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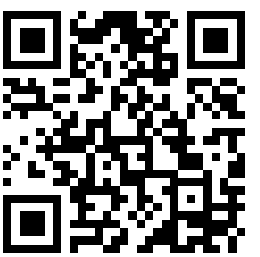
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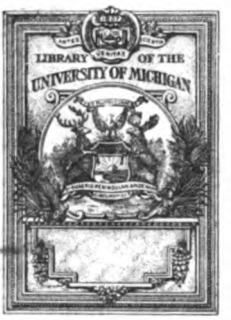
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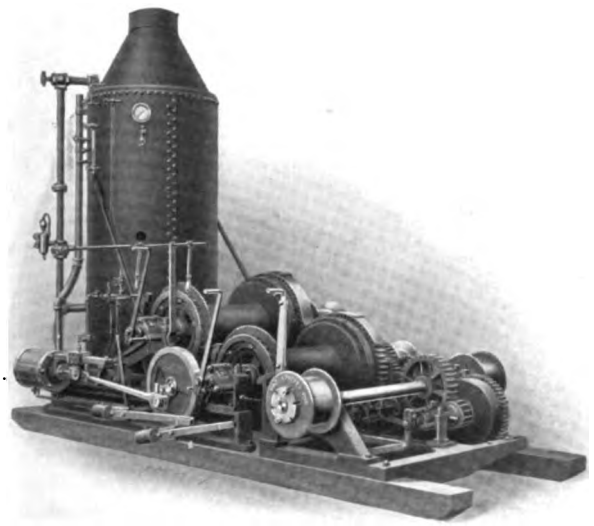
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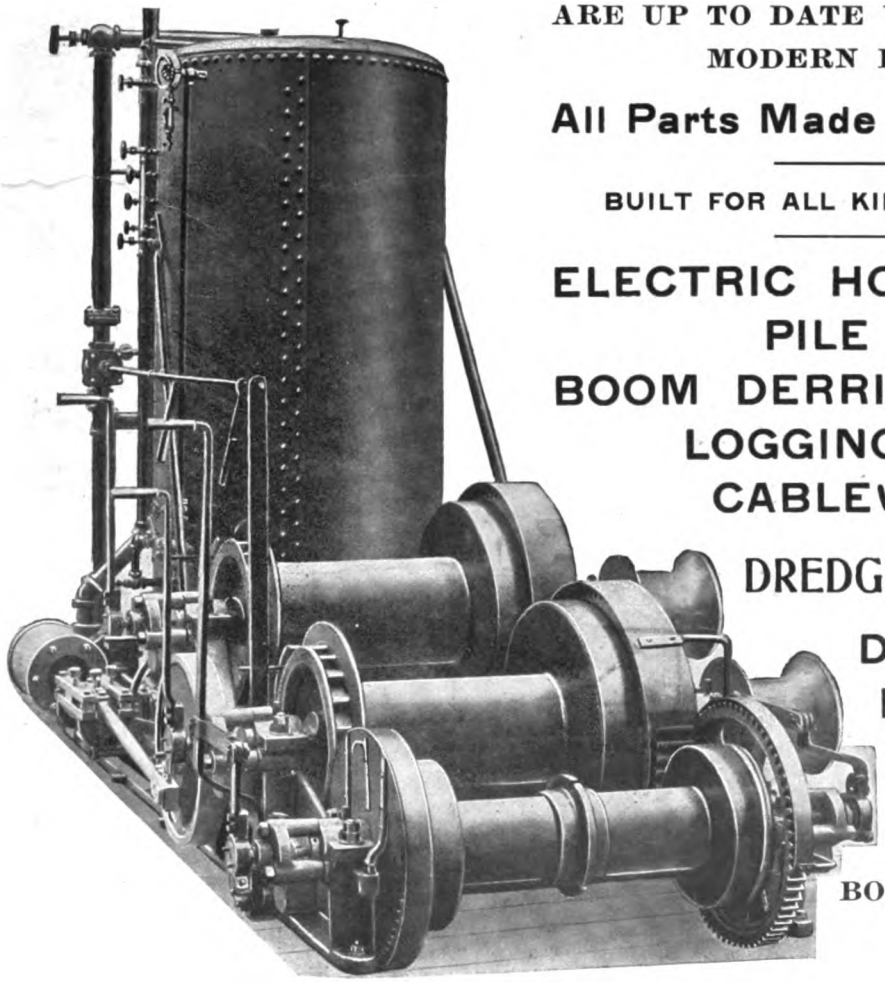
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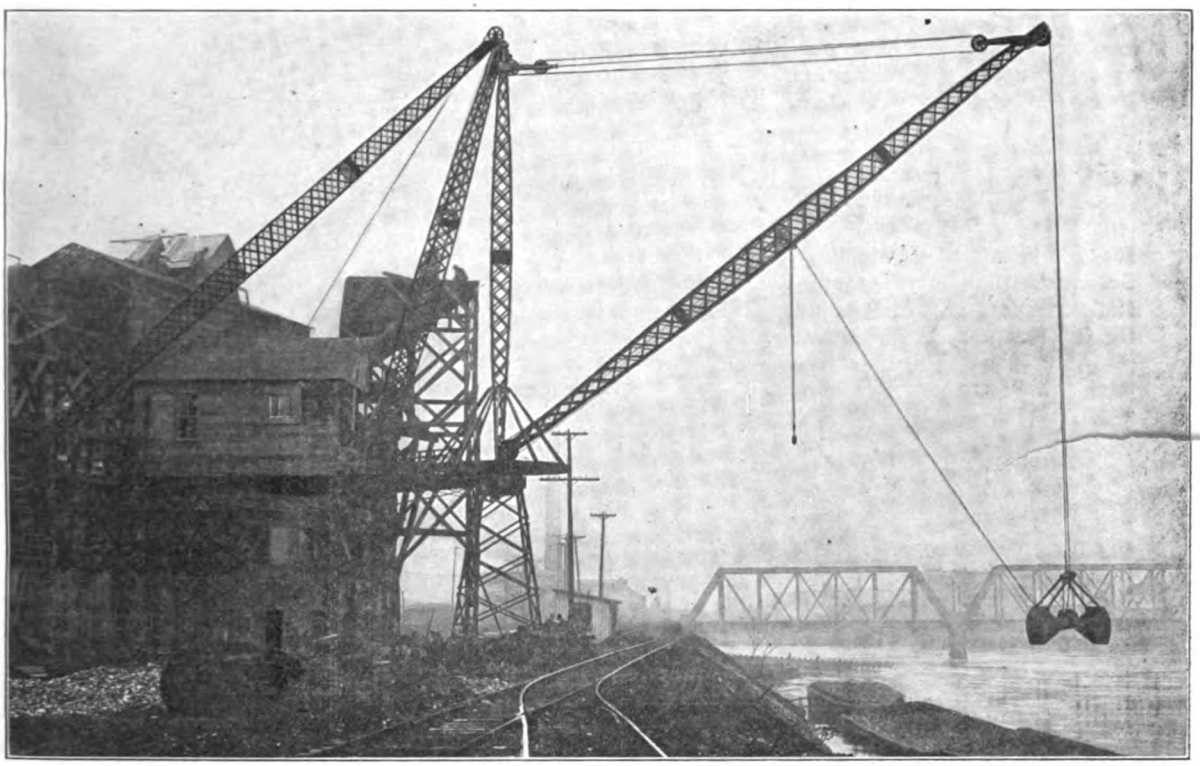
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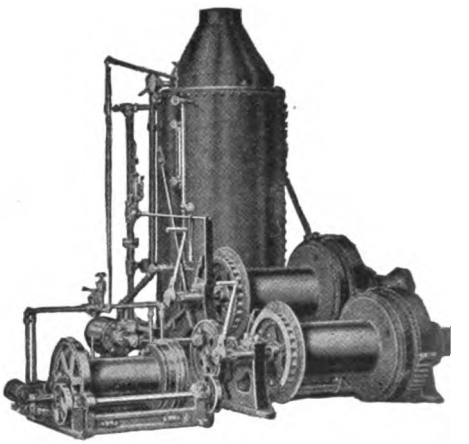
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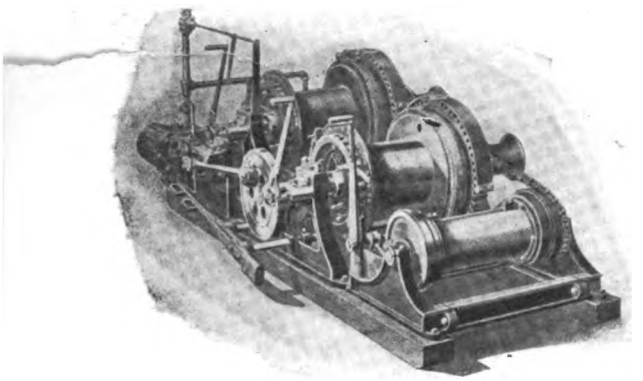
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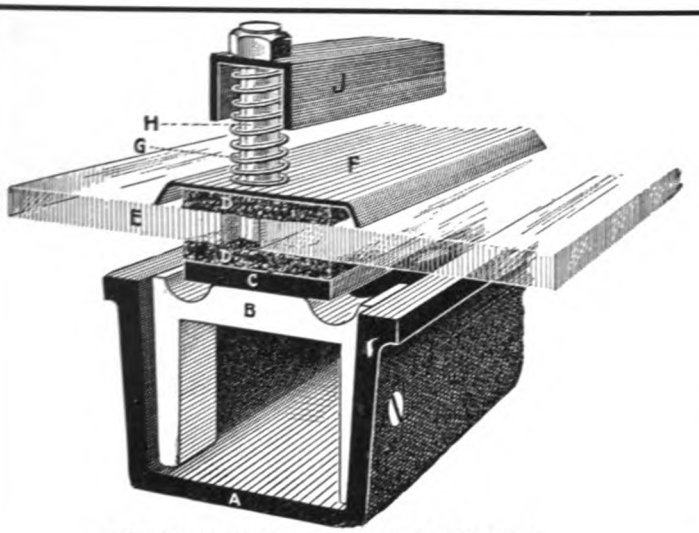
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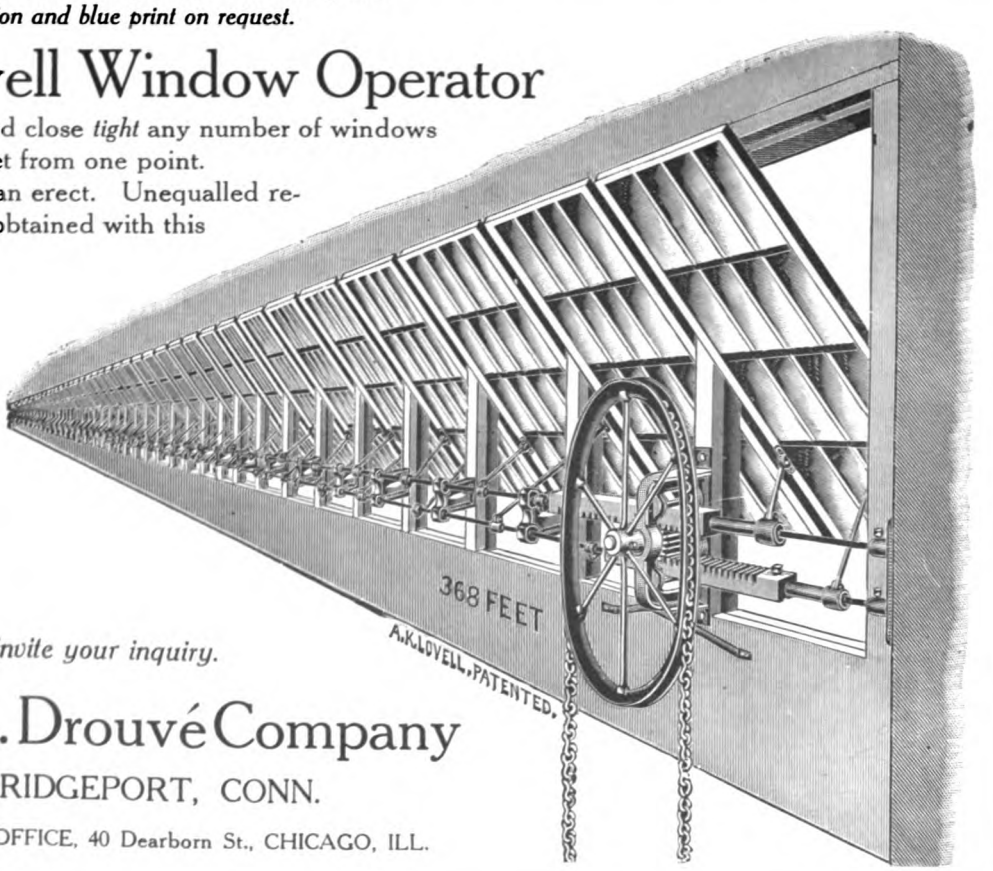
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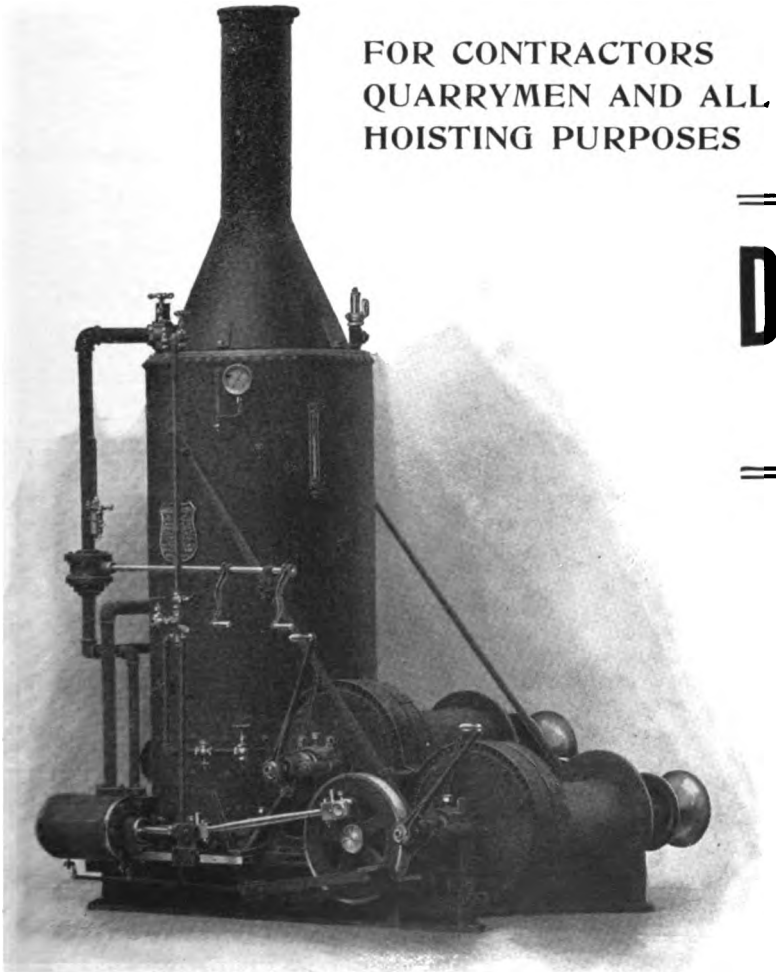
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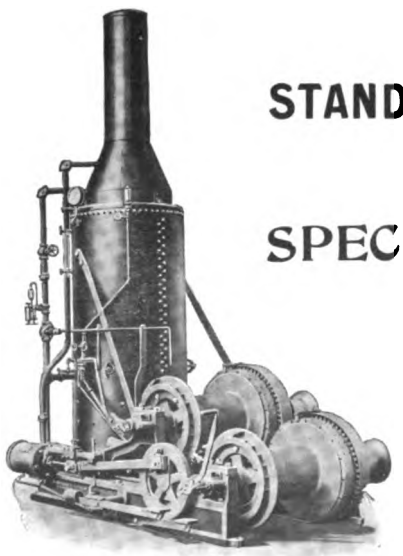
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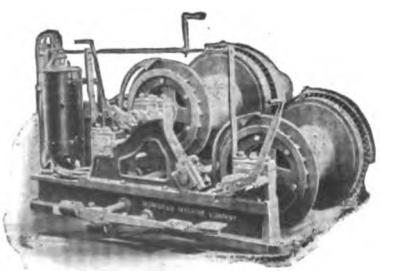
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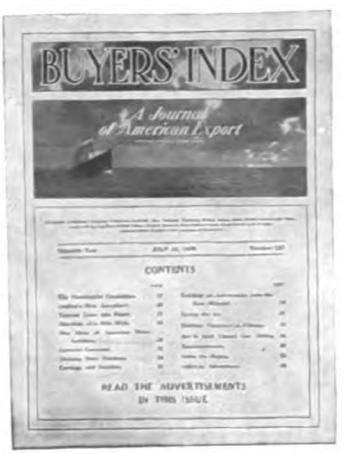
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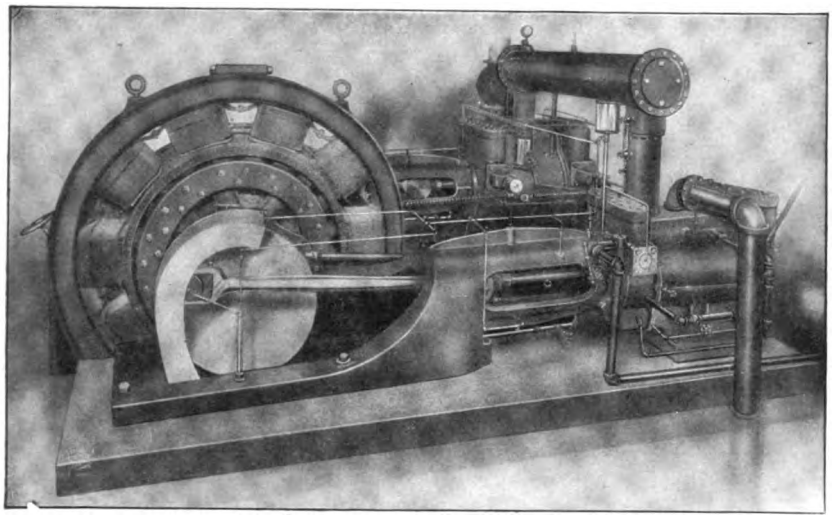
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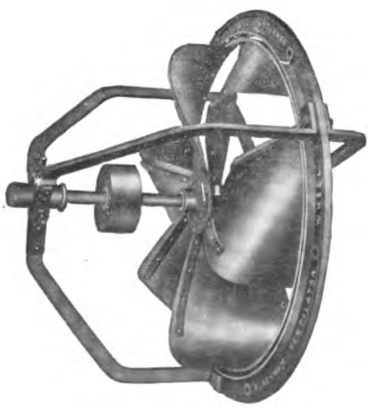
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ADVERTISERS' INDEX AND BRANCH OFFICES END OF BOOK

NOTE.—The numerous references which follow many of the headings are inserted for the purpose of guiding those who consult this book to the various branches of business connected with such headings and a little study of them will often result in finding names that at first glance appear to be omitted.

We earnestly hope that all new firms connected with the Manufacturing and Construction Industries will send us their business cards and thus aid us in maintaining the high standard of excellence to which this work has aspired.

Any business changes, additions or corrections for the next edition will be thankfully received and INSERTED FREE OF CHARGE.

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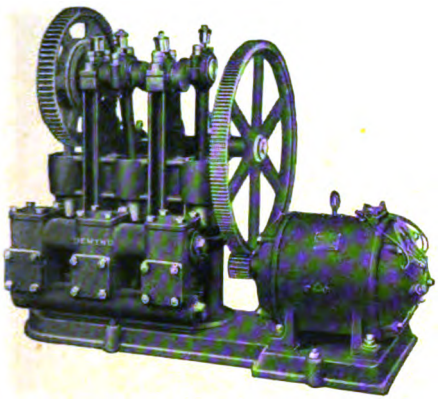


Fig. 55
Electric Driven Pump for Mine Work
Single Acting



Fig. 80
Deep Well Power
Working Head

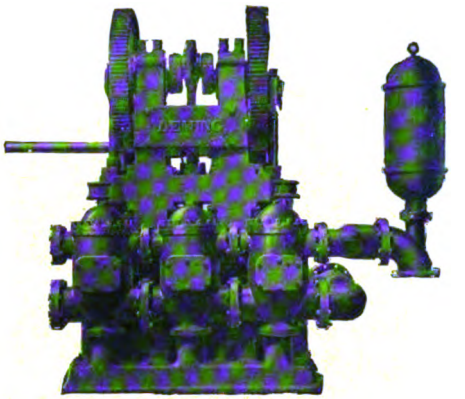


Fig. 51
General Water Supply
Double Acting

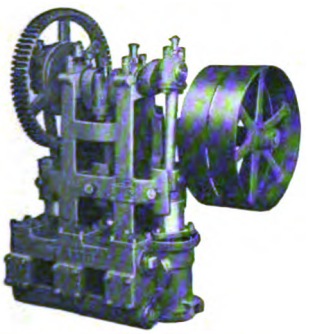


Fig. 50
Boiler Feeding
Single Acting

It has been demonstrated beyond doubt that Deming Triplex Power Pumps have no equal for their efficient and economical handling of any liquid that can be pumped.

Made for operation by any power, in mills, mines, factories, hotels, etc., they stand for all that is first-class in pumping equipment.

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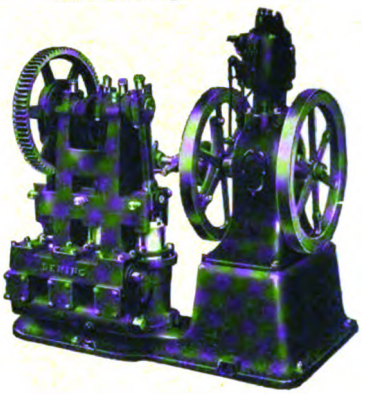


Fig. 59
For Railway Tank Service and
Small Water Works

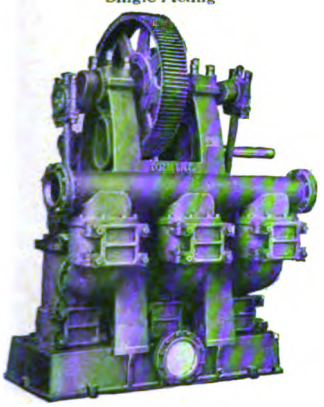


Fig. 53
Single Acting Stuff Pump
For Paper Mills



Fig. 47
For House Use. Noiseless — Automatic

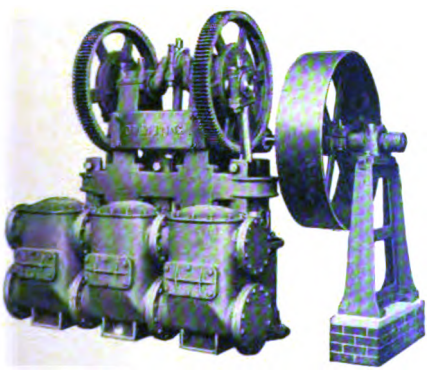


Fig. 40
For Irrigating, Brine Circulation and General Water
Supply. Double Acting Power Piston Pump

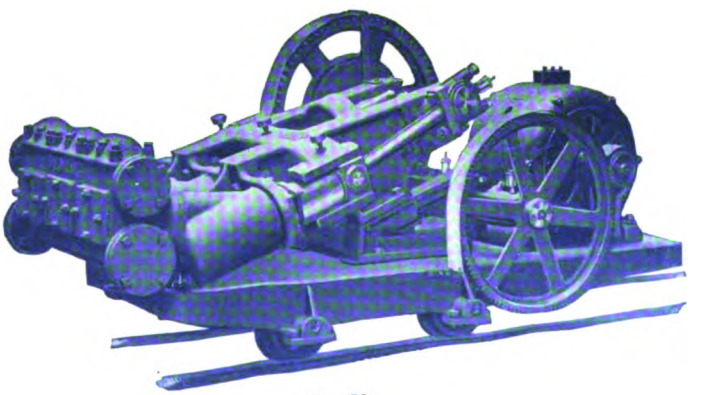


Fig. 70
Electric Driven Portable Mine Pump

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DO YOU KNOW

that we are consulted by thousands of Buyers annually, who request us to *"put them in touch"* with the manufacturers of the best products in all lines of trade and that we are frequently asked to recommend the ONE which we consider to be *the best* in a particular line ... ...

?

Hendricks' Commercial Register

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Acetate of Alumina

Merrimac Chemical Co., Boston, Mass.

Acetate of Amyl

Albany Chemical Co., Albany, N. Y.
Bush, W. J. & Co. (Inc.), 100 William, New York
Cooper, Chas. & Co., 194 Worth, New York
INTERNATIONAL SMOKELESS POWder & Chemical Co., 140 Cedar, New York
McKesson & Robbins, 91 Fulton, New York
Maas & Waldstein Co., 100 William, New York
Magnus, Mabee & Reynard (Inc.), 257 Pearl, New York
National Aniline & Chemical Co., 100 William, New York
Van Brunt, J. A. & Co., 80 William, New York

Acetate of Lead

General Chemical Co. (Sugar of Lead), 25 Broad, New York
Grasselli Chemical Co. (Brown & White), The Arcade, Cleveland, O.

Acetate of Lime

Antrim Chemical Co., Penobscot bldg, Detroit,
Boyne City Chemical Co., Boyne City, Mich.
Bradford Chemical Co., Bradford, Pa. Mich.
Cleveland-Cliffs Iron Co., Cleveland, O.
Cummer, Diggins & Co., Cadillac, Mich.
Desmond, F. C., Traverse City, Mich.
Forest Chemical Co., Sheffield, Pa.
Gray Chemical Co., Port Alleghany, Pa.
Gray, Wm. S. & Co., 76 William, New York
Keessler, R. & Son, Brandt, Pa.
Lake Superior Iron & Chemical Co., Detroit, Mich.
McKean Chemical Co., Williamsport, Pa.
Noble Electric Steel Co., 1380 Sutter, San Francisco, Cal.
Nusbaum Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Pioneer Iron Co., Negaunee, Mich.
Russell Chemical Co., Russell, Pa.
Smith, A. B. Chemical Co., Bradford, Pa.
Wyman Chemical Co., Port Alleghany, Pa.

Acetate of Soda

Grasselli Chemical Co. (Brown & White), The Arcade, Cleveland, O., & 63 Wall, New York

Acetone

Albany Chemical Co., Albany, N. Y.
Billings, Hartford & Co., 84 High, Boston, Mass.
Erkenbrach, Geo. A. Co., 115 Maiden la, New York
Harshaw, Fuller & Goodwin Co., Electric bldg, Cleveland, O.
Kessler & Co., Brandt, Pa.
Mallinckrodt Chemical Works (Also Acetone-Sulphite), St. Louis, Mo.
National Aniline & Chemical Co., 100 William, New York
Roessler & Hasslacher Chemical Co., 100 William, New York
Schoellkopf, Hartford & Hanna Co., Buffalo, N.Y.

Acetylene Generators

(See Gas Machines, Acetylene)

Acid (Acetic)

Baker & Adamson Chemical Co., Easton, Pa.
Billings, Clapp Co., Boston, Mass.
Bradford Chemical Co., Bradford, Pa.
Butterworth-Judson Co., Newark, N. J.
Cochrane Chemical Co., Boston, Mass.
Eastwood Chemical Co., Belleville, N. J.
Fuerst Bros. & Co., 2 Stone, New York
Fuller & Fuller, 220 Randolph, Chicago, Ill.
General Chemical Co., 25 Broad, New York
Gordon, W. J. M. Chemical Co., Cincinnati, O.
Grasselli Chemical Co., Cleveland, O.
Harrison Bros & Co. (Inc.), Phila., Pa.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Kalbfleisch, Franklin H. Co., 81 Burling sl, New York
Kelso & Co., 209 S Clinton, Chicago, Ill.
Larkin & Cheffer Chemical Co., 109 St. George, St. Louis, Mo.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merrimac Chemical Co., Boston, Mass.
Nusbaum Chemical Co., Bradford, Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 100 William, New York
Sholes, C. E. & Co., 164 Front, New York
Squibb, E. R. & Sons, 36 Dougherty, Brooklyn, N. Y.
Smith, A. B. Chemical Co., Bradford, Pa.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

Acid (Boracic)

Pacific Coast Borax Co. (Refined), Oakland, Cal.
Wiarda, Jno. C. & Co., Brooklyn, N. Y.

Acid (Carbolic)

Albany Chemical Co., Albany, N. Y.
Baker & Adamson Chemical Co., Easton, Pa.
Barret Mfg. Co., Phila., Pa.
Billings, Clapp & Co., Boston, Mass.
Bischoff, C. & Co., 451 Washington, New York
GROSCHE, BRUNO & CO., 13 Jones la, New York. (See adv. index, end of book)
Feurst Bros. & Co., New York
Lehn & Fink, New York
McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., University pl & 8th, New York
National Aniline & Chemical Co., 100 William, New York
Powers-Weightman-Rosengarten Co., 9th & Parriah, Phila., Pa.
Schieffelin, W. H. & Co., 170 William, New York
Schoellkopf, Hartford & Hanna Co., Abbott rd, Buffalo, N. Y.
White Tar Co., 5 Front, New York

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Acid Eggs (Cast Iron)

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa., & 149 B'way, New York
Caroline Iron Works, 723 S Caroline, Baltimore, Md
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Valk & Murdock Iron Works, Charleston, S. C.

Acid (Formic)

Merrimac Chemical Co., Boston, Mass.

Acid (Hydrofluoric)

Butterworth-Judson Co., Newark, N. J.
Dempwolf, E. A. & Sons (For Cleaning Castings), York, Pa.
Enequist, Erik, N 9th & Roebling, Brooklyn, N. Y.
Feuchtwanger, L. & Co., 54 Fulton, New York
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Mallinckrodt Chemical Works, St. Louis, Mo.
Rhodes, Jas. H. & Co., 117 Kinzie, Chicago, Ill.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda, John C. & Co., 137 Hooper, B'klyn, N.Y.

Acid (Lactic)

Avery Chemical Co., Boston, Mass.

Acid (Nitric & Muriatic)

Baker & Adamson Chemical Co., Easton, Pa.
Barrett Mfg. Co., Phila., Pa.
Billings-Clapp Co., Boston, Mass.
Butterworth-Judson Co., Newark, N. J.
Cochrane Chemical Co., Boston, Mass.
Contact Process Co., Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Arcade bldg., Cleveland, Ohio, & 63 Wall, New York
Harrison Bros. & Co. (Inc.), Phila., Pa.
Kalbfleisch, Franklin, H., B'way & 16th, New York
Lennig, Chas. & Co. (Inc.), 112 S Front, Phila, Pa.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merrimac Chemical Co., Boston, Mass.
National Acid Co., New Orleans, La.
Penna. Salt Mfg. Co., 115 Chestnut, Philadelphia, Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Philadelphia, Pa.
Rhodes, Jas. H. & Co., 117 Kinzie, Chicago, Ill.
Sholes, C. E. & Co., 164 Front, New York
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
United Zinc & Chemical Co., Kansas City, Mo. Works: Argentine & Iola, Kan.
Western Chemical Mfg. Co., Denver, Col.

Acid (Oxalic)

Bischoff, C. & Co. (German), 451 Washington, New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Tennant, C. Sons & Co., 76 William, New
Thomsen Chemical Co., Baltimore, Md. York

Acid (Phosphoric)

Thomsen Chemical Co., Baltimore, Md.

Acid (Stearic)

Celina Stearic Acid Co., Celina, O.
Emery Candle Co., Cincinnati, O.
Harkness & Cowing Co., Cincinnati, O
Manhattan Oil Co., 51 Front, New York
Proctor & Gamble Co., Cincinnati, O.
Work, M. Co., Cincinnati, O.
Will & Baumer Co., Syracuse, N. Y.

Acid (Sulphuric)

American Agl. Chemical Co., 2 Rector, New York
Baker & Adamson Chemical Co., Easton, Pa.
Billings-Clapp Co., Boston, Mass.
Bower, Henry Chemical Co., 29th & Gray's Ferry rd., Phila., Pa.
Butterworth-Judson Co., Newark, N. J.
Carolina Chemical Co., Richmond, Va.
Cochrane Chemical Co., 55 Kilby, Boston, Mass.
Contact Process Co., Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
Coweta Fertilizer Co., Newnan, Ga.
Duckworth Sulphur, Copper & Iron Co., Isabella, Tenn.
Eureka Fertilizer Co., Perryville, Md.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Harrison Bros. & Co. (Inc.), Phila., Pa.
Hegeler Bros., Danville, Ill.
Hubbard Fertilizer Co., Darby bldg, Baltimore, Md.
Illinois Zinc Co., Peru, Ill.
Jarecki Chemical Co., Sandusky, O.
Kalbfleisch, Franklin H., B'way & 16th, New York
Larkin & Scheffer Chemical Co., St. Louis, Mo.
Laureldale Chemical Works, Providence, R. I.
Lening, Chas. & Co. (Inc.), 112 S Front, Phila., Pa.
Mallinckrodt Chemical Works, St. Louis, Mo.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Merrimac Chemical Co., Boston, Mass.
Michigan Carbon Works, Detroit, Mich.
Mineral Point Zinc Co., 204 Dearborn, Chicago, Ill. Works: Mineral Point, Wis.
National Acid Co., New Orleans, La.
New Jersey Zinc Co., 55 Wall, New York
Penna. Salt Mfg. Co., 115 Chestnut, Phila., Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Philadelphia, Pa.
Rhodes, Jas. & Co., 117 Kinzie, Chicago, Ill.
Royster Guano Co., Norfolk, Va.
Sholes, C. E. & Co., 164 Front, New York
Standard Guano & Chemical Mfg. Co., New Orleans, La.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Virginia-Carolina Chemical Co., Richmond, Va.
United Zinc & Chemical Co., Kansas City, Mo. Works: Argentine & Iola, Kan.
Western Chemical Mfg. Co., Denver, Colo.
York Chemical Co., York, Pa.

Acid (Tannic)

Baker & Adamson Chemical Co., Easton, Pa.
Billings Clapp Co., 64 Federal, Boston, Mass.
Mallinckrodt Chemical Works, St. Louis, Mo.
Pfizer, Chas. & Co., 145 Front, New York
Powers-Weightman-Rosengarten Co., 9th & Parrish, Phila., Pa.

Acid Vessels

Bishop Gutta Percha Mfg. Co., 422 E 25th, New York
Elmer & Amend, 205 3d av, New York
Fields', Chas. J. Sons ("The Grout" for Chemical Engines), 633 Market, Philadelphia, Pa.
Goodyear Rubber Co., 787 B'way, New York
Gutta Percha Rubber Mfg. Co., 126 Duane, New York

Acids (Wood)

Bayless & Berkolew, Binghamton, N. Y.
Beardsley Bros. & Rhodes, Canton, Pa.
Brandt & Schlager, Brandt, Pa.
Corbett, M. J. & Co., Binghamton, N. Y.
Corbett & Stuart, Binghamton, N. Y.
Finch-Ross Chemical Co., Binghamton, N. Y.
Hammond, S. & Co., Binghamton, N. Y.
Jefferson Chemical Co., Susquehanna, Pa.
Penn Chemical Co., Susquehanna, Pa.
Susquehanna Chemical Co., Susquehanna, Pa.
Wayne Chemical Co., Susquehanna, Pa.
Wright Chemical Co., Susquehanna, Pa.

Adapters (Lamp)

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Bryant Electric Co., Bridgeport, Conn.
Dale Co. ("Tungsten"), 9th ave. & 13th, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hubbell, Harvey (Inc.), Bridgeport, Conn.
Marshall Electric Co., Boston, Mass.
MORSE, FRANK W. ("Webster"), 516 Atlantic ave., Boston Mass. (See adv. index, end of book)
Westinghouse Lamp Co., 510 West 23rd, New York

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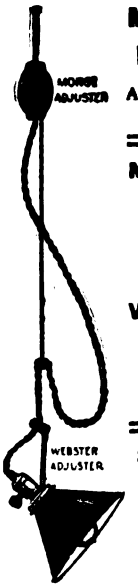
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American Hard Rubber Co., 9 Mercer, New York
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DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)
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Estes, E. B. & Sons, 74 Warren, New York
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MORSE, FRANK W. ("Webster" Automatic, 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
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Smith, Theodore, 151 Throop, Chicago, Ill.
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(See Window Blind Adjusters)

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(See Window Shade Adjusters)

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Buechner Mfg. Co., Battle Creek, Mich.
Canton Cutlery Co. (High Grade Photo Pocket Knives), Canton, O.
Carroll, J. Bruce (Celluloid Pocket Mirrors), 90 Illinois, Chicago, Ill.
Coshocton Novelty Co., Coshocton, O.
Davis Novelty Mfg. Co., Battle Creek, Mich.
Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
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Meek Co., Coshocton, O.
National Advertising Co. (Yard Sticks & Novelties), Seneca Falls, N. Y.
New York Aluminum Co., 377 B'way, New York
NIAGARA FALLS METAL STAMPING Works (Brass, Copper, etc.), Niagara Falls, N. Y. (See adv. index, end of book)
Novelty Advertising Co., Coshocton, O.
Novelty Cutlery Co. (High Grade Photo Pocket Knives, Transparent Handle), Canton, O.
Osborne Co. (Calendars & Novelties), Washington & Hubert, New York
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Readyrule Mfg. Co. (Rules, etc.) Battle Creek, Mich.
Silver Springs Mfg. Co. (Rules, Yard Sticks, Aprons, Signs, etc.), Silver Springs, N. Y.
Tobey, Warren P. (Calendars, Fans, Yard Sticks & Specialties), New Bedford, Mass.
Waring, Vechten (Booklets, Catalogues, etc.), 92 John, New York
Westcott-Jewell Co. (Rulers, Yard Sticks, etc.), Seneca Falls, N. Y.
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Whitehead & Hoag Co., 253 B'way, New York
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Bradley's, G. W. Sons (Inc.), Westport, Conn.
Collins Co., Collinsville, Conn.
Evansville Tool Works (Carpenters', Railroad, Ship Carpenters', etc.), Evansville, Ind.
Findlay Axe & Tool Co. (Carpenters', Railroad, etc.), Findlay, O.
Mack & Co. ("D. R. Barton"), Railroad, Carpenters, etc.), Rochester, N. Y.
Norton Tool Co., West Park, O.
Peck Edge Tool Co., Cohoes, N. Y.
Plumb, F. R., P. R. R. c Tucker, Phila., Pa.
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(See Wire Rope Tramways)

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International Pulp Co., 41 Park row, New York
Williams, C. K. & Co., Easton, Pa.

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Blaisdell Co. ("Blaisdell" Mining or Slime Treatment), Los Angeles, Cal.
Carroll-Porter Boiler & Tank Co. (Mining), Empire bldg, Pittsburg, Pa.
Crossley Mfg. Co. (Clay), Trenton, N. J.
Day, J. H. & Co. (Liquid), 1144 Harrison av, Cincinnati, O.
Dopp, W. H. Co. (Soap Makers), Buffalo, N. Y.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See av. index, end of book)
Perrin, M. B. & Co. (Lard), Loomis & 46th, U Stock Yard, Chicago, Ill.
Pollock, M. B. Co. (Brewers), Youngstown, O.
Power & Mining Machinery Co., Cudahy, Wis.
Rice, Barton & Fales Machine & Iron Co. (For Paper Mills), Worcester, Mass.
Riter-Conley Mfg. Co. (Mining), 55 Water, Pittsburg, Pa.
Schulte & Koerting Co., 1251 N 12th, Phila., Pa.
Triumph Ice Machine Co., 615 Baymiller, Cincinnati, O.
WETHERILL BROS. MACHINE CO. (For Hydraulic Dredges), Chester, Pa. (See adv. index, end of book)

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GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hammond Iron Works, Warren, Pa.
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Struthers-Wells Co., Warren, Pa.

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For Sub-Classification of this Trade
See also Cultivators.
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Cutters, Feed, etc.
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Engines, Traction.
Harrows, Various Kinds.
Harvesters, Various Kinds.
Hullers, Various Kinds.
Mills, Various Kinds.
Mowers & Reapers.
Planters, Various Kinds.
Plows, Various Kinds.
Presses, Hay & Baling.
Pullers, Stump.
Pumps, Various Kinds.
Rakes, Various Kinds.
Rollers, Land & Field.
Saw Mills, Portable.
Seeders & Sowers.
Self Feeders & Band Cutters for Threshers
Shellers, Corn.
Sickle & Mower Knife Grinders.
Slings, Hay.
Stackers, Various Kinds.
Tedders, Hay.
Threshers.
Tools, Haying.
Twine, Binder.
Weeders, Various Kinds.
Weighers, Loaders & Baggers, Grain.
Windmills.

For all other Implements, Machines, Tools, etc., used for agricultural purposes, see Index of Contents.

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BENICIA—Benicia Iron Works (Plows, Harrows, Cultivators, Rakes, Rickers, Loaders & Stackers, Seeders & Sowers, etc.)
FRESNO — Fresno Agricultural Works (Inc.) (Plows, Road Scrapers, etc.)
LOS ANGELES—Killefer-Griffith Mfg. Co. (Cultivators)
OAKLAND—Brand, R. & Co., 521 2d
SAN FRANCISCO—Jackson, Byron Machine Works (Horse Hay Forks, Rakes, Stackers, Carriers, Harrows, Threshing Derricks, etc.)
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SAN LEANDRO—Best Mfg. Co. (Harvesters, Binders, Traction Engines, etc.)
STOCKTON—Holt Mfg. Co. (Harvesters, Binders, Traction Engines)
Houser & Haines Mfg. Co. (Grain Drills, Combined Harvesters, Gang & Disk Plows, Spike Tooth Harrows, etc.)
Shaw, H. O. & Co. (Harrows & Gang Plows)

COLORADO.

DENVER—Plattner Implement Co. (Hay Stackers, Rakes, Harrows)
GREELEY—Brown, Peter & Son (Potato Diggers & Sorters)
PUEBLO—Mead Hay Press Co. (Harrows, Cultivators)

CONNECTICUT.

HIGGANUM—Cutaway Harrow Co. ("Clark's" Harrows, Plows, Root Cutters, etc.)
Scoville, D. & H. (Planters' Hoes)
NEW HARTFORD—Rogers Rake Co. (Hand Hay Rakes)
NEW LONDON—Brown Cotton Gin Co. (Cotton Seed Linters)
SOUTHPORT—Jelliff, C. O. Mfg. Corp. (Harrows & Onion Drills, Hoes, Pullers, etc.)

GEORGIA.

ATHENS—Umbach, F. G. (Harrows, etc.)
ATLANTA—Atlanta Agricultural Works (Plows, Harrows, Cultivators, etc.)
Georgia Plow Works (Plows, Harrows, Cotton Scrapers, etc.)
AUGUSTA—Wirts & Hernlen (Hay Presses, Harrows, etc.)
COLUMBUS—Southern Plow Co. (Plows, Cultivators, Harrows, Cotton Planters, etc.)
DALTON — Farrar Lumber Co. (Pea Hullers, Hay Pressers, etc.)
Nancy Hanks Hay Press Mfg. Co. (Hay Presses, Pea Threshers, etc.)
Sanders Improved Hay Press Mfg. Co. (Hay Presses, etc.)
Sanders Mfg. Co. (Pea & Bean Hullers)
HELENA—Tillman Mfg. Co.
MACON—Gautt Mfg. Co. (Cotton Planters, Fertilizers & Grain Drills, etc.)
Williams Buggy Co. (Hay Presses)
NEWNAN—Cole, R. D. Mfg. Co. (Corn Mills)
OCILLA—Sikes Mfg. Co. (Hay Presses)
ROME—Towers & Sullivan Mfg. Co. (Plows, Harrows, Cultivators)
WINDER—Woodruff Hardware & Mfg. Co. (Hay Presses, Pea Hullers, Threshers, etc.)

ILLINOIS.

ALBION—Painter & Frankland (Plows)
ALTON—Hapgood Plow Co. (Corn Planting Drills, Plows, Listers, etc.)
ARLINGTON HEIGHTS—Kolling Husker & Shredder Works (Corn Huskers, & Shredders)
AURORA—Phillips, T. L. (Feed Mills, etc.)
Western Wheeled Scraper Co. (Plows, Road Machinery, etc.)
BATAVIA—Appleton Mfg. Co. (Feed Mills, Stalk Cutters, Corn Shellers, Feed Cutters, Fanning Mills, etc.)
Challenge Co. (Feed Mills, Corn Shellers, Feed Cutters)
Sperry, D. R. & Co. (Farm Boilers, Feed-Cookers, etc.)
U. S. Wind Engine & Pump Co. (Feed Mills, Corn Shellers)
BELLEVILLE — Gundlach, Philip M. (Grain Drills, etc.)
Harrison Machine Works (Threshers, Straw Stackers)
BRADLEY—Bradley, David Mfg. Co. (Plows, Harrows, Cultivators, Rakes, Planters)
BUSHNELL—Norcross, C. S. & Sons (Garden Cultivators, Adjustable Hand)
CANTON—Parlin & Orendorff Co. (Plows, Harrows, Cultivators, Planters, Listers)
CARPENTERSVILLE — Star Mfg. Co. (Plows, Harrows, Feed Cutters)
CARTHAGE—Leader Mfg. Co. (Corn Graders & Seed Separators)
CHICAGO—Aermoter Co. (Feed Mills), Campbell av, & 12th
Creamery Package Mfg. Co. (Dairy & Creamery Machinery, etc.), 182 E Kinzie
International Harvester Co. of America (Cultivators, Harrows, Mowers & Reapers, Tedders, Binders, Rakes), 7 Monroe
KAESTNER & CO. (Inc.) (Feed Mills Grinding), 241 S Jefferson. (See adv. index, end of book)
Masters Planter Co. (Hand Transplanters), 174 S Water
Pratt, W. E. Mfg. Co. (Dehorners, Seed Sowers, etc.), 91 Lake
Smith Mfg. Co. (Manure Spreaders), 158 E Harrison
Whitaker Mfg. Co. (Cultivators, Hay Carriers, etc.), 30 W Monroe
WHITMAN & BARNES MFG. CO. (Garden Cultivators, etc.) (See adv. index, end of book)
DECATUR—Beall Improvements Co. (Seed Corn Sorters)
Chambers, Bering, Quinlan Co. (Hay Loaders, Rakes, Planters, Check Rowers)
Hartley, C. J. Co. (Grain Weighers, etc.)
Union Iron Works (Power Corn Shellers)
Williams Mfg. Co. (Planters, Grain Weighers, etc.)
DE KALB—Haish, Jacob Co. (Harrows, Corn Shellers)
DIXON—Grand Detour Plow Co. (Plows, Harrows, Cultivators, Planters, Listers)
DWIGHT—Spencer, J. A. (Hay Presses)
EDWARDSVILLE—Springer Bros. Mfg. Co. (Potato Planters)
ELGIN—Elgin Wind Power & Pump Co. (Feed Mills)
FREEPORT—Schofield & Co. (Potato Planters & Diggers)
Stover Mfg. Co. (Feed Mills, Corn Shellers)
GALESBURG—Colton, G. D. & Co. (Broom Corn Machinery, Flax Cleaners, etc.)
Galesburg Coulter-Disc Co. (Disc Harrows, Disc Harrow Blades, etc.)
GALVA—Hayes Pump & Planter Co. (Harrows, Cultivators, Planters, Listers)
Mulford Heater Co. (Corn Planters)
Wistrand Mfg. Co. ("Blue Star" Corn Planters)
GRAFTON—Rippley Hardware Co. (Feed Mills & Cookers)
HARVARD—Hunt, Helm, Ferris & Co. (Hay Carriers, etc.)
HAVANA—Crescent Forge & Shovel Co. (Garden Plows & Cultivators)
HOOPESTON—Rusk Evener Co. (Equalizers, etc.)
JOLIET—Humphrey & Sons (Bone & Clover Cutters, Hand Seed Sowers)
Joliet Mfg. Co. (Corn Shellers)
Taylor Husker & Shredder Co. (Corn Huskers & Corn Picker & Husker)
KANKAKEE—Kemp's Mfg. Co. (Hay Presses)
KEWANEE—Boss Mfg. Co. (Hand Corn Huskers)
Peters Pump Co. (Planters & Pumps)
LAGRANGE—Naylor, J. R. Mfg. Co. (Harrows)
LE ROY—Morris, A. H. (Disk Corn Planter Markers)
Myers, C. H. & Co. (Disk Corn Planter Markers)
LINCOLN—Sheer, Eugene (Land Rollers, Stalk Rakes, etc.)
LITCHFIELD—Woodcock, J. C., Feed Mill Co. (Feed Mills)
MAROA—Maroa Mfg. Co. (Cultivators, etc.)
MARSEILLES—Marseilles Harrow Mfg. Co. (Harrows)
Marseilles Mfg. Co. (Feed Mills, Hay Loaders, Corn Shellers, Fanning Mills, Feed Cutters)
MASCOUTAH—Trappe, C. H. (Fanning Mills)
MEADOWS—Meadows Mfg. Co. (Grain Dumps, etc.)

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MENDOTA—Tower, J. D. & Sons Co. (Cultivators, Pulverisers, Clod Crushers, etc.)
METAMORA — Camp Bros. & Co. (Grain Dumps)
MINIER—Schroeder Bros. (Grain Dumps, etc.)
MOLINE—Deere & Co. (Plows, Harrows, Cultivators, Listers)
Deere & Mansur Co. (Planters, Cultivators, Hay Loaders, Rakes, Listers, Corn Shellers, Seeders)
Moline Plow Co. (Plows, Harrows, Cultivators, Planters, Listers)
Sechler, D. M. Carriage Co. (Cultivators, Harrows, Corn Planters, etc.)
MONMOUTH—Milne Mfg. Co. (Stump Pullers)
Monmouth Plow Co. Plows)
Pattee Plow Co. (Cultivators, Plows, etc.)
OTTAWA—Jordan, R. C. (Hay Carriers)
King & Hamilton Co. (Cultivators, Corn Shellers)
Porter, J. E. Co. (Planters, Rakes, Hay Carriers, Hay Presses, Stackers, etc.)
PAXTON—Kramer, E. M. Co. (Harrows, etc.)
PEKIN—Duisdieker Foundry & Mfg. Co. (Feed Steamers, Clod Crushers & Pulverizers)
PEORIA—Acme Harvesting Machine Co. (Harvesters, Binders, etc.)
Avery Co. (Cultivators, Threshers, Planters)
Colean Mfg. Co. (Threshers)
Engel, J. A. & Co. (End Gate Seeders)
Hart Grain Weigher Co. (Grain Weighers)
Herschell, E. Mfg. Co. (Sickles, etc.)
Illinois Implement Co. (Combination Harrow Cart & Hand Cart)
Kingman Plow Co. (Plows, Harrows, Cultivators, Planters, Listers)
Peoria Drill & Seeder Co. (Grain Drills, Seeders, etc.)
Steel Weigher Co. (Grain Weighers, etc.)
PERU—Peru Plow & Wheel Co. (Plows, Harrows, Cultivators, Planters, Listers)
PINCKEYVILLE—Eaton Plow Works (V. A. Stookey & Son, Prop's) (Plows, Harrows)
PLANO—Independent Harvester Co. (Harvesters, Manure Spreaders, etc.)
Sears, Albert H. (Harrows, Cultivators, etc.)
PONTIAC—Spartan Mfg. Co. vators, etc.)
QUINCY — Collins Plow Co. (Plows, Harrows, Cultivators, Hay Presses, etc.)
Electric Wheel Co. (Feed Cookers & Metal Wheels)
Empire Mfg. Co. (Feed Cookers, Metal Wheels, etc.)
Ertel, Geo. Co. (Hay Presses, etc.)
Quincy Corn Planter Co. (Corn Planters)
ROCKFORD—Emerson Mfg. Co. (Mowers, Binders, Plows, Harvesters, Cultivators, Rakes, Planters, Listers)
Rockford Mfg. Co. (Plows, Harrows, Cultivators)
Rockford Well Drill Co. (Cultivators, Seeders)
ROCK ISLAND—Rock Island Plow Co. (Plows, Harrows, Cultivators, Hay Loaders, Planters, Listers, Seeders & Sowers)
SANDWICH—Sandwich Mfg. Co. (Feed Mills, Hay Loaders, Corn Shellers, Hay Presses)
SHELBYVILLE—Sturgis, W. B. & Son (Plows)
SPARTA—Sparta Plow Works (Plows, Harrows, Cultivators)
Spraul, Matt. (Corn Shredders),
SPRINGFIELD—Fetzer & Co. (Corn & Grain Drills, Harrows, Transplanters, etc.)
Heinecke & Co. (Combination Wind & Saddle Stackers)
Racine-Sattley Co. (Plows, Cultivators, Drills, Harrows, etc.)
STERLING—Harrison Mfg. Co. (Hand Corn Planters)
Sterling Mfg. Co. (Harrows, Feed Mills, Hay Loaders, Rakes, Tedders, Planters, Seeders & Sowers)
TUSCOLA—Stevenson Mfg. Co. (Garden Plows, etc.)

INDIANA.

CAMBRIDGE CITY—Champe, Frank N. (Hand Corn Planters)
National Drill Co. (Cultivators, Grain Drills, etc.)
COLUMBUS—Caldwell Mfg. Co. (Feed Grinders, Corn Shellers, Manure Spreaders, etc.)
Reeves & Co. (Threshers, Grain Weighers, Clover Hullers)
EAST CHICAGO — Famous Mfg. Co. (Sweep Rakes, Stackers, Hay Presses, etc.)
ELKHART—General Mfg. Co. (Feed Grinders, etc.)
EVANSVILLE—Blount Plow Works (Plows, etc.)
Hartig-Becker Plow Co. (Plows, Cultivators)
Heilman Machine Works (Threshers & Engines)
Vulcan Plow Co. (Plows, etc.)
FERDINAND—Kitten, F. Foundry & Machine Works (Threshers)
FORT WAYNE—Indiana Road Machine Co. (Plows & Road Making Machinery)
FRANKFORT—Hoke Mfg. Co. (Cultivators & Harrows)
GOSHEN—Goshen Mfg. Co. (Hay Slings)
HAMMOND—Champion Potato Machinery Co. Potato Planters, Diggers, etc.; also Peanut Planters, etc.)
INDIANAPOLIS—American Buncher Mfg. Co. (Bunchers for Clover, Timothy, Oats, Peas, etc.)
Atkins, E. C. & Co. (Corn, Beet & Cane Knives)
Indiana Mfg. Co. (Straw Stackers)
Nordyke & Marmon Co. (Feed, Corn & Cob Mills, Fanning Mills, Corn Shellers, etc.)
Prairie Mfg. Co. (Sowers, Cultivators & Garden Drills)
Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
KENDALLVILLE — Flint & Walling Mfg. Co. (Feed Mills, Wind Mills, etc.)
LA PORTE—Rumley, M. Co. (Threshers, Stackers, Traction Engines, Hay Presses, Clover Hullers)
LIBERTY—Rude Bros. Mfg. Co. (Cultivators, Grain & Corn Drills, Rakes, etc.)
LOGANSPORT—King Drill Co. (Grain Drills)
MARION—American Drill Co. (Grain Drills)
MISHAWAKA — Mishawaka Plow Co. (Plows, etc.)
Perkins Wind Mill Co. (Feed Mills, Cutters, Corn Shellers)
MOUNT VERNON — Keck-Gonnermann Co. (Threshers, etc.)
NEW CASTLE—Safety Shredder Co. (Corn Husker & Fodder Shredder Combined)
NORTH MANCHESTER—Little Giant Seeder Co. (Hand Seed Sowers)
PERU—Spring Grain Drill Mfg. Co. (Grain Drills, etc.)
RICHMOND—American Seeding Machine Co. (See Springfield, O.)
Eureka Fence Mfg. Co. (Hand Corn Planters)
Gaar, Scott & Co. (Threshers, Stackers, Grain Weighers, Clover Hullers, Traction Engines)
Hoosier Drill Co. (Grain Drills, etc.)
Robinson & Co. (Threshers, Stackers, Grain Weighers)
Wayne Works (Grain Drills, Planters, Seeders & Sowers)
RISING SUN—Clore's, Wm. Sons (Plows, Cultivators)
SOUTH BEND—Birdsell Mfg. Co. (Straw Stackers, Clover Hullers, etc.)
Bowsher, N. C. Co. (Feed Mills, Barley Crushers)
Oliver Chilled Plow Works (Plows)
South Bend Chilled Plow Co. (Plows, Harrows, Cultivators)
URBANA — Cyclone Seeder Co. ("Cyclone," "Chicago" & "Champion, Jr.," Seed Sowers)
VINCENNES—Hartman Mfg. Co. (Cultivators, etc.)

IOWA.

ATLANTIC—Ulbrick Seed Corn Tester Co. (Seed Corn Testers)
CEDAR FALLS—Monarch Self-Feeder Co. (Feeders, Stackers, etc.)
CEDAR RAPIDS—Myers, F. E. & Bro.
CENTERVILLE—Hercules Mfg. Co. (Feed Mills & Stump Pullers)
CHARLES CITY—Daley, M. H. (Disc Harrows)
COUNCIL BLUFFS—Children's, E. Sons Mfg. Co. (Cultivators, Grain Drills, Hay Stackers, Hay Rakes, etc.)
Hay Tool Mfg. Co. (Hay Stackers, etc.)
Walker Mfg. Co. (Hay Rakes, Stackers, etc.)
CRESCO—Caward, R. S. (Plows & Grubbing Machinery)
Swenson Grubber Co. (Stump Pullers)
DAVENFORT—Voss Bros. Mfg. Co. (Corn Cutters)
DES MOINES—Gee Whizz Mfg. Co. (Fodder Spieth, Gottlieb F. (Plows) Forks)
Wood Bros. Steel Self Feeder Co. (Cultivators, etc.)
DUBUQUE—Union Transfer Co. (Pulverizers)
FAIRFIELD — Louden Machinery Co. (Hay Forks & Carriers, etc.)
FORT MADISON—Fort Madison Plow Co. (Plows, Harrows, Cultivators, Planters)
Iowa Farming Tool Co. (Haying Tools)
IOWA CITY—Kelly, O S Western Mfg. Co. Threshers, Feed Mills, Manure Spreaders, etc.)
KNOWLTON—Ideal Farm Implement Co. (Corn Cutters & Shockers, etc.)
LONE TREE—Zimmerman Steel Co. (Stump Pullers, Pitless Wagon Scales, etc.)
NASHUA—Bloom Mfg. Co. (Manure Spreaders, Harrows, etc.)
NEWTON—Parsons Band Cutter & Self-Feeder Co. ("Buffalo" Hay Presses, Corn Huskers, "Parsons & Ruth" Band Cutters & Self-Feeders)
Parsons Hawkeye Mfg. Co. ("Hawkeye" Grain Graders & Cleaners, Self-Feeders, Manure Spreaders, Hog Waterers, etc.)
OTTUMWA—Dain Mfg. Co. (Feed Mills, Hay Loaders, Haying Tools, Rake, Hay Presses)
La Crosse Hay Tool Co. (Hay Loaders, Rakes & Stackers)
PELLA—Pella Stacker Co. (Straw Stackers, Band Cutters & Self Feeders)
PRAIRIE CITY—Dowden Mfg. Co. (Ltd.) (Harrows, Potato Diggers, etc.)
SHENANDOAH—Swanson, T. Mfg. Co. (Cultivators, Haying Tools, etc.)
SIOUX CITY—Morley Twine & Machinery Co. (Band Cutters & Self Feeders, & Feed Grinding Mills, etc.)
SPENCER—Maurer, F. X. Co. (Hay Presses)
WATERLOO—Bovee Grinder & Furnace Works (Feed Mills & Cookers)
Cascaden Mfg. Co. (Feed Mills & Cookers)
Corn King Feed Mill Co. (Feed Grinding Galloway, Wm. Co. (Harrows) Mills)
Litchfield Mfg. Co. (Manure Spreaders, Hay Rakes, Farm Forges, Hay Stackers, etc.)
Swift Mfg. Co. (Feed Mills & Cookers)
Waterloo Gasoline Engine Co. (Feed Mills)
WAUKON—Johnson, John S. (Lever Harrows)
Simonsen & Peterson (Plows)
WEBSTER CITY—Closz & Howard Mfg. Co. (Grain Separators, etc.)
WINFIELD—Hall Grain Grader Co. (Combination Corn Sorter, Grain Grader & Grass Seed Cleaner)

KANSAS.

OLAY CENTER—Clay Center Wind Mill & Foundry Co. (Sub-Soil Packers, Pulverisers & Rollers)
COFFEYVILLE—Coffeyville Implement & Mfg. Co. (Plows, etc.)
EDWARDSVILLE—Pearson Mfg. Co. (Potato Separators, etc.)
KANSAS CITY—Strait, H. N. Mfg. Co. (Hay Presses, Scales, etc.)
Western Steel & Wire Co. (Hay Presses)
LEAVENWORTH—Great Western Mfg. Co. (Grain & Rice Cleaners)
MANHATTAN—Blue Valley Mfg. Co. (Feed Mills)
NEWTON—Prairie Queen Mfg. Co. (Threshers)
SALINA—New Process Mfg. Co. (Corn Cultivators & Corn Harvesters)
Wyatt, F. Mfg. Co. (Hay Stackers)
STAFFORD — Milton Garvin Steam Plow Co. (Plows, etc.)
TOPEKA—Auto-Fedan Hay Press Co. (Hay Currie Windmill Co. (Feed Mills) Presses)
Topeka Foundry (Sub-Surface Soil Packers)

KENTUCKY.

CARLISLE—King, R. O. Hardware Co. (Blue Grass Seed Strippers)
LOUISVILLE — Avery, B. F. & Sons (Inc.) (Plows, Harrows, Cultivators, Rakes, Planters, etd.)
Brinly-Hardy Co. (Inc.) (Plows, Hand Corn Shellers, Cotton Scrapers & Sweeps, Harrows, etc.)
Kentucky Drill Co. (Grain Drills, Corn Shellers, etc.)
MAYSVILLE—Hall, Jas. H. Plow Co. (Plows, Cultivators)
Maysville Foundry, Machine & Marine Co. (Plows)

LOUISIANA.

AMITE—Gullett Gin Co. (Cotton Gins, Feeders & Condensers, etc.)
NEW ORLEANS—Boland Machine & Mfg. Co. (Rice Milling Machines & Rice Cleaners)

MAINE.

NORTH BERWICK—Hussey Plow Co. (Cultivators, Plows, etc.)
Varney, J. B. Plow Co. (Plows)
PORTLAND—Frye, J. J. (Plows, Cultivators, Harrows)
SKOWHEGAN—Nolin Mfg. Co. (Scythes, etc.)

MASSACHUSETTS.

BARRE—Allen, Charles, G. Co.
BOSTON—Ames Plow Co. (Plows, Harrows, Cultivators, Rakes, Tedders, Planters, Fanning Mills, Feed Cutters), Quincy Hall

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CHICOPEE FALLS—Belcher & Taylor Agricultural Tool Co. (Plows, Harrows, Fanning Mills, Cultivators, Planters, Tedders, Feed Cutters, Potato Diggers, etc.)
MILFORD—Mann, F. W. Co. (Corn Shellers, Clover Cutters, etc.)
WORCESTER—Richardson Mfg. Co. (Mowers, Rakes, Tedders)

MICHIGAN.

ADRIAN—Babcock Planter Co. (Hand Corn Planters)
ALBION—Gale Mfg. Co. (Plows, Harrows, Cultivators, Rakes, Planters, Listers, Seeders & Sowers)
ALMA — Little Giant Hay Press Co. (Hay Presses, etc.)
ALMONT—Lee, Rob't E. (Plows, Feed Cutters)
ANN ARBOR—Ann Arbor Machine Co. (Feed Cutters, Hay Presses, etc.)
BATTLE CREEK—Advance Thresher Co. (Grain Weighers, Threshers, Stackers)
Nichols & Shepard Co. (Threshers, Stackers, Grain Weighers)
BAY CITY—Valley Wind Engine & Iron Co. Grinding Mills, etc.)
BLAINE—Fair & Sons (Plows)
BUCHANAN—Black, Geo. H. (Garden Cultivators)
BURR OAK—Sheffield Mfg. Co. (Corn & Potato Planters)
DETROIT—American Harrow Co. (Plows, Cultivators, Planters), 1482 Hastings
Campbell, Manson Co. (Fanning Mills), 103 Wesson av
DOWAGIAC—Dowagiac Mfg. Co. (Grain Drills, Seeders & Sowers)
GALIEN—Montross, Richard W. (Barley Forks)
GRAND LEDGE — Streeter, Hiram R. (Corn Shellers, etc.)
GREENVILLE—Greenville Implement Co. (Cultivators, Plows, Feed Cutters)
Moore Plow & Implement Co. (Plows, Culti-
HOLLY—Patterson & Brown Bros. Mfg. Co. (Bean Harvesters, Cultivators, etc.)
HOMER—Seeder Mfg. Co. (Seeders & Sowers)
JACKSON—Aspinwall Mfg. Co. (Potato Planters & Diggers, etc.)
KALAMAZOO—Clark Engine & Boiler Co. (Feed Cookers, etc.)
Johnson & Linihan (Fanning Mills, etc.)
Phelps & Bigelow Wind Mill Co. (Feed Cookers)
Reed Mfg. Co. (Cultivators, Seeders, etc.)
Smith & Pomeroy Windmill Co. (Feed Mills & Windmills)
LAPEER—Bostick Stove Co. (Plows)
MONROE—Wilder-Stroog Implement Co. (Harvesters, Plows, Feed Cutters)
MOUNT CLEMENS—Donaldson Bros. (Plows, Harrows, Cultivators, Planters, Feed Cutters)
NORTHVILLE—American Bell & Foundry Co. (Corn Shellers, Fruit & Potato Sorters, etc.)
PONTIAC—Bacon Mfg. Co. (Seeder, Bean Pickers & Garden Cultivators)
Howland, Ephraim & Sons (Plows, Harrows, Cultivators, Feed Cutters)
PORT HURON—Port Huron Engine & Thresher Co. (Plows, Threshers, Stackers, Feed Mills, Corn Shellers, Weighers)
SAGINAW—American Beet Harvester Co. (Beet Topper & Lifter)
Farmers' Handy Wagon Co. (Cultivators, Harrows, etc.)
Ferrell, A. T. & Co. (Bean Cleaners & Sorters)
Mitts & Merrill (Plows)
TECUMSEH—Heeson Bros. & Co. (Feed Cookers)
TRAVERSE CITY—Potato Implement Co. (Acme Corn & Potato Planters)
YPSILANTI—Thompson, Oliver E. & Sons (Root Cutters & Grass Seeders)

MINNESOTA.

ALBERT LEA—Edwards, C. D. (Stump Pullers)
AUSTIN—Johnson & Smith Co. (Plows, Harrows, etc.)
CROOKSTON—Maple Bay Mfg. Co. (Straw Stackers, etc.)
MINNEAPOLIS—Cleland Mfg. Co. (Fanning Mills)
Howell, R. R. & Co. (Harrows, Cultivators, Grain Drills & Feed Mills)
Kinnard-Haines Co. (Hay Presses, etc.)
Minneapolis Plow Works (Plows)
Minneapolis Threshing Machine Co. (Threshers, Stackers, Corn Shellers, Baggers, etc.)
Monitor Drill Co. (Grain Drills, Cultivators, Seeders & Sowers)
Owens, J. L. Co. (Fanning Mills, Grain Cleaning Machinery)
Twin City Separator Co. (Fanning Mills)
OWATONNA—Owatonna Fanning Mill Co. (Fanning Mills)
Owatonna Mfg. Co. (Grain Drills, Seeders & Sowers, Churns, etc.)
Sperry Mfg. Co. (Fanning Mills)
ST. LOUIS PARK—Martin, M. R. (Feeding Mills)
ST. PAUL — Anderson Company (Harrows, Rakes, Stackers, etc.)
Fosston Mfg. Co. (Wind Stackers)
Law Mfg. Co. (Hay Stackers, Forks, etc.)
SAUK CENTER—Keller Mfg. Co. (Harrows, Cultivators, Threshers, Fanning Mills, Sleds, etc.)
STILLWATER—Northwest Thresher Co. (Engines, Threshers, Stackers, Weighers, etc.)
WINONA — Diamond Huller Co. (Cottonseed Machinery, etc.)
New Winona Mfg. Co. (Feed Mills, Corn Shellers, Hay Presses, etc.)

MISSISSIPPI.

JACKSON—McDonnell Machine & Foundry Co. (Plows, etc.)
MERIDIAN—Hyde, Chas. J. (Hay Presses, etc.)

MISSOURI.

CAIRO—Boney, A. T. & Co. (Hay Stackers)
CHILLICOTHE—Jenkins Hay Rake & Stacker Co. (Feed Mills, Haying Tools, etc.)
HUNTSVILLE—Fleming & Sons Mfg. Co. (Haying Tools, Rakes, Stackers, etc.)
JONESBURG—Godfrey, H. M. (Walking Plows)
KANSAS CITY—Admiral Hay Press Co. (Hay Presses)
Eagle Mfg. Co. (Plows, Harrows, Cultivators, Listers)
Eclipse Hay Press Co. (Hay Presses, Stackers, Rakes, Stump Pullers, etc.)
Harbison & Modica Mfg. Co. (Corn Shellers, Cultivators, etc.)
Kansas City Hay Press Co. (Feed Mills, Hay Presses, Haying Tools, etc.)
Scott Hay Press Co. (Hay Presses)
Smith & Sons Mfg. Co. (Plows, Rakes, Hay Presses)
Tuller Cultivator Co. (Corn Cultivators)
Western Implement Mfg. Co. (Cultivators, Grain Drills)
LINNEUS—Superior Hay Stacker Mfg. Co. (Hay Stackers)
MACON—McCall Mfg. Co. (Hay Rakes & Stackers)
OLNEY—Stroker, Fitz C. (Plows)
ST. JOSEPH—Cartmell Machine Co. (Threshers, etc.)
McCargar, L. B. Feed Mill Co. (Grinding Mills, etc.)
St. Joseph Plow Co. (Plows, Cultivators, Harrows, etc.)
ST. LOUIS—Anderson, J. H. & Co. ("Boss" Hand Cultivator & Potato Digger)
Christen, F. & Sons (Seed Sowers, etc.)
Kingsland Mfg. Co. (Threshers, Corn Shellers, etc.)
Macgowan & Finigan Foundry & Machine Co. (Pulverizers & Rollers, Feed Grinders)
Myers, F. E. & Bro. (Grinding, etc)
Seymour Mfg. Co. (Grain Cradles)
Weber Implement Co. (Mowers)
Whitman Agricultural Co. (Harrows, Grain Drills, Feed Mills, Corn Shellers, Seeders & Sowers, Feed Cutters, Hay Presses)
SEDALIA—Barley, Thos K. (Harrows, Haying Tools, etc.)
SWEET SPRINGS—Fischer, Conrad (Harrows)
TARKIO—Midland Mfg. Co. (Plows, etc.)
UNIONVILLE—Stalcup Mfg. Co. (Hay Stackers)
WASHINGTON—Buhr Mfg. Co. (Plows)

NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc.)
DAVID CITY—Barker Mfg. Co. (Garden Weeders)
LINCOLN—Nebraska Mfg. Co. (Potato, Corn & Cotton Planters)
NEBRASKA CITY—King Drill Mfg. Co. (Grain Drills)
OMAHA—International Mfg. Co. (Hay Presses)

NEW HAMPSHIRE.

ALSTEAD—Lufkin, C. M. (Plows)
ANTRIM—Goodell Co. (Hand Seed Sowers, Weed Diggers)
HINSDALE—Granite State Mowing Machine Co. (Mowers)

NEW JERSEY.

GLENLOCH—Bateman Mfg. Co. (Plows, Harrows, Cultivators, Planters, etc.)
HIGHTSTOWN — Peppler, Thos. (Plows, Corn Shellers, etc.)
MILLINGTON—Nash, Duane H. (Pulverisers, Harrows, Clod Crushers, Planters, etc.)
NEWTON—Farrell, John & Son (Hay Forks & Carriers)
PHILLIPSBURG—Drinkhouse, F. F. (Feed & Fodder Cutters)
RIVERTON—McWhorter Mfg. Co. (Seed Drills, Bean, Peanut & Potato Planters)
TRENTON — Butterworth, Wm. H. & Bro. (Threshers, etc.)

NEW YORK.

ALBANY—Dedericks, P. K. Sons (Hay Presses)
AUBURN—Bowen & Quick (Threshers, etc.)
International Harvester Co. of America (Cultivators, Harrows, Mowers & Reapers, Rakes, Tedders, Binders, etc.), Osborne Plant (See Chicago, Ill.
AVON—Champion Drill Co. (Cultivators, Grain Drills, etc.)
BATAVIA—Bidwell, C. H. Thresher Co. (Inc.) (Bean Threshers, etc.)
Johnston Harvester Co. (Binders, Cultivators, Harrows, Mowers, Reapers, Rakes, Tedders, Seeders & Sowers)
Wiard Plow Co. (Plows, Harrows, Rakes, Planters, etc.)
CALEDONIA—Caledonia Bean Harvester Works (Cultivators, Planters, etc.)
CAMBRIDGE—Lovejoy Co. (Plows, Harrows, Cultivators, Planters, etc.)
CANANDAIGUA — Davidson, A. Foundry Co. (Plows, etc.)
CANASTOTA—Patten & Stafford Co. (Harrows, Rakes, etc.)
CASTILE — Castile Chilled Plow Co. (Plows, Harrows & Cultivators)
CATO—Dutton, E. Q. & Co. (Plows, Feed Mills)
CENTRAL BRIDGE—Campbell, S. K. Co. (Threshers)
CHAMPLAIN—Champlain Agricultural Works (Plows, Cultivators, Harrows, etc.)
COBLESKILL — Harder Mfg. Co. (Threshers, Fanning Mills, Manure Spreaders, etc.)
COPAKE IRON WORKS—Columbia Plow Works (Plows, etc.)
CORNING—Allen, E. R. Foundry Co. (Potato Diggers, etc.)
DANSVILLE—Sweet, George Mfg. Co. (Mowers & Reapers)
DESPATCH—Ontario Drill Co. (Grain Drills)
EAST AURORA—Peek, S. H. (Plows, Potato Planters & Diggers, etc.)
FULTON—Emeny, G. J. Co. (Feed Cutters)
FULTONVILLE — Fultonville Mfg. Co. (Hay Carriers)
GOWANDA — Gowanda Agricultural Works (Plows, Cultivators, etc.)
GREENE—Lyon Iron Works (Feed Cutters)
GREENWICH—Eddy, W. Plow Co. (Threshers, Plows, etc.)
HAMMOND — Evans Mfg. Co. (Harrows & Plows)
HILLSDALE—Mallery, W. A., Jr. (Plows, Harrows, etc.)
HONEOYE FALLS— Honeoye Falls Mfg. Co. (Bean Cleaners, etc.)
HOOSICK FALLS—Wood, Walter A. Mowing & Reaping Machine Co. (Mowers, Reapers, Binders, Rakes, Tedders, etc.)
ITHACA—Williams Bros. (Rakes, Broadcast Sowers, etc.)
KINGSTON — Hendricks, D. B. & Co. (Hay Presses)
LEONARDSVILLE—Babcock Mfg. Co. (Harrows, Cultivators, etc.)
LEROY—Leroy Plow Co. (Plows, etc.)
LIMA—Papec Machine Co. (Feed Cutters)
LOCKE—Robison, Geo. E. (Hay Rakes, etc.)
LYONS—Aul, Henry & Son (Fanning Mills)
Nagley Mfg. Co. (Tobacco Transplanters, Presses, etc.)
MACEDON—Bickford & Huffman Co. (Grain Drills)
MERIDIAN—Everts & Co. (Plows)
MOUNT MORRIS—Genesee Valley Mfg. Co. (Harrows, Grain Drills, Corn Shellers, Fanning Mills)
MUNNSVILLE—Munnsville Plow Co. (Plows)
OLEAN—Chamberlin Mfg. Co. (Stump Pullers)
OWEGO—Champion Wagon Co. (Grain Drills, etc.)
PHELPS—Crown Mfg. Co. (Grain Drills, etc.)
POUGHKEEPSIE—Adriance, Platt & Co. (Harrows, Mowers, Reapers, Binders, Rakes, etc.)
Chapinville Wheel Co. (Sulky Hay Rakes, Weeders, Harrows, etc.)
RIVERHEAD—Hudson, S. T. (Harrows)
ROCHESTER—Ricker Mfg. Co. (Hay, Feed & Litter Carriers)

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ST. JOHNSVILLE—Clark Machine Co. (Threshers)
SCHENECTADY—Westinghouse Co. (Threshers, Stackers, Weighers)
SENECA FALLS—Gould Mfg. Co.
Rumsey & Co.
SHORTSVILLE—Star Seeder Co. (Force Feed Wheelbarrow Grass Seeder)
SPENCERPORT—Ireland & Helfrich (Potato Diggers)
SYRACUSE—Engelburg Huller Co. (Rice Graders, Threshers, Separators, Hullers, Bean Hullers, etc.)
Kemp & Burpee Mfg. Co. (Manure Spreaders)
Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, Potato Hillers & Diggers, etc.)
TROY — Grant-Ferris Co. (Threshers, Grain Drills, Seeders & Fanning Mills)
TRUMANSBURG—Almy, Sam'l & Son (Rollers, Plows, etc.)
UTICA—Davidson Harrow Co. (Harrows)
Eureka Mower Co. (Cultivators, Mowers, Planters, etc.)
Munson Bros. Co. (Feed Mills)
Smith, D. B. & Co.
Standard Harrow Co. (Harrows, Cultivators, Corn Shellers, etc.)
WARSAW—WARSAW ELEVATOR CO. (Bean, Pea & Corn Planters, etc.) (See adv. index, end of book)
Warsaw-Wilkinson Co. (Ensilage, Feed & Fodder Cutters)
YOUNGSTOWN—Ripson, Wm. & Son (Plows, Harrows, Cultivators)

NORTH CAROLINA.

CHARLOTTE—Cole Mfg. Co. (Cotton Planters)
Liddell Co. (Cotton Ginning, Cleaning & Baling Machinery, etc.)
GOLDSBORO—Wayne Agricultural Wks (Plows, etc.)
GREENSBORO—Glasscock Stove & Mfg. Co. (Feed Cutters)

NORTH DAKOTA.

HUNTER—Disc Grader & Plow Co. (Plows, etc.)

OHIO.

AKRON—Akron Cultivator Co. (Cultivators, Plows, Harvesters, Bean, Corn, etc.)
WHITMAN & BARNES MFG. CO. (Garden Cultivators, etc.) (See adv. index, end of book)
ASHLAND—Myers, F. E. & Bro.
AVERY—Hoover Mfg. Co. (Potato Diggers & Sorters)
BELLEVUE—Jeschke Mfg. Co.
Ohio Cultivator Co. (Cultivators, Plows, Harrows, Planters, Listers, etc.)
BEREA—Dunham, J. W. & Son (Harrows, Corn Shellers, etc.)
BOWLING GREEN—Thornburgh Mfg. Co. (Hay Loaders, Garden Cultivators, Plows, Drills, etc.)
BRYAN—Bryan Plow Co. (Plows, Harrows, etc.)
BUCYRUS—Shunk Plow Co. (Plows, Handy Steel Farm Wagons, etc.)
CANAL FULTON—Fulton Machine Co. (Roller & Pulverizer combined, etc.)
CANTON—Bucher & Gibbs Plow Co. (Plows, Harrows, Cultivators & Land Rollers)
Canton Foundry & Machine Co. (Hay Tools)
Dick, Jos. Agricultural Works (Fodder Cutters, etc.)
Kohler, F. E. & Co. (Hand Corn Planters)
Ney Mfg. Co. (Hay Carriers, etc.)
Ney, V. L. Co. (Hay Carriers, etc.)
Swineford, G. A. Co. (Hay Carriers, etc.)
CINCINNATI—Blymyer Iron Works Co. (Coffee & Rice Machinery, etc.)
Straub Machinery Co. (Feed Mills, Corn Shellers, etc.), 1940 W 6th
CLEVELAND — American Fork & Hoe Co. (Weeders, Grain Cradles, Forks, Hoes, etc.)
BARTLETT, C. O. & SNOW CO. (Feed Mills, Corn Shellers, etc.) (See adv. index, end of book)
Empire Plow Co. (Plows, Harrows, Cultivators, etc.). Works: Ensley, Ala.
COLUMBIANA — Enterprise Mfg. Co. (Feed Mills etc.)
COLUMBUS — Kilbourne & Jacobs Mfg. Co. (Scrapers), hd of Lincoln
CRESTLINE—Burch Plow Wks Co. (Plows, etc.)
DAYTON—Ohio Rake Co. (Harrows, Hay Loaders, Planters, Rakes, Tedders, Corn Shellers, Seeders)
Parrott Mfg. Co. (Plows)
DOYLESTOWN—Sieberling & Miller Co. (Mowers, Reapers, Binders, Harvesters, etc.)
FREMONT—Lehr Agricultural Co. (Cultivators, Harrows, etc.)
GALENA—Hughes & Smythe (Revolving Rakes, Corn Planters, etc.)
GERMANTOWN—Emrick, D. P. (Plows, Harrows & Tobacco Presses)
HAMILTON—Deuscher, H. P. Co. (Harrows, Pulverizers, Cultivators, Rakes, Planters)
Long & Allstatter Co. (Cultivators, Rakes, Harrows, Planters, Plows, Feed Cutters, etc.)
HARRISON — Campbell Corn Drill Co. (Corn Drills, etc.)
HILLSBORO—Bell, C. S. Co. (Feed Mills, Cane Mills, etc.)
JACKSON—Jackson Mfg. Co. (Plows, Cultivators, etc.)
KENT—Peterson Mfg. Co. (Pulverizers & Clod Crushers)
LANCASTER—Eagle Machine Co. (Feed Mills, Hand Planters, Corn Shellers, Feed Cutters)
Hocking Valley Mfg. Co. (Corn Shellers, Hay Rakes, Tedders & Loaders, Feed Cutters)
MADISON — Genung, C. W. (Garden Seed Drills & Cultivators)
MALTA—Brown-Manly Plow Co. (Plows, Cultivators, etc.)
MANSFIELD—Aultman & Taylor Machinery Co. (Threshers, Stackers, Clover Hullers)
Lean, Roderick Mfg. Co. (Harrows, etc.)
Union Foundry & Machine Works (Corn & Cob Mills, Grinding Mills, etc.)
MARIA STEIN — New Idea Spreader Co. (Manure Spreaders)
MARIETTA—Marietta Mfg. Co. (Plows, etc.)
MARION—Huber Mfg. Co. (Threshers, Stackers, Weighers, Engines, etc.)
Implement Mfg. Co. (Hay Rakes)
MARTINSVILLE—West & Townsend (Cultivators)
MASSILLON—Harrison, W. R. & Co. (Fodder Cutters, etc.)
Russell & Co. (Threshers, Stackers, etc.)
MOUNT GILEAD—Mobile Implement Mfg. Co. (Garden Cultivators, Plows, etc.)
NAPOLEON—Heller-Aller Co. (Feed Cookers, Farm Boilers, Hog Scalders, Hog Waterers, etc.)
Napoleon Mfg. Co. (Threshing Machines, etc.)
NEWARK—Newark Machine Co. (Straw Stackers, Clover Hullers, Fanning Mills)
NEW BREMEN—Lanfersieck & Grothaus Co. (Plows)
NEW LEXINGTON—Star Mfg. Co. (Feed Mills & Powers, etc.)
NEW PHILADELPHIA—Spicer Mfg. Co. (Cultivators, etc.)
NORTH FAIRFIELD — Fairfield Plow Works (Plows)
ORRVILLE—Champion Thresher Co. (Harrows, Threshers, etc.)
PAINESVILLE—Vrooman, W. F. & Son (Onion Sorting & Topping Machinery)
PIQUA—Blaine Harrow Mfg. Co. (Harrows)
PLYMOUTH—Root Bros. Co. (Hand Corn Shellers)
SALEM—Silver Mfg. Co. (Feed Mills, Feed Cutters)
SANDUSKY—Klotz Machine Co. (Corn Shellers, etc.)
SPRINGFIELD—American Seeding Machine Co. (Grain Drills, Seeders & Sowers Broadcast, Disk, Harrows, etc.)
Bayley, Wm. Co. (Feed Mills, Hand Grist Mills & Corn Shellers)
Buckeye Feed Mill Co. (Feed Mills, Corn Harvesters, etc.)
Foos Mfg. Co. (Corn Harvesters, etc.)
Kelly, O. S. Co. (Feed Grinding Mills, etc.)
Mast, Foos & Co. (Lawn Mowers, Wind Engines, Pumps, etc.)
Roberts, Thos. (Feed Mills)
Ross, E. W. Co. (Feed, Fodder & Ensilage Cutters, Manure Spreaders, etc.)
Superior Drill Co. (Grain Drills)
Thomas Mfg. Co. (Grain Drills, Hay Loaders, Rakes, Tedders, etc.)
Victor Feed Mill Co. (Feed Mills)
SWANTON—Baker, A. D. Co. (Threshers)
TIFFIN—Tiffin Wagon Co. (Corn Shellers, etc.)
TOLEDO—Side Delivery Buncher Co. (Clover Bunchers & Hay Windrowers)
Toledo Plow Co. (Plows, Cultivators, etc.)
UPPER SANDUSKY — Ohio Mfg. Co. (Hay Presses, Feed Mills, etc.)
URBANA—Bechtolt, Geo. E. (Plows)
WAPAKONETA — Gunther & Lyman (Seed Cleaners & Separators, etc.)
WESTERVILLE—Bennett, H. L. & Co. (Corn Harvesters, Stump Pullers, etc.)
WEST MANCHESTER—Rollman, E. A. (Transplanting Machines)
ZANESVILLE—Brown Mfg. Co. (Plows, Harrows, Cultivators, etc.)

PENNSYLVANIA.

CARNEGIE—Carnegie Plow & Mfg. Co. (Plows, Pulverizers, Land Rollers, etc.)
CLEONA—Imboden Harrow & Roller Co. (Harrow & Land Roller Combined)
DOYLESTOWN — Doylestown Agricultural Works (Threshers, Fodder Cutters)
EASTON—Wilson Bros. (Feed Mills, Feed Cutters)
ELIZABETHTOWN — Buch's, A. Sons Co. (Corn Shellers, Fanning Mills, Feed Cutters)
ELYSBURG—Deshay, D. H. (Corn Plows, Potato Diggers, etc.)
GREENCASTLE—Walk, Henry S. (Grain Cradles, Rakes, etc.)
HAMBURG — Hamburg Plow Works (Plows, Potato Diggers)
HARRISBURG—Reist, J. B. & Son (Fanning Mills)
INDIANA—Indiana Foundry Co. (Feed Cutters)
LANCASTER—Dellinger, A. M. (Feed Grinding Mills, etc.)
LANSDALE—Heebner & Sons (Threshers, Harrows, Feed Mills, Feed Cutters)
LEBAYSVILLE—Bailey, E. Martin (Plows, etc.)
MARTINSBURG—Martinsburg Fdry Co. (Plows)
MECHANICSBURG—Comstock, Geo. S. (Rakes, Feed Cutters)
MIFFLINBURG—Albright, J. H. & Sons (Harrows, Cultivators, Rakes, Feed Cutters)
MOUNTVILLE — Mountville Mfg. Co. (Plows, Planters, Corn Shellers, etc.)
MUNCY—Sprout, Waldron & Co. (Feed Mills, Corn Shellers, etc.)
NEW HOLLAND—New Holland Machine Co. (Feed Mills)
NEW OXFORD—Weaver Mfg. Co. (Stock Troughs, Steel)
NORRISTOWN—Rittenhouse, C. & Sons
OAKHALL STATION — Sellers, Edward (Corn Planters, Feed Cutters & Land Rollers)
ORANGEVILLE — Orangeville Agricultural Works, (Threshers, Feed & Ensilage Cutters, etc.)
PHILADELPHIA—Allen, S. L. & Co. ("Planet, Jr.," Cultivators, Planters, Seeders), 1107 Market
PITTSBURG—Ajax Mfg. Co. (Feed Grinding Mills, etc.), 848 Jackson
Straub, A. W. & Co. (Feed Mills, etc.), 3737 Filbert
POTTSTOWN—Ellis Keystone Agricultural Wks (Threshers, Feed Cutters)
READING—Lessig, Chas. (Feed Cutters)
Lessig, Geo. D. (Feed Cutters)
SNYDERSVILLE — Marsh, E. B. Bro. & Co. (Plows, Threshers, etc.)
TATAMY—Messenger Mfg. Co. (Planters, Tedders, Threshers, Feed Cutters)
WAYNESBORO—Frick Co. (Threshers, Stackers, Shellers, Traction Engines)
Geiser Mfg. Co. (Threshers, Plows, Weighers, Baggers, Clover Hullers, Traction Engines)
YORK—Farquhar, A. B. Co. (Ltd.) (Threshers, Plows, Grain Drills, Feed Mills, Planters, Corn Shellers, Engines, Feed Cutters)
Flinchbaugh Mfg. Co. (Feed Mills)
Hench & Dromgold Co. (Plows, Harrows, Cultivators, Grain Drills, Feed Mills, Planters, Corn Shellers, Seeders, Feed Cutters, etc.)
Keystone Farm Machine Co. (Plows, Harrows, Cultivators, Feed Mills, Planters, Corn Shellers, Feed Cutters)
Root, B. M. Co. (Corn Planters)
Spangler Mfg. Co. (Harrows, Grain Drills, Planters, Feed Cutters)

SOUTH CAROLINA.

BENNETTSVILLE — Star Pea Machine Co. (Pea Threshers, etc.)

SOUTH DAKOTA.

SIOUX FALLS—Sioux Falls Plow Co.
WATERTOWN — Lee Bros. (Plows, Harrows, etc.)

TENNESSEE.

CHATTANOOGA — Chattanooga Implement & Mfg. Co. (Hay Presses, Plows & Cultivators)
Chattanooga Plow Co. (Plows, Cane Mills, Evaporators, Cotton & Corn Planters, etc.)
Ross-Meehan Foundry Co. (Feed Cutters)
Sanders, Newell Plow Co. (Plows)
CLARKSVILLE—Ground Hog Plow & Foundry Co.
Patch, A. H. (Corn Shellers)
HARRIMAN—Harriman Hoe & Tool Co.
Harriman Mfg. Co. (Plows, Cotton Planters, Harrows, Feed Mills)
JACKSON—Wells-Jones Plow Co. (Plows)
MEMPHIS—Ellis, Wm. C. & Son (Cotton Seed Cleaners)

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TEXAS.

BRENHAM—Schurenberg, F. W. (Plows)
BRYAN—Chatham Machinery Co. (Feed Mills)
DALLAS—Murray Co. (Cotton Gins, Presses, Southern Plow Co. (Plows, etc.) etc.)
Texas Disc Plow Co. (Plows)
LONGVIEW—Kelly, G. A. Plow Co. (Plows)

VERMONT.

BARTON—Murkland, Jno. W. (Plows)
BELLOWS FALLS — Derby & Ball (Grain Cradles)
BROOKFIELD—Peck, Clark & Co. (Drag Rakes, Agricultural Forks, etc.)
MIDDLETOWN SPRINGS—Gray's, A. W. Sons (Threshers, etc.)
RICHFORD—Richford Foundry & Machine Co. (Plows, Cultivators, Weeders & Land Rollers)
ST. ALBANS—St. Albans Foundry & Implement Co. (Stump Pullers, Fodder Cutters, Threshers, etc.)
WOODSTOCK—Daniels Machine Co. (Feed Cutters)

VIRGINIA.

ALEXANDRIA—May, Wm. H. & Son (Plows)
CHARLOTTESVILLE—Harris, R. F. & Co.
CHRISTIANSBURG — Christiansburg Chilled Plow & Machine Works (Chilled Plows, etc.)
FREDERICKSBURG—Hunter, Chas. E. (Plows)
LYNCHBURG—Lynchburg Foundry Co. (Plows)
NORFOLK—Billups, C. Son & Co. (Plows, Harrows, Cultivators, Corn Shellers, Fanning Mills)
White, S. R. & Bro. (Plows, Cultivators, Planters, Corn Shellers & Feed Cutters)
Whitehurst, R. W. Co. (Plows, Hay Presses)
PETERSBURG—Ayers, J. R. (Peanut & Cotton Planters, etc.)
RICHMOND—Call-Watt Co. (Plows)
Cardwell Machine Co. (Threshers, Planters, Feed Cutters, Horse Powers, Hay Presses)
Starke's Dixie Plow Works (Ashton Starke, Prop.) (Plows, etc.)
STAUNTON—Leader Plow Co. (Garden Plows)
SUTHERLIN—Kerns, H. O. (Plows)

WASHINGTON.

WALLA WALLA—Hunt, Gilbert Co. (Threshers)
Washington Weeder Works (Weeder Cultivators)

WISCONSIN.

APPLETON—Becker, J. E. (Plows)
Double Power Mill Co. (Feed Mills & Corn Huskers)
Eagle Mfg. Co. (Ensilage & Fodder Cutters)
BEAVER DAM—Beaver Dam Mfg. Co. (Seeders)
Rowell, J. S. Mfg. Co. (Cultivators, Grain Drills, Rakes, Seeders, Fanning Mills)
BELOIT—Thompson, J. & Sons Mfg. Co. (Plows, Harrows, Cultivators, Planters, Listers, Rakes, Seeders)
BRANDON—Sherwin, E. C. & Son (Harrows)
BRILLION—Brillion Iron Works (Plows, Clod Crushers & Land Rollers)
CUDAHY—Stoltz, J. R. (Potato Planters, etc.)
EAU CLAIRE — Anderson Mfg. Co. (Plows Harrows, etc.)
Northwestern Steel & Iron Works (Cultivators, Plows, Harrows, etc.)
EVANSVILLE — Baker Mfg. Co. (Feed Mills, Windmills, etc.)
FOND DU LAC—Fond du Lac Implement Co. (Harrows, Grain Drills, Rakes, Seeders)
Glasow, Fred. (Plows)
FORT ATKINSON—Kent Mfg. Co. (Hand Potato & Corn Planters)
Pounder, Geo. H. (Harrows)
HARTFORD — Hartford Plow Works (Plows, Harrows, Cultivators, Feed Cutters)
HORICON—Van Brunt Mfg. Co. (Cultivators, Grain Drills, Seeders, etc.)
JANESVILLE—Janesville Machine Co. (Grain Drills, Plows, Harrows, Cultivators, Mowers, Listers, etc.)
Kent Corn Planter Co. (Corn Planters, etc.)
Strickler Hay Tool Co. (Haying Tools)
JEFFERSON — Vaugan Mfg. Co. (Harrows, Grain Mills, etc.)
KAUKAUNA—Solar Mfg. Co. (Fanning Mills)
KEWAUNEE—Hamacek, Frank (Plows, Feed Mills, Feed Cutters)
LA CROSSE—City Plow Co. (Plows, etc.)
Egan Mfg. Co. (Potato Diggers)
La Crosse Plow Co. (Plows, Harrows, Cultivators, Grain Drills, Listers, Seeders)
Smith, W. Grubber Co. (Stump Pullers)
Smith Mfg. Co. (Stump Pullers)
MADISON—American Plow Co. (Plows, Cultivators, etc.)
Fuller & Johnson Mfg. Co. (Plows, Harrows, Cultivators, Planters, Rakes, etc.)
MANITOWOC — Gaterman Mfg. Co. (Canada Thistle Cutters & Clover Bunchers)
Smalley Mfg. Co. (Corn Shellers, Plows, Feed Cutters)
MARINETTE—Stevens, A. W. Co. (Threshers, Engines, Wind Stackers, Corn Shellers, etc.)
MAYVILLE—Zillisch, A. T. (Harrows, Feed Cutters)
MENOMONEE FALLS — Rowell, I. B. Co. (Plows, Harrows, Cultivators, Feed Cutters)
MILWAUKEE—Dorsch, John & Sons (Potato Hiller & Digger Combined)
Hirsch Bros. (Fanning Mills), 267 Reed
Lindsay Bros. (Band Cutters & Self Feeders, etc.)
Milwaukee Hay Tool Co. (Corn Huskers, Fodder Shredders & Haying Tools), Layton Park
PORT WASHINGTON—Western Malleable & Grey Iron Mfg. Co. (Feed Mills, etc.)
RACINE—Belle City Mfg. Co. (Feed & Ensilage Cutters, Horse Powers, etc.)
Case, J. I. Plow Works (Plows, Harrows, Cultivators, Planters, Listers, etc.)
Case, J. I. Threshing Machine Co. (Threshers, Stackers, Weighers, etc.)
Dickey, A. P. (Corn Shellers, Fanning Mills)
Foster & Williams Mfg. Co. (Drag Rakes, Seeders, Fanning Mills, Feed Cutters)
Freeman, S. & Sons Mfg. Co. (Corn Shellers, Seeders, Fanning Mills, Windmills, Feed Cutters, etc.)
Johnson & Field Mfg. Co. (Seeders, Fanning Mills, Land Rollers, etc.)
Wabers, H. H. Mfg. Co. (Hand Corn & Potato Planters)
RIPON—Hazen, Wayne S. (Harrows)
SHEBOYGAN—Blocki, F. Co. (Clover Bunchers, Pea Harvesters, etc.)
Globe Foundry & Machine Co. (Feed Mills & Feed Cutters)
SOUTH MILWAUKEE—Stowell Mfg. & Foundry Co. (Haying Tools, etc.
SPARTA—Sparta Iron Works Co. (Stump Pullers)
SUPERIOR—Duplex Mfg. Co. (Feed Mills, etc.)
WATERLOO—Drew Elevated Carrier Co. (Feed & Litter Carriers)
WAUPUN—Althouse-Wheeler Co. (Feed Mills, Olson, O. C. (Plows) etc.)
WAUSAU—Wausau Foundry & Machine Co. (Feed Cutters)
WEST ALLIS—Rosenthal Husker Co. (Huskers & Shredders "Corn")
WEST BEND—Gehl Bros. Mfg. Co. (Feed & Fodder Cutters, Corn Shellers, Hay Tedders, Harrows, etc.)
Young Loader Co. (Manure Loaders)

Agricultural Implement Parts

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Empire Plow Co. (Cultivator Attachments, Clevises, Coulters, Grain Drill Points, etc.), Cleveland, O.
Havana Metal Wheel Co. (Plow Shares, Points, Lister Shares, Sub-Soilers, etc.), Havana, Ill.
Mason, F. C. & Co. (Potato Digger Blades, Harrow Shoes, etc.), St. Johns, Mich.

Air Brake Fittings

(See Fittings, Air Brake)

*Air Brake Storage System

WESTINGHOUSE TRACTION BRAKE Co., Pittsburg, Pa.

Air Brakes

(See Brakes, Air)

Air Chambers (Seamless Copper)

Naugatuck Mfg. Co., Naugatuck, Conn.
Hercules Float Works, Springfield, Mass.

Air Compressors

(See Compressors, Air)

*Air Cooling & Purifying Apparatus

THOMAS & SMITH (Inc.) ("Thomas-Acme" System), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

*Air Cushions (Saw Mill Carriage)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Air Hoists

(See Pneumatic Hoists)

*Airlocks (Sewerage)

MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)

*Air Motors & Air Hoisting Machinery

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

AIR MOTORS & AIR HOISTING
Machinery
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

Air Receivers

American Air Compressor Works, 26 Courtlandt, New York
Bury Compressor Co., Erie, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS., 115 B'way, New York. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
McKiernan Drill Co., 170 B'way, New York
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Pollock, Wm. B. Co., Youngstown, O.
Power & Mining Machinery Co., Cudahy, Wis.
SCAIFE, WM. B. & SONS CO., 2231 1st av, Pittsburg, Pa. (See adv. index, end of book)
Sullivan Machinery Co., Railway Exch bldg, Chicago, Ill.
Underwood, H. B. & Co., 1025 Hamilton, Phila., Pa.
Wilks, S. Mfg. Co., 35th c Shields av, Chicago, Ill.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

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Alarms (Burglar)

Ansonia Electrical Co., Ansonia, Conn.
Benjamin, Geo. P. 81 Fulton, New York
Boston Electric Co., 29 Harrison av, Boston
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Dayton Supply Co., Dayton, O.
Einbigler, Rudolf, 56 New, New York
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Garl Electric Co., Akron, O.
Heath Electric Co., 336 Grand River av, Detroit, Mich.
Herzog Teleseme Co., 137 W 23d, New York
Holmes Elec. Prot've Co., 20 Cortlandt, New York
Holtzer-Cabot Electric Co., Brookline, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
Ostrander, W. R. & Co., 22 New York
Partrick, Carter & Wilkins, 22d & Wood, Phila., Pa.
Pearce, Frederick Co., 18 Rose, New York
Standard Elec. Supply Co., 37 Warren, New York
Stanley & Patterson (S. & P. Double Magnet), 23 Murray, New York
Star Electric Co., Binghamton, N. Y.
United Electric & Apparatus Co., 200 Summer, Boston, Mass.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilcox, L. M., 219 Market, Newark, N. J.

Alarms (Fire, Manual & Automatic Systems)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Denio General Electric Co., Rochester, N. Y.
Edwards & Co., 140th & Exterior, New York
Foote, Pierson & Co., 160 Duane, New York
Gamewell Fire Alarm Telegraph Co., 19 Barclay, N. Y.
Garl Electric Co., Akron, O.
Jones & Gross Elec. Co., 62 Vesey,, New York
McFell Electric Co., 88 W Van Buren, Chicago, Ill.
Manhattan Fire Alarm Co., 17 Park pl., New York
National Fire Appliance Co. ("Wall"), Boston, Mass.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Reliance Instrument Co. ("Willis"), 60 West Van Buren, Chicago, Ill.
Signalphone Co., Wilwaukee, Wis.
Special Fire Alarm Electric Signal Co., 44 E 23d, New York
Star Electric Co., Binghamton, N. Y.
Stephens, Geo. M. Co., Boston, Mass.
Utica Fire Alarm & Telegraph Co., Utica, N. Y.
Viaduct Electric Co., Relay, Md.
Western Electric Co., Chicago & 57 Bethune, New York

Alarms (Fire, Thermostatic & Automatic System)

Boston Automatic Fire Alarm Co., Boston, Mass.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Copenhagen Automatic Fire Alarm Co., Sheboygan, Wis.
Manhattan Electrical Supply Co., 17 Park pl., New York
Milwaukee Automatic Fire Service Co., Wilwaukee, Wis.
Montauk Fire Detecting Wire Co., 100 William, New York
Murphy Specialty Co., Detroit, Mich.
National Fire Appliance Co. ("Wall"), Boston, Mass.
Penn Heat Alarm & Signal Co., Pittsburg, Pa.
Star Electric Co., Binghamton, N. Y.
Vierkant, H. C., Tarrytown, N. Y.
Wall G. A., Providence, R. I.
White Thermostat Co., Boston, Mass.

Alarms (Highway Crossing)

(See Signals, Railway Crossing)

Alarms (Low Water for Boilers)

Ashcroft Mfg. Co., 85 Liberty. New York.
Binghamton Machine Tool Works ("The Turner"), Binghamton, N. Y.
Buckeye Iron & Brass Works, Dayton, O.
Burrows Mfg. Co. ("Burrows" High & Low), York, Pa.
Detroit Lubricator Co. ("Detroit"), Detroit,
Erie Mfg. & Supply Co., Erie Pa. Mich.
Ferguson Mfg. Co. ("Williamsco"), 221 Columbus av, Boston, Mass.
Hills-McCanna Co., 128 Kinzie, Chicago, Ill.
Illinois Malleable Iron Co., 30 W Monroe, Chicago, Ill.
Jarvis Engine & Machine Works ("Jarvis"), Lansing, Mich.
Jones Automatic Low Water Alarm Co., Detroit, Mich.
Kirchner, P. A. Boiler Alarm Co., Ft. Wayne, Ind.
Kitts Mfg. Co., Oswego, N. Y.
Lawler Regulator Co., 473 W B'way, New York
Lonergan, J. E. & Co. ("Reliable"), 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Monash-Younker Co. (Gem & Signal), 208 S Canal, Chicago, Ill.
Reliance Gauge Column Co., 5902 Carnegie av, S E, Cleveland, O.
Rutsler, E. Co., 127 White, New York
Schaeffer & Budenberg Mfg. Co. ("Ashley"), 963 Kent av, Brooklyn, N. Y.
Sims Co., Erie, Pa.
Steigert, Leopold (Also for High Water, The "U. S." Indicator), cor Elder & Logan, Cincinnati, O.
Williams Gauge Co., 548 4th av, Pittsburg, Pa.
Wright Mfg. Co., 27 Woodbridge, Detroit, Mich.

Alarms (Puncture)

Baldwin Chain & Mfg. Co., Worcester, Mass.
Worcester Auto Exchange, Worcester, Mass.

Alcohol (Denatured)

Adams, Fred C. (Mfrs.' Agt.), 36 La Salle, Chicago, Ill.
Berry Bros. (Ltd.), Detroit, Mich.
Boyd, F. O. & Co., New York
Commercial Distilling Co., Terre Haute, Ind.
Gray, Wm. & Co., New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Marcus, Julius, New York
Merrimac Chemical Co., Boston, Mass.
United States Industrial Alcohol Co. ("Pyro"), 100 William, New York
Webb, A. L. & Sons, Baltimore, Md.
Woolner & Co., Peoria, Ill.

Alcohol (Grain)

Clifton Springs Distilling Co., Cincinnati, O.
Fleischmann Co., Cincinnati, O.
Webb, Jas. A. & Son, 50 Stone, New York

Alcohol (Wood)

Alton Chemical Co., Bradford, Pa.
Antrim Chemical Co., Detroit, Mich.
Ashland Iron & Steel Co., Ashland, Wis.
Bartley, John & Co., Mt. Alton, Pa.
Bayless, J. & F. J., Binghamton, N. Y.
Berry Bros. (Ltd.), Detroit Mich.
Boyne City Chemical Co., Boyne City, Mich.
Brandt Chemical Co., Binghamton, N. Y.
Cleveland Cliffs Iron Co., Cleveland, O.
Cooper, Chas. & Co., 194 Worth, New York
Corbett, M. J. & Co., Binghamton, N. Y.
Cummer, Diggins & Co., Cadillac, Mich.
Desmond, F. C., Traverse City, Mich.
Forest Chemical Co., Sheffield, Pa.
Gaffney Bros., Olivedale, Pa.
Gray Chemical Co., Port Alleghany, Pa.
Hastings Chemical Co., Hastings, Me.
Innes Bros. & Co., Canton, Pa.
Lake Superior Iron & Chemical Co., Detroit, Mich.
Leighton, Arthur Co., Methol, N. Y., & Cook Falls, N. Y.
McKean Chemical Co. (Wood Spirits), Williamsport, Pa.
Mashek Chemical & Iron Co. (Refined), Wells, Mich.
Merrimac Chemical Co., Boston, Mass.
Michigan Chemical Co., Bay City, Mich.
Nant-Y-Glo Chemical Co., Buffalo, N. Y.
Noble Electric Steel Co., San Francisco, Cal.
Oswego Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Pioneer Iron Co., Negaunee, Mich.
Russell Chemical Co., Russell, Pa.
Salomon, L. A. & Bro., 216 Pearl, New York
Webb, A. L. & Sons, Baltimore, Md.
Wood Products Co. (Pure Methyl & Refined), Buffalo, N. Y.
Wright Chemical Co., Susquehanna, Pa.
Wyman Chemical Co., Port Alleghany, Pa.
Young, W. D. Chemical Co., West Bay City, Mich.

Alizarine Assistant

Shaw, Jno. & Co., Boston, Mass.

Alkali Mfrs.

American Chemical Co., Cincinnati, O.
Clark, Fred S. Co., Cleveland, O.
Columbia Chemical Co., Pittsburg, Pa. Works, Barberton, O.
Fuerst Bros. & Co., 2 Stone, New York
Hollingsworth & Peterson, Philadelphia Bourse, Philadelphia, Pa.
Kentucky Refining Co., Louisville, Ky.
Linder & Meyer, Boston, Mass.
Mathieson Alkali Works ("Eagle" & "Thistle" Brands), Providence, R. I.; Works: Saltville, Va.
Michigan Alkali Co., Wyandotte, Mich.
Solvay Process Co., Syracuse, N. Y., & Detroit, Mich.
Wing & Evans, 22 William, New York
Winkler, Isaac & Bro., Cincinnati, O.

Alloys (Aluminum)

(See Ferro-Aluminum)

Alloys (Bassite)

Bassite Mining & Smelting Co. (For Brass Founders), Cincinnati, O.

Alloys (Copper & Nickel)

Benedict & Burnham Mfg. Co., Waterbury, Conn.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Nassau Smelting & Refining Works, 607 W 29th, New York

Alloys for Steel Mfrs.

(See Ferro Alloys of Various Kinds)

*Alloys (Iridium)

AMERICAN PLATINUM WORKS (Any Grade of Hardness), Chestnut st & N. J. R. R. av, Newark, N. J. (See adv. index, end of book)

Alloys (Manganese)

(See Ferro Manganese, Etc.)

Alloys (Manganese Bronze)

American Manganese Bronze Co. ("Spare's" White, Hydraulic, etc.), 99 John, New York

Alloys (Phosphor Bronze)

Brady Brass Co., 200 10th, Jersey City, N. J.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Phosphor Bronze Smelting Co. (Ltd.) ("Elephant" Brand), 2200 Wash'n av, Phila., Pa.

Alloys (Silicon)

(See Ferro Manganese & Ferro Silicon)

Alloys ("Techno")

Techno Chemical Co. (For Steel, Brass, Bronze & Gun Metal Castings), Cleveland, O.

Alloys (White Metal)

Electric Smelting & Aluminum Co. ("Cowles"), Lockport, N. Y.
Lissberger, Marks & Son, 281 Borden av, Brooklyn, N. Y.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

*Alphabetical & Changeable Directories

TABLET & TICKET CO., 70-80 W Jackson boul, Chicago, Ill. (See adv. index & branch offices, end of book)

Alphabets & Figures (Steel)

(See Stencils)

Altars

(See Marble Altars; also Furniture, Church & Lodge)

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Alumica

Looe & Dilworth, 184 S Front, New York

Alumina

Penna. Salt Mfg. Co. (Sulphate, Hydrate, etc.), 115 Chestnut, Phila., Pa.

Aluminite

Stowe-Fuller Co., Cleveland, O.

Aluminoid

National Wire Cloth Co., Niles, Mich.

Aluminum Flake

Aluminum Flake Co., Akron, O.

Aluminum Hollow Ware

Aluminum Company of America, Pittsburg, Pa., & 99 John, New York
Aluminum Cooking Utensil Co. ("Wear-Ever"), New Kensington, Pa., & 99 John, New York
Aluminum Mfg. Co., Two Rivers, Wis.
Buckeye Aluminum Co. ("Perfection"), Doylestown, O.
Central Stamping Co. ("Sterling" Enameled), 174 Fulton, New York
Griswold Mfg. Co. ("Erie"), Erie, Pa.
Illinois Pure Aluminum Co., Lemont, Ill.
National Aluminum Works ("Perfection"), Wellsville, N. Y.
Republic Metalware Co., Buffalo, N. Y.
United States Aluminum Co., Pittsburg, Pa.
Wagner Mfg. Co., Sidney, O.

Aluminum Novelties

(See Metal Novelties & Specialties)

* Aluminum Stampings

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Alums

Baker & Adamson Chemical Co., Easton, Pa.
Cochrane Chemical Co. (Porous, etc.), Boston, Mass.
Detroit Chemical Works, 190-260 Junction av, Detroit, Mich.
Fuller & Fuller, 220 Randolph, Chicago, Ill.
General Chemical Co. (Sulphuric), 25 Broad, New York
Harrison Bros. & Co. (Inc.), Phila., Pa.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Kalbfleisch, Franklin H. Co., B'way & 16th, New York
Kuttroff, Pickhardt & Co., 128 Duane, New York
Lening, Chas. & Co., 112 S Front, Phila., Pa.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merrimac Chemical Co. Boston, Mass.
Penna. Salt Mfg. Co. (Crystal, Natrona Porous), 115 Chestnut, Phila., Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Philadelphia, Pa.
Sholes, C. E. Co., 164 Front, New York
Thomsen Chemical Co., Race c Winder, Baltimore, Md.
Wiarda, John C. & Co., 273 Green, Brooklyn, N. Y.

Alundum for Polishing

Norton Co., Main Office: Worcester, Mass.

*Alundum Grains & Bricks

HARRISON SUPPLY CO., 5 Dorchester av ext., Boston, Mass. (See adv. index, end of book)

Alundum & Corundum Wheels

Norton Co., Main Office: Worcester, Mass.

Amalgamating Pans & Barrels

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Hendy, Joshua Machine Works, San Francisco, Cal.
Krogh Mfg. Co. ("Acme" for Beach Sands), San Francisco, Cal.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Mill & Smelter Engineering Co., 114 Liberty, New York
Mine & Smelter Supply Co., Denver, Col.
Pierce, L. S. ("Pierce" Gold Separator & Amalgamator), 1650 Champa, Denver, Colo.
Power & Mining Machinery Co., Cudahy, Wis.
Traylor Engineering Co., Allentown, Pa.
Union Iron Works Co., Potrero, San Francisco, Cal.

Amalgamating Sheets (Silver Plated)

Baltimore Copper Smelting & Rolling Co., Baltimore, Md.

Ambulances

Birch, James H., Burlington, N. J.
Fulton & Walker Co., 20th & Filbert, Phila.,
Kiblinger, W. H. Co., Auburn, Ind. Pa.
Studebaker Bros. Mfg. Co., South Bend, Ind.

Ammeters & Voltmeters

(Those who Manufacture Battery Gauges are so Indicated following their names)

American Instrument Co. ("American," for Direct Current), 16 Lawrence, Newark, N. J.
Baird Mfg. Co. (Battery Gauges), 1592 North Halsted, Chicago, Ill.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Central Laboratory Supply Co. ("Vawter" Recording), La Fayette, Ind.
Clark Electric Meter Co., 141 South Clinton, Chicago, Ill.
Connecticut Telephone & Electric Co. (Inc.) (Battery Gauges), Meriden, Conn.
Dongan Instrument Co (Direct & Alternating), Albany, N. Y.
Dow Portable Electric Co. (Battery Gauges), Braintree, Mass.
Duncan Electric Mfg. Co. ("Duncan" Direct & Alternating Current), La Fayette, Ind.
Du Vivier, Ernest H. (Dial & Recording), 30 Church, New York
Eager Electric Co., Watertown, N. Y.
Easton Carbon Works (Battery Gauges), Jersey City, N. J.
Eldridge Electric Mfg. Co. (Also Battery Gauges), Springfield, Mass.
Fort Wayne Electric Works (Inc.), (Wood), Fort Wayne, Ind.
Geen Electrical Mfg. Co. ("Geno," Battery Gauges), 180 East Lake, Chicago, Ill.
GENERAL ELECTRIC CO. (Recording & Indicating Voltmeters), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hanson & Van Winkle Co. ("The H. & V. W.") 219 Market, Newark, N. J.
Hoyt Electrical Instrument Works (Also Battery Gauges), Penacook, N. H.
International Electric Meter Co., 330 West Randolph, Chicago, Ill.
International Instrument Co., Cambridge, Mass.
Jewell Electrical Instrument Co. ("Jewell" Dead-Beat Portable & Switchboard Type), 61 N Ashland av, Chicago, Ill.
Johns, H. W.-Manville Co. ("Victor"), 100 William, New York
Kendrick & Davis (The K. & D.), Lebanon, N. H.
Kent Atwater Mfg. Works (Battery Gauges), 46 N 6th, Phila., Pa.
Keystone Electrical Instrument Co. (Also Battery Gauges), 9th & Montgomery av, Philadelphia, Pa.
King, Julius Optical Co. (Battery Gauges), 10 Maiden la., New York
Knott, L. E. Apparatus Co., 15 Harcourt, Boston, Mass.
Leeds & Northrup Co. ("Leeds & Northrup" Potentiometer), Phila., Pa.
Manhattan Electrical Supply Co. ("Ditmar," "Universal," "Elite," Battery Gauges), 17 Park pl., New York
Motor Car Supply Co. ("Van Sickle," Battery Gauges), 1425 Michigan av., Chicago, Ill.
Neuer-Miss Spark Coal Co. (Battery Gauges), Lansing, Mich.
Norton, Chas. Electrical Instrument Co., Manchester, Conn.
Oakes & Dow Co. ("Sherman," Battery Gauges), Boston, Mass.
Pierson-Wilcox Elec. Co. (Battery Gauges), Minneapolis, Minn.
Pignolet, Louis M. (Continuous Current), 80 Cortlandt, New York
Pocket Meter Co. ("Readrite"), Bluffton, O.
QUEEN & CO. (Inc.), n w c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Reliance Instrument Co. ("Reliance"), 60 W Van Buren, Chicago, Ill.
Robert Instrument Co. (Also Battery Gauges), Detroit, Mich.
Roller-Smith Co. (Also Battery Gauges), Bethlehem, Pa.
Ruprecht Electrical Co. (Battery Gauges), Cleveland, O.
Standard Electric Time Co. ("The Warner," Battery Gauges), Waterbury, Conn.
Standard Instrument Co., Newark, N. J.
Sterling Electric Mfg. Co. (Battery Gauges), Cleveland, O.
Triplett Meter Co., Bluffton, O.
Wagner Electric Mfg. Co., Plymouth & Wabash R. R., St. Louis, Mo.
Western Electric Co., 259 S Clinton, Chicago, Ill. & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co. (Direct & Alternating Current), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Ammonia

Armitage Mfg. Co., Richmond, Va.
Armour Ammonia Works (Anhydrous), 3131 Loomis, Chicago, Ill.
Baker & Adamson Chemical Co. ("C. P."), Easton, & McKeesport, Pa.
Banner Mfg. Co., Detroit, Mich.
Barrett Mfg. Co. (Anhydrous & Aqua), 17 Battery pl, New York, & Land Title bldg, Philadelphia, Pa.
Billings-Clapp Co., 178 Freeport, Dor, Boston, Mass.
Bower, Hy. Chemical Mfg. Co. (Anhydrous & Aqua), 29th & Gray's Ferry rd, Phila., Pa.
Bucks Chemical Co. (Anhydrous), Wilmington, Del.
Butterworth-Judson Co. (Aqua), Newark, N. J.
Carbondale Chemical Co. ("Aqua & Anhydrous"), Carbondale, Pa.
Clapp, B. P. Ammonia Co., Louisville, Ky.
Cochrane Chemical Co. (Aqua, Anhydrous), Boston, Mass.
Colorado Ammonia & Chemical Co., 9th & Wewatta, Denver, Col.
Columbia Chemical Co. (Parsons), 48 Sedgwick, Brooklyn, N. Y.
Consumers Ammonia Co. (Anhydrous), Drexel bldg, Philadelphia, Pa.
Grasseli Chemical Co. (Aqua), Arcade bldg, Cleveland, O.
General Chemical Co., 25 Broad, New York
Harrison Bros. & Co. (Aqua), S 35th & Gray's Ferry rd, Phila., Pa.
Harshaw, Fuller & Goodwin Co. (Carbonate, Fluoride & Muriate), Cleveland, O.
Hecla Compressed Gas Co. (Anhydrous), Chelsea, Mass.
Herf & Frerichs Chemical Co. (Anhydrous & Aqua), St. Louis, Mo.
Hirsh, Leon & Sons (Anhydrous in Cylinders), 368 Greenwich, New York
Kalbfleisch, Franklin H. Co. (Ammonia, Aqua), B'way & 16th, New York
Larkin & Scheffer Chemical Co. (Ammonia, Anhydrous), St. Louis, Mo.
Lister's Agr'l Works (Sulphate), 26 B'way, New York
McKesson & Robbins (Salts of), 91 Fulton, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Mechling Bros. Mfg. Co. (Aqua), Phila., Pa.
Merrimac Chemical Co. (Aqua), Boston, Mass.
Michigan Ammonia Works (Carbonate), ft of Beaufait, Detroit, Mich.
National Ammonia Co. (For Refrigerating), St. Louis, Mo.
Northwestern Fertilizer Works (Aqua), 45th & S Center av, Chicago, Ill.
Pacific Ammonia & Chemical Co., Francisco c Webster, San Francisco, Cal.
Penna. Salt Mfg. Co. (Ammonia, Aqua), Phila., Pa.
Powers-Weightman-Rosengarten Co. (Aqua), 9th & Parrish, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co. (Sal Grami & Carbonate, etc.), 100 William, New York
Solvay Process Co. ("Aqua"), Syracuse, N. Y.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Western Chemical Mfg. Co. (Ammonia, Anhydrous), Denver, Colo.
Wiarda, John C. & Co., 259 Green, Brooklyn, N. Y.

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Amyl

(See Acetate of Amyl)

Anchors

Admiral Anchor Co. (Steel Stockless), Chester, Pa.
American Ship Windlass Co. ("Babbitt"), Providence, R. I.
Baldt Anchor Co., Chester, Pa.
Bowers, L. M. & Co. ("National," "International," Steel Stockless), Binghamton, N. Y.
Camden Anchor-Rockland Machine Co. (Wrought Iron, 20 to 8,000 lbs.), Camden, Me.
Cape Ann Anchor Works, Gloucester, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Chester Steel Casting Co. (Ship), 407 Sansom, Phila., Pa.
Coleman, Walter & Son ("Rex"), Providence, R. I.
Fairnaven Iron Foundry Co., Fairnaven, Mass. Ohio
Laughlin, Thos. Co. ("Dirigo" Folding, Fishing, Grapnel, Mushroom, Stockless, etc.), Portland, Me.
Matthews, W. N. & Bro. (Ship), 206 N 2d, St. Louis, Mo.
National Steel Foundry Co. (Ship), Fairmont av, New Haven, Conn.
NEW JERSEY FOUNDRY & MAchine Co. (Ship), 90 West, New York
Penn Steel Casting & Machine Co. (Open Heart Steel), Chester, Pa.
Seaboard Steel Casting Co. (Open Hearth Steel), Chester, Pa.
Wilcox, Crittenden & Co. (Stockless with Ball & Socket, Mushroom, Folding, Grapplings, etc.), Middletown, Conn.

Anchors (Guy)

Atlas Anchor Co., Cleveland, O.
Attica Foundry & Machine Co. ("Blaine"), Attica, O.
Aurora Specialty Mfg. Co. ("Samson"), Aurora, Ill.
Bennett, I. A. Co. ("Bull Tongue"), 90 S Van Buren, Chicago, Ill.
Cook, F. B., 240 W Lake, Chicago, Ill.
Crouse-Hinds Co. (Harpoon), Syracuse, N. Y.
Equipment Sales Co. ("Lucas"), Chicago, Ill.
Everetick Anchor Co., St. Louis, Mo.
Glase-Morris Mfg. Co. ("Gem"), Columbus, O.
Holden Anchor Co., Des Moines, Iowa.
Jackman, W. J. ("The Jack Anchor"), Lima, O.
Klein, Mathias & Sons, 78 W Van Buren, Chicago, Ill.
Matthews, W. N. & Bro. ("Matthews"), 206 N 2d, St. Louis, Mo.
Michigan Bolt & Nut Works, Detroit, Mich.
Miller Anchor Co. ("Miller" Safety), Norwalk, Ohio
Nagel, W. G. Electric Co. ("Hercules"), Toledo, O.
Phila Electl. & Mfg. Co. ("Pemco," Pole Guy Anchor), 1222 N 31st, Phila., Pa.
Polk, Robert W., Memphis, Tenn.
Specialty Sales Co. ("Neverstick"), Cedar Rapids, Iowa
Vote-Berger Co. ("D. & T."), La Crosse, Wis.
Wapak Hollow Ware Co., Wapakoneta, O.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Anchors (Rail)

(See also Creepers, Anti-Rail)

Burgess, B. ("Burgess" Wrecking), Danville, Ill.
Miller Anchor Co. (For Wrecking Derricks), Norwalk, O.
St. Louis Malleable Casting Co., St. Louis, Mo.
Scott Mfg. Co. ("Racine"), Racine, Wis.

Anchors (Rock)

Lana, M. & Sons, Carson & 29th, Pittsburg, Pa.

*Anchors (Screw, Expansion)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 90 West, New York. (See adv. index & branch offices, end of book)

Andirons

(See also Fire Place Furnishings)

Boston Brass Andiron Co. (Brass), 104 Utica, Boston, Mass.
Bradley & Hubbard Mfg. Co. (Brass), Meriden, Conn.
Elm City Brass & Rivet Co., Plainville, Conn.
Glascock Stove & Mfg. Co., Greensboro, N. C.
JACKSON, WM. H. COMPANY (Brass & Iron, 29 E 17th (Union Sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Janusch Mfg. Co. (Brass, Bronze & Iron), 496 E 134th, New York
Judd, H. L. Co., 87 Chambers, New York
Perelson, L. (Wrought Iron), 204 Centre, New York
Rose Bros. (Artistic Wrought Iron), 123 Bank, Cleveland, O.
Rostand Mfg. Co., Milford, Conn.
St. Louis Brass Mfg. Co., St. Louis, Mo.

Anemometers

Ainsworth, Wm. & Sons, Denver, Col.
Du Vivier, Ernest H. (Dial & Recording), 30 Church, New York
Keuffel & Esser Co., 127 Fulton, New York
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co. ("Biram" & "Robinson"), 963 Kent av, Brooklyn, N. Y.
Tagliabue, Chas. J. Mfg. Co., 51 Fulton, New York

Anglegraphs

Cassady-Fairbank Mfg. Co., Chicago, Ill.

Anglemeters

Sargent Steam Meter Co. ("Sargent" Indicator), 308 Dearborn, Chicago, Ill.

Aniline Colors & Dyes

Beach & Co., Hartford, Conn.
Berlin Aniline Works, 213 Water, New York
Bull's Ferry Chemical Co., Edgewater, N. J.
Casella Color Co., 182 Front, New York
Geisheimer & Co., 189 Front, New York
Heller, Mertz & Co., 22 Cliff, New York
Innis, Speiden & Co., 46 Cliff, New York
Kalbfleisch, Franklin H. Co., B'way & 16th, New York
Kalle & Co., 534 Canal, New York
Klipstein, A. & Co., 122 Pearl, New York
Kuttropf, Hartford & Hanna Co., Buffalo, New York
Thayer, E. M. & Co. (also Alizarine Colors), 411 Atlantic av, Boston, Mass.

Annealers (Wire)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)

Annealing

(See Case Hardening)

Annunciators

Ansonia Electrical Co., Ansonia, Conn.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Couch & Seeley Co., Boston, Mass.
Edwards & Co., 140th & Exterior, New York
Electric Goods Mfg. Co. ("Rose," "Dandy," "Perfect," "Rival," "Noxall," etc.), 115 Purchase, Boston, Mass.
ELEVATOR SUPPLY & REPAIR CO., 84 W Monroe, Chicago, Ill., & 136 Liberty, New York. (See adv. index, end of book)
Garl Electric Co., Akron, O.
Heath Electric Co. ("Ideal"), 336 Grand River av, Detroit, Mich.
Holtzer-Cabot Electric Co., Brookline, Mass.
Jones & Goss, Elec. Co., 62 Vesey, New York
Knickerbocker Elec. Co., 116 West New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Moon Mfg Co. ("Knapp," "Eclipse," "Acme"), 49 S Canal, Chicago., Ill.
Ostrander, W. R. & Co., 22 Dey, New York
Partrick, Carter & Wilkins Co. ("King," "Competition," "Guarantee"), 22nd & Wood, Phila., Pa.
Stanley & Patterson ("Simplex"), 23 Murray, New York
Star Electric Co., Binghamton, N. Y.
Western Electric Co. ("Etonia"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Annunciators (Automobile)

Champion, Albert Co. (Imported), 541 Tremont, Boston, Mass.
Cowles, C. & Co. (Inc.) ("Madison Square" & "Mechanics Hall"), New Haven, Conn.
Jones Speedometer Co., 127 W 32d, New York

Annunciators (Elevator)

(See Elevator Annunciators)

Annunciators (Hospital)

Holtzer-Cabot Electric Co., Brookline, Mass.

Anodes (Brass & Copper)

Hanson & Van Winkle Co., Newark, N. J.
Hudson Rolling Mill Co. (Copper), Bloomfield, N. J.
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
New Haven Copper Co. (Copper, Rolled Only), Seymour, Conn.
Matthews, H. A. Mfg. Co., Seymour, Conn.
Seymour Mfg. Co., Seymour, Conn.
Taunton-New Bedford Copper Co. (Copper), New Bedford, Mass.

*Anodes for Electro Plating

UNITED WIRE & SUPPLY CO. (In Gold & Silver), 109-119 Summer, Providence, R. I. (See adv. index, end of book)

Anodes (Gold & Silver)

Hanson & Van Winkle Co., Newark, N. J.
UNITED WIRE & SUPPLY CO., 109 Summer, Providence, R. I. (See adv. index, end of book)

Anodes (Nickel)

Auburn Soap & Chemical Co., Auburn, N. Y.
Dow Chemical Mfg. Co., Mansfield, O.
Hanson & Van Winkle Co., Newark, N. J.
Harshaw, Fuller & Goodwin Co. (And Salts), Cleveland, O.
Seymour Mfg. Co., Seymour, Conn.
Talcott, C. H. & Co. (& Salts), Hartford, Conn.
Wiarda, Jno. C. & Co., Brooklyn, N. Y.

Anti-Friction Metals

(See Bearings of Various Kinds; also Babbitt Metal)

Anti-Hums

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Dinsmore & Lawton ("D. & L"), 134 Van Buren, Chicago, Ill.
Howard Electric Co., 66 W Van Buren, Chicago, Ill.
Manhattan Electric Co., 17 Park pl., New York

Antimonal Lead

Beer, Sondheimer & Co., 42 B'way, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Antimony

American Metal Co., 52 B'way, New York
Atlas Chemical Co. ("Golden" Sulphuret of Antimony for Rubber Trade), Newtonville, Mass.
Beer, Sondheimer & Co., 42 B'way, New York
Blatchford, E. M. & Co., 70 Clinton, Chicago, Ill.
Cochrane Chemical Co., Boston, Mass.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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Harshaw, Fuller & Goodwin Co. (Metal, Needle & Oxide), Cleveland, O.
Hayman, Mich'l & Co., Buffalo, N. Y.
Hendricks Bros., 46 Cliff, New York
Hiertz Metal Co., 10th & Poepping, St. Louis, Mo.
Hill, Edw. & Sons, 71 Pine, New York
Hoyt Metal Co., 325 Locust, St. Louis, Mo.
Hungerford, U. T., Brass & Copper Co., 497 Pearl, New York
Hussey, C. G. & Co., 2850 2d av, Pittsburg, Pa.
LEAVITT, C. W. & CO. ("A. S. P." Brand, English, Metal, Crude & Oxide), 80 Church, New York. (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Nassau Smelting & Refining W'ks, 607 W 29th,
Peerless Alloy Co., Denver, Colo. New York
Raymond Lead Co., 51 W Lake, Chicago, Ill.
Tennant, C. Sons & Co. (Importers), 76 William, New York
French, C. S. & Co., 81 Fulton, New York
Trotter, Nathan & Co., 38 N Front, Phila., Pa.
Vogelstein, L. & Co., 100 B'way, New York
Waite, Ranlet & Co., Boston, Mass.
Wiarda, Jno. O. & Co., Brooklyn, N. Y.

Anti-Rattlers

Bauer Bros. Mfg. Co. ("Burton," "Higgin" & "Johnson"), Cincinnati, O.
Evans, Coppins & Starks Co. ("Star Quick Shift"), Princeton, Ill.
Fernald Mfg. Co. ("Burton," "Quick Shift," "Wire" & "Ladd"), North East, Pa.
Higgin Mfg. Co., Newport, Ky.
Kohler, F. E. & Co. ("Kohler"), Canton, O.
Metal Stamping Co. ("Johnson"), 243 West. New York
Monarch Carriage Goods Co. ("Handy"), Cincinnati, O.
Oneida National Chuck Co. ("National"), Oneida, N. Y.
PENNSYLVANIA RUBBER CO. (Rubber), Jeannette, Pa. (See adv. index & branch offices, end of book)
Racine Malleable & Wrought Iron Co. ("Whitney"), Racine, Wis.
Raymond Mfg. Co., Corry, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Tanner, D. F. ("Quick Shift"), Holland, N. Y.
United Globe & Rubber Mfg. Co., Trenton, N.J.

Anti-Spreading Devices

Niagara Forged Steel Co., Buffalo, N. Y.

Anvil, Vise & Drill

Millers Falls Co. (Inserted Steel Vise Jaws), 28 Warren, New York; Works: Millers Falls, Mass.

Anvil & Vise Combined

Adams, A. L., Cedar Rapids, Iowa.
Bloomfield Mfg. Co., Bloomfield, Ind.
Eagle Anvil, Vise & Rail Joint Works, Trenton, N. J.
Foos Mfg. Co. (Farmers), Springfield, O.
Fulton Iron Works ("Detroit," "Cheney"), Detroit, Mich.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Millers Falls Co., Millers Falls, Mass., & 28 Warren, New York
Parker, Charles Co., Meriden, Conn.
Porter, J. E. Co. ("Porters" Combination Vise Drill & Anvil), Ottawa, Ill.
Richardson Mfg. Co., Worcester, Mass.
Sovereign, C. E. Co., Rockford, Ill.
Stickler Hay Tool Co., Janesville, Wis.

Anvils

American Skein & Foundry Co. ("Badger"), Racine, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Columbian Hardware Co. (The "Columbian"), Cleveland, O., & 168 Church, New York
Columbus Forge & Iron Co. ("Trenton" Solid Wrought), Columbus, O.
Fisher & Norris ("The Fisher") (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, Hollands Mfg. Co., Erie, Pa. N. Y.
Illinois Iron & Bolt Co. ("Vulcan"), Carpentersville, Ill.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Russ, A. E. Mfg. Co., 87 Wade Park av, Cleveland, O.
Schreiber & Conchar Mfg. Co., Dubuque, Ia.
Southern Skein & Foundry Co. ("Southern"), Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Anvils (Bench)

Fisher & Norris ("Fisher" Screw) (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, Hollands Mfg. Co., Erie, Pa. N. Y.
Massachusetts Tool Co., Greenfield, Mass.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Phoenix Hardware Mfg. Co., Homer, N. Y.

Anvils (Farm)

Chicago Wheel & Mfg. Co., 330 W Monroe, Chicago, Ill.
Fisher & Norris ("Fisher"), Trenton, N. J.
Hay-Budden Mfg. Co, Brooklyn, N. Y.
Kupferle, Jno. C. Foundry Co., St. Louis, Mo.
Litchfield Mfg. Co., Waterloo, Ia.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Patten & Stafford Co., Canastota, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

Anvils (Jewelers')

Billings & Spencer Co. (With Base), Hartford, Conn.

Anvils (Paper Weight)

Wrightsville Hardware Co., Wrightsville, Pa.

Anvils (Plow)

Atha Tool Co., Newark, N. J.
Eagle Anvil, Vise & Rail Joint Works, Trenton, N. J.
Evansville Tool Works, Evansville, Ind.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Plumb, Fayette R., Pa. R. R. & Tucker, Fkd., Philadelphia, Pa.
Vaughn & Bushnell Mfg. Co. (Drop Forged), 875 W Carroll av, Chicago, Ill.

*Anvils (Pneumatic)

INGERSOLL-RAND CO. ("Foley"), 11 B'way, New York. (See adv. index & branch offices, end of book)

Apparatus for Making Rubber Stamps

Smith, R. H. Mfg. Co., 293 Main, Springfield, Mass

Aprons (Advertising)

Silver Springs Mfg. Co. (For Grocers & Hardware Men), Silver Springs, N. Y.

Aprons (Blacksmiths' Leather)

Beckman, Edmund C. ("Boss"), 712 N 4th St. Louis, Mo

Aprons (Canvas)

Page Belting Co., Concord, N. H.

Aprons (Condenser)

Norwich, Belt Mfg. Co., Norwich, Conn.

*Aprons (Flange)

BOSTON BELTING CO. (For Ore Concentrating Machines, etc.), 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)

Aprons (Leather)

Barnes, Henry K., 104 Franklin, Boston, Mass.
Beekman, Edmund C. ("Boss" Blacksmith, etc.), 212 N 4th, St. Louis, Mo.
Coupe, Wm. & Co. (Rawhide "Excelsior"), S Attleboro, Mass.
Firth, Wm. Co., 79 Milk, Boston, Mass.
HUDSON BELTING CO. ("Sheepskin"), Worcester, Mass. (See adv. index, end of book)
Helvetia Leather Co., Lancaster, Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Page Belting Co., Concord, N. H.
Pechin, Jno. W., 31 S 3d, Phila., Pa.
Turner, J. S. Mfg. Co., Lowell, Mass.

Aprons (Mechanics')

Troy Carriage Sun Shade Co. (Duck & Twill Carpenters & Workman's), Troy, O.
Walters, Wm. P. Sons (Duck), 1233 Market, Phila., Pa.

*Aprons (Paper Mill)

BOSTON BELTING CO. (Rubber), 260 Devonshire, Boston, Mass. (See adv. index, & branch offices, end of book)
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Aprons (Rain)

Automobile Equipment Co., Detroit, Mich.
Daugherty Mfg. Co. ("Storm King"), Columbus, Ohio
Everitt, B. F., 65 Fort E, Detroit, Mich.
Kroh, C. Z. & Co., Toledo, O.
Lembach Bros., 253 Jefferson av, Detroit, Mich.
Springfield Auto Top & Upholstering Co., Springfield, Mass.

Aprons (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Goodrich, B. F. Co., Akron, O.
Goodyear Rubber Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York

Aqua Fortis

Butterworth-Judson Co., Newark, N. J.
Cochrane Chemical Co., Boston, Mass.

Aquariums (Glass)

Co-Operative Flint Glass Co., Beaver Falls, Pa.

Arbors (Drill Chuck)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. (Arbors for Shell Reamers), Detroit, Mich.
Skinner Chuck Co., New Britain, Conn.
Trevor Mfg. Co. (Chuck), Lockport, N. Y.
Union Mfg. Co. ("Union"), New Britain, Conn.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Arbors (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Harrison & Knight Mfg. Co., Newark, N. J.
Owen Machine Tool Co., Springfield, O.
Union Twist Drill Co., Athol, Mass.

Arbors (Shell End Mill)

Union Twist Drill Co., Athol, Mass.

Arbors (Shell Reamer)

Cleveland Twist Drill Co., Cleveland, O.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co., 21st & Standish, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Rogers, John M., Gloucester City, N. J.
Standard Tool Co., Cleveland, O.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

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Arc Deflectors & Linings

Johns, H. W.-Manville Co. ("Electrobestos"), 100 William, New York
Rutherford, J. & Son ("Star" Deflector), Akron, O.

***Arc Welders (Electric)**

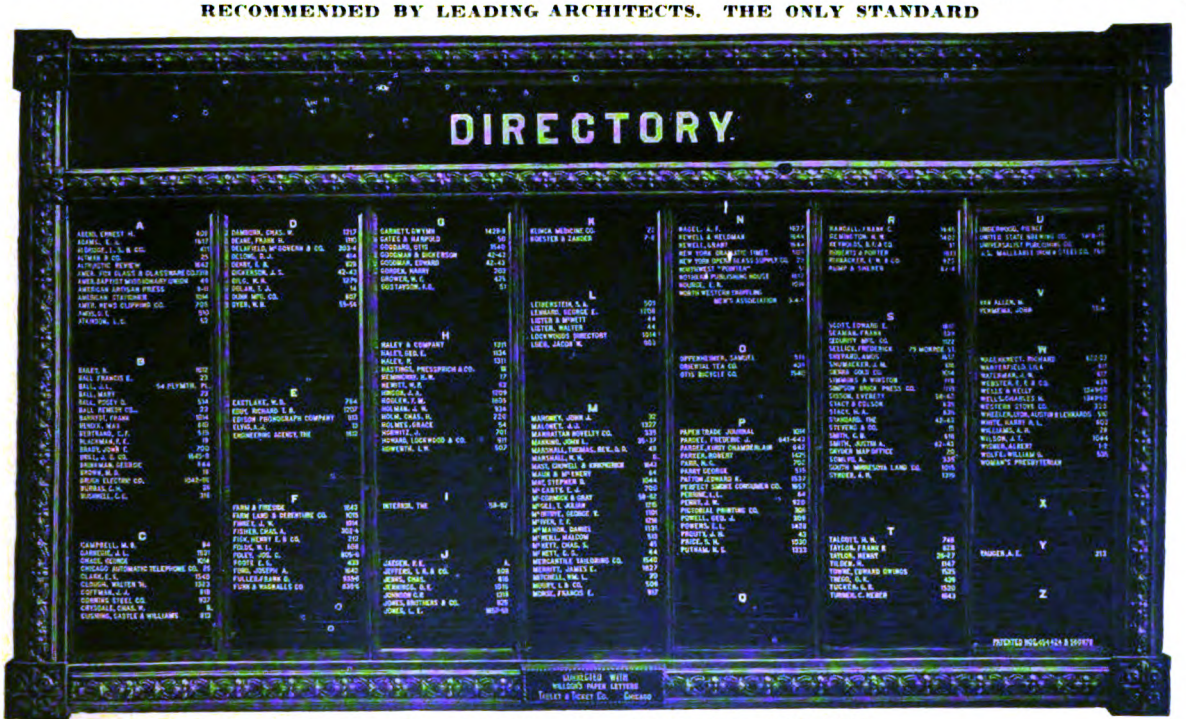
HOT SPRINGS—Van Patten, S. P.
LITTLE ROCK—Burton, P. V.
*Gibb & Sanders
Harber, H. J.
Maun, Geo. R.
*Thompson, Chas. L.
Whitehead, J. M.
MAGNOLIA—Jones, J. H.

Train & Williams, 254 S. B'way
Tyler, F. M., Laughlin bldg
Valk, L. B. Arch'l Co., Stimson bldg
Voelkel, G. E., 847 E. 20th
Wackerbath, August
Warner O. M., 739 Temple
Westberg, P. A., 256 S. Spring
Whittlesey, C. F. & Co., Auditorium

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SELMA—Hopson, Chas. H.
TUSCALOOSA—Donobo, C.
TUSKEGEE—Pitman, W. Sidney

ARIZONA TERRITORY.

PHOENIX—Gregg, A. W., O'Niel blk
TUCSON—Blount, Ely
Trost & Rust

ARKANSAS.

CENTER POINT—Isom, Wm.
FORT SMITH—Bashman, T. E., over Kress Co.
Blaisdell, F. M., Illinois bldg
Blakely, W. H., 9th & A
Chisholm, A. C., 801 Garrison av
Jennings, J. W. T., Amer. Nat'l B'k bldg
Klingensmith, A., Merchants' Nat. B'k bldg
Strong, E. A., Mer. Nat'l Bank bldg.

Morgan & White, 252 N. Main
Neher, Otto H., Pac. Elec. bldg
Newberry, W. A., 608 Main
Norton, S. T., 253 S. B'way
Pape, P. C., 608 S. Main
Parkinson & Bergstrom, Union Trust bldg
Parmentier, Fernand, Grant bldg
Patterson, H. M., 256 S. B'way
Preston, Thos., Currier bldg
Puttcamp, A. H., Severance bldg
Reeves, H. Allen, Cham. of Com. bldg
Reeves, Wm. H.,
Rittenhouse, C. C., 206 S. Spring
Roberts, J. W., 426 S. Spring
Roehrig, Frederick L., 253 S. B'way
Rosenheim, Alfred F., H. W. Hellman bldg
Saunders, W. J., Mason bldg
Scott Bros., Chamber of Commerce
Shattuck & Brown, Mason bldg
Simons, F. E., 1194 E 34th
Skilling, Chas. F., Bradbury bldg
Smith, A. C., 307 S. B'way
Smith, J. C., 106 W. 3d
Soper, Fred J., Pacific Elec. bldg

Bolles, Edward G., 68 Post
Bugbee, Maxwell G., 127 Montgomery
Burgren, Albert W., 222 Kearny
Burnham, D. H. & Co., Merchants Exch bldg
Butterworth, Thos. C., 850 Treat av
Cahill, B. J. S., 571 California
Cantin, A. A., Phelan bldg
Carey, Jno W., Mills bldg
Carter & Foley, Claus Spreckles bldg
Childs, Elmer E., Phelan bldg
Chivers, Herbert C. Co., Claus Spreckles bldg
Chivers & Carson, 1627 Sutter
Christensen, B. R., Pacific bldg
Coffey, Alfred J., Humboldt bldg
Colley, Chas. J., Pacific bldg
Cornelius, A. W., Metrop. Bank bldg
Coulter, Norman R., 943 Van Ness
Coxhead & Coxhead, 787 Market
Crim & Scott, 425 Kearny
Cunningham & Politeo, Chronicle bldg
*Curlett, Wm. & Son, Phelan bldg

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Harshaw, Fuller & Goodwin Co. (Metal, Needle & Oxide), Cleveland, O.
Hayman, Mich'l & Co., Buffalo, N. Y.
Hendricks Bros., 46 Cliff, New York
Hiertz Metal Co., 10th & Poepping, St. Louis, Mo.
Hill, Edw. & Sons, 71 Pine, New York
Hoyt Metal Co., 825 Locust, St. Louis, Mo.
Hungerford, U. T., Brass & Copper Co., 497 Pearl, New York
Schreiber & Conchar Mfg. Co., Dubuque, Ia.
Southern Skein & Foundry Co. ("Southern"), Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Anvils (Bench)

Fisher & Norris ("Fisher" Screw) (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
Hay Tool Co., Janesville, Wis.

Anvils

American Skein & Foundry Co. ("Badger"), Racine, Wis.
Irwin, Tuthill & Bolton, Grand Rapids, Mich.
Columbian Hardware Co. (The "Columbian"), Cleveland, O., & 168 Church, New York
Columbus Forge & Iron Co. ("Trenton" Solid Wrought), Columbus, O.
Fisher & Norris ("The Fisher") (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Hollands Mfg. Co., Erie, Pa.
Illinois Iron & Bolt Co. ("Vulcan"), Carpentersville, Ill.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Russ, A. E. Mfg. Co., 87 Wade Park av, Cleveland, O.
Helvetia Leather Co., Lancaster, Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Page Belting Co., Concord, N. H.
Pechin, Jno. W., 31 S 3d, Phila., Pa.
Turner, J. S. Mfg. Co., Lowell, Mass.

Aprons (Mechanics')

Norwich Belt Mfg. Co., Norwich, Conn.

*Aprons (Flange)

BOSTON BELTING CO. (For Ore Concentrating Machines, etc.), 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)

Aprons (Leather)

Barnes, Henry K., 104 Franklin, Boston, Mass.
Beekman, Edmund C. ("Boss" Blacksmith etc.), 212 N 4th, St. Louis, Mo.
Coupe, Wm. & Co. (Rawhide "Excelsior"), S Attleboro, Mass.
Firth, Wm. Co., 79 Milk, Boston, Mass.
HUDSON BELTING CO. ("Sheepskin"), Worcester, Mass. (See adv. index, end of book)
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co., 21st & Standish, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Rogers, John M., Gloucester City, N. J.
Standard Tool Co., Cleveland, O.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

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Johns, H. W.-Manville Co. ("Electrobestos"), 100 William, New York
Rutherford, J. & Son ("Star" Deflector), Akron, O.

*Arc Welders (Electric)

ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)

*Architect & Builder Supply Emporium

SOLTMANN, E. G.

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(Firms who describe themselves as Architects and Builders are indicated by a Dagger (†)

ALABAMA.

ANNISTON—Carleton, Chas. W.
BIRMINGHAM—Breeding, H. D., Watts bldg
Chaffee, W. C., Jefferson Co. Sav. Bank bld
Chamberlin Archt'l Co., McCoy bldg
Colligon & Posey
Holmich, D. A., Hood bldg
Johnson, E. C., 1929 2d av
La Belle-Kribs Co., Hood bldg
McCain, J. W., 213½ N 20th
Maddox, J. M., 2021 1st av
Miller & Martin, Title Guarantee bldg
Posey, R. E., Jefferson Co. Sav. Bk. bldg
Putnam, J. L., 216 N. 21st
Rayfield, W. A. & Co., Mason bldg
Ryan & Son, Hood bldg
Smith & Carter, Vandiver bldg
Spink, W. E., Title Guarantee bldg
Warren & Welton, Title Guarantee bldg
Weston, Wm. C., 1st Nat'l Bank bldg
*Wheelock, Joy & Wheelock, Steiner bldg
Whilldon, D. O., Title Guarantee bldg
EUFAULA—Britt Bros.
Multhrop, R. J.
HUNTSVILLE—Hulburt, Geo. D.
Lockwood & Seymour
Mayhew, J. H.
MOBILE—Aubelus, Edw., Van Antwerp bldg
Benz, Rudolph & Son, Masonic Temple
Belle Edw. F., Van Antwerp bldg
Biggers, Willis R., 45 N. Royal
Downey & Denham, 110 E St. Francis
Hutchinson & Garvin, 82 St. Francis
Klepper, Frederick
Klett, Wm., City Bank bldg
McCrary & Slater, Pollock bldg
Rogers, Geo. B., Van Antwerp bldg
Stone Bros., Lowenstine bldg
MONTGOMERY—Cox, W. N., 21 Dexter av
Dirmeyer, C. E., 27 Commerce
Lockwood, Frank, 121 Adams
Okel & Cooper, Vandiver bldg
Smith, B. B., 22 S. Perry
Whaley, R. S., 414 S. Decatur
ROANOKE—Turbeville, D. K.
SELMA—Hopson, Chas. H.
TUSCALOOSA—Donoho, C.
TUSKEGEE—Pitman, W. Sidney

ARIZONA TERRITORY.

PHOENIX—Gregg, A. W., O'Niel blk
TUCSON—Blount, Ely
Trost & Rust

ARKANSAS.

CENTER POINT—Isom, Wm.
FORT SMITH—Bashman, T. E., over Kress Co.
Blaisdell, F. M., Illinois bldg
Blakely, W. H., 9th & A
Chisholm, A. C., 801 Garrison av
Jennings, J. W. T., Amer. Nat'l B'k bldg
Klingensmith, A., Merchants' Nat. B'k bldg
Strong, E. A., Mer. Nat'l Bank bldg.
HOT SPRINGS—Van Patten, S. P.
LITTLE ROCK—Burton, P. V.
*Gibb & Sanders
Harber, H. J.
Mann, Geo. R.
*Thompson, Chas. L.
Whitehead, J. M.
MAGNOLIA—Jones, J. H.
MENA—Klein &Depew
TEXARKANA—Stewart & Witt

CALIFORNIA.

ALAMEDA—Burkhard, P. E., 1418 Park
Pizzigorie, Henry, 2109 Pacific av
Wilcox, W. H., 1711 Central av
ALTADENA—Reeves, William H.
BERKELEY—Chadwick, J., 2049 Center
Cumming & Weymouth, 1st Nat'l B'k bldg
Helms, W. C., Ramona av
Hotchkiss, Robt. B., 1415 Milvia
Kaiser, C. S., Studio bldg
Kock, Stanley P., 2230 Cal.
Mallett, Fowler, 2335 Warring
Plowman, G. T., Studio bldg
Ratcliff, W. H., 1st Nat'l Bank bldg
Thomas, Jno. H., Studio bldg
CORONA—Kroonen, Leo
FRESNO—Kirby, C. K., Jr., Forsyth bldg
Mathewson, E., Forsyth bldg
Swartz, A. C., Fiske bldg
Thomas, H. A., Forsyth bldg
FULTON—Shriner & Le May
GILROY—Campbell, C. L.
HERALDSBURG—Terry, J. W.
LONG BEACH—Starbuck & Ridgway
LOS ANGELES—Acker, A. L., 228 W. 4th
Albright, Harrison, Homer Laughlin bldg
Austin, J. C., Pacific Electric bldg
Barker, N. D., 122 W. 3d
Benton, A. B., 114 N Spring
Bliesner, W. J., 211 W 1st
Brown, C. H., 516 Stimson blk
Brown F. P., 608 S. Main
Burnham, F. P., 608 S. Main
Burton, J. Lee, Germain bldg
Cook, J. B., 709 S. Spring
Costerisan, G. F., 122 W. 3d
Dennis & Farwell, Currier bldg
Dorn, Fred R., 257 S. Spring
Dudley, Alpheus, Mason bldg
Dwight, H. H., Fay bldg
Edelman & Barnett, 233 S. B'way
Ehlers, P. W., 218 S. B'way
Eisen, Theo. A., Wilcox bldg
Farquhar, R. D., 326 W. 3d
Field, P. H., 232 S. Hill
Fitzhugh, Thornton, Laughlin bldg
Fripp, R. Mackey, 227 Mercantile pl
Garrett & Bixby, Currier bldg
Goodale, O. E., O. T. Johnson bldg
Haley, A. L., 103 W. 3d
Hebert, Maurice, Wright & Callender bldg
Heinlein, Fredk, 218 S. B'way
Helmle, C. F., 122 W. 3d
Howard, G. A., Jr., Grant bldg
Hubbell, C. E. W., 156 N. Spring
Hudson & Munsell, 256 S. Spring
Hunt & Eager, Laughlin bldg
Hunt & Grey, 408 S. Spring
Keel, J. R. & Co., Mason bldg
Kelly, A. R., 608 S. Main
Kendall, Edw. Co., 212 W. 3d
Kent, E. C., Grant bldg
Krause, J. W., 127 S. B'way
Kremple, J. P., 415 Henne bldg
Lee, Miss R. B., 4421 S. Vermont av
Long, U. O., 608 S. Main
Lourdou, F. X., 222 N. Main
MacGeorge, C. H., 218 S B'way
Maginnis, Walsh & Sullivan, 106 W. 3d
Marsh & Russell, Stimson bldg
Martin, M. P., 315 S. B'way
Mohr, W. H., Laughlin bldg
Moore, Lester S., Grant bldg
Morgan & Walls, 232 N. Main
Neher, Otto H., Pac. Elec. bldg
Newberry, W. A., 608 Main
Norton, S. T., 253 S. B'way
Pape, P. C., 608 S. Main
Parkinson & Bergstrom, Union Trust bldg
Parmentier, Fernand, Grant bldg
Patterson, H. M., 256 S. B'way
Preston, Thos., Currier bldg
Puttcamp, A. H., Severance bldg
Reeves, H. Allen, Cham. of Com. bldg
Reeves, Wm. H.,
Rittenhouse, C. C., 206 S. Spring
Roberts, J. W., 426 S. Spring
Roehrig, Frederick L., 253 S. B'way
Rosenheim, Alfred F., H. W. Hellman bldg
Saunders, W. J., Mason bldg
Scott Bros., Chamber of Commerce
Shattuck & Brown, Mason bldg
Simons, F. E., 1194 E 34th
Skilling, Chas. F., Bradbury bldg
Smith, A. C., 307 S. B'way
Smith, J. C., 106 W. 3d
Soper, Fred J., Pacific Elec. bldg
Train & Williams, 254 S. B'way
Tyler, F. M., Laughlin bldg
Valk, L. B. Arch'l Co., Stimson bldg
Voelkel, G. E., 847 E. 20th
Wackerbath, August
Warner, O. M., 739 Temple
Westberg, P. A., 256 S. Spring
Whittlesey, C. F. & Co., Auditorium
Wilson & Barnes, 212 Mercantile Pl
Wyman, G. H., Henne bldg
Young, R. B., 126 W. 3d
Zeller, J. T., 123 W 31st
LOS GATOS—Cutter, Wm. H.
Lobdell, Frank
NAPA—Corbett, W. H.
Turton, L. M.
NEVADA CITY—Tomkins, O. A.
OAKLAND—Abbott, Wm., Bacon bldg
Alder, A. V., 1068 Broadway
Bermingham, T. W., 4401 Telegraph av
Bowser, A. M., 969 B'way
Brown, A. V., 914 E. 16th
Chivers, Herbert C. Co., Key Route Inn
Conant, John, 530 13th
Cook, Christopher M., Central Bank bldg
Deull, D. V., 578 9th
Dickey, T. W., Oakland Bank bldg
Forward, H. E., 203 Walsworth av
Holden, J. M., 1627 9th av
Irwin, Isaac, 1857 13th av
Kempf, H. A., 412 E. 18th
Knowles, Wm., Un. Saving Bank bldg
Linquist & Cederberg, 1055 Poplar
McCall & Whyte, Central Bank bldg
Matthews, W. J., 969 B'way
Mau, C. F., Macdonough bldg
Morgeneir & Drew, 36 Telegraph av
Newsom, J. C., Bacon bldg
Newson, T. D., 906 B'way
Reed, H. J. P., 465 48th
Ripley & Reynolds, Central Bank bldg
Schetzel, M. P., 906 B'way
Smith, A. W., 1004 B'way
Soderberg, Fred, Union Sav. Bank bldg
Starbuck, H. F., Macdonough bldg
Storch, H. W., 3112 E. 14th
Voorhees, F. D., Central Bank bldg
ORANGE—Bradshaw, C. B.
PALO ALTO—Olive, LeBown R.
Walker, R. H.
PASADENA—Allen, F. S.
Blick, Jas.
Buchanan, Chas. W.
Driscoll, Chas. F.
Edwards, W. B.
Greene & Greene
PLEASANTON—Weilbye, J. L.
POMONA—Davis, Ferdinand
Wolfe, Chas. E.
REDLANDS—Harris & Pratt
RIVERSIDE—Waldman, L. C.
SACRAMENTO—Campell, Alden W., Casey bldg
Herold, R. A., Bryte bldg
Schardin, F. H., Gerber bldg
Seadler & Hoen, Gerber bldg
SAN DIEGO—Clements, G. C. & Co.
Gill, Irving J.
Kennedy & Craine
Quayle, Edw.
Stannard, J. B.
SAN FRANCISCO—Allen, Harris, Humb't B'k
Antonovitch & Cleghorn, 333 Kearney bldg
Applegarth, G. A., Claus Spreckles bldg
Armitage & Rowell, Bush & Kearney
Bakewell & Brown, 417 Montgomery
Banks & Copeland, 333 Kearney
Barnett, A. J., 414 Hermann
Barrett, Chas. H., 417 Montgomery
Barth, Hermann, 12 Geary
Berger, G. A., 736 Octavia
Blaikie, Wm. B., Phelan bldg
Blaisdell, Nathaniel, 225 California
Bliss & Faville, Balboa bldg
Boese, Fred'k D., 45 Kearney
Bolles, Edward G., 68 Post
Bugbee, Maxwell G., 127 Montgomery
Burgren, Albert W., 222 Kearny
Burnham, D. H. & Co., Merchants Exch bldg
Butterworth, Thos. C., 850 Treat av
Cahill, B. J. S., 571 California
Cantin, A. A., Phelan bldg
Carey, Jno W., Mills bldg
Carter & Foley, Claus Spreckles bldg
Childs, Elmer E., Phelan bldg
Chivers, Herbert C. Co., Claus Spreckles bldg
Chivers & Carson, 1627 Sutter
Christensen, B. R., Pacific bldg
Coffey, Alfred J., Humboldt bldg
Colley, Chas. J., Pacific bldg
Cornelius, A. W., Metrop. Bank bldg
Coulter, Norman R., 943 Van Ness
Coxhead & Coxhead, 787 Market
Crim & Scott, 425 Kearny
Cunningham & Politeo, Chronicle bldg
*Curlett, Wm. & Son, Phelan bldg

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Cuthbertson, W. J., 328 Montgomery
Day, Clinton, Union Trust bldg
Deane, Lionel, Phelan bldg
Demartini, Paul, 69 Montgomery av
Denke A. Reinhold, Humboldt Bank bldg
Devlin, Chas. J. I., Phelan bldg
Devlin, Leo J., 145 Buena Vista av
Dickie, Chas. W., Balboa bldg
Dodge, G. A., 244 Kearny
Dolliver, J. W., Marine bldg
Droit, T. C., Angelo Bank bldg
Dunkerley, Victor, 704 Market
Dutton, L. B., Chronicle bldg
Ehrenpfort, Arthur T., 235 Montgomery
Everett, Oliver, 1940 Webster
Fabre & Mohr, Pacific bldg
Farr, Albert, 68 Post
Faville, W. B., Balboa bldg
Flotron, P. E., Pacific bldg
Freeman, J. Eugene, Kohl bldg
Frye, Chas. C., Crocker bldg
Garin, E. A., 37 Belvedere
Geilfuss, Henry & Son, 150 Fulton
Hart, Ralph W., 417 Montgomery
Hatch, John D., Humboldt Bank bldg
Haupt, Oscar, Humboldt Bank bldg
Havens & Toepke, Mutual Sav. Bank bldg
Hays, Wm. C., 68 Post
Hedger, Henry A., 1608 Golden Gate av
Heide & Evermann, 58 2d
Herman, Emil A., Russ bldg
Hildebrand, E. H., Crocker blg
Hind, W. G., Humboldt B'k bldg
Hladik & Thayer, Pacific bldg
Hobart, Lewis P., Crocker bldg
Hodges, Charles E., Monadnock bldg
Hoff & Hoff, 1673 Mission
Holland, Frank S., Humboldt Bank bldg
Howard & Galloway, 604 Mission
Jacobs, Alfred Henry, 20 Montgomery
John, Emil, Monadnock bldg
John & Schmidlin, Monadnock bldg
Jordan, Chas.
Kidd & Anderson, 235 Kearny
Kneiling, A., Union Trust bldg
Knowles, Wm., Mutual Sav. Bank bldg
Koenig, Wm., Phelan bldg
*Kollofrath, Edmund, Phelan bldg
Krafft, Julius E. & Sons, Phelan bldg
Kuhl, H., Humboldt Bank bldg
Laib, Arthur J., Russ bldg
Lamb, Arthur H., Metropolitan Bank bldg
Lampe, Ralph C., 750 Sanchez
Lansberg & Joseph, Gunst bldg
Lelardoux, P., 1449 Greenwich
Lemme, Emil S., Phelan bldg
Lenzen, Theo W., Humboldt Bank blg
Leonard, Jos. A., Humboldt Bank bldg
Lichtenstein, Milton, 111 Ellis
Lutgens, A. C., 1700 California
Lyon, Moses J., 127 Montgomery
McCrea, Geo. E., 128 Sutter
McDougall, Benj. G., Sheldon bldg
McDougall Bros., Russ bldg
McNally, C. S., Metropolitan bldg
MacDonald & Applegarth, Claus Spreckles bldg
Mackay, Henry S., 348 Pine
Maggs, Herbert B., 233 Sansome
Mahoney, W. C., 328 Montgomery
Maritzen, August, 1226 Page
Martens & Coffey, Humboldt Bank bldg
Mastropasqua, Louis, Monadnock bldg
Mathews, Edgar A., Phelan bldg
Maybeck, Howard & White, Lick bldg
Meussdorffer, Conrad A., Humboldt B'k bld
Meyer, Fred. H., Humboldt Bank bldg
Meyers & Ward, Kohl bldg
Miller, J. R., Lick bldg
Miller, W. J., Oscar Luning bldg
Milwain Bros., Phelan bldg
Mitchell, W. Garden, Monadnock bldg
Mooser, Wm., Union Trust bldg
Morgan & Hoover, Merchants' Exch. bldg
Mullgardt, Louis C., Chronicle bldg
Murdock & Smith, 208 Market
Newman, W. A., U. S. Public bldgs
Newsom, Sam'l & Sidney B., Humboldt B'k bldg
Nickerson, Fred'k, 460 Market
Nordin, August, Mills bldg
O'Brien Bros. (Inc.), Clunie bldg
O'Brien, Smith, Humboldt Bank bldg
O'Brien & Werner, 68 Post
Oliver, Foulkes & Kaiser, Crocker bldg
Overman, Phillip, Shreve bldg
Paff, Chas. & Co., Merchants Exch blg
Parker, Walter H., Marston bldg
Pelton, Jno. Cotter, Russ bldg
Pissis, Albert J., Flood bldg
*Reid Bros., Claus Spreckles bldg
Remmel, B. E., Russ bldg
Rhodes, William S., 3372 16th
Righetti & Kuhl, Humboldt B'k bldg
Rixford, Loring P., Mills bldg
Roberts, J. L., Lick bldg
Ross, Thos. Patterson, 222 Kearny
Rowell, J. W., Bush & Kearny
Rousseau, Chas. J., 1490 California
Rousseau, A. F. & C. M., 2200 Pine
Rushforth, Geo., 571 Canal
Ryland, C. T., 2095 Bush
Salfield & Kohlberg, 353 Kearny
Sawyer, Houghton, Shreve bldg
Schmidlin, M. A., Monadnock bldg
Schmolle, W. L., 68 Post
Schnaittcher, Sylvian, 787 Market
Scholz, Arthur G., 16th & Mission
Schroepfer, Albert, 68 Post
Schulze, Henry A., 24 Canal
Scott, E. B., 425 Kearny
Sellon & Hemmings, 251 Kearny
Sexton & Nicholson, Chronicle bldg
Shea, W. D. Co., 350 Larkin
Shea & Lofquist, 550 Montgomery
Shermund, Henry, Mills bldg
Smith, Thomas, Lick bldg
Stone & Smith, Mechanics B'k bldg
Sutton & Weeks, Mutual Sav. Bank bldg
Tennler & Weisman, Pacific bldg
Traphagen, O. G., 244 Canal
Trowbridge & Livingston, Crocker bldg
Van Benthuysen, Boyd, 460 Market
Van Trees & Hildebrand, Crocker bldg
Vogel, Edward J., Shreve bldg
Ward, Clarence R., Kohl bldg
Weeks, W. H., Cochrane bldg
Welsh & Carey, Mills bldg
White & Schumacher, 45 Kearny
Whittlesey, Charles F., Pacific bldg
Woollett, W. L., Monadnock bldg
Wright, Rushford & Cahill, 571 California
Young, Edw. E., 35 Montgomery

STANFORD UNIVERSITY—Hodges, Chas. E.

SAN JOSE—Binder, Wm., Rea bldg
Klinkert, Wm., Ryland bldg
Lenzen, Jacob, 75 E St., Clara
Lenzen & Son, 110 S 2d
Page, Geo. W., Rea bldg
Phillips, W. C., 384 N 6th
Wolfe & McKenzie, Smout bldg

SAN RAFAEL—Schlosser, Henry

SANTA ANA—Bithers, A. S.

SANTA BARBARA—Curletti, J. L.
Higginson & Ray
Nixon, Thos.
Wilson, Francis W.

SANTA CRUZ—Van Cleeck, E. L.

SANTA MARIA—Doom, G. M.

SANTA ROSA—Patton Bros.

STOCKTON—Brown, E. B.
King, Walter
Wood, W. E.

COLORADO.

BOULDER—Craig, C. H.
Redding, Wm. & Son
Saunders, Arthur E.
Shockley, I. T.
Wright, C. H.

CANON CITY—Jensen, A. C.

COLORADO SPRINGS—Barber, T.P., B'k bldg
Bryson, Geo. M., Hagerman bldg
Douglas & Heatherington, Out West bldg
Hastings, Frederic R., 22 N. Tejon
MacLaren & Thomas, Bank bldg
Pease, L. A., Reed bldg
Van den, Arend N., Hagerman bldg

DENVER—Baack, F. W., 807 17th
*Baerresen Bros., Mack bldg
Bailey, Howard S., 910 Equitable bldg
Benedict, J. B., Ernest & Cranmer bldg
*Bettcher, George L., Mack bldg
*Biscoe & Hewitt, 25 E. 18th av
Child, W. T., Evans blk
Consolidated Engineering Co., Boston bldg
*Cowe, Wm., 510 Mack blk
†Dryden, D. W., Temple Court
Eagleton & Mountjoy, Empire bldg
*Eberley, F. C., Good blk
Edbrooke, F. E. Architect Co., 510 Opera House blk
*Edwards, W. Harry, 1715 California
*Fallis & Stein, Colorado bldg
*Fisher, Wm. E. & Bro., Rail. Ex. bldg
Frank, H. C., Majestic bldg
French, P. M., Empire bldg
Gates Bros., Ideal bldg
Goodnow, Franklin, Bank bldg
*Gove & Walsh, Bank bldg
*Harnois, F. Louis, 100 E. 16th av
Huddart, John J., 42 Bank bldg
*Huntingdon, G. W., McPhee bldg
Kilroy Jno. C., Carlton Hotel bldg
McIntyre, Thos. W., El Paso bldg
*Marean & Norton, Shirley Annex
Miller, L. Valentine, 1513 Stout
Moorman, E. H., Ideal bldg
*Murdoch, Jas., 610 Mack bldg
Patton, G. A., Empire bldg
Phillips, Richard, Jackson bldg
Reynolds, A. W., Majestic bldg
Rice, W. L., Mack bldg
*Roeschlaub, Robt. S. & Son, 52 King blk
Smith, C. W., Temple Court
†Snell, Frank S., Commonwealth bldg
*Sterner & Williamson, Jackson bldg
Taylor, Wilford H., 1433 Temple Place
Varian & Varian, Colburn bldg
*Wagner & Manning, Majestic bldg
Ward, C. F., Empire bldg
Wieger, T. Robt., 628 E. 14th
†Wilson, Jos., 711 17th

DURANGO—Smith, Silas W.
Tiffany, J. E.

FORT COLLINS—Fuller, M. W.
Williams, E. Francis

GLENWOD SPRINGS—Rosenberg, Theo.

GRAND JUNCTION—Boyer, J. B.
†Wells, P. A.
Wilson, J. R.

GREELEY—Foulk, S. W. & Son

HOWARD—Miller, K. H.

LA JUNTA—Kranz Bros.

PUEBLO—*Cooper & Robertson
Fry, Wm. A.
Gile, J. M.
*Roe, Geo. W.

ROCKY FORD—Burnett & Richardson

SALIDA—†Anderson, C. J.

SILVERTON—Dale, Chas.

TRINIDAD—Conkie, Jno.
Rapp, I. H. & W. M.

CONNECTICUT.

BRIDGEPORT—Asheim, Leonard
Beardsley, C. T. Jr., 155 State
Beckwith & Jackson, Arcade bldg
*Briggs, Warren R., 946 Main
Cooper, F. A., 1217 Main
Howe, H. A., Jr., 211 State
Jayne, Anselm F., 152 Frank
Lambert, Hy. A., Fairfield av
Lamson, Harrison, 2009 North av
Northrup, Jos. W., Court Ex. Bldg.
O'Brien, Jos. A., 157 State
Southey, Ernest G., Broad st.

BRISTOL—Stewart, C. W.

DANBURY—†Blackman, W. B.
Bunnell, John L.
Foster Bros.
Sutherland, Philip

DERBY—Reilly, Dennis E.

EAST HADDON—Morgan, Geo. W.

FAIRFIELD—Kelley, C. H.

GRANBY—Shattuck, A. D.

HARTFORD—Allen, Isaac A., Jr., 904 Main
Barker, Russell, F., 49 Pearl
Bayley, L. D., 839 Main
Becker, Willis E., 847 Main
*Brocklesby & Smith
Curtis, H. J., 61 Imlay
Curtis, H. J., 26 State
Davis & Brooks, 49 Pearl
Dwyer & McMahon, 36 Pearl
Gilbert, George H., 67 Willard
*Hapgood, Edw., 36 Pearl
Johnson, Wm. D., 26 State
*Keller, Geo., 11 Park Terrace
O'Donohue, M., 87 Hawthorn
§Scoville, A. W., 756 Main
§Scoville, William H., 720 Main
Sellers, B. A., 756 Main
Smith & Des Champs, 93 Barker
§Svenson, Chas., 54 Woodbine
Whitmore, Chas. O., 75 Pratt
Whiton, Frank W., 118 Capen
Zunner, Geo., 756 Main

JEWETT CITY—Palmer, Jas.

MERIDEN—Bloomfield, David
Palmer, Chas. S.

MYSTIC—Greenman, G. B.
Rathbone, John S.

NAUGATUCK—Clark, F. Alton

NEW BRITAIN—Cadwell, Wm. H.
Crabtree, Walter P.
McCarthy, John J.
Slater, Frank
Unkelbach, Max J.

NEW HAVEN—Allen & Williams, 82 Church
Berger, C. E., 29 Nash
Brown, Frank E., 116 Church
Brown & Von Beren, 865 Chapel
Doherty, Timothy F., 195 Poplar
Foote & Townsend, 902 Chapel
Joy, Chas. E., 902 Chapel
Richards, B. F., 65 Main. W. H.
*Robinson, Leoni W., 865 Chapel
Sellers, Phillip, 756 Chapel
Sperry Engineering Co., 82 Church

NEW LONDON—Donnelly, D. St. C.
Duffy & George
Sweeney, James

NEW MILFORD—Birdsell, Christopher

NORWALK—(See South Norwalk)

NORWICH—Cudworth & Woodworth, 148 Main
Hiscox, Jas. A., 37 Franklin
Preston, C. H., 43 B'way

PUTNAM—Corbin, E. M.

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ROCKVILLE—McCrary, J. H.
SOUTH NORWALK—Banks, John W., East Norwalk
Hamilton, John A.
Hoyt, D. E.
Minor, Henry R.
Morehouse, Ferris S.
Paddock, A. N., East Norwalk
STAFFORD SPRINGS—Converse, Albert
STAMFORD—Emmons, Nelson
Hallett, Wm. T., Whitney bldg
Hoefer, H. Wm., 963 E. Main
Marvin, Henry, Burlington Arcade
Morrell, C. Edwin, 176 Atlantic
TORRINGTON—Clinton, G. R.
Racheter, T. A.
Waterbury, E. H.
WALLINGFORD—Becroft, Wm. E.
WATERBURY—Bailey, Chas. J., 63 Bank
Benedict, E. E., 51 Leavenworth
Duhaime, John B., 95 Bank
Freney & Jackson, 51 Leavenworth
Griggs & Hunt, 51 Leavenworth
Peck, Theo. B., 65 Bank
Smith, Joseph T., 36 N Main
Walsh, Louis A., 51 Leavenworth

DELAWARE.

GEORGETOWN—Jones, C. R.
WILMINGTON—Brinckly, Wm. D., Equitable bldg
Brown, Walter S., Ford bldg
Cloud, Newton H., 838 Market
Hill, Harry A., Ford bldg
Hope & Tissel, 813 Dupont
Thompson, Jno. D. Jr., Ford bldg
Tindall, Roscoe C., Equitable bldg

DISTRICT OF COLUMBIA.

WASHINGTON—Ash, Percy, Home Life bldg
Atkinson, Fred'k G., 642 9th, N E
Beers, Albert H., 1383 G, N W
Boal, Theo. D., 1725 H, N W
Brooke, Fred'k H., Hibbs bldg
*Brown, Glenn, 606 17th, N W
Brown, Ward, 1725 H, N W
Clark, Appleton P., 606 F, N W
Conover, Harry F, 1121 I, N W
Cooper, George S., 1413 G, N W
Davis, Wm. T., Stewart bldg
de Sibour, Jules H, Hibbs bldg
Desses, Leon E., 1421 F, N W
Didden, C. A. & Sons, Corcoran bldg
Dodge, Chas. C., 1419 G, N W
Fisher, Henry, 20 Lanier PL
Fitzsimmons, A. B., 2112 R, N W
Fletcher, Fred'k A., 1413 G, N W
Fuller, Thos. J. D., 813 15th, N W
Germuller, Julius, 456 La. av, N W
Goenner, Albert, 35 B, N W
Gregg, Chas., 1320 New York av, N W
Grimm, Nich. R., 625 F, N W
Haller, Nicholas T. Co., Corcoran bldg
*Harding & Upman, 729 15th, N W
Harkness, Chas. A., 1026 25th, N W
Heaton, Arthur B., 1319 F, N W
Hensey, Melville D., 1300 F, N W
*Hill & Kendall, Corcoran bldg
*Hornblower & Marshall, 1516 H, N W
Hunter & Bell, 518 10th, N W
Jackson, Frank H., 1419 G, N W
Keene, Chas., 1410 H, N W
*Keferstein, Carl B., Home Life bldg
Lankford, John A., 317 6th, N W
Lepley, M. G., 1301 G, N W
Lindsey, Arthur R., Kenilworth
Mactier, Henry, 1424 New York av, N W
*Marsh & Peter, 520 13th, N W
Meyers, B. Frank, Bond bldg
Milburn, F. P. & Co. (Inc.) Home Life bldg
Morrill, Milton D., Corcoran bldg
Mullett, A. B. & Co., Union Trust bldg
Palmer, Wm. J., Warder bldg
Pelz, Paul J., Corcoran bldg
Pierson, Frank G., 1355 Oak, N W
Pittman, W. Sidney, 494 La. av, N W
Plager, Wm. S., 3 B, N W
Pohl, George R., 2009 12th, N W
*Poindexter, Wm. M., 806 17th, N W
Pratt, Henry C., 1517 H, N W
*Pyle, Fred'k B., 1003 F, N W
Remey, Chas. M., 1527 N H av, N W
Roberts, T. Kent, 816 17th, N W
Schenck, Wm. A., Colorado bldg
Schneider, Ferd. T., 1314 F, N W
Schneider & Hales, 718 14th, N W
Seibert, S. Rush, Ebbitt house
Simmons, B. Stanley, 931 F, N W
Sonneman, Alex. H., 1418 G, N W
Speiden & Speiden, 1403 N Y av, N W
*Stead, Robert, 904 F, N W
Sunderland, Erskine M., Ouray bldg
Taylor, James K., Supervising Arch., U. S. Treas. Dept.
Tolman, Geo. R., 1425 F, N W
*Totten, G. Oakley, Jr., 806 17th, N W
Vaughn, Merrill T., Greendale
Vogt, Oscar G., Corcoran bldg
Volland, Edw. D., 311 B, N W
Von Herbulis, Albert O., 1416 F, N W
Wagner, Wm. F., 1330 13th, N W
Warner, James H., 602 13th
Webb, C. Edgar, Warder bldg
Weissenborn, Leo J., 808 17th, N W
Wenig, Julius, 1223 F., N W
West, Claughton, 1301 G, N W
Wood, Donn & Deming, 808 17th, N W
Wyeth, Nathan S., 1517 H, N W

FLORIDA.

DE LAND—Davis, M.
JACKSONVILLE—Camp, W. B., Livingston bld
Duffy, C. J., 2031 Herschel
Ehmann, Emil A., Masonic Temple
Gilkes, A. B., 117 Laura
Hawkins, J. H. W., Realty bldg.
Holmes, Rutledge, 117 Laura
Klutho, H. J., Board of Trade bldg
McClure & Holmes, 135 Bay
Talley, W. B., West bldg
Walsh, J. R., Herkimer bldg
KEY WEST—†Lowe, B. B.
Welker, D. B.
LEESBURG—Campbell, H. L.
OCALA—MacKay, Geo.
PENSACOLA—Blount, F. M.
Frederick, W. C.
Turner, C. H. Cons. Co.
Willis, W. D.
ST. AUGUSTINE—Milburn, C. M.
SANFORD—Snead, J. O.
TAMPA—Bonfoey & Elliott
Curtis, F. M.
Drake, Louis F.
James, Fred. J.
Johnson, A. H.
Miller & Kennard
Shaw & Jay

GEORGIA.

ATLANTA—Allen, W. H., 4th Nat'l Bank bldg
Arnold, C. V., 197 Glenwood av
Battle, J. C., Prudential bldg
Bleckley, H., Empire bldg
Brown, A. Ten Eyck, 71 N. Forsyth
*Bruce, Alex C., 327 N. Boulevard
Carpenter, R. H., Austell bldg
Chapman, H. K., 134 East av
Choate, Chas. E., Candler bldg
Cooksey, J. S. Jr., Inman bldg
Dallis, P. A., (Mill Arch & Eng.), Candler bldg
Dougherty, E. E., 313 Candler bldg
*Downing, W. T., Prudential bldg
Dozier, Miss H. C., Peters bldg
Edwards & Walter, Candler bldg
Everett, A. F. N., English Am. bldg
Foote, G. W., 56 Inman bldg
Frazier, C. E., English Am. bldg
Head & Cooksey, English Am. bldg
Jones, Lamar, Century bldg
Laine, Geo. W., Peters bldg
MacEachron, J. Reginald, 75 W. Peachtree
Marye, P. Thornton, Equitable bldg
*Morgan & Dillon, Prudential bldg
Morris, M. E., Century bldg
Murphy, G. E., Candler bldg
*Norman & Falkner, Candler bldg
Pugin, B. A., 97 Peachtree
Seiz, E. C. Co., Lowndes bldg
Smith, C. H., 2 W. Ellis
Stewart, Geo. W., Candler bldg
Thompson, Geo. C., Candler bldg
Wachendorff, E. C., Empire bldg
Walker, A. F., Austell bldg
Walker, H. L., Studio bldg
AUGUSTA—Goodrich, L. F.
Kemp & Wendel
MacMurphy & Story
Preacher & Holman, Dyer bldg
BAINBRIDGE—Wheeler, Geo. Q.
BRUNSWICK—Anderson, W. C.
COLUMBUS—Lockwood, T. F.
Smith, T. W. & Co.
MACON—Blair, Alexander
Cutter, H. D.
Dennis, P. E.
Ellis, C. R.
Happ, Frank R.
Nesbet, Carlyle
SAVANNAH—Diller, L., Nat'l Bank bldg
Kops, J. deBruyn, 27 E Bay
Nevit, John J., 123 E. Henry
Sugden, Percy, 20 Drayton
Urban, Henry, Provident bldg
Wallin & Young, German Bank bldg
Whitcover, H. W., Nat'l Bank bldg
WAYCROSS—Myers, C. B.

HAWAII.

HONOLULU—Gill, T.
Kerr, H. L.
*Traphagen, Oliver G.

IDAHO.

BOISE—Cartee, Ross
Tourtellotte, J. E. & Co.
Ward, C. F.
Wayland & Fennell
POCATELLO—Brown, H.
Grundfor, M.

ILLINOIS.

(Licensed Architects of Illinois)

ALHAMBRA—Oswald, Fridolin
ALTON—Maupin, Jas. M., 307 George
Nixon, Utten S., Bell & 3d
Pfeiffenberger, L. & Sons, 102 W 3d
ARMAWAN—Hawk, Mark
ATKINSON—Chapler, Elijah C.
Milar, Wallace L.
AURORA—Malmer, Eugene, 249 Grove
Worst & Shepardson, 341 Coulter blk
BELLEVILLE—Eubach, Otto W.
BLOOMINGTON—*Miller, Geo. H, Evans bldg
Moratz, Paul O., 1st Nat'l B'k bldg
Pillsbury, Arthur L., Griesheim bldg
CAIRO—Jenkins, John S., Commercial av
Kusener, Casper, Alex. Co.'s, Nat. Bank
CARBONDALE—Thompson, Thos. S. bldg
CARTHAGE—Payne, Geo. W. & Son
CHAMPAIGN—Brown, Seely, 411 W University
Case, Jno. W., 211 W University av
Clark, Chas R., 105 Chalmers
Hubbard, Archie H.
Leonard, Edith, 1003 S. 6th
Spencer, Nelson S., Karlhar bldg
Temple, Harry R., Karlhar bldg
Vredenberg, Hachaliah, Illinois bldg
CHARLESTON—Maxwell, Benj. R., 411 Harrison
Mitchell, Chas. D., 16 6th
CHICAGO—Abbott, Frank B., 164 Dearborn
Adler, Abraham K., 215 Dearborn
*Ahlschlaeger, John, 70 La Salle
Allison, Lyman J., 115 Dearborn
Alloway, Wilmore, Marquette bldg
Almquist, Carl M., 112 Clark
Alschuler, Alfred S., Fort Dearborn bldg
Andresen, Theodor, 1335 Belmont av
Armstrong, Jno. A., 218 La Salle.
Artingstall, Samuel G., 280 La Salle
Ashby, Geo. Wm., Medina bldg
Ayars, Chas. R., 90 Washington
Bailey, Cyrus, 204 Dearborn
Bannister, Geo. S., 10227 Wood
Barfield, Wm. G., 87 Washington
Barnes, Julian, Association bldg
Barrett, Fred. L., 2695 N 42d av
Barthel, Julius Bernard, 79 Dearborn
Barton, Francis M., Medinah bldg
Baumann, Fred'k, 43 Pine Grove av
*Beaumont, George, 115 Dearborn
*Beers & Beers, Orchestra bldg
Behel, Vernon W., 115 Dearborn
Beller, Henry P., 283 E. North av
Belden, Edgar S., 204 Dearborn
Bell, Theodore N., 188 Madison
*Beman, Solon S., Fine Arts bldg
Bennett, A. J. T., 1442 Lexington av
Bennett, Wm. Arthur, Monadnock blk
Benson, Edw., 1779 N Clark
*Berlin, Robert C., 153 La Salle
Bessler, Edw. W., 820 W 12th
Bishop, Thos. R., 167 Dearborn
Bjork, David T., 3297 N. Sawyer av
Blondin, Edward A., 5459 State
Borst & Hetherington, 100 Wash'n
Bourke, Robt. E., 5620 Michigan av
Bowen, Howard, 108 La Salle
Bowes, Fred'k Wm., 1525 N Central Park av
Brabant, Frank J. E., 79 Dearborn
Brandner, Ludwig T., 98 Fremont
Brandt, Berkley G., 9 Jackson boul
Braucher, Ernest N., 2790 W. Monroe
Bright, Jasper T. (care of O. L. Watson), 160 Washington
Brill, Geo. M., 204 Dearborn
Brinkmann, Wm. J., Ashland blk
Brodhag, Louis, 84 La Salle
Brompton, Jos. C., 112 Clark
Brooks, Thos. M., 2867 N. Hermitage av
Brown, Arthur G., 153 La Salle
Brown, W. R., 5439 W. Superior, Austin Station
Brueckner, Carl Louis, 217 Center
Brush, Chas. E., 99 Randolph
Buck, Lawrence, Steinway Hall
Buck, Niels, 145 La Salle
Buckley, Asbury W., 26 Van Van Buren
Buerger, Albert Jr., 2133 W 12th
Burfeind, Wm. F., Security bldg
*Burnham, D. H. & Co., 9 Jackson boul
Burns, Jas., Chicago Opera House bldg
Butts, Julius A., 370 S Paulina
Carr, Geo. Wallace, 21 Van Buren
Charvat, Anton, 814 Ashland av
Chase, Frank D., 1000 Ill. Central Station
Chatten, Melville C., 17 Van Buren

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Chubb, John D., 112 Clark
Church, Myron H., 204 Dearborn
Church, Walter S., Marquette bldg
Clark, Edwin H., 175 Dearborn
Clark, Robert C. (care Armour & Co.), 205 La Salle
*Clay, Wm. W., 218 La Salle
Cloyes, Fred'k O., Fisher bldg
Cobb, Wm. H., 87 Washington
Coffin, Arthur S., 109 Randolph
Cohen, Isadore, Monadnock bldg
Colcord, Albert E., 108 Dearborn
Cole, Arthur W., 204 Dearborn
Crowen, Samuel N., Stock Exchange bldg
Davidson, Frank E., Monadnock blk
Davis, Zechary T., Steinway Hall
Dean & Dean, 218 La Salle
DeMoney, Frank O., 144 La Salle
Dennis, Chas. A., 79 Dearborn
Devine, Nicholas S., 491 Winchester av
Dibelka, Jas. B., 112 Clark
Dinkelberg, Fred'k P., 135 Adams
*Doerr, J. F. & J. P., 138 Wash'n
Dornfeld, J. F., 134 Van Buren
Dorr, John I., 7120 Langley av
Dougherty, Floyd C., 5046 Jefferson av
Dowling, Edw. F., 140 Dearborn
Downs, Edwin L., 9 Jackson boul
Duesing, Theo., 1293 W 22d
Duncan, John, 87 Washington
Dunning, N. Max, 167 Dearborn
Durkee, Arthur R., Manhattan bldg
Dwen, Rob't G., 3736 Ellis av
Eckstrom, Christian A., 131 La Salle
Egan & Prindeville, 17 Van Buren
Eichberg, S. Milton, 109 Randolph
Falls, Alex. S., Northern Trust Co. bldg
Ferrel, Albert G., 404 W 63d
Fielder, Fred. A., 167 Dearborn
Fischer, Fred'k Wm., 9154 Commercial av
Fischer, John B., Old Colony bldg
Fisher, Albert J., 816 N. Claremont av
*Flanders, John J., 70 Dearborn
Flegel, Albert L., 1586 Jackson boul
Flesch, Eugene W. P., 112 Clark
Fletcher, Robert C., 172 Washington
Flizikowski, John S., Lafayette bldg
Floto, Julius, Monadnock bldg
Foehringer, Fred'k, 34 La Salle
*Foltz, Fritz, 140 Dearborn
Fortin, Jos. T., 7 Blue Island av
Foster, Arthur, 234 La Salle
Fowler, Geo. J., 940 Greenleaf av
Fox, Chas. E., 1st Nat'l Bank bldg
Fromman, Emil H., Schiller bldg
*Frost & Granger, 181 La Salle
Fry, Frank L., 204 Dearborn
Fullenweider, Arthur E., 7209 Harvard av
Fuller, Alex A., 42 E. Madison
Furst, Chas. J., 172 Washington
Gall, Wm. F., 79 Dearborn
Gardner, Horace C., U. S. Y., Swift Co.
Garnsey, Geo. O., 185 Dearborn
Gassman, Andrew P., 138 Wash'n
Gatterdam, Fred. E., 163 Randolph
Gauger, Wm., 112 Clark
Gaul, Herman J., 172 Wash'n
Gerber, Arthur U., 3631 S Halsted
Gerhardt, Paul, Schiller bldg
Gibb, Wm. R., 169 Jackson boul
Gilbert, Geo. H., 246 60th
Gillette, Edwin F., 140 Dearborn
Goldberger, Maximilian S., 5246 Calumet
Goodman, Wm. C., 1305 W Adams
Graham, Ernest R., Railway Exchange bldg
Griesser, Richard, Schiller bldg
Grotz, Chas. J., 1252 N. California av
Grussing, Geo. H., 165 Randolph
Gubbins, Wm. F., 685 Ogden av
Guenzel, Louis, 115 Monroe
Hale, Perley, Atwood bldg
Hall & Baker, 153 La Salle
*Hallberg, Lawrence G., Oxford bldg
Hammond, Chas. Herrick, Ft. Dearb'n bldg
Hancox, Chas. J., 2 Campbell Park
Handy & Cady, 172 Washington
Hansen, Christian O., 244 Dearborn
*Hansen, Harold M., 88 La Salle
Hansen, Paul, 952 Hollywood av
Harley, Wm., Jr., 114 Dearborn
Harned, Hy. P., Continental Bank bldg
Harrison, Edw. L., 34 Campbell Pk. boul
Harvey, Geo. L., 175 Dearborn
Harvey, John, 9749 Av H
Hatzfeldt, Clarence, 143 Dearborn
Hawk, Albert T., 806 La Salle st Station
Hecht, Albert, Reaper bldg
Heinz, Lorenz H., 78 La Salle
Hermann, Chas. F. (City Arch.), City Hall
Herr, Thornton A., 154 Washington
*Hettinger, John P., Journal bldg
Heun, Arthur, Steinway Hall
Higgins, Francis J., 107 Evanston av
*Hill & Wolterdorf, 70 La Salle
Hine, Cicero, 263 Wabash av
Hobbs, Raymond M., 6065 Jefferson av
Hodgdon, Chas., 206 LaSalle
Hodgkins, Howard G., Steinway Hall
Hoermann, Carl, 171 Washington
Hoffman, H. Curtis, 311 W. 72d
Hogenson, Edw. A., 2727 Magnolia av
*Holabird & Roche, 1618 Monadnock bldg
Holden, Ben E., Railway Exch. bldg
Holmboe, Leonard C., Illinois Steel Co. So. Chicago
Holmes, Morris G., Hartford bldg
Holsman, Henry K., Monadnock blk
Hoskins, John M., 1280 W Madison
Hotton, Bartholomew J., 109 Randolph
Houda, Jos. F., Roanoke bldg
*Huber, Julius H., 171 Wash'n
*Huehl & Schmid, 163 Randolph
Hughes, Andrew P., 423 W 69th
Hulla, John, Medinah bldg
Hunt, Jarvis, Monadnock bldg
Hussander, Arthur F., 143 Dearborn
Hyde, Robt. M., 933 S. Sawyer av
Hyland, Paul V., Heyworth bldg
Ingalls, Arthur R., 7207 Yale av
Ingram, Horace C., Corn Exch. Bank bldg
Jaffray, Henry S., 6249 Kimbark av
Jebsen, Ernest, 109 Randolph
Jensen & Mundie, 171 La Salle
Jobson, C. Frank, Pullman bldg
Johnson, Oscar, 1119 Sheffield av
Johnston, Jos. S., 359 43d
Johnston, W. K., 184 La Salle
Jyrch, Karl E., 859 Washington boul
Kaiser, August, 428 California av
Kaiser, Otto, 1799 Milwaukee
Kallenbach, Henry J., 526 Cornelia av
Karbach, Chas. W., 556 S. Central Park av
Kelley, Irving W., 79 Dearborn
Kennard, De Witt T., 226 E 63d
Kingsley, George S., 36 La Salle
Kintz, Geo. A. W., Washington heights
Kirkpatrick, Robt. A., 746 E. 48th
Klafter, David Saul, 79 Dearborn
Klewer, Wm. L., 109 Randolph
Klucina, John, 1185 S. Homan av
Knudson, Johan F., 131 La Salle
Koenig, Fred, 1656 Grenshaw
Kohfeldt, Walter G., 651 31st
Koll, Henry G., 950 Elston av
Koster, John L., 185 Dearborn
Kouhn, Jno. J., 84 Adams
Krause, Edmund R., Majestic Theatre bldg
Krieg, Wm. G., 117 Market
Kuehne, Carl Oscar, 171 Center
Kupfer, Otto A., 904 Millard av
Lang, Albert, Chicago Savings Bk. bldg
Lang, Fritz, 700 Milwaukee av
Larmon, Philip, care of Libby, McNeil & Libby, U. S. Y.
Layer, Robert, 1327 Milliard av
Lehle, Louis, 103 Randolph
Levy, Alex. L., 112 Clark
Lewis, John, 15 Gladys av
Liedberg, Hugo J., 163 Randolph
Linderoth, Swen, 5844 S Elizabeth
Lindquist, Fred'k, 1408 Franklin boul
Llewellyn, Jos. C., First National B'k bldg
Lonek, Adolph, Roanoke bldg
Lovell, Sidney, 164 Dearborn
Lowden, Alex H., 163 Randolph
Lowe, Elmo C., Corn Exch. Bank bldg
Luebkert, Otto, 65 S Clinton
Lund, Anders G., 602 W 63d
McAfee, Chas. H., 36 La Salle
McCall, Thos., 1710 Railway Exchange
McGavick, Jos. P., 17 Van Buren
McMichael, Jno., 6023 Calumet av
McMullen, Henry J., 1618 W 12th
Mahaffey, David, 84 La Salle
Maher, Geo. W., 218 La Salle
Mann, Wm. D., 912 Evanston av
Marshall & Fox, 164 Dearborn
*Matz, Otto H., 78 La Salle
Maurer, William, 668 Augusta
Mayo, Ernest A., 204 Dearborn
Mead, Dan'l W., 1st Nat'l Bank bldg
Meldahl, Jens J., 138 Washington
Merrick, Harry A., 46 Palmer av
Metcalf, John S. Co. (Grain Elevator, etc.), Women's Temple
Miller, Harvey C., 204 Dearborn
Miller, Jos. A., 59 Clark
Miller, William C., 69 S 41st av
Mitchell, Louis M., 145 La Salle
Molitor, Jos. Jr., 160 Washington
Morehouse, Merritt J., 702 Fisher bldg
Morey, Arthur G., 145 La Salle
Morrison, Jno. C., 185 Dearborn
Mosher, E. Bradford, 5830 Rosalie Ct
Mueller, Herman, 561 S Ashland av
Mullay, Thos. H., Monadnock blk
Murphy, John H., Fisher bldg
Nagle, Geo. A., 108 La Salle
†Neebe, Jno. K., 598 W Chicago av
Neebes, Geo. S., 5222 Indiana av
Nelson, Edward O., New York Life bldg
Nettenstrom, Joel U., 926 Mellville pl
Nen, Matthew, 151 93d
Newberry, Robert Thorne, 184 La Salle
Newell, Frank V., 185 Dearborn
Newhouse, Henry L., 4630 Prairie av
Newman, Edgar M., Stock Exch. bldg
Newman, Wm. L., 909 Jackson boul
Nicholson, Jos. T., 6112 Lex. av
Nicholson, Wm. A., 6541 Greenwood av
Niemz, Arthur R., 253 La Salle
Nimmons & Fellows, 204 Dearborn
Norman, Andrew E., 802 Devon av
Norton, Francis J., Kenmore av, Edgewater
Nothnagel, Chas. W., 914 W 67th
Novy, Ludwig, 1618 W 22d
Nyden, John A., 218 La Salle
Ohlhaber, Wm., 134 Park
Ohrenstein, Ernest J., 1st Nat'l Bank bldg
Orr, Edw. Ellsworth, 6307 Chatham av, "A"
Ostergren, Robt. C., 2939 Vernon av
*Otis, Wm. A., 175 Dearborn
Ottenheimer, Henry L., Fort Dearborn bldg
Packard, Allyn A., Federal bldg
Pagels, Wm. F. S., 34 Clark
*Palmer, C. M., 1207 Monadnock blk
Pashley, Alfred F., Manhattan bldg
Patelski, Erich J., 160 Washington
*Patton & Miller, 140 Dearborn
Pentecost, Douglas S., Unity bldg
Perkins, Frank W., 7724 Hawthorne av
Perkins, Fred'k W., Isabella bldg
Perkins & Hamliton, 140 Dearborn
Perry, Walter E., Chi. Sav. Bank bldg
Pfeiffer, Geo. L., 1124 W 12th
Pistorius, Henry, Tribune bldg
Pleins, Leo H., 2440 Wayne av
Pond & Pond, 17 Vanburen
Pope, John Francis, Unity bldg
Postle & Mahler, 204 Dearborn
Poulson, Edw. Ja., 1466 N Francisco
Powers, Horace S., Steinway Hall
Poyer, A. & Son, 10536 Vincennes rd
Pridmore, John E. O., 164 Dearborn
Probst, Edward M., 794 Millard av
Pruyn, Wm. H., Jr., 4217 Berkeley av
Purssell, Geo. G., 2022 W Madison
*Quackenboss, Leonard G., 108 5th av
Rae, Robert, Jr., 4935 Champlain av
Raeder, Henry, 77 Jackson boul
Randak, Frank, 59 Clark
Randolph, Smith M., Security bldg
Rapp, Cornelius Ward, 100 Washington
Rapp, Geo. Leslie, 100 Washington
Rawson, Lorin A., 17 Van Buren
Reily, Solen L., 6043 Prairie av
Renwick, Edw. A. (See Holabird & Roche), Monadnock bldg
Reynertson, Theis J., 1082 N. 40th av
Rich, Chas. C.
Rich, Evert, 234 La Salle
Rich, Harry Folsom, 315 Dearborn
Richards, Henry H., 134 Van Buren
Riddle, Herbert H., 164 Dearborn
Riddle, Lewis W., 164 Dearborn
Riegert, Emil, 74 Racine av
Rinn, Chas., 774 W. Montrose av
Ritter, Louis E., Marquette bldg
Robertson, David, 107 Randolph
Robinson, Argyle E., 84 La Salle
Rogers, Jno. A., Ashland blk
Rohm, Jean Baptist, 1505 Humbolt av
Rosenthal, Alex B., Chi. Opera Hse. blk
Ross, Henry J., Railway Exch bldg
Roth, Edgar, 806 La Salle st Station
Rouleau, Arthur, 510 W. Polk
Roy, Franz, 9140 Commercial av
Runde, Otto, 119 Rice
Rush, A. Wm., Monadnock blk
Russell, Lewis E., 115 Dearborn
Rusy & Rezney, 112 Clark
Sandegren, Andrew, 164 Dearborn
Saxe, Ira C., 84 La Salle
Schaub, Lewis J., 717 N Campbell av
Schenck, Rudolph, 157 Michigan av
Schlacks, Henry J., Borden blk
Schmid, Richard G., 163 Randolph
Schmidt, Hugo, 2020 State
Schmidt, Richard E., Garden & Martin, 172 Washington
Schock & Swanson, 164 Dearborn
Schoenfeldt, Frank, 1755 W 12th
Schroeder, John M., 99 Randolph
Schroeder, Wm. H., 192 W 22d
Schuberth, Geo. F., 568 Sheffield av
Schultz, Martin, 784 W 21st
Schultz, Wm., 1156 Milwaukee av
Schweizer, Jos., 56 5th av
Seater, Sinclair M., 105 Washington
Seipp, Edwin A., 172 Washington
Seyforth, Robt. E., Corn Ex. Bank bldg
Shankland, Edw. C., The Rookery
Shannon, James S., (care Roberts & Shaffer Co.), Old Colony bldg

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Shattuck, Walter F., 218 La Salle
Shaw, Howard Van Doren, 161 State
*Shepley, Rutan & Coolidge, 206 La Salle
Sierks, Henry, 40 Dearborn
*Silsbee, Jos. L., 115 Dearborn
Smith, Robert S. 185 Dearborn
Smith, Sidney, 1697 N Sacramento av
Somers, Elbert S., 4192 Lakewood av
Sorensen, Chas. F., 660 N Maplewood av
Spencer, Robt. C., Jr., Steinway Hall
Speyer, J. & Son, 172 Washington
Spitzer, Morris, Tacoma bldg
Stanhope, Leon E., 184 La Salle
Stebbings, Walter L., Monadnock bldg
Stern, Isaac S., 585 E 49th
Steuben, Theo., 1721 N Ashland av
Stevens, C. Whitney, 109 Randolph
Stevens, Harry E., 100 Jackson boul
Stone, John R., 140 Dearborn
Strandel, Chas. A., 134 Monroe
*Strippleman, William, 209 State
Sturm, Meyer J., 84 La Salle
Sturnfield, Chas. H., 1239 W 21st
*Sullivan, Louis H., Auditorium Tower
Sutcliffe, John 218 La Salle
Taggart, John A., 383 62nd
Tallmage, Thos. E., Security bldg
Thain, Joseph A., 3152 Prairie av
Thisslew, Chas., 451 Milwaukee av
Thomsen, Fred'k W., 46 Seminary av
*Tilton, John N., 112 Clark
Tomlinson, Henry W., 17 Van Buren
*Treat, Samuel A., 279 Dearborn
Turnbull & Jones, Tacoma bldg
Ufffendell, Wm. G., 3648 Lake av
Van Keuren, Wm. J., 78 La Salle
Vieble-Naess, Ivar, 1994 Kenmore av
Voight, Gustav, 3220 S Canal
Von Holst, Hermann V., Steinway hall
Waful, Edw. E., 204 Dearborn
Walker, Wm. E., 168 Michigan av
Walter, Wayne M., Unity bldg
Warren, Wm. Arthur, Steinway hall
Waterbury, Chas. D., Steinway Hall
Waterman, Harry H., Continental B'k bldg
Watson, Vernon S., Security bldg
Watson & Hazelton, Fisher bldg
Weary, Chas. A., 155 Washington
Weber, Alfred P., 172 Wash'n
Weber, Peter J., Fisher bldg
Wheeler, Chas. F., 2862 W 46th ct
Wheelock, Harry B., Schiller bldg
*Wight, Peter B., 138 Washington
Wilkowski, Jos. A., 1177 N Leavitt
Williamson, Robert B., Board of Education, Tribune bldg
Williamson, Wm. G., 153 La Salle
Wilmanns, August C., 167 Dearborn
*Wilson, Horatio R. & Co., 218 La Salle
Wing, Thos. W., 185 Dearborn
Winslow, Benj. E., Ashland bldg
Witherspoon, John M., Monadnock blk
Wittekind, Henry, 4730 N Clark
Woerner, Adolph, Lincoln & Ashland avs
Woodyatt Ernest, Ashland blk
Worthmann & Steinback, 625 W Chicago av
Wright, Clark C., 15 Linden Court
Wright, Harvey, 163 Randolph
York, John D., 522 N Clark
Youmans, Wm. A., Bush Temple of Music
Youngberg, John E., 114 Dearborn
Zarbell, Iver C., 97 Clark
Zatterberg, Martin, City Hall
Zimmerman, Hugo H., 1127 Addison av
*Zimmerman, W. Carbys, 17 Van Buren
Zippwald, Otto P., 1719 N Ashland av

COLLINSVILLE—Eberhardt, Henry W.
DANVILLE—Garrett, Urias E., 9 W Harrison
Lewis, Chas. M., Masonic Temple bldg
Liese, George C., Y. M. C. A. bldg
Ludwick, George W.
McCoy, Jno. F., Amer. Bank & Trust bldg
Stadden, Edw. W., 906 Oak
Stuebe, Leon F. W.
DECATUR—Brooks, Barkley S.
McNabb, Wm. O., 403 N Main
Patterson, Melville G., Fenton bldg
Rosen, R. O., Powers bldg
DEERFIELD—Flower, Harold
DE KALB—Marston, Louis H.
DIXON—Vail, Morrison H.
EAST ST. LOUIS—Frankel, Albert B., 208 Collinsville av
Kennedy, Jno. W., Arcade bldg
Mueller, B. A., Arcade Bldg.
Pfeiffenberger, Geo. D., Sexton bldg
Riester, Frank P., Ins. bldg
EDWARDSVILLE—Pauly, Chas.
ELGIN—Abell, W. Wright, & Ralph Elliott
Morris, G. E.
ELMHURST—Griffin, Walter B.
EVANSTON—Blake, Edgar O., 620 Davis
Phillips, Chas. A., 227 Dempster
FOREST PARK—Butar, Adolph G., 521 Ma-
FREEPORT—Dustman, Urias M. rengo av
GALESBURG—Aldrich, Norman K.
Beadle, Jno. Grant
GENESEO—Okeberg, Jno. V.
GRANITE CITY—Kistner, Theo. C.
Pauly, Edward C.
JACKSONVILLE—Buckingham, O. W.
*Pierson, Jas. K. C., 232½ W State
JOLIET—Barnes, John H., 634 Van Buren
Boehme, Hugo, 101 Ottawa
Cowell, Herbert, cor Raynor & Gates aves
Hoen, Rudolph G., Braun-Kiep bldg
Wallace & Wallace, Wallace bldg
Webster, Chas. Woods, Cutting bldg
KANKAKEE—Henry, Chas. D., 26 Arcade bldg
KEWANEE—Eckland, Henry, 218 N Tremont
LA GRANGE—Krausch, Walter T.
LA SALLE—Matteson, Victor Andre
LINCOLN—Corwine, W. A., 203 4th
Deal, Joe Mindert, Oglesby bldg
Ginzel, Roland F.
Simpson, John A., 100 Chicago
MACOMB—Fuhr, Jno. H.
Holmes, Willis B.
MAYWOOD—Meissner, C. L. Henry
METROPOLIS—Houts, Wm. T.
MOLINE—Cervin, Olof Z.
Drury, Clair F., 517 15th
Eckerman, Oscar A.
Whitsitt, H. W.
MORGAN PARK—McMurray, Oscar L., 2222 Ebuda av
MORTON PARK—Cowles, Wm. D., 5138 Risley av
MOUNT MORRIS—Buser, Nathaniel E.
NAUVOO—Nielsen, Carl
OAK PARK—Ellis, Francis M.
Fiddelke, H. G., 210 W. Lake
Fyfe, Jas. I., 417 Home av
Hartigan, Wm. B., 429 N Cuyler av
Hotchkiss, Roy J.
Poulson, Geo. F., 643 N Elmwood av
Roberts, Eben Ezra, 101 Marion
Stoddard, Edw. B., 224 Marion
Thompson, F. D., 111 Marion
White, Chas. E. Jr., 321 N. Euclid av
Wright, Frank L., Forest & Chicago aves
OTTAWA—Richardson, Jason F., Jr., 816 Armory blk
PALOS PARK—Reichert, Wm. G.
PEKIN—Zimmer, John E.
PEORIA—Baillie, Jno. McLellan, Y. M. C. A.
Chaffee, Dudley C., 321 Main bldg
Davis, Geo. H., 411 Perry av
Emerson, Frank N., 321 Main
Harris, Alfred W., Dime Savings B'k bldg
Hewitt, Herbert E., 321 Main
Hulsebus, B. L., Y. M. C. A. Bldg.
Jobst, Valentine, Jobst bldg
Kiefer, Albert, Woolner bldg
Klein, Fred'k J., Arcade bldg
Koechlin, Carl, Masonic Temple
Reeves, Wm. H.
Shank, Jno. Adam, Observatory bldg
Whitmeyer, Mark H., Observatory Bldg.
PERU—Wachter, Henry F.
POLO—Ruth, Thos. P.
PONTIAC—Hercules, Jacob W.
Young, Richard A.
PRINCETON—Alpaugh, Nicholas G.
Bryant, Jos. P.
QUINCY—Batschy, Jno., Wells bldg
Behrensmeyer, George P., 530 N Main
Chatten, Harvey, Wells bldg
Geise, Martin J., 7th & Hampshire
Ledebrink, Fred C., 32 Schotts bldg
Wood, Ernest M., Musselman bldg
ROCKFORD—Bradley, Chas. W., Brown bldg
Carpenter, F. A., Brown bldg
Manard, Robt. P., Rockford Trust bldg
Schureman, David S., 220 S Main
ROCK ISLAND—Pruett, Chas. L.
Stauduhar, Geo. P., 318 20th
ROGERS PARK—Melin, Chas. W., 1166 Columbia av
SANDWICH—Howison, Charles
SPRINGFIELD—Aschauer, C. J., 502½ E Adams
*Bullard & Bullard, Unity Bldg.
*Conway, Wm. H., 104 East Side sq
Furrow, Edw., I. O. O. F. Bldg.
Hamilton, Frank H., City Hall
Hanes, Samuel J., 205 S 6th
*Helmle, Geo. H., 430 S 5th
Rinaker, Jno. L., Franklin bldg
Shinn, C. W., 714 S 5th
STERLING—Blood, Lyle A.
Van Horne, Philip T.
STOCKTON—Goodmiller, Preston V.
STREATOR—Allen, Alonzo W.
Connell, Richard D.
Foster, Wm. C.
UPPER ALTON—Stelle, Oliver G.
URBANA—Harper, Horner W., 907 W California
Ricker, N. C., Engineering Hall
Royer, Jos. W., Flat Iron bldg
White, Jas. M., Engineering Hall
Wilkinson, Lawrence E., Engineers' hall
WAUKEGAN—Minnott, Jno. E.
Worsfold, Ira A., Dodge bldg

INDIANA.

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Meckel, Jno.
BEDFORD—Pritchett, Milton C.
BLOOMINGTON—Nichols, Jno. L. & Son
Spriggs, Henry
BLUFFTON—Powers, W. H.
BRAZIL—Steevanart, Gustav
COLUMBUS—Dunlap, Elmer E.
CRAWFORDSVILLE—Griffith, Geo. T., 812 W Main
Sharpe, W. F.
CROWN POINT—Knight, F.
ELKHART—Elwood, A. H.
Turnock, E. Hill
EVANSVILLE—Hammond, H. B., 516 Main
Harris & Shopbell, Furniture bldg
*Schlotter, Frank J., Dickman bldg
FORT WAYNE—*Allen, Frank F., Elektron bldg
Bradley, R. A., Bank bldg
Griffith & Fair, Bass blk
King, Jno. F., 121 W. Woodland av
Loney, P. J., Bass blk
*Mahurin & Mahurin, Swinney blk
Meyer, Henry, 108 Calhoun
Riedel, J. M. E., Schmitz blk
Snyder, Ralph M., Tri-State Bank
Weatherhogg, Chas. R., Hamilton Nat'l B'k
*Wing, John F., Pixley-Long blk bldg
GARY—Cornwell, Fay D.
Erickson, Herbert
Gorsuch & Wikelund
Jewett, Albert
Mason, J. W.
GOSHEN—Arthur, James A.
GREENSBURG—§Dillie, Edw.
HAMMOND—Bump, E. W.
Hutton, J. T.
HARTFORD CITY—Brown, J. L.
HUNTINGTON—Mohler, A. D.
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Allen, Layten, Lombard blk
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Barber, Wm. E., 707 E. 23d.
Bartel, Samuel G., 730 N Germania av
Bass, Herbert L. & Co., Indiana Pythian
Bates, Chas. E., Lemcke bldg bldg
Bedell, Geo. V., Law bldg
*Bohlen, D. A. & Son, Majestic bldg
Bradley, Rob't A., American Central Life
Brubaker & Stern, Aetna bldg bldg
Byfield, Chas. H., Law bldg
Church, Andrew S., 2329 Adams
*Daggett, R. P. & Co., Lemcke bldg
Dark, Stephen C., 210 S. Penn.
Dunlap, Elmer E., State Life bldg
Dupont, Henry H., State Life bldg
Eldridge, Wm. K., Board of Trade bldg
*Foltz & Parker, Indiana Pythian bldg
Hastings & Gardner, 152 E. Market
Hendrickson, H. C., Union Trust bldg
Hollingsworth, John G., 1033 Udell
Hunter, Frank B., State Life bldg
Johnson, Jesse T. & Co., State Life bldg
McCune, Mervin H., 1405 Woodlawn av
Martindale-Rigg, Aetna bldg
Moore, W. Scott & Co., Unity bldg
Morck, Wm. O., Lombard bldg
Morris, Chas. O., 952 W 32d
Mueller, Chas. G., Talbott blk
Pierson, Ora C., 230 E Ohio
Rubush & Hunter, Amer. Cent. Life bldg
*Scherrer, Chas. G., Indiana Trust bldg
Staples, Wm. A., Baldwin bldg
Steele, Brandt T., 142 E Market
Sturges, Louis, Board of Trade bldg
Traylor, Marion H., 1928 Park av
Von Arman, Marshall E., Union Trust bldg
*Vonnegut & Bohn, Indiana Trust bldg
*Wallingford, Chas. A., 152 E Market
JEFFERSONVILLE—Holzbog, Geo. H. & Bro.
KOKOMO—Bruff, James F
LAFAYETTE—*Alexander, Jas. F. & Son, 4th & Main
Bonstra, J. A. & Co., Wallace blk
§Brown, Geo. S., 306 Ferry
LAPORTE—Allen, G. W. & Son
LOGANSPORT—Cook, Jas. A.
Crain, Jos. E.
Horn, Carl J.
MARION—Elder, Hiram
French, Burt L.
MISHAWAKA—Brubaker, O. C.
MUNCIE—Keeler, Geo. H.
Kibele, Cuno
NEW ALBANY—Moosemiller, Paul E.
NEW CASTLE—Taylor, Chas. W.
RICHMOND—*Hasecoster, John A., Colonial bldg
Kaufman, Wm. S., Kelley & Hutchinson blk
Yates, Stephen O.
SOUTH BEND—Adelsperger & Teeple, Dean bldg
*Austin, Ennis R., 225 W Washington
Freyermuth & Maurer, Warner bldg

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Selby & Van Dean bldg
Shambleau, N. Roy, 225 W. Washington
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SYRACUSE—Kingsley, W. M.
TERRE HAUTE—Ballentine, J. W., T. H. Floyd, W. H., 656 Wabash av Trust bldg
Foltz & Parker, Opera House blk
Gault, James C., Rose Dispensary
Padgett, Chas., Odd Fellows' bldg
Scott, Charles E., 656 Wabash av
Sherman, James Merrill, 1504 2d av
Vrydagh, J. G., 705 Ohio
Vrydagh, Robt. T., McKeen blk
TIPTON—Porter, S. J.
UNION CITY—Gettinger, W. H.
VINCENNES—*Campbell & Osterhage
Gaddis, John W.
WABASH—Risser, Christian
WARSAW—Bast, W. H.
Vanator, W. S.
WILLIAMSPORT—Fox, John
Lewis, P. W.

IOWA.

AMES—Connell, Richard D.
BOONE—Sweatt, B. J. & Co.
BURLINGTON—Goddard, H. L
Nelson, C. N.
Washburn, G. H.
CARROLL—Hart, Sanford P.
CEDAR FALLS—§Robinson, W. A.
CEDAR RAPIDS—Brown Bros Co., Security Bank bldg
Dieman & Fiske, Granby blk
*Josselyn & Taylor Co., 213 S 3d
Richards, D. W., 217 S 2d
CENTERVILLE—†Staley, B. S. Co.
CHARITON—Houghland, O. A.
CHARLES CITY—Campbell, Arthur
CHEROKEE—Stoddard, Chas.
CLINTON—Morrill, John & Son
COUNCIL BLUFFS—Cox, Friederich T.
Jensen Bros. Co.
Liles & Pennell
DAVENPORT—*Clausen, F. G. & B. J., Central Ebeling, Arthur H., 116 W 3d bldg
Hanssen, Gustav A. & D. J. Harfst. Schmidt bldg
McLane, Cyrus D., McManus bldg
Ross, John W., 212 Brady
Spink, Chas. R., McManus bldg
*Temple, Burrows & McLane, McManus bldg
DECORAH—Bucknell, Wm. S.
DENISON—Barber, Edgar L.
DES MOINES—Barton, Wm. C., Youngerman bldg
Eastman, C. E. Co., Observatory bldg
Hallett & Rawson, Utica bldg
Liebbe, Nourse & Rasmussen, 724 Walnut
O'Connor, Jno., Youngerman bldg
Proudfoot & Bird, Plyn bldg
Sawyer & Watrous, Watrous bldg
Smith, O. O., Youngerman blk
Wetherel & Gage, Youngerman blk
DUBUQUE—Beck, Guido, 8th & Main
Carkeek, Thos. T., Lincoln bldg
*Heer, F. & Son, 325 8th
Heer, Martin, 13th & Clay
*Spencer, John, Bank & Ins. bldg
ESTHERVILLE—Cox, Jas. S.
Jefferis, A. M.
FORT DODGE—Albright & Bradford
Reely, T. W.
HAMPTON—Boutin, C. W.
INDEPENDENCE—Netcotte & Donnan
IOWA CITY—Carpenter, O. H.
†Wickham, B. A.
KEOKUK—Ratcliffe, H. E.
MARION—White, L. E.
MARSHALLTOWN—Eckman, Chas.
MASON CITY—Bogardus, E. R.
Carr, C. E.
Connor, T. H.
MUSCATINE—Zeidler, H. W.
OSAGE—Stoughton, G. A.
OSKALOOSA—Wetherell, Frank B.
OTTUMWA—Fielder, Frank, 116 E. Main
Kerns, Geo. M., Electric bldg
Koch, Ernst, Hoffmann blk
Throne, H. E., 1229 Castle
SIOUX CITY—Beach, Wilfred W., United Bank bldg
Burkhead, G. W., Iowa bldg
Colby, F. E., Farmers' Loan & Trust bldg
Reinecke & Jenkinson, United Bank
Steele, Wm. I., United Bank bldg
WATERLOO—Borgolte, Fred'k F.
Burkett & Peddicord
Cleveland, M. B.
Ralston, J. G.
Shockley, Clinton P.
WAYLAND—Schwartz, C. K.
WEBSTER CITY—White, J. R.
WHAT CHEER—Palmer, J. N.

KANSAS.

CHANUTE—Fretwell, John
Parsons, Elze
Pratt, J. W.
COFFEYVILLE—Colby, Geo. S.
Henderson, C. N.
EMPORIA—Brinkman, H. W.
Squires, Chas. W.
FORT SCOTT—Huff, Walter S.
GLASCO—Olmstead, J.
HAYS CITY—Wolfe, G. R.
HUTCHINSON—De Pry, D. T.
Mann, A. R.
Nethercot, W. A.
Snyder, Harvey
INDEPENDENCE—Bender, F. N.
Fletcher, F. F.
KANSAS CITY—Bowman, Chas. S., 524 Minn.
Harris, Wm. E., Portsmouth bldg av
Langworthy, F. W., Pennington Hotel bldg
LAWRENCE—Wellman, W. T.
Wellman & Blair
LEAVENWORTH—Feth, Wm. P.
MANHATTAN—Hill, Harry H.
Winter & Walters
NEWTON—Ross, W. L.
OTTAWA—*Washburn, Geo. P. & Son
PARSONS—Quinn, B. H.
PITTSBURG—Munn, C. J.
†Seeley, J. H. & Co.
SALINA—Hair & Smith
Wilmarth & Zerbe
TOPEKA—Chandler, Chas. H., Capitol bldg
Gamble, R. L., 909 Kansas av
Holland, J. C. & Son, 784 Kansas av
Lescher, Theo. H., 920 Monroe
Marshall, Joseph, 115 W. 5th
Nielsen, N. P., 48 Crawford
Stanton, Jno. F., Smith bldg
Tuttle, C. B., 1907 Buchanan
Williamson, T. W., 1024 Clay
Wood, L. M., 629 Kansas av
WICHITA—Charles, U. G.
Cochrane, J. F.
Parsons, W. F.
Strengfield, W. R.
Terry, C. W.

KENTUCKY.

BOWLING GREEN—Fleenor, C. M.
Underwood, Robert
COVINGTON—Ashley, E. H., 1053 Scott
Dohrmann, Geo. F., 17 E. 18th
Schofield, Geo. W., 427 Madison av
Walker, Lyman, Farmers & Traders Bank bldg
CYNTHIANA—§Stevens, Joseph R. & Co.
FRANKFORT—Oberwarth, Leo L.
HENDERSON—Trible, E. S.
HOPKINSVILLE—Long, James L.
LEXINGTON—Aldenburg, H. W.
Anderson & Frankel
*Rowe, H. L.
LOUISVILLE—Albus, E. E., Paul Jones bldg
Collins, Val. P., Paul Jones bldg
Coupe & Gray, Equitable bldg
Curtin, C. A., Columbia bldg
Davis, Brinton B., Atherton bldg
Erhart, Fred, 358 4th
Gaffney, J. J., 455 W Jeff.
Gray & Hawes, Louisville Trust bldg
Hallenberg, Adolph, 303 W. Main
Hillerich, E. W., Todd bldg
Hoffer, Jno., 723 Underhill
Hutchings, J. B., Columbia bldg
Joseph, Alfred S. & Oscar G., Com'l. bldg
Loomis, Arthur, Todd bldg
M'Donald & Dodd, Equitable bldg
*Maury, Mason, Board of Trade bldg
Meyer & Brenner, Keller bldg
Murphy, D. X. & Bro., 140 S. 5th
Reuter, O. P., 253 5th
Shryock, C. G., 418 Centre
Smith, Arthur R., Norton bldg
Thomas & Bohne, Keller bldg
Wolters, Henry, Board of Trade bldg
Wischmeyer, Herman, Kenyon bldg
MOUNT STERLING—Williams, E. L.
NEWPORT—Wilson, Louis H., 10 W 4th
Wright, Jas. C., Jr.
NICHOLASVILLE—Askens, Samuel
Horin, E. E.
Murphy, J. H.
PADUCAH—Brainerd, Wm. L.
Lassiter, A. L.
SHELBYVILLE—†Gruber, L. H. & Sons
VANCEBURG—†Alden, Samuel

LOUISIANA.

BATON ROUGE—Charlton, Chas. H., Jr.
Goodman, B. J.
COVINGTON—Jenkins, Chas. & Jno. L.
JEANERETTE—Lloyd, C. B.
LAFAYETTE—Anderson, B. F.
Morton, A. E.
Nicholson, W. L.
NEW IBERIA—Phillips, E. W.
NEW ORLEANS—Andry & Bendernagel, 211 Camp
Bringier, Louis A., Hibernia B'k bldg
Broyard, Paul, 915 N Dupre
Brune, Theo., 922 Gravier
Bryan, Andrew J., Hennen bldg
Burton, Hayward L., 137 Carondelet
Collon, Frank & Co., 316 Baronne
Crosby & Henkel, Morris bldg
Dannenmann & Charlton (Ltd.), 316 Baronne
Daunis, Fred'k, 137 Carondelet
De Buys, Churchill & Labouisse, Hibernia bldg
Del 'Isle & Orr, 316 Baroune
Diboll, Owen & Goldstein (Ltd.), 305 Baronne
Diel, Henry, 231 S. 5th
Drennan, A. W., 211 Camp
Duval, Southron R., 606 Common
Duval, Southron R., N. O. Nat. Bank bldg
Favrot & Livoudais, 839 Gravier
*Fitzmer, Wm., 325 Camp
Fulham, Wm. F., 2128 Berlin
Ganter, Louis A., 1831 Palmyra
Geary, James, 513 Carondelet
†Geary, Walter N., Hennen bldg
Graveley, Frank P. & Co., 320 Carondelet
Hay, Alex., 127 Carondelet
Heintz & Simone, 307 Camp
Henry, Jno., Hennen bldg
Johnson, Herbert P., 606 Common
Kaiser, Wm. P., 727 Common
Keenan & Weiss, Hibernia Bank bldg
Koch, Julius, 219 Carondelet
Krumbhaar, Wm. B., 127 Carondelet
Lagasse, Paul, 826 9th
Levy, Gordon S., Hennen bldg
Loomis, Arthur, Todd bldg
†McCarthy, Richard, Jr., 305 Baronne
MacDonnell, Francis J., Hennen bldg
Mackenzie & Biggs, 606 Common
Moise, Abram H., 319 Carondelet
Patterson, Ebbin B., 1320 N Rendon
Reynes, E. Mazureau, 127 Carondelet
Roof, H. H., 829 Perdido
Soule, Robert S., Hennen bldg
Sporl, Edward F., 606 Commercial pl
Stone Bros., Hennen bldg
Sully, Thos., Morris bldg.
Tetu, Maurice, 1829 Terpsichore
Thompson, Thos. M., 211 Camp
*Toledano & Wogan, 830 Canal
Weil, Emile, Hibernia bldg
Williams, C. Milo, Hennen bldg
SHREVEPORT—Allen & George
Armstrong, A. J. & Co.
Bridges, Perry
Glick, E. F.
Kendrick, M. M.
King, Clarence W.
Snyder, John Y.

MAINE.

AUGUSTA—Wing, A. G.
BANGOR—Crowell, C. Parker
Hodgins, Victor
*Mansur, Wilfred E.
Patterson, Fred'k A.
BAR HARBOR—Savage, Fred L.
Stratton, Milton W.
BATH—Frederic, Herbert P.
BRIDGETON—Abbott, Edw.
Proctor, John H.
CASCO—Batty, John
Batty, Joseph
DEXTER—Dexter, H. P.
EASTPORT—Newcomb, E. E.
HOULTON—Chadwick, John J.
KENNEBUNK—Barry, Wm. E.
LEWISTON—Coombs & Gibbs
LISBON FALLS—White, E. E.
MADISON—Snow & Humphrey
NORTHEAST—Condage, Chas. A.
PITTSFIELD—Hersey, Preston
PORTLAND—Burnham, Geo., 120 Exchange
Cunningham, J. J., 390 Congress
Fassett, F. H. & E. F., 93 Exchange
Lane, Calvin S., 536 Congress
Libby, C. Edwin, 11 Exchange
Pease, Austin W., 11 Exchange
*Stevens, John Calvin, Oxford bldg
Stevens, Jno. Howard, Oxford bldg
Tompson, Fred'k A., Y. M. C. A. bldg
RUMFORD FALLS—Raynes, W. O.
TREMONT—Clark, Eben B.

MARYLAND.

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Anderson, Charles M., 324 N Charles
Anderson, Clarence E., Law bldg
Archer & Allen, Central Sav. Bank bldg
Baldwin & Pennington, Professional bldg
Beall, Fred. E., 218 St. Paul

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*Brauns, Henry, Professional bldg
Carroll, T. George, Continental bldg
*Cassell, Chas. E. & Son, Law bldg
Crisp, Herbert G., Calvert bldg
Davis, Frank E. & Henry R., 220 St. Paul
Eckstine, J. Edmund, 20 E Lex
Ellicott & Emmart, Union Trust bldg
Emmart, Paul, 210 W Fayette
Emory, Wm. H., Jr., Professional bldg
Finley, Henry J., Hoffman bldg
Flournoy, Park P., Jr., 21 E Mt Vernon pl
Forrest, A. Lowther, 417 St. Paul
Forsythe, John R., 232 St. Paul
Fowler, Lawrence H., 347 N. Charles
Frank & Kavanagh, Equitable bldg
Frederick, Geo. A., The Shirley
Freund, John, 210 E Lexington
Fritz, Clyde M., 11 E. Pleasant
Gerwig, Jacob F., 210 E. Lex
Ghequier, T. Butler, 227 St. Paul
Gieske, Walter M., Equitable bldg
Glidden, Edward H., 16 St. Paul
*Gott, Jackson C., Hotel Rennert
Hampson, Walter M., 207 St. Paul
Haskell & Barnes, 301 N Charles
Jones, Whitney W., 211 N. Calvert
*Kennedy, T. C., 211 N. Calvert
Laferty, J. Edw., 11 Pleasant
Leach & Cookman, 323 N. Charles
Levi, Louis, American bldg
Mackenzie, G. N., Govans Bldg.
McLaughlin Bros., 915 Bolton
Margruder, Hugh S., 19 W. Saratoga
Mason, Alfred, 746 W. Balto
Minor, W. L., 20 Clay
Morris, Geo. R., Equitable Bldg.
Mottu & Whyte, Professional bldg
Nussear, J. S., Jr., Professional bldg
Owens & Sisco, Continental bldg
Parker, Thomas, & Rice, Union Trust Bldg.
Potter, Abraham S., 105 Augusta av
Sill, Howard, 11 E. Pleasant
Simonson & Pietsch, American bldg
Smith, Wilson Levering, Law bldg
Sperry, Joseph E., Calvert bldg
Torrey, Francis E., Wilson Bldg.
Turnbull, Bayard, 12 E. Lexington
Tuzo, Paul B., 11 Pleasant
Wilson, J. A., Law bldg
Worthington, Geo., Law Bldg.
*Wyatt & Nolting, Keyser bldg
Zink, Carl H., Law bldg

CUMBERLAND—Butler, Wright
Sansbury, Geo. F.

HAGERSTOWN—Hunter, I. A.
Mack & Kountse
Rose, Louis

PIKESVILLE—Watts, Albert S.

POCOMOKE CITY—Stevenson, R. M.

ST. MICHAELS—Dodson, H. C.

SALISBURY—Mitchell, T. C.

WESTMINSTER—Case, Paul

MASSACHUSETTS.

ADAMS—Fleming, J. M.

ATHOL—Boyden, Mason A.

ATTLEBORO—Higgins, O. M.
Hyde, Karl H.

AYER—Stacy, D. E.

BEVERLY—Grush, Chas. E.
Harmon, W. H.
Swan, George

BOSTON—Adams, Rayne, 6 Beacon
Adden & Parker, 12 Bosworth
Alden, Henry B., 15 Exchange
Allen & Collins, 6 Beacon
Ames, John W., 15 Exchange
*Andrews, Jacques & Rantoul, State Mutual Life
Andrews, W. H., 101 Tremont
Appleton, W. Cornell, 53 State
*Atherton, Walter, 13 Exchange
Atkinson, Wm., 31 Beacon
Atwood, Harrison H., 61 Alban
*Austin, Chas. D., 128 Neponset av, Dor
Austin, Wm. D., 50 Bromfield
Bacon, Lewis H., 27 School
Bacon, Willard M., 27 Kilby
Baker, Chas. M., 6 Hancock av
Baker, Moses E., 31 Beacon
Barker, Edward T., 5 Park sq
Bartlett, J. Gardiner, 9 Ware av
*Barton, Geo. E., Tremont bldg
Bateman, C. J., 279 Washington
Beal, Columbia R., Tremont bldg
Beal, J. William, 62 Summer
Bellows, Robt. P., 8 Beacon
Benton, E. R., Equitable bldg
Berry, J. Lawrence, 6 Beacon
Besarick, John H., 185 Summer
Besarick, Wm. H., 13 School
Bigelow, Henry F., 3 Hamilton pl
Binney, Arthur, 70 Kilby
*Blackall, C. H., 20 Beacon
Blaikie, Edwin K., 46 Cornhill
Blevins, Albert H., 9 Park
Blinn, Alfred M., 89 State
Bodwell, Albert E., 27 School
Bond, Newton C., 141 Milk
*Boston Society of Architects, 2 Ashburton pl
Bosworth, Geo. F., 8 Exchange pl
*Bourne, Frank A., 70 Kilby
Bowditch, Arthur H., 7 Water
Boyden, Ernest N., 85 Water
Brainerd & Leeds, 89 Franklin
Brigham, Chas A., 8 Exchange pl
Brigham, Coveney & Bisbee, 184 Boylston
Brown, Chas. A., 67 Nelson Dor
Brown, Frank C., 9 Park
*Brown, Samuel J., 164 Federal
Brown, Willard D., 15 Beacon
Capen, G. Walter, 179 Summer
Carlson, Harry J., 22 Congress
Chandler, H. S., 31 Beacon
*Chandler, Jos. Everett, 31 Beacon
Chapman, E. R. B., 280 Boylston
*Chapman & Frazer, 8 Exchange pl
Chase, Wm. C., 95 Beacon
Chickering & O'Connell, 18 Boylston
Clark, Eugene L., 50 Bromfield
Clark, Theodore M., 15 Beacon
Clark & Russell, 128 A, Tremont
Clarke, Wm. E., 15 Court sq
Cleveland, Frank E., 15 Beacon
Clough & Wardner, 46 Cornhill
Cobb, Albert W., 84 Oliver
*Codman & Despradelle, 31 Beacon
Cogswell, Chas. N., Old South bldg
*Coit, Robert, 85 Water
Colby, H. W., 46 Cornhill
Collett, Wm. C., 50 Bromfield
Connor, G. Prescott, 5 Marlowe
*Coolidge & Carlson, 22 Congress
Cooper & Bailey, 87 Franklin
Couch, Lester S., 70 Kilby
Cox, Allen H., 6 Hancock av
Craig, John J., 35 Congress
*Cram, Goodhue & Ferguson, 15 Beacon
Crosby, G. Frde, 76 Studio bldg
Cummings, C. K., 144 Congress
Cummings, Walter C., 27 School
Cutter, Olin W., 683 Atlantic av
Dana, Edw. P., 112 Water
*Darrow, Alfred L., 113 Devonshire
Davidson, H. E., 6 Beacon
Davis, Wm. E. Jr., 12 Bosworth
Dennett, Hartley, 4 Joy
Derby & Robinson, 20 Beacon
Desmond, G. Henry, 15 Beacon
Destremps, Louis & Son, 205 Congress
Dillaby, Frank H., 101 Tremont
Dinsmoor, Wm. W., 28 School
Dudley, Wm. N., 46 Cornhill
Dunham, C. B., 6 Beacon
Dykeman, W. A., 27 School
*Emerson, Wm. R., 120 Tremont
Eskrigge, Frank T., 17 Milk
Faxon, John Lyman, 3 Hamilton pl
*Fernald, Geo. P., 70 Kilby
*Finneran, Geo., Old Court House
Fisher, Richard A., 8 Beacon
Fowler, J. Chandler, 34 School
Fowler, J. Chandler, 161 Devonshire
Fowler, J. Sumner, 19 Milk
*Fox, John A., 120 Tremont
*Fox & Gale, 3 Park
Frye, Jno. G., 280 Boylston
Fuller, Geo. A., 18 Tremont
*Gay & Proctor, 21 Bromfield
Gilmore, G. William, 7 Water
*Godfrey, Chester N., 15 Beacon
Gould, Aaron H., 17 Milk
Gowing, Frederick H., 18 Tremont
Graham, Edward T. P., 20 Beacon
Gray, Arthur F. (Mill), 53 State
Greco, Arthur F., 8 Beacon
*Greene, Jos. T., 12 Pearl
Greenleaf, L. C., 101 Tremont
Griffin, Tristram, 114 State
Halden, John C., 85 Water
Hall, Albert G., 46 Cornhill
Hamilton, Bradford, 163 Oliver
Harding, Wm. E., 84 Greenwood
*Hartwell, Richardson & Driver, 62 Devonshire
Hasty, John A., 46 Cornhill
*Henderson, Walter P., 144 Congress
Hettinger, C. F. & Co., 1140 Columbus av
Higgins, Geo. H., 110 State
*Hill, Warren C., 93 Federal
Hinds, Fred S. (Mill, etc.), 19 Milk
Howe, Geo. B., 15 Beacon
Howe, Lois L., 717 Tremont bldg
Hoxie, Edw. E., 420 Boylston
Hoyt, Edw. H., 220 Devonshire
Hughes, T. R., 112 Water
Hunt, Wm. H. & Co., 46 Cornhill
Hurd & Gore, 8 Beacon
Hutchins, Franklin H., 110 State
Hutchison, J. G., 101 Tremont
*Ingraham, G. H., 2 A Park
*Jackson, Allen W., 6 Hancock av
Jackson, Louis E., 6 Hancock av
Jackson, Robt. F., 6 Beacon
*Jacques, Herbert, 50 Congress
James, Thos. M., 15 Ashburton pl
*Jenney, Alex. S., 50 Bromfield
*Jones, I. Howland, 50 Congress
Kalman, Max M., 42 Court
*Kahlmeyer, John, 6 Beacon
*Kelley, James T., 57 Mt. Vernon
Kelley, Robt. B., 110 State
Kelley, Samuel Dudley, 209 Wash'n
Kelly, John W., 5 Fort av
*Kendall, Frank A., 53 State
*Kendall, Taylor & Co., 93 Federal
Keyes, Henry F., 116 Devonshire
*Kiessling, Calvin, 8 Beacon
Kiessling, Homer, 129 Metropolitan av
*Kilham & Hopkins, 9 Park
Kimball, Herbert S., 46 Cornhill
Lavalle, John, 7 Water
Lawrence, Amos A., 3 Hamilton pl
*Le Boutillier, Addison B., 8 Beacon
*Lee, James S., 6 Beacon
*Lewis, Edwin J., Jr., 9 Park
Lewis, G. Wilton, 84 School
Lewis, Wm. Whitney, 15 Exchange
*Little, J. Lovell, Jr., 15 Beacon
*Little & Browne, 70 Kilby
Lockwood, Greene & Co., 93 Federal
*Longfellow, A. W., Tremont bldg
*Longfellow, R. K., Tremont bldg
*Loring & Phipps, 53 State
*Load, Joseph Prince, 85 Water
*Lowell, Guy, Tremont bldg
Luippold, Jacob, 89 Mozart
McClintock, John T., 15 Exchange
McFarland, C. T., 46 Cornhill
McFarland & Colby, 48 Cornhill
McGinty, Wm. H., 101 Tremont
McLaughlin, Jas. E., 683 Atlantic av
McLean, Henry, Tremont bldg
McLean & Wright, 110 Tremont
Maggi, Alfred, 7 North sq
*Maginnis & Walsh, 100 Boylston
Mahoney, Frank W., 6 Beacon
Maynard, E. W., 226 Tremont
*Mead, Samuel W., 15 Beacon
Moffette, George, Jr., 45 Milk
Moore, Geo. A., 70 Kilby
*Morrison, Wm. L., 70 Kilby
Morse, Edw. P., 258 Washington
*Morton, H. W., 22 Congress
*Mulcahy, James, 683 Atlantic av
Murray, John F., 27 School
Murray, Leon B., 46 Cornhill
Murray & Hutchinson, 101 Tremont
Nevin, Chas. K. B., 6 Beacon
*Newhall & Blevins, 9 Park
*Newton, Geo. F., 6 Beacon
Nichols, Edward, 70 Kilby
Noble, Clinton, 52 Kilby
Norcross, F. A., 46 Cornhill
Norris, F. Edgar, Ford bldg
Nourse, Henry M., 100 Boylston
O'Grady, Thomas, 149 Mt. Vernon, W R
Oliver, Edwin H., 6 Beacon
Orr, Hugh, 20 Beacon
Page, W. B., Old South bldg
Park & Kendall, 8 Beacon
*Parker, Thomas & Rice, 110 State
Parker, Winthrop D., 12 Bosworth
*Parsons, G. E., 93 Federal
*Patch, Chas. E., 52 Kilby
*Peabody & Stearns, 53 State
Peare & Quiner, 15 Beacon
*Perkins, C. B., Ford bldg
Perkins, Harland A., 194 Boylston
*Phillips, Henry A., 120 Tremont
Phipps, Sanford, 53 State
Pinkham, A. B., 2604 Washington Box
Pope, Fred, 622 Tremont bldg
Powell, Frances G., 117 Wash'n Dor
Power, Richard W., Old Court House
Prescott & Sidebottom, 113 Devonshire
Preston, Henry J., 112 Water
*Preston, Wm. Gibbons, 6 Beacon
*Purdon, James, 8 Beacon
Putnam, Eliot T., 31 Beacon
*Putnam, John Pickering, 535 Beacon
Putnam & Cox, 6 Hancock av
Quigley, Wm. B., 205 Faneuil
Rantin, Samuel & Son, 1117 Columbus av
Rantoul, W. G., 6 Beacon
Reed, E. L., 220 Devonshire
Reid & McAlpine, 110 Tremont
Rice, L. Fredk., 1147 Old South
*Richards, Wm. P., 112 Water
Richardson, A. G., 9 Cornhill
Ripley, Herbert G., 8 Beacon
Ritchie, Jas., H. 110 State
Rowe & Keyes, 161 Devonshire
Russell, C. A. & F. N., 54 Warren, Rox
Russell, Jno. W., 128 Tremont
Ryan, Ida Annah, Tremont bldg
Safford, Morton D., 259 Summer
*Sargent, T. M., 172 Tremont

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*Sawyer, Ralph E., 31 Beacon
*Schweinfurth, J. A., 35 Congress
*Sears, W. T., 70 Kilby
*Shattuck, Geo. C., Ames bldg
Shaw, Thos. M., 15 Beacon
Sheehan, T. Edw., 945 Tremont bldg
*Shepley, Rutan & Coolidge, 122 Ames bldg
Silloway, T. W., 10 Tremont
Simonds, F. P., 7 Water
*Smith, F. Patterson, Equitable bldg
*Smith, Geo. L., 70 Kilby
Smith, Jno. J., Old South bldg
Smith, O. F., 70 Kilby
Smith, Wilfred H., 110 Templeton
Snow, E. A., 8 Exchange pl
*Somes & Parsons, 101 Tremont
Southworth, Hy. M., Board of Trade bldg
Spofford, Jno. C., 50 Bromfield
Spring, Russell, 2-A Park
Stebbins & Watkins, 42 Chauncey
Stephenson, H. M., 100 Boylston
Stevens, Edw. F., 93 Federal
*Stickney & Austin, 50 Bromfield
Stratton, E. B., 16 State
*Sturgis, R. Clipston, 120 Boylston
Sullivan, Matthew, 100 Boylston
Sylvester, Edmund Q., 31 Beacon
Taylor, W. Hart, 50 Bromfield
Thayer, O. A., 89 Franklin
Thompson, S. Bayard, 15 School
*Tilden, Geo. T., Old South bldg
Tirrill, Edwin F., 15 Exchange
Tobey, S. Edwin, 110 Summer
Turner, Alfred C., 053 Atlantic av
Underwood, H. T., 46 Cornhill
*Untersee, F. Joseph, 49 Federal
*Vaughan, Henry, 29 Pemberton sq
Vinal, Artnur H., 19 Milk
Viving, Jno F., 93 Federal
*Wakefield, F. Manton, 9 Park
*Wales, Geo. C., 15 Beacon
Walker, Ambrose W., 9 Cornhill
*Walker, Chas. H., 15 Beacon
Ward, Stetphen S., 153 Stanwood Dor
Warren, Clinton J., 7 Water
Warren, Lyman O., 112 Academy Hill rd
Warren & Gerrish, Exchange bldg
*Warren & Smith, Equitable bldg
Watson, Robert A., 38 Hillside
Weaver, Arthur N., Old South bldg
Weissbein, Louis, 40 State
West, Albert E., 110 State
*Wetherell, Geo. H., 9 Park
Wheelwright, A. W., Hotel Victoria
*Wheelwright & Haven, 220 Devonshire
Wilson, Edward I., 101 Tremont
*Winslow, Bigelow & Wadsworth, 3 Hamilton pl
Woodbury, Daniel H., 53 State
Wright, Alonzo D., 40 State
Wright, A. H., 110 Tremont
Wright, Jas Hayden, 8 Beacon

BRIDGEWATER—Dow, R. N.
BROCKTON—Barlow, W. F., Jr.
Ellis, J. Lewis
Howard, Waldo V.
Irving, David
Mitchell, Clarence A.
Olson, Chas. T.
Westwood, John
BROOKLINE—Freeman, Harry S., 24 Littell rd
CAMBRIDGE—Bartlett, C. H., 689 Mass. av
Chamberlin, W. E., 27 Clinton
Douglas, Nathan, 5 Lee
McClare, C. Herbert, 649 Mass. av
Tyler, G. H. & Co., 689 Mass. av
CAMBRIDGEPORT—(See Cambridge)
CANTON—Capen, G. W.
CLINTON—Thissell's, Joshua Son
COHASSET—See Boston
DALTON—Turner, W. L.
DANVERS—Amend, Albert G.
EVERETT—Wood, Geo. H.
FAIRHAVEN—Bisbee, Henry V.
FALL RIVER—Corbett, Edw. M., 70 Bedford
Darling, J. M., 56 N. Main
Destremps, Louis G. & Son, 56 N. Main
Marble, Chas. A., 367 Robeson
Marvell, E. I., 57 N Main
FITCHBURG—Francis, Henry M. & Sons, 387 Main
GARDNER—Boutelle, Cyrus F.
GLOUCESTER—Phillips, Ezra L.
GREAT BARRINGTON—Ambach, Geo. A. Co.
GREENFIELD—Drew, M. R.
GROTON—Park, Lawrence
HAVERHILL—Damon, C. Willis
Evans, Robt. R.
Perkins & Bancroft
HOLYOKE—Alderman, Geo. P. B. & Co.
Chase, R. S., 225 High
Clough, J. A., 281 Hampden
Ellsworth & Howes, 365 Dwight
Howes, W. J., 235 High
Reid, Wm. B., 280 High
HOPKINTON—Phipps, Sanford
HYDE PARK—Higgins, O. M.
Suck, Adolph
LAKEVILLE—Anderson, W. L.
LAWRENCE—Adams, Geo. G., 288 Essex
Allen, J. E., 288 Essex
Ashton, John, 477 Essex
Cullinane, Richard, 288 Essex
Kimball, W. A., 114 Howard
Knapp, J. G., 288 Essex
Regan, Wm. P., Essex Savings Bank Bldg.
Smith, Horace H. (mill), Bay State Bldg.
LEE—Moul, H. S.
LEOMINSTER—Davis, F. L.
Page, Leroy J.
Stacy, Harry H.
LITTLETON—Woodbury, D. H.
LOWELL—Clark, Edwin R., 295 Central
Davis, Millard F., Hildreth Bldg.
Floyd, Warren L., 18 Shattuck
Gardner, Everett M., 198 Holyrood av
Gilbert, Perley F., 53 Central
Graves, Harry Prescott, 40 Middlesex
Roach, Jos. S., 40 Middlesex
Stickney, Austin & Rourke, Hildreth bldg
LYNN—Burk, Michael F., 324 Union
Davidson, B. F., 7 Bloomfield
Earp, Edwin, Jr., 333 Union
Rogers, Hamilton E., 25 Exchange
Rogers, Henry W., 25 Exchange
Sanborn, Dana A., 38 Exchange
Varney, Penn. 25 Exchange
Wheeler & Betton, 59 Exchange
MALDEN—See Boston
MARLBORO—Bigelow, James F.
MELROSE—Dow, Lewis, A.
METHUEN—Barker, Morris
MILFORD—Collins, Walter L.
Cook, Rob't Allen
Hughes, Frank M.
NEW BEDFORD—Bullard, E. G., O. F. bldg
Destremps, Lewis E., Masonic bldg
Hammond, C. & Son, 179 N Water
Smith, Nat. C., Merchants Bank bldg
Williams, John, 77 Merrimack
NEWBURYPORT—Adams, R. G.
Bailey, John B.
Knight, Carl M.
NEWTON—Fisher, Gurdon R., 268 Lave av.
Gay, Jos. B., 48 Bracebridge rd, N C
NORTH ADAMS—Barlow, Edwin T.
NORTHAMPTON—Pratt, W. F.
Putnam, Roswell, F.
PITTSFIELD—Harding & Seaver, 7 North
Haynes, Geo. E., 311 North
McLaughlin & Siebert, North st
Vance, Jos. M., 24 North
*Wilson, H. Neill, 24 North
PLYMOUTH—Goddard, Fred A.
READING—Davis, Chas.
SALEM—Balcomb, Edwin B., 228 Sussex
Bickford, John H., 34 Buffum
Dennis, Wm. D., 210 Essex
Fanning, Geo. H., 209 Essex
Giroux, Jos., 42 Harbor
Rantoul, Wm. G., 8 Chestnut
SOMERVILLE—Buckley, Elmer, 47 Rogers av
SOUTHBRIDGE—Clemence, G. H.
SOUTH FRAMINGHAM—Barnes, Chas. E.
SPRINGFIELD—Donahue, J. W., Walker bldg
Foster, John W., 118 Allen
Gardner, E. C. & G. C., 33 Lyman
Green, Sam'l M (Inc.), 318 Main
*Kirkham & Parlett, 25 Harrison av
Le Vere, C. Fay, Long Meadow
Pyne, Geo. R., 31 Elm
Seabury, B. Hammett, Besse bldg
Taylor, G. Wood, 425 Main
Tinker, C. A., 21 Elm
Wozny, Bruno, 375 Main
STONEHAM—Douglass, Harvey D.
STOUGHTON—Marston, I. Bertram
SWAMPSCOTT—Burgess, Chas. V.
TAUNTON—Park, Walter L.
Smith, Gustavus L.
WABAN—Bacon, Lewis
WAKEFIELD—Perkins, Harland A., 10 Pearl
WALTHAM—Strout, Geo. E., 39 Fiske
WAYLAND—Cooper, Frank T.
WELLESLEY HILLS—Stevens, Chas. F.
WESTFIELD—Holton, Augustus W.
WESTON—Jenny, Alex. S.
WEYMOUTH—Vining, Jno. F.
WORCESTER—Carlson, Edwin, 34 Jefferson
Chapin, Edwin T., 340 Main
*Clemence, Geo. H., 405 Main
*Cutting, Carleton & Cutting, 44 Front
*Earle, Stephen C., 339 Main
Fisher, Clellan Waldo, 340 Main
Fitzgerald, Edward P., 340 Main
*Frost, Briggs & Chamberlain, 390 Main
*Fuller & Delano Co., 452 Main
Harrington, Augustus J., 71 Exchange
Harvey, Wm. H., 311 Main
Kingston, John P., 518 Main
Lebeau, Francois A., 26 Vernon
*Lincoln, Chas. H., 6 Park av
Nault, Onesime E., 8 Wall
Newton, B. S., 1125 Pleasant
Topanelian, Edw., 340 Main
Tribe, Geo. T., 306 Main

MICHIGAN.

ADRIAN—Matthes, C. F. & Son
ALMA—Chase, J. G.
Wood, E. M.
ANN ARBOR—Parke, Julius L.
Pipp, Herman
†Sauer, C. A. & Co.
Scott, Geo. Henning blk
Stanton, S. Mc.
Zells, L. F.
ARMADA—Dickens, Chas. B.
BATTLE CREEK—Arnold, E. W.
Carney, Maurice P.
Halladay, Wm., H.
Murray, Jay H.
Ordway, A. D.
BAY CITY—Carpenter, F. A.
*Clark & Munger
Floeter, P. C.
Pratt & Koeppe
BENTON HARBOR—McKellar, J. D.
BLISSFIELD—Dickinson, D. E.
BRIGHTON—Curry, L. M.
CALUMET—Campbell, Duncan
Marnell, P. H.
CARSON CITY—Heaton, H. G.
COMMERCE—Darling, Thomas
DELRAY—Kinnell, Joseph
DETROIT—Allen & Hill, Detroit Gas Co. bldg
Barcroft, Fred'k T., Penobscot bldg
Barnes, Chas. F. J., Tolsma bldg
Baxter & Odell, Hammond bldg
Bennett, Clarence H., 126 B'way
Bloquelle, Hugo, 163 Rivard
Braun, Geo. H., 220 Labrosse
Butterfield, Wells D., Stevens bldg
Carleton, Frank E., Home Bank bldg
Chamberlin, Harry W., Palmer bldg
Clements, Hugh B., Tolsma bldg
Claus, John S., 630 Campbell av
Coquard, Leon, 169 First
Coughlan, John W., 715 Champlain
Crittenden & Kotting, Ford bldg
Darlin, H. J., Majestic bldg
Dederichs, Peter, Chamber of Commerce bldg
Dillon, Wm. H., Wayne County B'k bldg
Donaldson & Meier, Penobscot bldg
Falkinburg & Miller, Goebel bldg
French, Albert E., Tolsma blk
Gies, Rowland C., Wayne Co. Bank bldg
Graves, Geo. Wm., Rowland bldgg
Gregory, E. W., cor. Grammond & Wood av
Harley & Atcheson Bank Chambers
Hill, W. Reed, Moffat bldg
Hunter, Wm. E. N., Cham. of Com. bldg
Ingraham, Geo. H., Penobscot bldg
Joy, Wm. S. & Co., Ferugson bldg
Kahn, Albert, Owen bldg
Kamper, Louis, Fine Arts bldg
Kastler, Jos. G. & Co., Chamber of Commerce bldg
Koehler, Chas. W., 818 Chamber of Com-
Kuehnle, A. G., Walker blk merce bldg
La Verne, Andrew J., 346 Penna av
*Malcolmson, Higginbotham & Clement, Mof-
Masin, Geo. D., 80 Griswold fat bldg
Mildner & Elsen, Hammond bldg
Miller, John Lawson, Goebel bldg
Mills, Joe. E., Washington Arcade
Mueller, Gustave A., Ferguson bldg
Myers, E. E., 732 2d av
Myers, G. W., 210 Bethume av
Nettleton & Weaver, Penobscot bldg
Oberson, Sam'l G., 322 Sidney av
Oglesby, Thos. P., 1059 Concord av
Oldfield, G. C., Majestic bldg
Phillips, Andrew, 842 Monroe av
Pollmar & Ropes, Cleland blk
Pottle, Geo. V., Detroit Gas Co. bldg
*Raseman, R. E., Penobscot bldg
Rice, Zachariah, 57 Fort, W
Rill, Harry J., 54 Buhl blk
*Rogers & Macfarlane, Penobscot bldg
Scott, John & Co., Ford bldg
Shefferly, F. Jos., 428 Monroe av
Shiels & Allister, 1719 Mich. av
Smith, Sheldon O., Home B'k bldg
Smith, Hinchman & Grylls, Wash'n Arcade
Spier & Rohns, Chamber of Commerce bldg
Stahl, John C., Jr., Detroit City Gas Co bldg
Stevens, Harry C. & Co., Wash'n Arcade
*Stratton & Baldwin, Union Trust bldg
Van Leyen & Schilling, Union Trust bldg
Varney, Almon C. & Co., 58 Newberry bldg
Vollmer, Wm. H., Cham. of Com. bldg
Walshe, Jas. J. & Co., Whitney bldg
Wardrop, Norval, Gladwin bldg
Wetzel, B. C. & Co., Hammond bldg
Williams Bros., Whitney bldg
FLINT—Brace, L. W.
Stark, H. W.
FREMONT—Koyl, Wm. H.
GRAND RAPIDS—*Allen, Frank P. & Son, Mich. Trust bldg
Benjamin, Thos. & Son, 475 Lake av
Clarke, W. M., Houseman bldg

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Daverman, J. H. & Son, Porter blk
Hopkins, F. F., 628 Cherry
*Osgood & Osgood, Widdicomb bldg
*Robinson & Campau, Houseman blk
Stone, G. L., 531 Widdicomb bldg
Vierhelig, C. G., Houseman bldg
Williamson & Crow, The Gilbert
HANCOCK—Liebert, H. S.
HARBOR SPRINGS—Mead, Earl H.
HERSEY—Goersman, B.
HILLSDALE—Baer, E. C.
HOLLAND—Daverman, J. H. & Son
Price, James
IONIA—Waterbury, Orry
Wright, H. G.
IRON MOUNTAIN—Lemieux, Jos.
JACKSON—Allen, Claire, Dwight bldg
Field, L. H., Jr.
IRON MOUNTAIN—Lemieux, Jos.
JACKSON—Allen, Claire, Dwight bldg
Field, L. H., Jr.
KALAMAZOO—Albertsoan, Dan J. (Mill)
Fairchild, Chas. A.
Gallup, Robert M.
Harris, G. H.
Le Roy, R. A.
Locey, J. D.
Rose, Albert E.
Van Volkenburg, F. D.
Worthington, A. M.
LANSING—*Bowd, E. A.
Churchill, Judson N.
Moon, D. B.
White & Butterworth
LAURIUM—Nystrom, C. E.
LUDINGTON—Boerner, Chas.
MAPLE RAPIDS—Hewitt, R. H.
MARQUETTE—*Charlton & Kuenzil
Gregory, H. H.
MOUNT CLEMENS—Van Damme, T.
NILES—Tillotson, W. I.
OWOSSO—Edwards, G. M. & Co.
PAW PAW—Hathaway, A. A. & Co.
PONTIAC—Fisher Bros.
Prall, Edw. R.
PORT HURON—Erb, Isaac, White, bldg
Harvey, Geo. L.
Kaumier, J. C. & Co.
ST. JOSEPH—Schwerdt, J. C.
SAGINAW—Boerget, B. Franklin, Heaevenrich
Bude Volusin, 733 S. Baum bldg
Cooper, W. T. & Son, 805 Hayden
Cowles, Clarence L., Chase blk
Hollister, F. W., Merrill bldg
SAULT SAINT MARIE—De Mar, Edward
TRAVERSE CITY—Moore, F. E.
Petersen, Jens. C.
WYANDOTTE—Harding, E. J., Bank bldg

MINNESOTA.

AUSTIN—Hayes, P. J.
Keefe, W. F.
CAMBRIDGE—Lind, Jos.
CROOKSTOWN—Strassburger, E. H.
DULUTH—Bray & Nystrom, Palladio bldg
†de Ward, J. R., Torrey bldg
German, S. G., American Ex. Bank bldg
Hunt, W. A., Lonsdale bldg
Kelly & Lignell, Lonsdale bldg
Olson & Magney, Sellwood bldg
Puck, A. W., Lyceum bldg
Radcliffe & Price, Palladio bldg
†Terryberry, Austin, Palladio bldg
Wagenstein, J. J., 401 Providence bldg
Young, Frank L. Co., Palladio bldg
FERGUS FALLS—Wright, V. A.
LAKE CITY—Alexander, E.
LUVERNE—Green, W. E. E.
MANKATO—Gerlach, H. C.
Pass, Geo.
Schippel, Albert
MARSHALL—Fulton, H. P.
MINNEAPOLIS—Anderson, Fred., 2810 Bryant, S
Bell, C. E., Tyne & Chapman, Northwestern bldg
Bertrand & Chamberlin, Bank of Com. bldg
Blix, Anthony J., Temple Court
Boehme & Cordella, Kasota bldg
Carter, Harry G., 630 E 15th
Chapman, Cecil Bayless, N. Y. Life bldg
Clausen, Arthur C., Lumber Exch.
Corser, Frederick G., N. Y. Life bldg
Dorr, A. L., Lumber Exchange
Downs & Eads, N. Y. Life bldg
*Dunnell, Warren B., 2408 Aldrich av, S.
Haley, E. C., Northwestern bldg
†Halladen, Paul O., Guarantee Loan bldg
Hewitt, E. H., 716 4th av, S
Jager & Straus, Security Bank bldg
Jones, Harry W., 916 Lumber Exchange
Kees & Colburn, Donladson bldg
Keith Co., 1722 Hennepin av
Kennedy, Ernest, Boston bldg
Kenyon, Wm. M., Metropolitan Life bldg
Kinney & Holden, Kasota bldg
Lamoreaux, L. A., Lumber Exchange
Lindstrom & Almers, Auditorium bldg
Long & Long, 830 Hennepin av
Marshall, R. E. 1201 Hennepin av
Orff, F. D., 613-15 Lumber Exchange
Parsons, W. B. Son & Co., Phoenix bldg
Purcell & Feick, N. Y. Life bldg
Russel Co., The, Century bldg
Saxton, Glenn L., Security bldg
Sedgwick, C. S., Lumber Exchange
Stebbins, E. S., Masonic Temple
Stone, Jacob Jr., Security Bank bldg
Turner, C. A. P., The Phoenix
Westphal, O. K., Northwestern bldg
*Whitney, Wm. Channing, Loan & Trust bldg
Wilkinson, W. A., Security Bank bldg
Wyckoff, W. C., 517 1st av. S
NEW ULM—§Amme, Hermann
Berndt, Julius
Heers, C. A.
RED WING—Longcor, Wm. J.
ROCHESTER—Jonson, J. G.
ST. CLOUD—Haas, S. H.
Hussey & Bergman, 707 7th av
ST. PAUL—Bassford, E. P. & C. A., Gilfillan blk
Buechner & Orth, Manhattan bldg blk
Denson, Jas F., Ger. Life bldg
Donohue, E. J., Gilfillan blk
Ellerbe, F. H., N. Y. Life bldg
Fitzpatrick, M. J., 17 W 9th
*Gauger, A. F., Scandinavian-Am. B'k bldg
*Gilbert, Cass, 524-526 Endicott bldg
Holyoke, T. G., Endicott bldg
Jogerst & Erickson, Essex bldg
*Johnston, Clarence H., Manhattan bldg
Kretz, Hermann, N. Y. Life bldg
Linhoff, Peter J., Nat. G. A. Bank bldg
Lockwood, Louis, Nat'l Ger. Amer. Bk bldg
MacLeod, Jas. Allen, Endicott bldg
Masqueray, E. L., Dispatch bldg
Postle & Mahler, Germania bldg
Reed & Stem, 601 Endicott bldg
Round, Olin H., Essex bldg
*Stevens, J. Walter, New York Life bldg
Thori, Alban & Fisher, Cham. of Com. bldg
Wheeler, Alfred H., Globe bldg
Wheeler, J. H., New York Life bldg
WINONA—Myhre, A. E.
Stevens, W. H.
ZUMBROTTA—Grover, C. L.

MISSISSIPPI.

BOONEVILLE—Alexander & Patrick
COLUMBUS—McClanahan, D. S.
Stansell, J. W.
Terry, Henry C.
GULFPORT—Roof, H. H.
JACKSON—Austin, H. N.
Hull, E. J.
*Hull, W. S.
Tinsley, W. P.
MERIDIAN—Krouse, P. J.
NATCHEZ—†Kitteringham, G. W.
VICKSBURG—Donovan, N. J.
Stanton, Wm. A.
WESSON—Woodin, A. T.
YAZOO CITY—†Davis, J. H. & Son

MISSOURI.

AURORA—Benjamin, A.
BEVIER—Chitwood, W. M.
BOONVILLE—Ravenel, Samuel W.
CAMERON—Merwin, Hugh
CANTON—Sason, E. N.
CARTHAGE—Ehlers, A., 1327 S Maple
Fearey, Robt. H., 420 Sycamore
Prather, J. A., 1101 S Maple
CHILLICOTHE—Garver, Wm. L.
COLUMBIA—Miller, F. P.
Duncan, A. T.
Pierce, Harry L.
DE SOTO—†Hemme, Charles
FULTON—Bell, M. F.
GLASGOW—†Rail, Gustav
GRANBY—Mathews, Lee
HANNIBAL—Martin, Malcolm
Schmitt, Ernest
HIGGINSVILLE—Boyer, W. C. & Son
HOPKINS—Akin, John A.
INDEPENDENCE—Walker, T. M.
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JOPLIN—Allen, Austin & Co.
Garstang & Rea
Michaells, A. C.
Newkirk, W. W.
KANSAS CITY—Allen, Austin & Co., Dwight bldg
Anderson, A. B., N. Y. Life bldg bldg
Ashley, A. J., 1221 Grand av
Boller, Carl, Nelson bldg
Braecklein, J. G., New England bldg
Brooks, B. H., Beales bldg
Brown, W. E., New Ridge bldg
Carman, George, Reliance bldg
Chamberlain, S. E., 8th & Grand
Curtis, R. A., Water Works bldg
*Curtiss, Louis, 1118 McGee
Dole, Arthur G., 1009 Admiral boul
Drake, H. A., Reliance bldg
Edwards & Sunderland, Sheidley bldg
Eisentraut Co.
Fall, Wm. B., 3500 Warwick boul
Faris & Carrier, Shukert bldg
Felt, J. H. & Co., New Shukert bldg
Frink, S. R., 10th & Walnut
Garvey, A. A., 2008 Indiana av
Gilman, Roger, New York bldg
Goddard, Otis, Reliance bldg
Greenleaf, W. E., Gumbel bldg
Guinotte & Thurtle, Champan bldg
Gunn, F. C., Postal bldg
*Hamilton, F. B., City Hall
Hansen, F. E., Water Works bldg
Harris, W. E., Portsmouth bldg
Hogg, J. O., N. Y. Life bldg
Howe, Holt & Cutler, 315 E 10th
†Hucke & Sexton Contract Co., Dwight bldg
Hunt, Jarvis, Dwight bldg
Jackson & McIlvain, Dwight bldg
Jacobs, H. M., 3314 Woodland av
Janssen, Ernest C., Chemical bldg
Keene & Simpson, Reliance bldg
Keely, Geo. L., Water Works bldg
Kurtiss, S. H., Scarritt bldg
Lee, J. R., 515 Main
Levering, L. L., 1615 Prospect
Lovitt, Walter U.
Ludlow, T. H., Ricksecker bldg
McDonald, Geo. E., Scarritt bldg
McKecknie, J. W., New York Life bldg
Madoris, Edgar P., Bryant bldg
*Markgraf, Rudolf, Keith-Perry bldg
Martling, J. H., 15 W 9th
Michaels, Fred'k H., Reliance bldg
Middaugh, L. G., K. C. Life bldg
O'Connell, Matt., New Ridge bldg
Owen, Albert S., Starritt Arcade
Parker, F. E., Kemper bldg
Plym, Francis J., Kemper bldg
Pomerantz, A., Bradley bldg
Ramp, L. F., New Ridge bldg
Rea, F. S., Finance bldg
*Root & Siemens, Scarritt bldg
*Rose, W. W., 715 Minnesota av
Sayler & Seddon, Gumbel bldg
*Schmidt, C. P., New Shukert bldg
Schrage, W. F., 43 E 32d
*Shepard & Farrar, Long bldg
Sherrill, Frank A., 912 Walnut
Short, I. M., 711 Euclid
Simons, H. J., Commerce bldg
Sloan, C. B., Sloan bldg
*Smith, Chas. A., Finance bldg
Somerman, Larey & Co., Commerce bldg
Steward, F. S. & Son, 1223 Magee
Stroeh, H. J., Kemper bldg
Sutter, D., 1214 Main
Tate, John W., Postal Tel. bldg
Thompson, J. Francis, Mass bldg
Troje, Robert, 2416 E 23d
*Turney, Albert, Sharp bldg
*Van Brunt, A. & Co., Reliance bldg
Vandenberg, C. C., New York Life bldg
Von Unwerth, B. A., 2905 Locust
Weathers & Curtis, Hall bldg
Wilder & Wright, First Nat. Bank bldg
Williams, J. C., New York Life bldg
Willis, Bixby, N. Y. Life bldg
Wilson & Price, Sharp bldg
Wright, Ward W., Schuttle bldg
MARIONVILLE—Benamin, A.
MARYVILLE—Eearcy, A. A.
ROLLA—*Hohenschild, H. H.
ST. JOSEPH—Bennett, J. H., 2617 Mitchell av
†Delevan, E. C., 1124 Frederick av
*Eckel & Roschen, Safe Deposit bldg
Hickman, G. M., Commerce bldg
Lynch & Cornelius, Safe Deposit bldg
Meier, Rudolph, Ballinger bldg
Powell, W. A., 416 N. 16th
Trunk & Helm, Hughes bldg
ST. LOUIS—Artel, Jno., 4230 Linton av
Baker & Knell, Olive c 9th
Barnett, Haynes & Barnett, Frisco bldg
Becker, Gerhard J., 2904 Bailey av
Berger, Richard A., 811 N 15th
Bishop, S. A., 215 N 12th
Boehmer, Otto J., 211 N. 7th
Boisselier, Caspar D., Missouri Trust bldg
*Bonsack, Frederick C., Pierce bldg
Bouchspies, Wm. F. C., 1601 S Grand av
Boyers, John A., 2726 Dalton av
Bradshaw, Preston G., 722 Chestnut
Breitschuh, Chas. N., 709 Pine
Bryan Architectural Co., 420 Olive
Burgdorf, Herman J., 2604 Virginia av
Cann, W. A., 705 Olive
Chamblin, E. Ross, 211 N 7th
Chivers, Herbert C. & Co., 721 Olive
Clymer & Drischler, 105 N. 7th
Colvin, Homer V., 2639 Thrush av
Cope & Stewardson, 319 N 4th

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Deitering, Chas. H., Olive & 7th
Donovan, Jos. D., 8301 Lucille av
Dunham, John M., 816 Olive
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*Eames & Young, Wright bldg
Eisner, Adolph W., 105 N. 7th
Emig, Christian G., 3711 Utah pl
Ewald, Laurence, 4th & Locust
Foell Architectural Co., 3347 California av
Fridrich, Chas. L., 5120 Wells av
Fuqua, Thos. B., 911 Chestnut
Garden, Edw. G., Chemical bldg
Gillick, Aloysius F., 319 W. Steins
Givens, Jos. B., 220 N 4th
Givens, Jos. W., 220 N 4th
Greene, Charles R., Liggitt bldg
Griebel, Frank L. E., 4292A Easton av
Groves, Albert B., 314 N. 4th
Gruen, Wm. H., 721 Olive
Guentert, Ell, 5817 Easton av
Hacker, W. Phillip, 4534 Cottage av
Haeger, Leonhard, 3844-A Utah pl
Haeussler, August F., 510 Pine
Hallock, Ross C. H., 6317 Clifton av
Hammons, Will L., 5735 Delaware av
*Heimburger, G. U., Merchants-Laclede bldg
Helfensteller, Hirsch & Watson, 721 Olive
Hellmuth & Spiering, 405 N. 6th
Herthel, John W., 324 Chestnut
Hess, Ernest J., 3416 Arsenal
Hesse, Jos. D., Arch'l & Bldg Co., 122 N 7th
Hershstein, J. M., Columbia bldg
Holloway, Chas. S., 407 N. 8th
Holly, Francis, 1841 S. 10th
Holtmann, Wm. F., 3635-A Liermann av
Hormann, Louis, 821 Chestnut
Hummel, Chas., 706 Chestnut
Janisch, Wenzel J., 2206 Missouri av
Johnston, Thos. D., 2108 Pine
Kennedy, Josiah W., 2911 Thomas
Kennerly, Geo. H., 202 N. 9th
Kessler, Geo. E. & Co., 906 Olive
Kirchner, August H., 1861 N. Market
Kirchner, H. Wm., Chemical bldg
Kirsch, R. G. Co., 407 N. B'way
Kirschstein, J. M., Columbia bldg
Klipstein & Rathmann, Chemical bldg
Klutho, Victor J., 915 Olive
Kubatsky, Otto, 4140-A N. Newstead av
Lee, T. C., Arch'l & Bldg Co., 717 Locust
Lellek, Jos., 3750 Hebert
Levy, Wm., Wright bldg
*Link, Theodore C., 308 N 6th
Loewe & Meagher, 407 N. 8th
Lucas, Wm. A., 816 Olive
Lynch, Jas. Hal, 625 Locust
McArdle, Montrose P., 721 Olive
McCarthy, J. L. D. Arch'l & Eng. Co., 816 Olive
McMahon, Wm. F., 105 N 7th
*McNamara, Jas. H., 6 N Grand av
Maack, Henry, 1742 Choutau av
*Manny, Edmund A., 319 N 4th
Mariner & La Beaume, Chemical bldg
Matthews & Clarke, 705 Olive
*Mauran & Russell, 721 Olive
*May, Chas. F., 408 Olive
Mehl & Muskopf, 393 N. Euclid av
Melcher, N. Henry, 310 Cedar
Milligan & Wray, Olive c 8th
Mounts, W. P., 1412 Rowan av
Nolte, Edw. F., 122 N. 7th
O'Malley, Patrick, 1742 N. Euclid av
Osterhorn, Robt., 1023 N. 6th
Parker, Francis A., 4128 Arsenal
Paulus, John D., 408 Olive
Peck, Austin, 706 Chestnut
Peipers, Henry E., 19 S. Broadway
Pendleton, Louis B., 705 Olive
Pipe, Geo. W., 5039 Maffitt av
Pomeroy, Chester W., 4338 Delmar boul
Popp, Oliver J., 816 Olive
Powers, Herbert W., 620 Chestnut
Preisler, Ernst, 918 Pine
Raby, Geo., 926 Maryville av
Raeder, Oscar W., 2227 Warren
*Ramsey, Chas. K., 105 N. 7th
Rankin, Jas. C., 211 N. 7th
Rapp, Theo., 3507 Chippewa
Riddle, Alex. J., 4227 Blaine av
Ridington, A. Blair, 122 N. 7th
Rivers, Julius F., 2633 Wash'n av
Roach, Harry F., 915 Olive
Rottler, Leo, 4221 Virginia av
Russell, Ernest J., Chemical bldg
Samuel & Beardsley, 423 Chestnut
Sanguinet, Reuben V., 407 N. 8th
Scharff, Arthur A., 722 Chestnut
Schleicher, Fred'k, 1315 Park av
Schumacher, Stephen O., 211 N. 7th
Schwartz, A. G., 407 N. Taylor av
Schwiete, Peter, 4348 De Soto av
Stauder, Jos. & Sons, 19 S. B'way
Stephens & Pearson, 705 Olive
Stewart, Frank L. Bldg & Realty Co.
*Taylor, Isaac S., 717 Locust
Traber, Oliver R. S., 122 N. 7th
Trueblood, Wilbur T., 5658 Von Verson av
*Tully & Clark, 319 N 4th
Victor Arch'l & Bldg. Co., 3447 Pestalozzi
Wageley, Geo. L., 5971 Easton av
Wagner, Wm. L., 3928 California av
Watson, Jesse N., Chemical bldg
Weakley, Raymond D., 705 Olive
Wedemeyer, Wm., 105 N 7th
*Wees, J. L., 214 N 6th
*Wessbecher & Hillebrand, 19 S B'way
Widmann & Walsh, 105 N 7th
Wilhelmi, Otto J., 406 Market
Wright, Alonzo W., 4299 D, Cook av
Wuest, Gustav P., 105 N 7th
Zeppenfeld, Richard, 5814-A Garfield av

SAVANNAH—Skuse, Richard H.
SEDALIA—Bast, T. W.
SPRINGFIELD—Foley & Schreiber, Merchants Nat'l Bank bldg
Miller, Opel & Torbet, Merchants Nat'l Bank bldg
Reed & Heckenlively, 126 Public sq
TRENTON—Love, S. P.

MONTANA.

BUTTE—Kenna, Herman, Miner bldg
Kent & Shandley, Hennessy bldg
Kent & Shanley, Hennessey bldg
Kern, M. D. & Co., Owsley blk
Link, J. G. & C. S., State Sav. B'k bldg
Nickel, R. A., 16 W. Granite
†O'Brien, W. A., 20 E. Quartz
†Passmore & Co., 25 W Granite
GREAT FALLS—Donovan, W. E.
Mowery, W. R.
HARLOWTON—Lea, R. R.
HELENA—Linke & Haire.
KALISPELL—Gibson, J. B.
LEWISTON—Cross, K. C.
Eastman, G. D.
Gaunt, Newton
LIVINGSTON—Hornbeck, F. S.
MISSOULA—Gibson, A. J.
Hamill, H. J.
Kennedy, John H.
Logan, Velters V.

NEBRASKA.

AUBURN—Bellas, Hugh
BEATRICE—Grant, R. W.
BLAIR—Vaughan, Louis
COLUMBUS—Pearsall, Jas.
Wurdeman, Chas.
FAIRBURY—Gernanet, W. F.
FALLS CITY—Hofer, A. E.
FREMONT—Dyer, A. H.
West, J. A.
HASTINGS—Bair, M. N.
Staley, O. N.
Way, C. W.
LINCOLN—Berlinghoff, Geo. A., Burr blk
Fisk & Delman, Richards blk
Leach, Marcus, Brownell bldg
Tyler & Brant, Burr bldg
Woods, Alfred W., 109 S. 10th
NORFOLK—Morrison, Alex
Stitt, James C.
NORTH PLATTE—Thomson, R. D., 127 6th
OMAHA—Barstow & Lemm, Paxton bldg
Brooks, W. S., 1610 Capitol av
Clarke, Fred'k W., 685 Brandies
Craddock, James H., 18th & Farnam
Creedon, P. J., Paxton blk
Davey, J. Jeffery, Brandies bldg
Deitrick, J. E., 540 Ramge bldg
Fisher & Lawrie, Paxton bldg
Frankfurt, H. D., Douglas blk
Guth, J. P., Paxton blk
Hall, Oliver A., N. Y. Life bldg
Henninger, F. A., New York Life bldg
Hicks, I. P., 30th & Fort
Kimball, Thos. R., McCague bldg
Krelle, F. W., 864 Brandies
Latenser, Jno., Bee bldg
McDonald, John, New York Life bldg
Mason, J. B., Paxton blk
Miller, Burt F., N. Y. Life bldg
Misener, W. T., 539 Ramge blk
Nachtigl, J. M., 1803 Center
Petersen, Wm., Brander's bldg
Prinz, Geo. B., N. Y. Life bldg
Raapke, Bee bldg
Shields, Alexander, 1609 Webster
Weber, Perry, 531 S 25th av
White, Kesson, Bee bldg
SOUTH OMAHA—Davis, L. A.
Kiewit, Jno., Jr.
UEHLING—Haresen, L. P.

NEVADA.

HAWTHORNE—Hill, H.
RENO—Schadler, F. M.
Schadler, F. M.
Tesch & De Louchant
VIRGINIA CITY—Dickson, R.

NEW HAMPSHIRE.

CLAREMONT—Beckwith, H. R.
CONCORD—Forrest & Cunningham
Randlett & Griffin
Wheeler, Giles
DOVER—Ramsdell, A. T.
Richardson, J. E.
EAST GRAFTON—Smith, Alvin L.
KEENE—Foster, H. A.
Gordon, Geo. A.
LISBON—Whitcher, C. R.
MANCHESTER—Baker, J. Edw.
Butterfield, W. M. & Co.
Provost, Wilfred E.
Whitcher, C. R.
MILTON—Jones, I. W.
NASHUA—Holt, Duane F. & Son
Locke, Miss Harriet F.
NEW LONDON—Smith, Reverdi
PENACOOK—Sanders, C. H.
PORTSMOUTH—Paul, Henry S.
ROCHESTER—Dame, John W.

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Nostrand, Eugene S.
Pearsall, Wm. Rice
Scrimshaw, Jas. F.
Zachau, Carl F.
ASBURY PARK—Arend, Ernest A.
Cottrell, W. C. & A. F.
Dodge, Paul L.
Smith, Clarence W.
Stroud, Jas.
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Dobbins, Steward G.
Hewitt, Wm. S.
Mann, Harry C.
Ogden, Jos. R.
Shumway, Harvey J.
Stout, Howard A.
Vaughn, S. Hudson
ATLANTIC HIGHLANDS—Emery, Thos. G.
Price, Max C.
AVON—Bodine, Frank V.
BAYONNE—Anderson, Donald G., 982 Ave C
Bagnell, Jas., 240 B'way
Guise, Philip, 96 W. 82d
Horwitz, Sam'l S., 505 Ave D
Reilly, Eugene F., 228 Ave D
Scheffer, Morris L. J.
Schmidt, Aug., 330 Ave D
Schmidt, J. J., 352 Ave C
Schule, Amand, 360 Ave C
BELMAR—Allen, W. E.
Hooper, Wallace G.
BERNARDSVILLE—Diehl, James
BEVERLY—Street, J. Fletcher
BLOOMFIELD—Almar, L. Jerome
BOONTOON—Darress, Clair
BORDENTOWN—Fowler, Percy L.
BRADLEY BEACH—Benner, Elmer C.
BURLINGTON—Allinson, Geo. A.
Brown, Henry A.
CALDWELL—Bartlett, Herbert F. J.
Lockwood, Lynn G.
Luehman, August T.
CAMDEN—Davis, Rich D.
Lackey, Benj. H.
Moffett, Herbert N.
Stephen, Thos.
CARLSTADT—Wulling, Jno., Sr.
CHATHAM—Poole, Geo. E.
CLIFTON—De Rose, Joseph
COLLINGSWOOD—Rice, Harry H.
CRANFORD—Bell, Clyde Chas.
Bragdon, Wm. B.
Collins, D. C. N.
Hollingsworth, Frank
DOVER—Mullison, Chester D.
Vreeland, J. J., Jr.
EAST NEWARK—(See Newark)
EAST ORANGE—Baker, John E., 62 Morton pl
Bower, W. Frank, 12 Evergreen pl
†Bowman, Wm. T., 25 S Walnut
Bush, Irvin J., 173 S. Nunn av
Butterfield, Wm. H., 85 Chestnut
Eagles, Israel C., 153 N 16th
Grant, Jos. W., 145 Glenwood av
Krug, Geo. E., Metropolitan bldg
Lippert, Franz G., 178 Central av
Schmidt, Wm. C., 520 Springdale av
Teets, Geo. E., 28 Wash'n pl

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Whittemore, Samuel W., 7 Prospect
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Hayek, Andrew A.
ELIZABETH—Beatty, J. B., 72 Broad
Clum, Wm. E., 210 Broad
Hoover, W. H., Jr., 244 Broad
Oakley, J. A. & Son, 1201 E Broad
Poggi, C. Godfrey, 2 Julian pl
Provoost, David B., 78 Broad
Quien, Louis, Jr., 251 Elizabeth av
Wind, Jacob, Jr., 208 Broad
ENGLEWOOD—Aymar, Ernburg H.
FREEHOLD—Conover, Warren H.
GARFIELD—Harrop, Jno. T.
GLENRIDGE—Webb, Gregory B.
GRANTWOOD—Drew, Geo. S. Jr.
Sibley, Charles E.
HACKENSACK—Atwood, Leland M., 152 Main
Bogart, Cornelius V. R., 185 Main
Collins, Geo., Stanley pl
Gray, Coleman, cor River & Salem
Light, Wm. U., Vanderbeck pl
Lowndes, Wm. Shepherd, Grand av
Read, Dean D., 82 Park
HARRISON—Breitenbucher, Geo. W.
Kennedy, Joseph
HASBROUCK HEIGHTS—Morrison, A. B.
HOBOKEN—Beyer, Max, 81 River
Brokhaus, Geo. C., 402 Washington
Brummerhop, Philip, 118 Park av
Ciccarelli, Eugene, 2nd Nat'l Bank bldg
Fall, Chas., 14th & Washington
Hilpert, Jno. A., 812 Garden
Meystre, Louis & Son, Savings Bank bldg
Nies, Frank J., 115 Ferry
Steigleiter, Fred'k, 92 Hudson
HUDSON HEIGHTS—Croissant, Eugene F.
IRVINGTON—Allen, Jos. B.
Lemmer, Fred'k
Moll, Wm.
Sonnenberg, Jos.
KEARNEY—Warren, Jno. B.
JERSEY CITY—Armstrong, John Jr., 175 Duncan av
Bogart, Wm. H., 712 Bergan av
Broome, Lewis H., 76 Montgomery
Cardiff, Jos. A. F., 288 Monmouth
Eurich, Frank A., 15 Exchange pl
Feinen, L., Jr., 3649 Boulevard
Flagg, Geo. A., Jersey City Tr. bldg
Giele, Louis H., 147 Hutton
Glanzmann, Fred'k W., 682 Ocean av
Guhl, Emil, 19 Charles
Hall, Chas. F. A., 122 Vroom
Hankin, Walter, Clinton av
Helmers, Jno. G., 431 N. Y. av
Insley, Edward W., 402 Central av
Jaerschky, Fred'k A., 15 Exchange pl
Lamster, Edw. J., 6 Mercer
Lindsay, Jas. C., 163 Randolph av
Long, C. Frederick, 1 Montgomery
Neumann, H. & W., 202 Ogden av
O'Neill, Jno. J., 14 Oakland av
Patterson, Edward M., 1 Montgomery
Pia, Albert E., 441 Fairmount av
Quaife, Ernest E., 66 Harrison av
Raymond, H. Newman, 771 Ocean av
Resch, Jno. A., 170 Lexington av
Ripp, Geo. F., 17 Virginia av
Roberts, Hugh, 1 Exchange pl
Rodman, Chas. B., 6 West
Rossell, Harry Combes, 688 Ocean av
Rowland, John T., Jr., 15 Exchange pl
Sailer, Rudolph W., 76 Montgomery
Smith, Robert P., 576 Newark av
Stork, Edw. J., 212 Hancock av
Tilton, Wm. A., 76 Montg'y
Von Arx, Geo. W., 15 Exchange pl
Wielbacher, Philip, 85 Booraem av
Wolfe, Wm. H., 745 Grand
Ziegler, Christian H., 76 Montgomery
KENILWORTH—Adams, G. L.
KEYPORT—Young, H. A.
LAKEWOOD—Delatush, Jacob Chas.
Thomas, John B.
LOCUST POINT—Vanderhoof, Chas. A.
LONG BRANCH—Cubberly, Leon
Seymour, Hugh B.
Wilson, Clarence D.
MAPLEWOOD—Main, Lucius Clark
MAURER—Lieban, Gustav H.
MERCHANTVILLE—Brooke, Chas. J.
Macomb, Henry A.
Morton, John Edgar
Truscott, Arthur
MILLBURN—Dow, J. W.
Wright, Frank A.
MONTCLAIR—Bloodgood, Wm. E., 9 Gates av
Dodd, Jno. C., Appleton pl
Fisher, H. Messinger, 483 Bloomfield av
Lockwood Jesse H., 329 Bloomfield av
Myers, Christopher, 460 Bloomfield av
Norris, Albert F., 118 Union
North, Effingham R., 488 Bloomfield av
Siglet, Ira, 74 Valley rd
Styles, John E., 64 Willowdale av
Van Antwerp, Dudley S., 483 Bloomfield av
Vickers, Arthur, 26 Waterbury rd
Weeks, Raymond D., 460 Bloomfield av
Yost, Henry L., 481 Bloomfield av
MONTCLAIR HEIGHTS—Simpson, Alfred W.
MOORESTOWN—Le Coney, Wm. G.
MORRISTOWN—†Mills, Geo. A.
Pierson, Walter B.
Vandoren, Wm. C.
Walsh, Rob't C.
Weir, Collins, B.
NEWARK—Apgar, Jno. A., 246 N 7th
Arenander, Carl E., 587 Summer av
Aschenbach, Walter J., 349 Plane
Aserkamp, Francis, 59 13th av
Backoff, Geo. W., 22 Clinton
Baechlin, Henry, 45 Clinton
*Baldwin, Chas. P., 45 Clinton
Bartlett, W. Orrin, 738 Broad
Bertrand, Chas. F., 7 Mt. Pleasant av
Bigelow, Frederic, 857 Broad
Brady, Harold B., 27 Academy
Bottelli, Romolo, 191 Market
Bush, Irvin J., 119 N. Munn av, V
Byles, Chas. J., 58 Wakeman av
Campbell, Geo. W., 171 Broad
Capen, John F., 45 Clinton
Charles, Peter, 11 Clinton
Conklin, H. King, 45 Clinton
Connelly, Arthur, 92 Market
Cook, J. Fred., 45 Clinton
Cressey, Thomas, 800 Broad
Dettlebach, Harry, 222 Washington
Dodge, Harvey E., 90 Burnet
Dulje, Chas. T. R., 82 Oraton
Ely, J. H. & W. C., 800 Broad
Erler, Richard W., 45 Clinton
Grad, Frank, 137 Springfield av
Grant, Edw. E., 397 Washington av
Hasselman, Fred'k R., 185 Market
Havell, Hy. D., 22 Clinton
Heintzelman, Andrew, 73 Burnet
Heyne, Aug. D., 121 Oraton
Higby, Gilbert C., 45 Clinton
Hooper & Co., 118 Market
Hopper, Daniel A., 744 S. 15th
Hughes, T. Cecil, 22 Clinton
Hurd & Sutton, 11 Clinton
Jones, W. Davenport, 881 Broad
King, Hy. J. & J. V., 22 Clinton
Kitchell, Bruce P., 738 Broad
Kleeman, August M., 493 S. 10th
Knopf, Chas., 459 18th
Kreitler, Herman, 45 Clinton
Lehman, Wm. E., 738 Broad
Linnett, Wm. M., 70 S. 10th
MacLagen, Peter T., 45 Clinton
McMurray & Pulis, 22 Clinton
Metzger, Herman, 240 Market
Myers, Nathan, 238 Wash'n
*O'Rourke, Jeremiah & Sons, 11 Clinton
Peter, Alfred, 238 Washington
Phelps, Frederick A., 15 Clinton
Phillips, Albert, 70 Park pl
Pigott, Jas. S., 15 Clinton
Rahm, Jno. C., 179 Market
Reeve, H. E., 818 Prudential bldg
Rizzolo & Gonnelli, 800 Broad
Rosensohn, Hyman, 745 Broad
Schoenig, Wm. K. & Son, 418 Springfield av
Sellick, Robert, 222 Market
Silberstein, M. B., 63 Market
Staehlin, Gustavus, 238 Wash'n
Steinbrenner, Chas. L., 156 Market
Strombach, Julius, 238 Washington
Swinnerton, Jas. C., 351 Clifton av
Thomson, A. H., 222 Market
Valentine, Chas. M., 270 Passaic
Virtue, Lincoln A., 40 Clinton
Walters, Alfred, 45 Clinton
Warren, Edward V., 22 Clinton
Warren, John B., 22 Clinton
Webster, Fred'k, 11 Clinton
Wehrle, Martin J., 17 Lanark av
Weiler, Henry J., 167 Hamburg pl
Wurth, Ed. A., 11 Clinton
NEW BRUNSWICK—Blish, J. Arthur, 363 George
Merchant & Boylan, 384 George
Parsell, Geo. K., 363 George
Williamson, D. D., 384 George
NORTH BERGEN—Marcy, Paul A.
NORTH PLAINFIELD—Clum, Wm. H.
Force, Chas. L.
Smith, Chas. H.
NUTLEY—Eliot, Clive S.
Lambert, Wm. A.
OCEAN CITY—Champion, Jos. G.
OCEAN GROVE—Carman, Wm. H.
ORANGE—Baldwin, Chas. Henry, 252 Main
Colt, Samuel S., 91 N Centre
*Eichhorn, Augustus, 81 Essex av
Krug, Geo. E., 230 Main
Lamb, John J., 222 Main
McCulloch, Robt. A., 11 High
Marsh, Jos. J. & Fred T., 17 Cone
Melendy, Geo. E., 204 Center
PARKRIDGE—Foster, Geo. W., Jr.
PASSAIC—Doane, Edward P., 185 Main av
Fritz, Herman, 229 Main
Hettema, Harry A., 260 Autumn
Kelly, Jno. F., P. O. bldg
Meeker, Wm. M., 187 Main
Prieskel, Abram, Hobart Trust bldg
Strong Lambert, Main & Harrison
Struyk, Jno. S., P. O. bldg
Tenis, Peter J., Hobart Trust bldg
Twist, Ernest E., 229 Main
Van Winkle, Cortlandt J., 257 Main av
Warnaar, Henry, 82 Midland av
Waterhouse, Chas. B., 257 Main av
Witte, Aaron, 128 Madison
PATERSON—Ackerman, Wm. S., 5 Colt
Angelicola, V. & A. F., 32 Cedar
Crosby, Henry B., Jr., First Nat. Bank bldg
DeRose, Jos., 119 Ellison
Dickinson, W. Elbert, 170 Market
*Edwards, Chas., Market & Main
Fanning, Wm. T., Colt bldg
Godeffroy, Richard, 5 Colt
Houman, Marinus, 10 Park av
Mackintosh, Alex, 5 Colt
Males, Valard L., 223 Summer
O'Neill, Wm. H., 153 Slater
Rahm, August J., 140 Market
Rogers, Samuel, Paterson Sav. Inst. bldg
Schwarz, Fred'k J., 336 Getty av
Sleight, Chas., 136 Washington
Stephens, Harry Thornton, United B'k bldg
Vermeulen, Wm. Christian, 125 Ellison
Wentworth, Fred. W., Citizens' Trust Co.
White, Chas. E., 12 Hamilton bldg
PERTH AMBOY—Dayton, Jno. H.
Growney, Jas.
Jensen, Jeno K.
Pierson, John Noble
Smith, C. Howard
PLAINFIELD—Aalholm, A. C.
Detwiller, Chas. H.
Fosgate, Blanchard
French, Edw. V.
Karr, Corydon P.
Lancaster, Fred L.
Marsh, Augustus L.
Metcalf, Fred R.
PLEASANTVILLE—Rogers, Harry V.
RAHWAY—Ryno, W. L.
RED BANK—Shoemaker, Wm. A.
Swannell, Jos.
RIDGEFIELD PARK—Crandall, Edgar A.
Lozier, Cyrus J.
Mehrhof, Chas E.
RIDGEWOOD—Clinton, De Witt, Jr.
Fornachon, Maurice
Keyser, Chas. S.
Townsend, Boyd A.
Zabriskie, Walter C.
ROCHELLE PARK—Ihnen, Henry S.
ROSELLE PARK—Broome, Jos.
Polhemus, Peres B.
ROSELAND—Case, W. Earle
SEABRIGHT—Jahnes, Nath'l
SOMERVILLE—Vanderbeek, Jacques
Van Nuys, P. O.
SOUTH ORANGE—Colley, Chas. E.
Duncklee, Jno. B.
Grant, Chas. C.
SPRINGFIELD—Carter, Wm. P.
SUMMIT—Cady, Jno. N.
Penniman, Julian A.
Shapter, Rich. S.
White, Benj. V.
TOWN OF UNION—(See Weehawken.)
TRENTON—Acock, Fred'k, 40 E. State
Bamford, Wm. Brokaw, Hamilton & Chestnut
Endebrock, Wm. P., 135 E. State
Finch, Hy. E., 144 E. State
Harrold, John W., 960 Brunswick av
Hill, Harry A., 40 E. State
Keeler, G. W., 138 W. Hanover
Klemann, Wm. A., First Nat'l Bank bldg
Osmand, Chas. S., 44 Yard av
Poland, W. A., 11 W. State
Swan, Abram, Broad Street Bank bldg
Tomlinson, Harry C., 631 Kent
UNDERCLIFF—Merseau, Ross
UPPER MONTCLAIR—(See Montclair.)
WATCHUNG—Kutz, Sam'l J.
WEEHAWKEN—Brefby, Jno. Conrad, 262 Hudson boul
Butz, Geo., 144 Bergenline av
*Diemer, Philip H., 128 Humboldt
Dixon, Rob't C., Jr., 148 Bulls Ferry rd
Huberti, Fritz, 117 Bulls Ferry rd
Kleinke, Ferdinand J., 129 Jane
Lugosch, Jos. D., 15 Bergenline av
Turck, Jos., 770 Bergenline av
Vivorttas, Percie A., 102 4th
Wilmington, Harvey V., 40 3d

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WESTFIELD—Collins, Edw. R.
Darsh, Chas. H.
Robinson, Robt. L.
WEST HOBOKEN—Hensel, Fred A., 248 Summit av
Lawrence, Herbert E., 431 Palisades av
McDermott, Edward, 582 Spring
McIntyre, Geo. B., Bank bldg
Randall, Chas. W., 201 Lake
Singer, John, Jr., 414 Spring
Soldwedel, Nicholas, 349 Clinton av
WEST ORANGE—Roos, Carl L.
WESTVILLE—Dickinson, Frank L.
WESTWOOD—Stever, Arthur J.
WHIPPANY—Geggenheimer, John P.
WOODBURY—Shivers, Clifford H.
WYOMING—Olcott, Horatio W.

NEW MEXICO.

ALBUQUERQUE—Cristy, Edward Buxton
La Driere, J. L.
Thorman, Otto H.
LAS VEGAS—Holt & Hart
ROSWELL—Nelson, J. M. & Co.
SANTA FE—Rapp, I. H. & W. M. Co.

NEW YORK.

ALBANY—Brownell, C. H., 119 State
DeForest, Herbert H., Tweddle bldg
Emery, Marshall L., 42 N. Pearl
*Fleischmann, Adolph, 59 N. Pearl
Fuller & Pitcher, 95 State
Hill, W. B., 43 State
Hunt, Geo. W., 71 State
La Rose, A. W., 100 Jay
Marshall, Chas E., 41 Beaver
Niver, Worthy, 195 Hamilton
Obenaus, Wm. J., Bensen bldg
Ogden & Van Guysling, 63 State
Reynolds, Marcus T., 100 State
Rose, Robt. J., 130 Chestnut
Schade, Wm. C., De Graf bldg
Selkirk, Alex., 31 N Pearl
Wichman, H. G., 3 N. Pearl
Woollett & Judson, 82 State
ALTAMONT—Wright, W. D.
AMSTERDAM—Cassidy, David D., Jr.
Hodge, F. H.
ASTORIA—See N. Y. City, Borough of Queens.
AUBURN—Armstrong, Frank H., Seward blk
Conklin, Mark, Seward blk
Elliott, J. M., Seward blk
Hilliger, Samuel E., Seward blk
BABYLON—Kellwin, H. J.
Van Weelden, H.
BALDWIN—Carretto, Gustave
BATAVIA—Homelius, H. W. & Son
†Howard, Merritt
†Hyde, M. P.
Morrison, J. Willard
BAY SIDE—(See N. Y. City, Borough of Queens)
BINGHAMTON—Dickerman, E. W., Perry bld
Gardner, H. A., Ackerman bldg
Lacey, Sanford O. & H. A., Phelps Bank bldg
*Lacey, T. I. & Son, Kilmer bldg
Van Slyke & Woodruff, Sav. Bank bldg
Vosbury, C. Edward, Binghamton Savings Bank bldg
Whitlock, Walter H., Security Mutual bldg
BREWSTER—Waite, Frank E.
BROOKLYN—See New York City, Borough of Brooklyn)
BUFFALO—Ruyer, Chas. A., Erie Co. Bank bldg
Beck, Howard L., Erie County Bank bldg
Berry, S. R., 445 Breckenridge
*Bethune, Bethune & Fuchs, 215 Franklin
Brickell, W. S., 595 Ellicott sq
Cary, George, 184 Delaware av
Colson & Hudson, 35 Dun bldg
*Coxhead, John H., 928 Ellicott sq
Dell, Emerson C., D. S. Morgan bldg
Detrick, L. A., Palace Arcade
Eckel, L. P. J., 191 York
*Esenwein & Johnson, Ellicott sq
Fayfield, Robt. C., Ellicott sq
Fischer, Philip, 514 Dodge
*Green & Wicks, 110 Franklin
*Harris, T. W., Erie Co. B'k bldg
Haussauer, Jacob S., 21 Ada pl
Henrich, Edw. G., Mutual Life bldg
*Holland, H. O., Mutual Life bldg
Huber, Raymond, 341 Franklin
Hudson, C. Gordon, 99 Livingston
*Kent, Edw. A., Ellicott sq
Kuch, Gottfried, 628 E. Ferry
*Lansing & Beierl, 371 Pearl
*Little, Hy. H., 56 Norwood av
McCreary, Wood & Bradney, Mut. Life bldg
Mathewson & Parsons, Law bldg
*Metzger, Edward, Prudential bldg
Metzger, Geo. J., 19 W Huron
Miller, M. C., Mutual Life bldg
Minks, A. & Son, 191 14th
Moeller, Edw'd H., 373 Pearl
*Mohr, Fred., 265 E Utica
Newcomb, E. A. P., 68 Niagara
Oberkircher, J., 46 Orange
*Orr, Ulysses G., 32 Builders' Exchange
Paul, Emil C., 808 Main
Perram, Henry T., Brisbane bldg
*Porter, Cyrus K. & Sons, 73 W Eagle
Post, A. A., Brisbane bldg
Reidpath, Robert J., Builders' Exchange
Rice, Henry, Lewis bldg
Saenger, Louis, 43 Krettner
*Schmill & Gould, Prudential Exchange
Schurman, Frank M., 18 Maple
Sliner, John J., 76 Thompson
Swan, Chas. D., 51 Day's pk
Terney, Chas. F., 45 N Division
*Waite W. T., 13 Ger. Ins. bldg
*Wallace, Robert A., Builders' Exchange
Wannenwetsch, C. H. A., 563 William
Wilkes, Oliver C., 42 Tyron Pl
Wolfe, Geo. Morton, 845 Ellicott sq
CARTHAGE—Patterson, A. W.
CATSKILL—Beardsley, C.
Warner, Geo. H.
CENTRAL SQUARE—Smith, Thos.
CHATHAM—Coon, Louis
Hunt, Alfred
COHOES—†Goddard, Wm. M.
Van Auken, Chas. H.
Van Auken, David H.
COOPERSTOWN—Edgerton, C. C.
CORNING—Tuthill, H. G. & Son
CORNWALL LANDING—Taylor, H. B.
CORONA—(See New York City Borough of Queens)
CORTLAND—Howes, M. F. & Son
DEPEW—Glade, John C.
EAST HAMPTON—Lawrence, J. Custis
EAST SETAUKET—Lyons, T. H.
ELMHURST—(See New York City, Borough of Queens)
ELMIRA—Considine, J. H., Robinson bldg
Dockstader, Otis, 103 W Church
Ingham, J. Q., 376 W Gray
*Pierce & Bickford, 118 Lake
EVERGREEN—(See New York City, Borough of Queens)
FAR ROCKAWAY—(See New York City, Borough of Queens)
FLUSHING—(See New York City, Borough of Queens)
FREDONIA—Curtis, E. A.
FREEPORT—Seaman, A. L.
FULTON—Cross, W. D.
GENEVA—Adams, Lloyd P.
GLENS FALLS—Lawrence, W. E.
†Potter, E. B.
Scales, W. J.
GOUVENEUR—†Johnson, Jas. H.
†Stacy, Geo.
HASTINGS UPON HUDSON—Hastings, F. L.
HUDSON—Moul, H. S.
O'Connor, M.
ITHACA—Gibb & Waltz, Trust Co. bldg
Miller, Wm. H., Sage blk
Vivian, Clinton L., 120 E State
Wilgus, Jno. M., 6 Wilgus blk
JAMESTOWN—Freeburg, Geo.
Hall, A. & Son
Mason, Joseph
JAMAICA—(See New York City, Borough of Queens)
KINGSTON—Rice, Thos. P.
Teller, Myron S., 280 Wall
LARCHMONT—Butterfield, Alonso C.
LITTLE FALLS—West, C. D.
LOCKPORT—Sylvester, J. W., 16 Pound
LONG ISLAND CITY—(See New York City, Borough of Queens)
LOWVILLE—†Rich, W. H. Son & Co.
MALONE—Conant, Henry N.
MAMARONECK—Leddy, Andrew
Perin, H. Corbey
Will, Edwin B.
MARATHON—†Holmes, John
MASPETH—(See New York City, Borough of Queens)
MATTEAWAN—Van Slyck, C. B.
MECHANICSVILLE—La Dow, J. S.
MIDDLETOWN—Canfield, D. H.
Lindsey & Son
Staib, Kester W.
MOUNT VERNON—Guttenberg, S. A., 37 Prospect av
Jenks, A. Murray, 42 S 4th av
Lucas, Herbert, Lucas bldg
MacKenzie, Colin, 136 Union av
Perry, James, 2 Park av
Rapelye, Henry S., 103 S 6th av
Stickles, Walter F., P. O. bldg
NAPANOCH—Norden, Andrew B.
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Eatabrook, Frank E., 75 2d
Sneed, Frederick M., City Hall bldg
NEW ROCHELLE—Birdsell, Christ J., 251 Huguenot
Burchell, Nath'l J., 51 Maple av
Kleist & Sagramoso, Syndicate blk
Lupprain, Chas. A., 180 Main
Pagan, Frank D., 57 Lawson
Sundberg, August, 280 Main
Winter, Frederick E., 244 Main
Youngs, W. H. W.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Allmendinger, Louis, 926 B'way
Bennett, Thos., 5123 3d av
*Berger, Louis & Co., 300 St. Nicholas av
Berlenbach, Francis J., Jr., 260 Graham av
Brock, Jos. A., 368 Van Buren
Buchar, F. W., 1774 Pitkin av
Cannella, Chas. P., 60 Graham av
Cassin, Walter L., 189 Montague
*Danancher, Louis, cor. Pitkin & Stone
Dangler, Harold G., 215 Montague
Debus, Wm., 914 B'way
Dennis, Ernest, 591 Liberty av
Dessau, Fred'k J., 1373 B'way
Driesler, Benj., 178 Remsen
Eisenis & Carlson, 5819 5th av
Engelhardt, Theobald, 905 B'way
Erda, Gustave, 795 Manhattan av
Finkensieper, Benj., 134 B'way
Fischer, Adam E., 862 Bushwick av
Foley, Michael M., 2247 Homecrest av
Freeman, Jno. J., 69 Douglass
Glover, J. G., 166 State
Hebberd, Chas. E., 134 B'way
Hedman & Schoen, 367 Fulton
Helmle & Huberty, 190 Montague
Hendrickson, Edmund H., 117 Ainslie
Holder, Henry, Jr., 242 Franklin av
Holmgren, Eric O., 129 Marion
Houghton, Thos. F., 218 Montague
Hudson, Benj. F., 2 Ocean Parkway
Hudson, Benj. J. E., 72 Coney Island av
Infanger, Chas. 2632 Atlantic av
Jesek, Julius A., 1703 B'way
Kennedy, J. Sarfield, 44 Court
Koch, Arthur R., 26 Court
Koch, Henry H., 48 B'way
Kreinbrink, Chas. J., 26 Court
Le Quesne, C. A., 779 E. 32d
McDonald, Jas. A., Surf av & W 24th
MacManus, A. J. & J. T., 44 Court
Madigan, G. Harry, 243 Withers
Millman, S. & Son, 378 Stone av
Millspaugh, G. Edw., 2413 Coney Island av
Morse, George L., 307 Wash'n
Mullin, C. Whitley, 189 Montague
Mumford, John, 189 Montague
Niebel, Jacob C., 59 Court
O'Neil, Francis A., 1110 B'way
Parfitt, Albert E., 26 Court
Parfitt Bros., 26 Court
Pfaff, Charles H., 197 Havemeyer
Pierce, A. White, 383 Jay
Pohlmann, Henry, 4807 5th av
Rasmussen, R. T., 850 B'way
Bissler, Andrew, 955 B'way
Roosen, Geo. F., 189 Montague
Ross, A. W., 540 Carlton av
Ryan, Wm. J., 164 Ryerson
Samenfeld, Lee, 409 Miller av
Sands & Wheller, 59a Reeve pl
Schaefer, Robt. T., 1524 Flatbush av
Schmidt, Siegfried H., 1169 Myrtle av
Shampan & Shampan, 772 B'way
Short, R. T., 2975 Fulton
Silkworth, Chas. E., Jr., 44 Court
Skrzyneki, Gustav A., 350 Fulton
*Slee & Bryson, 189 Montague
Spicer, H. L. & D. H., 309 Fulton
Thinnes, Jacob, Jr., 245 DeKalb av
Tillion, Philemon, 44 Court
Ullrich, Albert, 373 Fulton
Ultzen, William, 612 Herkimer
Vollweiler, Hy., 696 Bushwick av
Voss & Loritzen, 65 DeKalb av
Werner, Chas., 26 Court
Whipple, Henry D., Ocean av & Av T
Wills, Walter B., 32 Ditmars
Wunder, Fred'k & Son, 957 B'way

Boroughs of Manhattan & Bronx.

NEW YORK—Abramson, Louis, A., 788 E 165th
Ach, David M., 1 Madison av
*Adams, Wm., 15 W 38th
Ajillo, Gaetan, 1 W 34th
Albrecht, Frederick E., 345 E Fordham rd
Albro & Lindebeig, 481 5th av
Allen, Augustus N., 569 5th av
Allen, Jerome R., 345 5th av
Allen, J. Warner, 27 E 22d
Allen, Paul R., 1133 B'way
Allen & Collens, 37 Liberty
*Almirall, Raymond F., 51 Chambers
Amabile, Frank, 2416 Hughes av
Ambrosius & Hess, 3 E 42nd

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*American Institute of Architects, N. Y Chapt., 215 W 57th
Anable, Richard D., 3 E 28th
Anagnost, Wm., 2112 Lafontaine av
Andersen, Henry, 138 E 22d
Anderson, R. Napier, 63 5th av
Anderson, Walter B., 150 Nassau
Andrews, Frank M., Waldorf-Astoria
*Architectural League of New York, 215 W
Arctander, Arthur Co., 368 E. 149th 57th
*Atterbury, Grosvenor, 20 W 43d
Audsley, W. & G., 18 W 27th
Avolin, Hugo H., 961 Stebbins av
Ayres, Louis D., 156 5th av
*Babb, Cook & Welch, 3 W. 29th
Bacon, Henry, 160 5th av
Baer, Herbert M., 542 5th av
Baker, Hewlett S., 258 E. 138th
*Baker, Jas. B., 156 5th av
Balch & Moatz, 10 E. 33d
Ballantyne, Henry F., 244 5th av
Bannister & Schell, 69 Wall
Barber, Donn, 24 E 23d
*Barlow, Alfred E., 5 W 31st
*Barney, J. Stewart, 520 5th av
Barton, Geo. E., 225 5th av
Bates, Wm. A., 25 W 42nd
Bandesson, Udo S., 186 E 205th
Baxter, Chas. & Son, 2835 3d av
Baylies, Franklin, 34 Bible House
Beatty & Stone, 55 B'way
Beauley, Wm. J., Hotel Marie Antoinette
Beers, Wm. H., 5 W 31st
Bell, Algeronn S., 320 5th av
Benedict, Eli, 1947 B'way
Benedict, Wm. K., 1133 B'way
*Benson, J. P., 571 5th av
*Berg, Chas. I., 571 5th av
Berger, Bruno W. & Son, 121 Bible House
Berger, Richard, 309 B'way
Bernstein & Bernstein, 24 E 23d
Bessell, Wesley S., 1170 B'way
Betts, Edw. Stuart, 36 E 23d
Bird, Louis Frances, 156 5th av
Birge, Charles E., 29 W 34th
Birkmire, Wm. H., 396 B'way
Bissell, Frank H., 503 5th av
Blondel & Du Flon, 503 5th av
Bloodgood, Wm. E., 475 5th av
Bluemner, Oscar, 18 E 34th
Blum, Geo. & Edw., 507 5th av
Blumenstein, Paul, 28 E 23d
Boehm, Geo. A., 7 W 42d
Boehmer, Arthur, 531 E. Tremont av
Boekell, Julius, 147 E. 125th
Boese, John, 280 B'way
Bollmann, Wm., Jr., 1068 Jackson av
*Bonagur, Vincent, 789 Home
*Boring & Tilton, 32 B'way
Bosworth, Wm. W., 527 5th av
Bosworth & Holden, 1170 B'way
Boyd, Jno. D., 1123 B'way
Boyd, Wm. S., 561 Hudson
Boyland, Jno. P., 103 E 125th
†Brandt, L. & J., 271 W 125th
Braun, Frank, 1506 1st av
Brazer, Clarence W., 1133 B'way
Brendon, Chas. & Co., 500 5th av
Brewster, Herbert R., 116 Nassau
Brick, Samuel R., Jr., 1 B'way
Brite, Jas., 111 5th av
Brogan, Patrick F., 119 E 23d
Broome, Joseph, 123 Liberty
Brower, John, 1133 B'way
*Brown, Edwd. J., 889 E. 175th
Browne, Fred'k C., 143 W 125th
Brubaker, Samuel H. & Co., 50 Church
Brun, Clement B., 1 Madison av
*Brunner, Arnold W., 33 Union sq. W
Buchman & Fox, 11 E 59th
Buckham, Chas. W., 307 5th av
†Buckley, Richard W., 624 Madison av
Budd, K. C., 500 5th av
Buek, Chas., 500 5th av
Runce, J. Oscar, 1 W. 34th
Burley, Jas. L., 29 B'way
Busselle, Alfred, 1133 B'way
Butler, Lawrence S., 103 Park av
Butler & Rodman, 16 E 23d
Butterfield, Wm. H., 29 W 29th
Byers, Robt. M., 59 Pearl
Byrne, Edward J., 3025 3d av
Cable, Wm. Arthur, 43 W 27th
*Cady & Gregory, 6 W. 22d
Caldwell, Chas. H., 160 5th av
Campbell, Jas. I., 976 Woodycrest av
Campbell, Shiras, 101 Park av
Campbell, Wilfred A., 45 W 34th
Candler, Duncan, 30 E 21st
*Carpenter, James E. R., 475 5th av
*Carrere & Hastings, 225 5th av
*Casey, Edw. P., 1 Nassau
*Cashman, John R., 1 B'way
Caswell, Kenneth L., 1123 B'way
Cavinato, C., 560 W B'way
*Chambers, Walter B., 35 Wall
Chance, Geo. W., 347 5th av
Chapman, Henry Otis, 334 5th av
Chapman, Howard, 1123 B'way
Chapman, Josephine W., 11 W 8th
Chapman, W. Osborn, 18 W 27th
Chappell, Geo. S., 345 5th av
Chappell & Bosworth, 258 B'way
Chard, Thornton, 39 W 38th
Chard, Walter G., 39 W. 38th
Chestersmith, Edw. B., 150 Nassau
Child, Edw. S., 17 State
Chipman, Charles C., 220 B'way
Claflin & Kent, 27 E 22d
*Clark, Chas. S., 445 E. Tremont av
Cleverdon & Putzel, 41 Union sq. W
*Clinton & Russell, 32 Nassau
Cobb, Henry Ives, 42 B'way
Cocker & Martin-Cooke, 2017 5th av
Coco, Peter M., 114 E 23d
Codman, Ogden, 569 5th av
Cole, Jas. W., 403 W 51st
*Colley, Chas. E., 154 Nassau
Colt, Stockton B., 39 W. 38th
Colton, Francis B., 18 W. 38th
*Congdon, Henry M. & Son, 18 B'way
Conover, Warren H., 232 W. 40th
Conrad, Henry, 310 Olmstead av
*Constable, Howard, 115 E 23d
Co-operative Architects, 17 State
Copeland, Harry L., 24 State
Corbett, Harvey Wiley, 122 E. 25th
Cornell, Frank T., 125 E 23d
Costello, Chas. A., 450 W 40th
Cottrell, W. Liance, 44 E 23d
*Covell, Wm. S., 1170 B'way
Cox, Jno., Jr., 156 5th av
Cram, Goodhue & Ferguson, 170 5th av
Cramer, Lester A., 56 Liberty
Crane, Theodore, 15 W 38th
*Cromwell, J. William, Jr., 225 5th av
Crosier, Geo. P., E 223d nr White Plains rd
Cross & Cross, 527 5th av
Crow, Lewis & Wickenhoefer, 160 5th av
Cubberley, Leon, 1 Madison av
Cullen, Chas. H., 1493 B'way
Dana, Richard Henry, Jr., 103 Park av
Darrach & Beekman, 10 E. 33d
Daus & Otto, 130 Fulton
Davis, Albert E., 258 E. 138th
Davis, Edw. H., 1 Madison av
Davis, Richard R., 247 W 125th
Davis, McGrath & Kiessling, 1 Madison av
*Deane, E. Eldon, 6 W 28th
Deery, Jno. Jerome, 23 W 24th
DeForrest, Lockwood, 20 W 12th
*De Gerdsdorff, Geo. B., 103 Park av
*De Hart, John, 1039 Fox
Dehll, Arne, 108 Fulton
Delano & Aldrich, 4 E 39th
Denby & Nute, 333 4th av
Dennis, Stanley A., 154 Nassau
Dennison, Ethan A., 475 5th av
De Sibour, Jules H., 527 5th av
Desrats, Geo. P., 113 E 19th
Devermann, Chas., 2300 Westchester av
Detwiller, Chas. H., 95 Nassau
Devoe, Henry M., 500 Park av
Dewsnap, Wm., 150 Nassau
Dietrich, Chas. Henry, 143 W 45th
Dietrich, E. G. W., 30 E 20th
Dillon, McLellan & Beadel, 1123 B'way
Dilthey, Wm. J., 3 Union sq. W
Dissoway, C. M., 150 Nassau
Ditmars & Brite, 111 5th av
Dodge, R. Irving, 333 4th av
Dodge & Morrison, 82 Wall
D'Oench & Yost, 289 4th av
Dominick, Wm. F., 3 W 29th
Donnell, Harry E., 225 5th av
Doughty, E. Crosby, 366 5th av
Dress, Geo. 1299 Brook av
*Du Fais, John L., 333 4th av
Duff, Thos. J., 407 W 14th
Duncan, Arthur M., 15 William
*Duncan, John H., 208 5th av
Ebbinghaus & Irving, East Gun Hill rd, Williamsbridge
Ebeling, Bernhard, 2215 Westchester av
Ebeling, Fred., 420 E. 9th
*Eidlitz & McKenzie, 1123 B'way
Eisendrath & B. Horwitz, 500 5th av
Ellis, Edmund L., 1133 B'way
Ells, Irving B., 261 B'way
Embury, Aymar, 1133 B'way
*Emerson, Wm., 281 5th av
*Emery, M. L. & Hy. G., Bible House
Erkins, Henry M., 1455 B'way
Euell & Euell, 38 Manhattan
Ewing & Chappell, 345 5th av
Eyre, Wilson, 41 E 30th
Falk, Louis, 360 E 146th
Farnsworth, Jas. M., 489 5th av
Fearon, Francis G., 32 B'way
Feiser, Henry J., 150 Nassau
Felch, Walter L., 333 4th av
Fennen, Jos. D., 271 W 125th
Fenner, Burt L., 160 5th av
*Ficken, H. Edwards, 10 W 22d
Fischer, Adam E., 23 Park row
Fitch, Douglass, 1 W 34th
Fitz-Mahony, Michael J., 306 5th av
Flagg, Ernest, 35 Wall
Fletcher, Arthur G. C., 103 Park av
Ford, Stewart & Oliver, 103 Park av
Forman & Light, 40 Cedar
Foster, Gade & Graham, 281 4th av
Fouchaux, Henri, 105 Hudson
Fowler, J. Chandler, 132 Nassau
Franke, Julius, 298 5th av
Franklin Engineering Co., 346 B'way
Franklin & Ayres, 156 5th av
*Freedlander, Jos. H., 244 5th av
Freeman, Alfred, 320 5th av
Freeman, Frank, 132 Nassau
Freeman, Geo. A., 39 W 38th
Friend, Jno. H., 148 Alexander av
Frohne, Wm. C., 38 E 21st
Fuehrmann, Henry T. J., 43 W 27th
FULLERTON, CLARENCE A. (Specialties in Fireproof Interiors, Banks, Offices, Public Buildings, etc.), 386 5th av
*Gage, S. Edson, 3 Union sq, W
Gallauner, Edmund, 114 Nassau
Gardner, Robert W., 122 W 29th
Garvin, Michael J., 3307 3d av
*Gavigan, Jas. J. F., 1123 B'way
Geer, Wm. Lincoln, 109 E 14th
Gens, Chas., Jr., 165 E 88th
Gerber, Fredk A., 584 E 163d
Georgi, Edwin C., 603 E 83d
*Gibson, Robt. W., 103 Park av
*Gifford, Chas. Alling, 36 E 23d
*Gilbert, Bradford L., 1 B'way
*Gilbert, Cass, 11 E 24th
*Gilbert, Chas. P. H., 1123 B'way
*Gildersleeve, Raleigh C., 150 5th av
Giller, Louis, 416 B'way
Gillespie & Carrel, 1123 B'way
Gillette, Leon, 131 W 40th
Githens, Alfred M., 452 5th av
Glasser & Co., 70 Manhattan
Goldberg, Herman, 2968 Briggs av
Goldner & Goldberg, 702 Jackson av
*Goldstone, L. A., 43 W 34th
Gompert, Wm. H., 2102 B'way
*Gooch, Wm. Tyson, 84 William
Goodwillie, Frank, 1170 B'way
Gordon, J. Riely, 402 5th av
Gottlieb, Albert S., 156 5th av
Graham, Robert Dun, 281 4th av
Grand Central Station Architects, 344 Madison av
Grant, Chas. C., 156 5th av
Grauert, Emile W., 10 W 22d
Gray, Albert M., 1402 B'way
Greene, Ernest, 5 Beekman
Greenfield, Robert A., Customs House
*Greenley, Howard, 12 W 40th
Griebel, Geo. H., 2255 B'way
Grieshaber, Carl F., 4 E 39th
Griffin, Percy, 30 Church
Grimes, Marshall R., 39 E 42d
Gross, Arthur, 347 5th av
Gross & Kleinberger, 75 Bible House
Gurd, Jno. A., 281 5th av
*Haight, Chas. C. & Githens, 452 5th av
Hallery & Vulz, 1910 Webster av
*Hamilton, John A., 32 B'way
Hammond, Fred'k, 396 E 155th
Hanau, Carl, 198 B'way
Hanermann & Cherry, 103 Park av
Harde & Short, 3 W 29th
*Hardenbergh, Henry J., 47 W 34th
Harder, Julius, 31 W 31st
Hardy, Geo. F., 300 B'way
*Harney & Purdy, 320 5th av
Harris, Henry G., 3 E 17th
Harrison, Joseph Duke, 31 E 27th
Harrison & Sackheim, 230 Grand
Hart, Donald P., 3 W 29th
Hasenstein, Henry A., 192 Bowery
Hasselman, Francis G., 39 W 38th
Haug, Geo., 103 Park av
Hauser, John, 358 W 125th
Hausle, Frank, 81 E 125th
Hausle, Max, 81 E 125th
Hays, Jesse A., 2010 B'way
Hazlett, Wm. C., 1133 B'way
Healey, Henry J., 320 5th av
Hedman & Schoen, 25 W 42d
Heidelberg, Max G., 320 5th av
*Heins & La Farge, 30 E 21st
*Hemstreet, Wm. F., 156 5th av
Hering, Oswald C., 1 W 34th
Herts & Tallant, 113 E 19th
Hewitt, Edw. Shepard, 527 5th av
Hewlett, Wm. A., 156 5th av
Higginson, Wm., 17 Park row
Hill, Fred'k E., 346 B'way
Hill, Fred'k P., 1123 B'way

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Hill & Stout, 1123 B'way
Hinchman, Jno. R., 437 5th av
Hinkle, Edw. F., 345 5th av
Hiss & Weekes, 1123 B'way
Hoar, Chas. N., 45 W 34th
Hoddick, August O., 126 Liberty
Hoefer, H. Wm., 898 8th av
Holden, Lansing C., 103 Park av
Holly, Henry, 39 W 27th
Holt & Weidinger, 3 E 28th
Hooper, Parker Morse, 527 5th av
Hopkins, Alfred, 11 E 24th
Hoppe, Chas. F., 108 Park av
Hoppin, Koen & Huntington, 244 5th av
Horenburger, Herman, 122 Bowery
Horenburger, Herrmann, 422 E 159th
Horgan & Slattery, 41 W 33
Horn, Chas. E., 1440 B'way
Hornum, Louis A., 145 E 42nd
Hornum, W. H. C., 360 W 125th
Horsfall, W. H. A., 20 E 42d
Horwitz, Bernhard, 500 5th av
Hottenroth, Henry A., 347 5th av
How, Kenneth G., 25 W 42nd
Howard, H. W., Jr., 39 E 42d
Howe, Augustus, 120 Liberty
Howell, Harry T., 149th & Willis av
Howells & Stokes, 100 William
Howes & Morse, 19 E 38th
Huenerberg, William, 733 E 156th
Hulburt, Chas. C., 320 5th av
Hull, Washington, 16 E 23d
Hume, Wm. H., & Son, 3 Union sq, W
Hunt, Jarvis, 527 5th av
*Hunt & Hunt, 28 E 21st
Hunter, Paul C., 17 B'way
Hunter, Wesley D., 149 B'way
Huntington, Robt. P., 244 5th av
Huntington, C. P., 18 W 31st
Huntington, Chester, 32 Park pl
Huntley, C. E. & Co., 103 Park av
Huss, Geo. Martin, 65 Morningside av
Hutchinson, Robert C., 126 Liberty
Hutton, L. Percival, 37 Liberty
Hutton & Buys, 311 Madison av
*Ingle, John W., 527 5th av
Isham, Arlington D., 182 Nassau
Israels & Harder, 31 W 31st
Jackson, Arthur C., 30 E 21st
Jackson, Jos. A., 1123 B'way
Jackson & Brown, 500 5th av
Jackson & Rosencrans, 1328 B'way
Jacobs, Harry A., 320 5th av
Jacobsen, Fred, 1204 B'way
Jallade, Louis E., 37 Liberty
Janes & Leo, 124 W 45th
Jardine, Kent & Jardine, 3 W 29th
*Jarmulowsky, Meyer, 165 E B'way
*Jennings, Arthur B., 41 Park Row
Johnson, Carl P., 8 E 42d
Jones, Chas. G., 280 B'way
Jones, Richard C., 280 B'way
Josselyn, Edgar A., 3 W 29th
Jossier, Paul J., 127 E 23rd
*Kafka & Lindenmyer, 37 E 28th
Kaiser, Fred'k, 2533 Frisbie av
*Kastner, Julius & Dell, 1133 B'way
Kaufmann, Edwin G., 110 E 23d
Kaufman, Lewis R., 110 E 23rd
Kearney, Jno. W., 1133 B'way
Keeler, Fred'k S., 27 W 33d
Keimig, Louis J., 29 B'way
Kehoe, Alfred L., 1 Beekman
Kellogg, Fay, 32 Union Sq, E
Kelly, Timothy J., 685 Morris Park av
Kendall, Wm. Mitchell, 160 5th av
Kent, Chas. N., Jr., 27 E 22nd
Kerby, John E., 481 5th av
*Kight, A. B., 1947 B'way
Killian, Wm. G., 110 E 23d
*Kimball, Francis H., 71 B'way
King, Beverly S., 160 5th av
Kirby, Jos M., 2121 5th av
Kirby, Petit & Green, 103 Park av
Kirk, Chester H., 45 E 17th
Kissam, Henry Snyder, 37 Liberty
Knapp, Herbert J., 113 E 19th
Knapp, Horace Greeley, 5 E 42nd
*Knoche, Gottfried, 516 E 72d
Knowles, Harry P., 1170 B'way
Knowles, Wm. W., 1133 B'way
Knubel, John H., 318 W 42d
Koehler, V. Hugo, 489 5th av
Koelble, Henry A., 71 Nassau
Koenigsberger, F. H., 1 Madison av
Kohn, Robert D., 170 5th av
Koppe & Daube, 880 Westchester av
Korn, Louis, 353 5th av
Krais, William, 452 5th av
*Kramer, Geo. W., 1 Madison av
Krauss, Otto C., Newbold & Unionport
Kuhne, Paul (Specialty Fireproofing), 147 4th av
Kurtzer, William, 194 Bowery
Lamb, Thos. W., 224 5th av
Lambert, Wm. A., 99 Nassau
Lang, Eugene J., 481 5th av
Lauritzen, Wm. C., 2010 B'way
Lawlor & Haase, 69 Wall
Lawrence, Warrington G., 225 5th av
Lawton, G. Marshall, 150 Nassau
*Le Brun, N. & Sons, Met. Life bldg
Lee & Hewitt, 1123 B'way
Leeming, Woodruff, 20 Broad
Lehlbach, Edward, 31 Union sq, W
Lehmann, Edw. A., 1 Madison av
Leicht, Adolph F., 9 W 32nd
Leining, Lewis, Jr., 355 E 19th
Leo, John P., 770 St. Nicholas av
Leonard, G. Francis, 150 Nassau
*Levitan, Benj. W., 20 W 31st
Licht, Geo. A., 4 E 39th
Lion, Henry S., 12 W 32nd
Little & O'Connor, 5 W 31st
Livermore, Chas. F., 55 W 33d
Lloyd, Percival M., 109 Lexington av
Lohse, Christian F., 627 Eagle av
Loney, Fred'k R., 1123 B'way
Longyear & Hutchinson, 126 Liberty
*Lord & Hewlett, 345 5th av
Lowell, Guy, 225 5th av
Lowinson, Oscar, 18 E 42d
Lucas, Herbert, 5 E 42d
Luce, Clarence, 246 4th av
Ludlow & Peabody, 12 W 31st
Lyall, Earl Harvey, 2 W 33d
Lyall & McKee, 334 5th av
Lynch, Elliott, 341 5th av
Lyons, Robt. T., 1508 B'way
*McCabe, Geo. M., 96 5th av
McElfatrick, W. H., 1402 B'way
McElroy, Geo, L., 18 W 31st
McGlashan, Norman, 28 E 23d
McGrath, Dudley, 1 Madison av
*McGuire, Jos. H., 45 E 42d
McGuire, Milton H., 1123 B'way
McKenzie, Andrew C., 1123 B'way
McKim, Alex. R., 116 E 28th
*McKim, Mead & White, 160 5th av
McLellan & Beadel, 1123 B'way
MacKenzie, Clinton, 82 Beaver
Macintosh, Alexander, 55 Bible House
Magonigle, H. Van Buren, 7 W 38th
Maimone, A., 92 Christopher
Mainzer H. R., 170 5th av
Malcolm, Dan'l G., 569 5th av
Manning, Alfred J., 489 5th av
Mann & MacNeille, 12 E 45th
Mapes, Wm. T., White Plains rd nr 242d, Wakefield
Marcus, Bertram N., 347 5th av
Markowitz & Elliott, 32 Union sq
Marsh, David, 19 B'way
Marsh & Gette, 97 Nassau
*Marshall, Henry Rutgers, 3 W 29th
Martine, Angelo H., 1075 Woodcrest av
Marvin, Davis & Turton, 1133 B'way
Masqueray, Emmanuel L., 36 E 23d
Massarene, Wm. G., 1133 B'way
Mathesius, Fred'k, Jr., 103 Park av
Mathews, Chas. T., 281 4th av
Maurer, Louis C., 1495 B'way
Maynicke & Franke, 298 5th av
Meehan, Jas. F., Prospect & Westchester avs
Mellen, N. C., 45 W 34th
Merrick, Henry P., 1133 B'way
Merritt, Mortimer C., 58 W 31st
Mersereau, Wm. H., 32 B'way
Mertin, Adolph, 33 Union sq, W
Metcalf, Fred L., 108 Fulton
Metcalfe, Louis R., 27 E 22d
Metcalfe, Mortimer D., 37 E 30th
Metzler, Julius C., 1123 B'way
Michel, Jno. G., 302 B'way
Miller, Chas. E., 111 Nassau
Miller, Geo. S., City Island av, City Id
Mills & Greenleaf, 345 5th av
Minuth, Fred'k A., 425 5th av
Moller & Smith, 107 Waverly pl
Montgomery, H. P. Alan, 59 Pearl
†Mooney, John B., 1511 3d av
Moore, Frank A., 569 5th av
Moore & Landsiedel, 3rd av & 148th
Morgan & Barkhausen, 30 Church
Morris, Albert, 103 Park av
Morris, Benj. Wistar, Jr., 345 5th av
Morris, Chas., 36 E 23d
Morris, Montrose W., 82 Wall
Morrison, Robert B., 82 Wall
Morrison & Carrier, 1328 B'way
Morse, Henry G., 19 W 38th
Moses, Lionel, 156 5th av
Mosley, Richard K., 1 Nassau
*Mott, Chas. T., 103 Park av
Mowbray, Wm. E., 1300 B'way
Mowbray & Uffinger, 56 Liberty
Muller, Max, 115 Nassau
Mulliken & Moeller, 103 Park av
Murchison, Kenneth M., 320 5th av
Murphy, Henry Killam, 103 Park av
Murphy, John M., 302 B'way
Nash, Arthur C., 27 E 22d
Nash, Thos., 1170 B'way
Nast, Adolph E., 147 4th av
Necarsulmer, Edward, 507 5th av
Nelson & Vanwagenen, 15 W 38th
Neville & Bagge, 217 W 125th
Newman, Thos. L., 2164 Westchester av
Newman & Harris, 1123 B'way
Nicola, Andrew & Co., 81 Wash'n
Nichols, Geo., 82 Wall
Nitchie, John E., 150 Nassau
Nordheim, Henry, 1067 Tremont av
Norris, Albert F., 150 Nassau
Norton, Frank L., 1 Wall
O'Connor, Jas. W., 1123 B'way
Ogden, S. B. & Co., 954 Lexington av
Oliver, Leslie A., 129 E 17th
O'Meara, Jno. S., 100 E 83d
Orchard, Wm. H., 120 W 42d
Otto, Carl L., 130 Fulton
Palmer & Hornbostel, 63 William
Parish & Schroeder, 12 W 31st
Parker, Gurdon S., 160 5th av
Parsons, Floyd Y., 1133 B'way
Parsons, Robert E., 3 Union sq, W
Payne, Wm. Arthur, 345 5th av
Pegler, E. J., 12 Beekman pl
Pelham, Geo. F., 508 5th av
Pell & Corbett, 122 E 25th
Pelton, Henry C., 10 E 33d
Penn, Fred'k W., 31 W 31st
Perkins, Frank E., 225 5th av
Phelps, Stowe, 20 W 43d
Phillips, J. H., 103 Park av
Phillips, Wm. S., 103 Park av
Phillips & Ingalls, 103 Park av
Pickering & Walker, 103 Park av
Pierson, Walter B., 72 Trinity pl
Pigueron, Wm. G., 32 Union sq
Pike, Gordon B., 151 W 23d
Pilcher & Tachau, 109 Lexington av
Pirner, Anton, 1656 Holland av
Pittman, Henry C., 27 E 22nd
Platt, Chas. A., 11 E 24th
Platt, Fred'k P., 1123 B'way
Pollard & Steinam, 10 E 33rd
Poole, Thos. H. Co., 13 W 30th
Pope, Jno. Russell, 527 5th av
*Porter, Albert V., 621 B'way
*Post, Geo. B. & Sons, 345 5th av
Potter, Wilson, 3 Union sq, W
Prager, Raphael, 149 B'way
*Price, Bruce & DeSibour (J. H. De Sibour), 527 5th av
Price & King, 311 Madison
Provot, George, 104 W 42d
Pryor & Day, 144 W 39th
Purdy, Wm. S., 320 5th av
Putzel, Jos., 30 E 62nd
*Quinby, Frank H., 99 Nassau
Radcliffe & Kelley, 3 W 29th
Radford Architectural Co., 178 Fulton
Rahmann, Wm. H., 103 Park av
Raymond, Wm. Oakley, 17 B'way
Reed & Stem, 7 E 42d
Regelmann, Henry, 133 7th
Reid, Chas. E., 105 E 14th
Reiley & Steinback, 481 5th av
Reissmann, Otto, 30 1st st
Remick, Arthur T., 3 W 29th
Renwick, Wm. W., 41 W 27th
*Renwick, Aspinwall & Tucker, 320 5th av
Rich, Chas. A., 320 5th av
Richardson, Wm. Symmes, 160 5th av
Richter, Chas. H., 68 Broad
Ritterbusch, Conrad, 156 5th av
*Robertson, R. H. & Son, 160 5th av
Robins & Oakman, 27 E 22d
Robinson, G. & Son, 15 Old B'way
Robinson, Jno. Beverly, 500 Park av
Robinson & Knust, 164 5th av
Rogers, Jas. Gamble, 11 E 24th
Rogers, Robt. E., 5 E 42d
Rogers, Wm. J., 1 Madison av
Rohl, Richard, 128 Bible House
Romeyn, Chas. W., 55 B'way
Rooke, Frank A., 489 5th av
Roos & Boornem, 120 Liberty
Rose, Charles Fred'k, 1 Madison av
Rosenberg, Ignatz I., 99 7th
Ross, Albert R., 16 E 22d
Ross, Arthur M., 347 5th av
*Ross & McNeil, 39 E 42d
Rossbach, Erwin W., 2000 B'way
Rossiter, Ehrick, 15 W 67th
Rossiter & Wright, 110 E 23d
Roth, Emery, 18 E 42d
Rouse, Wm. L., 12 W 32d
Rousseau, Francis X., 1133 B'way
Rowe, Thos., 237 Lexington av
Sargent, Edw. A., 1 B'way
Sass, Samuel, 23 Park row
Satterlee, E. Lansing, 1123 B'way
Satterthwaite, Pennington, 27 E 22d
Saussez, Lucien, 308 W 129th
Sawyer, Philip, 156 5th av
Schaefer & Jaeger, 461 Tremont av
Scharsmith, Jno. E., 1 Madison av
Schellenger, Gilbert A., 9 W 31st
*Schickel & Ditmars, 111 5th av

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Schmitt, Anthony F. A., 604 Courtlandt av
Schnaufer, Wm., 368 E 149th
Schumann, Chas. H., 280 B'way
Schwanewede, Wm. F., 33 B'way
Schwartz & Gross, 347 5th av
Schwarz, Gustav, 302 E 158th
Schweitzer & Diemer, 45 Leonard
Scott, Walter, 31 Union sq, W
See, Milton & Son, 6 W 22d
Seifert, Karl F. J., 25 W 42nd
Serraclso, Nicholas, 1170 B'way
Severence, Harold C., 500 5th av
Shape & Bready, I E 42d
Shepard, Augustus D., Jr., 36 E 23d
Shepard, Ralph R., 19 W 38th
Shire, Edw. I., 110 E 23d
Short, R. Thomas, 3 W 29th
Simonson, B. Eustace, 315 5th av
Slevin, Jas. F., 280 B'way
*Slocum, S. Gifford, 1170 B'way
Small, Franklin M., 265 B'way
Smith, Bowen B., 104 W 42d
Smith, C. Wellesley, 27 E 22d
Smith, Edw. G., 220 B'way
Smith, Fred'k G. C., 20 E 42d
Smith, Henry A., 1181 B'way
Smith, J. Andre, 103 Park av
Smith, Oscar B., Jr., 344 4th av
Smith, Peter, 69 Wall
Smith, Wm. Nell, 20 W 33d
Smith, Wm. Wheeler, 82 Wall
Smyth, David W., 41 Liberty
Smyth, Douglas, 2 W 129th
Sneden, Arthur Durant, 1 Nassau
Snelling & Potter, 37 E 30th
*Snook, John B. Sons, 73 Nassau
*Snyder, Chas. B. J., architect to Board of Education, 500 Park av
Sommerfeld & Steckler, 19 Union sq
Spannhake, Otto L., 233 E 78th
Spelman, John R., 125 E 23d
Spitzer, Geo. W., 500 5th av
Squires & Wynkoop, 44 Cortlandt
Starrett, Goodwin & Van Vleck, 47 E 17th
Steckler, Benjamin, 19 Union sq
Stegmayer, Charles, 168 E 91st
Stein, Theo. G., 1133 B'way
Steinam, Jos. L., 10 E 33rd
Steinmetz, Henry G., 1008 E 180th
Stephenson & Wheeler, 18 W 27th
Stern, Benj. E., 7 W 38th
Stern & Morris, 108 Park av
Sterner, Fred'k J., 164 5th av
Stever, Arthur J., 55 B'way
Stewart, Francis G., 103 Park av
Stillman, Michael, 124 E 25th
Stoddart, W. L., 31 Union sq, W.
Stollwerk, Leo, 82 Beaver
Stone, David, Bible House
Stone, Fred'k S., 55 B'way
Storm, Edwin R., 160 5th av
Stoughton, C. W. & A. A., 96 5th av
Strack, Otto, 220 E 23d
Straker, Albert E., 17 B'way
Straub, Chas. M., 147 4th av
Straub, Frank, 122 Bowery
Streeton, Geo. H., 103 Park av
Strom, Wm., 39 Cortlandt
Strong, Mason R., 7 Wall
Strout, Wm. A., 81 Fulton
Sturgis, Danforth, N. B., 18 W 34th
Summerville, Foster M., 1 Madison av
Sutton, Chas. M., 70 5th av
Swasey, Wm. A., 47 W 34th
Symonds, Wm. H., 23 W 24th
Taylor, Alfred H., 138 W 65th
Taylor & Levi, 24 E 23d
Taylor & Mosley, 1 Nassau
Teale, Oscar S., 35 B'way
Thain & Thain, 4 E 42d
Thiriaes, Jacob, Jr., 425 5th av
Thom & Wilson, 1123 B'way
Thompson, G. Kramer, 452 5th av
Thompson & Frohling, 114 E 28th
Thomson, Theo. E., 505 E Tremont av
Thouard, Louis, 289 4th av
Tillack, J. L. Theodore, 5 Beekman
*Tilton, Edw. L., 32 B'way
Toelberg, Niels, 1167 Fox
Tompkins, John Almy, 20 W 43d
Towner, Wm. T., 320 5th av
Townsend, Steinle & Haskell, 1328 B'way
Tracy, Swartwout & Litchfield, 244 5th av
Trowbridge & Ackerman, 114 E 28th
*Trowbridge & Livingston, 527 5th av
True, Clarence, 95 Liberty
Trusx, Fred'k N., 1170 B'way
Tubby, Josiah T., Jr., 81 Fulton
*Tubby, Wm. B., 81 Fulton
*Tuthill, Wm. Burnett, 105 E 22nd
Tuttle, Harry W., 150 5th av
Ufer, Edw. W. F., 106 Morningside av, B
Upjohn & Conable, 96 5th av
Valentine, Chas. A., 344 4th av
Van Ashen, Geo. H., 30 E 14th
Van Cleef, Henry C., 7 E 42d av
Vanderbent, Tunis J., 160 5th av
*Van Pelt, Jno. V., 341 4th av
Van Vleck & Goldsmith, 111 5th av
Vaux & Emery, 68 Bible House
Vernan, Harold D., 1 Beekman
Vickers, Nathaniel W., 452 5th av
Visscher, Theo. C., 425 5th av
Voelker, John P., 979 3d av
Volz, Chas., 160 5th av
Von Wiedenfeld, Hugo P., 29 W 42nd
Waid, D. Everett, (and Consulting Architect). 1 Madison av
Wald & Willauer, 156 5th av
Wainwright, Richard T., 40 Wall.
Walgrove, Geo. M., 42 E 23d
Walker, Jno. E., 3 Union sq, W
Walker, W. Leslie, 20 W 43d
Walker & Gillette, 131 W 40th
Walker & Hazzard, 457 5th av
Walker & Morris, 36 E 23d
Wallace, Jos. H. & Co. (Industrial Arch. & Eng's),5 Beekman
Wallis, Frank E., 1 Madison av
Walther, John P. & Bartholomew, 145 E
Ward, Frank F., 203 B'way 125th
*Ware, Jas. E. & Son, 1170 B'way
Warren, Chas. P., 20 W 34th
Warren & Wetmore, 3 E 33d
Warrington, Leslie G., 41 E 30th
Watson, John C., 217 W 125th
Webster, Daniel T., 160 5th av
Wehrlin, Edw., 309 B'way
Weibler, Joseph, 180 E 114th
*Weiher, Lorenz F. J., 271 W 125th
Welch, Alex. McM., 11 E 42d
Welch, Winthrop A., 3 W 29th
Wells, Edmund B., 5 W 31st
Wells, J. Hollis, 32 Nassau
Wengenroth, Fred'k W., 29 B'way
Wentworth, Fred'k Wesley, 100 B'way
Werner & Windolph, 27 W 33d
Westervelt & Austin, 36 W 34th
Wheeler, Dunham, 1 Madison av
Wheeler, H. Herbert, 18 W 27th
White, Benj. V., 110 E 23d
Whitfield & King, 160 5th av
Whiting, Frank P., 35 Wall
Wilbur, Edwin, 120 Liberty
Wilder & White, 156 5th av
Wilkinson, Henry W., 114 E 28th
Winkelman, Chas. F., 103 Park av
Winterburn, Fred'k W., 32 Nassau
Winters & Winckler, 47 W 34th
*Wolf, Joseph, 103 Park av
Wolfgang, Franz, 531 E Tremont av
Wood, Donn & Deming, 122 E 25th
Wood, Geo. E., 311 Madison av
Wood, John A., 120 Liberty
Wood, Arthur W. B., 1 Madison av
Woolley, Jno., 15 E 11th
*Wright, Frank M., 489 5th av
Wulff, Chas. A., 569 5th av
York & Sawyer, 156 5th av
Young, Edw. Lee, 127 E 23d
Young & Gronenberg, 1328 B'way
Zimmermann, Albert G., 409 W 15th
Zipkes, Maximillian, 353 5th av
Ziot, Harry, 1400 5th av
Zobel, Fred'k C., 114 E 28th
Zubrin, Henry H., 168 E 114th
Zuelch, Jno. J., 3414 Barker av

Borough of Queens.

COLLEGE POINT—Kraemer, Wm. H., 13th &
CORONA—Card, I. P., Grand av 7th av
Lemmer, Fred'k, 11 Grenwell av
Lobejager Chas. M., 88 Main
Magnoni, Angelo, 113 Lincoln
Schoeller, Andrew, 80 Montgomery
Spicer, Chas. B., 2 Central av
ELMHURST—Card, Isaac P., Union av
Hendry, Chas., Trains Meadow rd n 4th
EVERGREEN—Berger, Carl, 687 Cornelia
Berger, Louis & Co., 298 St. Nicholas av
FAR ROCKAWAY—Bogart, Albert J.
Howard, Harry, 9 Mott av
Lehman & O'Kane, Mott av & George
Smith, Morrell, 252 Central av
FLUSHING—Clift, Christopher, 3 Main
Collins, Horace, 316 State
Johnson, Fred'k, 62 Farrington
Kouhn, Jno. J., 58 B'way
Kraemer, Wm. H., 71 B'Way
Parsons, Robert E., 40 Bowne av
Richardson, Albert E., 97 Main
Ross, H. H., B'way & 22d
HOLLIS—Dreyer, Henry
JAMAICA—Danmar, Wm., 5 McAuley pl
Finn, Wm. A., 8 Herriman av
Halliday, W. I., 326 Fulton
Hausman, Nicholas W., 375 Fulton
Little, Albert G., 357 Fulton
Little, Harold G., 3 Herriman
Tuthill & Higgins, 359 Fulton
LONG ISLAND CITY—Baker, John M., 85
Chmelik, Frank, 796 2d Borden av
Farland, Jos. A., 27 Cooper
Hahn, Edward, 48 Wardell
Hewitt, Chas. W., 95 Fulton
Kaubisch, Jno. 421 Webster av
Oborne, Harry E., 9 Jackson av
Powers, J. P. Co., 9 Jackson av
Reidy, Michl J., 184 Main
Rogers, James, 184 Vanalst av
Sauermilch, Emil G., 395 Steinway av
Seifert, Peter, 83 Graham av
Sholl, Harry E., 603 7th av
Sproesser, Frank, 179 Steinway av
Tesseyman, Wm. H., 36 Hoyt av
Wilkinson, Geo. T., 1039 Boulevard
MASPETH—Rose, Edw., Summit pl & Fulton
OCEANUS—Kennedy, W. T. & Co., 462 boul
Smith, Wm. R., Dodge av c Surf av
RICHMOND HILL—Andrews, Fm. R. H., 3405 Jamaica av
Drake, Chas. M., 3112 Chichester av
Haugaard, Henry E., Jamaica av & Maple
Jeffrey, Hy. T., 140 Lefferts
Moore, Thos. J., 468 Elm
Murphy, John M., Spruce n Beaufort
Vanderbeck, Chas. W., 2705 Jamaica av
Van Deusen, Clarence R., 120 Vine
WHITESTONE—Burner, Robt., 13th n 8th av
Cooper, Gustavus A., 75 Whitestone av
Relyea, Wm. H., 63 N 8th av
WOODHAVEN—Jaeger, Louis, 170 Shaw av
Lepage, Matthew, University pl

Borough of Richmond.

NEW BRIGHTON—Winans, Jno., Pelton av
PORT RICHMOND—Bouton, Chas. E., 123 Richmond terrace
Manley, Thos. W., 395 Richmond terrace
Pelcher, Harry, 20 Richmond av
Perkins, Thos. C., 26 Richmond terrace
Whitford, Jas., 24 Richmond av
STAPLETON—Copley, Fred'k, S., 339 Rich rd
Otto, Henry G., 25 Jackson
TOMPKINSVILLE—Loeffler, Otto, 68 Bay

(End of New York City)

NIAGARA FALLS—Joralemon, E. E., 225 2d
Larke, Simon, 608 Elmwood av
Phelps, C. H., Gluck bldg
White, Jas. R., Elderfield Hartshorn bldg
Wright, Geo. W., Arcade bldg
NORTHPORT—†De Vean, John D.
NORWICH—Cook, W. H.
NYACK—Emery, Marshall L. & Henry G.
Simonson, J. B.
OCEANUS—(See New York City, Borough of Queens)
OGDENSBURG—Williams & Johnson
OLEAN—Brickell, H. L.
ONEIDA—Skinner, Theo. H.
ONEONTA—Blend, L. H.
OSWEGO—Seeber, John
PALMYRA—*Blaby, Joseph, Jarvis blk
PEEKSKILL—Barker, Asbury
Travis, Cyrus H.
PHELPS—McKinney, Corliss
PLATTSBURG—Signor, R. L.
PORT CHESTER—Minnerly, Harry S.
Ponty, D. H., Jr.
Gibley, J. A.
Ward, W. A.
PORT HENRY—Curtis, John B.
PORT JEFFERSON—Smith, W. I.
PORT RICHMOND—(See New York City, Borough of Richmond)
POUGHKEEPSIE—Beardsley, Wm. J., 42 Market
Carpenter, Du Bois, 45 Market
Lloyd, Percival M., 39 Market
RHINEBECK—Decker, B. A.
RICHMOND HILL—(See New York City, Borough of Queens)
RIVERHEAD—Blume, Edwin H.
Skidmore, Geo. H.
ROCHESTER—*Block, Otto, Wilder bldg
Bragdon, Claude F., Cutler bldg
Brockett, F. A., Cutler bldg
Brockett, W. J., Powers bldg
Byers, Matthew T., Exchange bldg
Byers, Robert S., Central bldg
Camp, F. S., Elwood bldg
Crandall, Chas. F., E. & B. bldg
Cutler, J. G. & J. W., Cutler bldg
Fay & Dryer, 62 East av
*Foote & Headley, Cutler bldg
Gordon & Madden, 300 Sibley blk
Hatton, Horace T., Cutler bldg
Hirschfelder, C. M., Exchange bldg
Hutchinson, Geo. F., Triangle bldg
Larselere, H. L., German Ins. bldg
Lempert, Leon H. & Son, 31 Pearl
Oberlies, Jos H., Granite bldg
Otis, George T., Cutler bldg
Pierce, Herbert W., 41 City Hall
Platt, J. Mills, 921 Cham. of Com. bldg
Salter, James A., 341 Granite bldg

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Stern, Leon, Cham. of Com. bldg
Tyler, Jas. R., E. & B. bldg
Walker & Nichels, E. & B. bldg
Warner, A. J., Powers bldg
*Warner, J. Foster, 1036 Granite bldg
Wengender, John, 22 Kelly
ROME—Kirkland, F. W.
Schillner, G. C.
RYE—Wainwright, Richard T.
SAG HARBOR—Bessenden, W. A.
Thomas, J. H.
SANDY HILL—Cunningham, Jno. J.
McCarty, James
SARANAC LAKE—Coulter & Westhoff
Scopes & Feustmann
SARATOGA SPRINGS—Breeze & Mallory
Vaughan, F. G.
SAYVILLE—Green, Isaac H., Jr.
SCARBORO—Arnold, Clinton S.
SCHENECTADY—Davis, Edward L., Clinton st
Finch, Oren, State & Jay
Heidrich, Chas. A., 423 State
Lindley, Arthur G. Co., Parker bldg
Mynderse, W. T. B., 277 State
Nichols, L. Rodman, 208 S Center
Van Rensselaer, C. G., 175 Jay
SPRING VALLEY—Eickoff, O. S.
STAPLETON—(See New York City, Borough of Richmond)
SYRACUSE—Brockway, A. L., Syracuse Sav. Bank bldg
Colton, Chas. E., Kirk bldg
Conway, Merritt C., 322 Bastable
Gaggin & Gaggin, University blk
Ganung, Howard D., care Sonet-Solway Co.
Gillette, Thurber J., 811 Park
Makepeace & Makepeace, Everson bldg
Meehan, Jas. D., Hendricks bldg
*Merrick & Randall, S., A. & K. bldg
Phoenix, Harry D., Rosenbloom bldg
Russell & King, Snow blk
Taber & Baxter, O. C. S. Bank bldg
Taylor, A. T., Syracuse Sav. Bank bldg
Ward, W. W., Moyer Farm
Wright, Gordon A., O. C. S. Bk bldg
TOMPKINSVILLE—(See New York City, Borough of Richmond)
TOTTENVILLE—(See New York City, Borough of Richmond)
TROY—Cummings, M. F. & Son, State B'k bldg
Demers & Campaigne, Ilium bldg
Fielding, Harry P., 282 River
†Hatch, Wm. N., 251 B'way
Lee, Stanton P., 314 Cannon pl
Loth & Millman, 253 B'way
UTICA—Agne, Rushmer & Jennison, 31 Arcade
Cooper, G. Edw., 219 Genesee
Frank, Walter G., 219 Genesee
George, Richard A., 69 Genesee
*Gouge, Fred'k H., 70 Genesee
Hobbes, Jno. A., 191 Genesee
Hubbard, Melvin H., 82 Arcade
Kinne, Linn, 108 Genesee
WATERTOWN—Cooper, Madison Co. (Refrigerating Engineers & Architects)
Dewey, Chas. E., Bank bldg
Eaton & Brownell (Specialty Mills)
Griffin, J. W., Bank bldg
Kieff, D. D., 24 Flower bldg
Lansing, A. F., Solar bldg
Littlefield, Henry B., 302 High
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WHITE PLAINS—Brown, Frank Horton
Hopkins, W. S.
Moore, Jno. C.
Petry & Sayward
Purdy, T. Milton
WHITESTONE—(See New York City, Borough of Queens)
WOODHAVEN—(See New York City, Borough of Queens)
WOODSIDE—Ferland, Jos. A., 157 Rester av
YONKERS—Brady, Wm. M., McLean & Alexander av
Brown, Elliott L., Phillipsburg bldg
Chamberlain, G. Howard, 10 Getty sq
Cowles, Geo. S., S Getty sq
de Meuron, F. A., 87 Main
Forsyth, Edw. A., 51 Warburton av
Graham, Thomas, 23 Villa Park, Sherwood Park
Grewey & Birmingham, 40 Warburton av
Katz, Wm. P., 93 S B'way
Phillips, Frank, 87 Morningside av
Quick, Edwin A. & Son, 18 Getty sq
Rayner, Geo. & Sons, 13 Warburton av
Snyder, Wm. F., 1 Palisade av
Van Suetendael, Arthur J., 15 N B'way
Watson, Jas. A., Phillipsburg bldg

NORTH CAROLINA.

ASHEVILLE—Lord, Wm. Henry
Melton, Allen L.
Smith & Carrier
CHARLOTTE—Asbury, Louis H.
Biberstein, R. C. (Mill, Eng.)
Bonfoy, F. L.
Hook & Rogers
Hunter & Gordon
McMichael, J. M.
Wheeler, Gaither & Stern
DURHAM—Linthicum, H. C.
FAYETTEVILLE—Eisenschmidt, Robt.
GREENSBORO—Brewer, Wells L.
Hopkins, J. H.
Weston, F. A.
NEWBERN—Simpson, H. W.
RALEIGH—Barrett & Thomson
Hartge, C. E.
Kellar, H. P. S.
Kennedy, J. M.
Simpson, Frank B.
WILMINGTON—*Konitz, H. E.
Leitner, J. F.
WINSTON SALEM—Zimmerman, J. S.

NORTH DAKOTA.

ELLENDALE—†Brown, John A. & Martin
†Mallory, William
FARGO—Beebe, M. E.
Hancock Bros.
Haxby & Gillespie
O'Shea, A. J.
GRAFTON—Mott, J.
GRAND FORKS—De Remer, Jos. B.
Edwards, W. J.
Ross, J. W.
MINOT—Frost, R. T.
WAHPETON—Schuler Bros.

OHIO.

AKRON—Fichter, J. A., Akron Saving & Loan bldg
*Ginther, Wm. P., Arcade bldg
Harpster & Bliss, Central Savings Bank bldg
*Henry & Son, 117 E Market
Hulett, R. M., Flatiron bldg
Lees, Wm. J., care of International Harvester Co.
Mantz, N. A., 234 Spicer
Moore Architectural & Eng. Co., Everett bldg
ASHTABULA—Wilson, Jno. L.
BOWLING GREEN—Brown, Homer C.
CANAL DOVER—Romig, S. A.
CANTON—Bostwick, J. M., 123 E Tuscarawas
Epperson, W. S., Courtland bldg
Tilden, Guy & Elmer A., Schaefer blk
CHILLICOTHE—Cook, John F.
Schweitzer, John
CINCINNATI—Baldwin, Bert L. & Co., Perin
Bast, Adam J., 2132 Baymiller bldg
*Bausmith & Drainie, Johnston bldg
Chapman, J. L., 2nd Nat'l Bank bldg
Cordes, Fred H., Union Trust bldg
Coyle, Joe, 812 B'way
Crapsey & Lamm, Groton bldg
Darrow Engineering Co., 1st Nat'l Bank
Davis, David, Fosdick bldg bldg
*Des Jardins & Sheblessy, 4th Nat. Bank
*Dittoe & Wisenall, Blymyer bldg bldg
Dornette, Edward H., Pickering bldg
*Drach, Gustave W., Union Trust bldg
*Elzner & Anderson, Ingalls bldg
Fahnestock, L. W., Atlas Bank bldg
Fasse, Chas., Peebles Corners
Fechheimer, A. Lincoln, Andrews bldg
Fisher, Martin, 2156 Central av
*Foster, C. M., Johnston bldg
Franklin, Wm. W., Commercial Tribune bldg
Garber & Woodward, Andrews bldg
Gilmore, Jas., 4th Nat. Bank bldg
Glaser, Emile F., 1202 Vine
*Godley, S. S., 803 Neave bldg
*Hake, Harry, Andrews bldg
Hall & Burroughs, 4th Nat'l Bank bldg
Halsted, A. J., 1317 Main
*Hannaford, S. & Sons, Hulbert blk
Hayward & Cordes, Union Trust bldg
James, Andrew R., Blymeyer bldg
Jones, Robt. D., Neave bldg
Kau, Max, Jr., 2241 Guy
Kennedy & Adkins, 2nd Nat'l Bank bldg
Kraemer, Geo. A., Pickering bldg
Kuckertz, Jacob H., 1713 Sycamore
Kunz, Anthony, Jr., 955 W Court
*McLaughlin, James W., Winton Rd & North Bend Rd
Peacock, Samuel D., 10 E Commerce
Pfeiffer, Philip G., 10 E McMillan
Pils, Fred J., 964 W 8th
Piket, Louis, 114 W Nixon
Queen City Architectural Co., Mitchell bldg
*Rapp, Zettel & Rapp, Johnston bldg
Reed, Edw., Peebles Corners
*Rieg, Anton, 2554 Vine
Robinson, W. Stanton, Groton bldg
Rodgers & Rhine, Johnston bldg
Roebling, Chas., 4th & Main
Rueckert, Emil G., 38 E McMicken av
Rueckert, Jacob J., Allen bldg
Sax, Moritz, 4th Nat'l Bank bldg
Sheppard, Gordon, Thoms bldg
Siter, H. E., 322 Main
Sloctemyer, Jos. G. & Bro., cor Linn & Hopkins
Smith & Heitmeyer, 1st Nat'l Bank bldg
Steinkamp, Jos. G. & Bro., Mercantile Library bldg
Striker, John P., 612 W 5th
*Taylor & Decamp, Neave bldg
*Tietig & Lee, Lyric Theatre bldg
Tischler, Edw. R., Bracken rd, Westwood
*Weber, C. C. & E. A., St. Paul bldg
*Werner, Geo., St. Paul bldg
Wood, J. M., Bradford blk
CLEVELAND—Badgley & Nicklas, 6110 Euclid av
Baird, Fred'k, American Trust bldg
Bates, Fred G., Cuyahoga bldg
Bechler, P. Andrew, cor Rockway & Detroit
Blackall & Page, Lennox bldg
Bohm, G. B., Williamson blk
Bohnard & Parsson, Chamber of Commerce
Briggs & Nelson, Rose bldg
Cameron, J. L., Schofield bldg
Campbell, Ernest W., Schofield bldg
Chapman & Chapman, Citizens bldg
Cole, Chas. E., Colonial Arcade
Cone, Harry A., Schofield bldg
Corlett Engineering Co., Cuyahoga bldg
Corning, Burt W., Schofield bldg
Courter, Wm. H., 942 Prospect av
Crabb, Robert, 7305 Cedar av S E
Dercum & Beer, Schofield bldg
Dutton, W. Stillman, New England bldg
Dyer, J. Milton, Cuyahoga bldg
Eberling, Jacob B., Wick blk
Edwards, Arthur C., American Trust bldg
*Eisenmann, John, The Arcade
Ellis, Elbridge, 1559 Penrose av, S E
Ferguson & Cameron, Schofield bldg
French, A. A., Rose bldg
Fugman, Godfrey, Chamber of Commerce
Garfield, Abram, Garfield bldg bldg
Gleichman, Morris M., Lennox bldg
Griebel, Geo. A., Citizens bldg
Hall, Wilbur M., Tenbusch bldg
Hamilton, Henry R. P., Schofield bldg
*Hammond, Geo. F., 734 Euclid av
Hartzell & Petti, 11814 Euclid av
Heiser, R. Arthur, Park bldg
Hodges & Bancroft, Rose bldg
Hodges, Wm. W., Rose bldg
*Hopkinson, Chas. W., Rose bldg
*Hubbell & Benes, Citizens' bldg
Hubby, R. G., Caxton bldg
Hubert, Ernest, 7018 Superior, N E
Hulett, Ralph M., Lennox bldg
Izant, Clarence S., Schofield bldg
Janowitz, Albert F., 746 Euclid av
Jansen, Wm. C., 942 Prospect av, S E
Jeffery & Keller, Schofield bldg
Kauffman, Arch'l Co., Caxton bldg
Keller, Arthur E., Schofield bldg
King, Geo. S., 746 Euclid av
Kingsley, Wm. M., Rockefeller bldg
Knox & Elliott, Rockefeller bldg
Laist, Theo. F., Lennox bldg
Le Baron & Gebhardt, 5703 Linwood av, N E
Lehman & Schmitt, Garfield bldg
Lorenz, Otto J., 5778 Portage av, S E
McGrath, James P., Citizens bldg
Matzinger, Paul, Lennox bldg
Mead, William C., Rose bldg
Meade, Frank B., Garfield bldg
Nacey & Hynd, Western Reserve bldg
Nevins & Smith, Rockefeller bldg
Osborn Engineering Co., Osborn bldg
Oviatt, A. N., 589, The Arcade
Post, Geo. B. & Sons, Schofield bldg
Powell, Wm. R., Hippodrome bldg
Richardson, Edward A., 942 Prospect, S E
Ritchie & Ruple, Chamber of Com. bldg
Roberts & Abbott Co. (Inc.) (Railway), Schofield bldg
Rudolph, Geo. E., 3823 Woodland av, S E
Ruggles, Edward A., Rose bldg
*Sabin, Wm. Warren, New England bldg
Sanford, Harry W., Citizens bldg
Scharmann, Gustav, Schofield bldg
*Schweinfurth, Chas. F., New England bldg
Scofield, Levi T., Schofield bldg
Searles, Hirsh & Gavin, Schofield bldg
Shaffer, M. T., American Trust bldg
Shimmin, Harlen E., Rose bldg
Skeel, Albert E., Rose bldg
Skeel, Frank D., Lennox bldg
Smith, Edward E., Williamson bldg
*Smith, Geo. H., Colonial Arcade
Snyder, Andrew S., The Arcade
Sprackling, A. E., O'Brien bldg
Stapf, Otto K., Rose bldg
Stedman, Chas. R., Superior bldg
Steffens, Geo. H., Williamson bldg

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Striebinger, Frederic W., New England bldg
Stuhr, Herman F., Rose bldg
Swigert, Herbert, Central Trust bldg
Tenbusch, Gerhard A., Tenbusch bldg
Thomas, Lewis W., 942 Prospect, S. E.
Tousley, Chas. E., 942 Prospect, S. E.
Ulrich, Emil M., Schofield bldg
Uthe, Chas. H., Williamson bldg
Van Develde, Bernard F., 3118 W 25th, S W
Vinson, M. A., Citizens bldg
Vorce Engineering Co., Perry-Payne bldg
Walton, Curtis, Rose bldg
Warner, Franz C., Citizens bldg
Warner, Jno., 611 Eddy road
Watterson & Schneider, New England bldg
Wells, Marion E., The Arcade
Wertz & Willson, Lennox bldg
White & Shupe, Schofield bldg
Wyman, Chas. L., Citizens bldg

COLUMBUS—Bellows, C. W., 29 Ruggery
Darst, Otto C., Brunson bldg
Dauben, Jos., Eberly bldg
Dawson & Holbrook, Outlook bldg
Elliot, Fred'k W., Board of Trade bldg
Gleichauf, F. S., New 1st Natl Bk bldg
Goldsmith, Jacob S., Wyandotte bldg
Gribben, J. Upton, Columbus Sav. & Trust
Howard & Merriam, Capitol Trust bldg
Howell & Thomas, Col. Sav. & Trust bldg
Inscho, C. L., Brunson bldg
Jones, H. Chas., Desher blk
Jones, J. A., Despatch Annex
Julian & Julian, 570 N High
*Linthwaite, H. A., Union Nat'l Bank bldg
Maetzel, Henry & Co., American Savings Bank bldg
Marriott & Allen, Hayden-Clinton Bank bldg
Mills, P. B. & E., Board of Trade bldg
Mills, Wilbur T., McCune bldg
Overton, Geo. Elmer, 26 S 3rd
*Packard, F. L., Hayden bldg
Pruitt, Edw. E., Y. M. C. A. bldg
*Richards, McCarthy & Bulford, Ruggery
Rickett, E. H., Columbia bldg bldg
Riebel, David & Sons, New 1st Nat'l Bank
Stribbling & Lum, 85 N High bldg
Tremaine, Wm., Board of Trade bldg

CONNEAUT—Smith & Potter

DAYTON—*Dexter, Robert E., Canby bldg
Freudenberger, Jno. F., Barney bldg
Gerber, E. L., U. B. bldg
Heathman, F. B., Davies bldg
Herby Charles, U. B. bldg
Mountstephen, Edw. J., McIntire bldg
†Owens, Chas. S., Davies bldg
*Peters, Herman & Brown, Reibold bldg
Pretzinger, Albert, Reibold bldg
Russ, W. E., Conover bldg
Schenck & Williams, 591 Arcade
Slover Bros., Canby bldg
Sutter, Frank L., Louis blk
*Williams, Chas. I., Callahan blk

DEFIANCE—Hale, J. I.

DELPHOS—Herrick, I. S.
Trames, Henry

EAST LIVERPOOL—Calhoun, W. A.
Fritz, A.
Scott, A. W., Jr.

FINDLAY—Horn, Geo. J.
Kramer, W. Lewis

FOSTORIA—Smith, F. M.

FREMONT—Johnson, Miss Alice C.
Shively, S. H. & Son

GREENVILLE—Jackson & Son

HAMILTON—Barkman, Geo.
French, Ransford M.
Lingler, Wm. D.
Mueller, Fred'k G.

HOME CITY—Drucker, Fred H.

IRONTON—Murray, T. S. & Son

JACKSON—Bingman, Fred E.

KENNEDY—Lindsay, J. R.

LANCASTER—Getz, W. F.

LIMA—Chapin, John A.
De Curtians, A.
Leech & Leech
McLaughlin & Hulsken
Matthews, B. F.

LOGAN—Magoon, M. A.

LORAIN—Ellis, C. C.
Ford, Hamilton E.
Gawn, J. D.
Rissman, Paul A.
Prescott, Jno. H.
States, W. T.
Wurmser, H. O.

MANSFIELD—Hursh, F. B.
Jones, Harlan
*Redding, Vernon

MARIETTA—Decker, W. A.
Hovey, George T. & Son

MARION—Sloan, J. J.

MARTIN'S FERRY—Green & Dayton

MASSILLON—Heckman, Chas. B.

MILFORD—Elliott, Chas. N.

MILFORD—Elliott, Chas. N.

NEWARK—Arbaugh, R. B.
Carlisle, Fred H.

NEW LEXINGTON—Strosnider, Jess L.

NILES—Souder, C. P.

NORWALK—*States, W. T.

NORWOOD—Stewart, Jas. R.

PAINESVILLE—Thayer, Irwin W.

PIQUA—Bowdle, C. F.

PORTSMOUTH—Alger, A. B. & Sons

RAVENNA—Green, James

SALEM—Cameron, Albert
Hutton, Finley

SANDUSKY—Shivelly, S. H. & Son

SPRINGFIELD—Cregar, Edwin F., 63 W High
Dawley, Chas. E. & Bro., Bushnell bldg
Drach, Gustave, Kelly bldg
Gotwald, Robert C., Gotwald bldg
Miller, Wm. F., Kelly bldg
Miller, Wm. F., 27½ S Limestone
Shilling, Wm. K., Bushnell bldg

STEUBENVILLE—Christie & Webster

TIFFIN—Hewitt, F. K.
Nelcher, G. W.

TOLEDO—Aftel, Sidney, Ohio bldg
Annin, Wm. H., The Spitzer
Bacon & Huber, The Spitzer
Becker, Bernhard, Gardner bldg
Buer, J. L., 731 Balfe
Dowling, Wm. R., 2121 Forest av
Downey, J. A., The Nasby
*Fallis, E. O., The Nasby
Hunt, Wm. B., The Spitzer
Johnson, A. W., The Spitzer
Kimball, Wm. G., the Spritzer
Lane, Louis, The Nasby
Langdon & Hohly, Nicholas bldg
Liebold, Herman A., 515 Jefferson av
Matz, J. W., Hartford blk
Mills, Geo. S., Gardner bldg
Rheinfrank, G. B., Gardner Bldg.
*Stine, David L., The Valentine
Stophlet, Manfred, Ohio bldg
Sturgis, A. Burnside, The Spitzer
Thal, Edw., Drummond blk
Thurstin, W. G., The Nasby
Tschumy & Co., 108 Summit
Wachter, H. W., The Nasby
Walker, Forest E., 211 Main
Welker, L. G., The Spitzer

WARREN—†Coe, Thos. R.
Harwood, H. H.
†Sidells, Byron T.

WILMINGTON—Shepherd & Son
Vance, John P.

WINTON PLACE—Dittoe, Louis G.
Werner, Geo. S.

WOOSTER—Power, S. A.

XENIA—Collins, A. C.

YOUNGSTOWN—Ellis, Wm. B., 28 E Federal
Hengist, T. A., Diamond blk
Judd, A. F., 141 E Federal
*Kling & Zenk, 115 W Federal
Miller & Ford, Dollar Savings Bank
Ott, C. J., Wick Bank bldg
*Owsley, Boucherle & Owsley, Maloney blk
*Thompson, R. F., Central av sq & Wick
Vaughn, George, 125 W Federal av
Wade, A. S., Stambaugh bldg

ZANESVILLE—Meyer, Harry C.
Taylor, Judson P.

OKLAHOMA

ARDMORE—Breedlove, Wm. F.
Tackett & Myall
White, John B. & Co.

BARTLESVILLE—Babcock & Hart

CHICKASHA—Galbraith, T. J.
McManus & Williams
Oklahoma Architectural & Engineering Co.

DURANT—Stevens, W. A. & Co.

EL RENO—Vogel, J. W.

ENID—Crowell, A. A.
Scifres, Z. M.
Shaw, R. W.
Trayer, Albert A.

GUTHRIE—Burdette & Moon
Cotton, D. R.
Weathers, P. H.

HOBART—McCanse, Wm.

HUGO—Glenn Bros.

LAWTON—Brodie, T. L.
Jones, Jno. Ira

McALESTER—Bergeron, Narcisse
Smith & Parr
Walsh, Jeffrey J.

MUSKOGEE—Ashby, Radford & Niemann
Duffy, C. J.
Farrell, Jno.
McKibben & McKibben
Ossenkop, H. F.
Sudhoelter, Chas. H.

OKLAHOMA CITY—Bailey, Leonard H. & T. Wendell
Coady, E. & Co.
Collignon, G. W.
Fowler, W. M.
Hawk, J. W.
Hyde, Frank D.
Layton & Smith
Lobdell, Chas. R.
Randall, J. Harry Co.
Rocke, M. M.
Turbyfill, W. F.
Van Meter & Walsh
Wells, Wm. A.
Williams & Wells

SHAWNEE—Davis & Horne
Flemming, J. E.
Mitchell, J. P.
Peters, E. J.

SAPULPA—Griffith, W.
Kaufman, D. P. & Son

TULSA—Cann, W. A.
Glanfield, J. J.
Malcom & Moore
Mathews, Lee
Moore & Hugenin
Oklahoma Architectural Co.
Ruggles, L. H.
Starr, John V.
Winkler & McDonald

VINITA—Church, R. C.

WELEETKA—McKlemurry, L.

WOODWARD—Hulse, W. E.

OREGON.

ALBANY—Burggraf, C. H.
Hand, W. R.

ASHLAND—Clark, F. C.

ASTORIA—Wicks, J. E.

BAKER CITY—Bennes, J. V.
White, M. P.

CONDON—Winans, H. C.

DALLAS—Morrison, F. H.

EUGENE—Campbell, Wm. T.
Free, Thos.
Hensell, Y. D.
Hunzicker, John

FOREST GROVE—Starrett, F. M.

HOOD RIVER—Jerome, Lewis & A.
Simonton & Son

LA GRANDE—Slater, J. L.
Thornton, C. R.

MARSHFIELD—Eddy, A. H.
Turpen, W. S.

MEDFORD—McIntosh, J. A.
Peutz, S. S.
Perkins & Lyon

NEWBERG—Watkins, S. E. & Son

NORTH BEND—Dilley, B. F.
Griffin, A. J.

OREGON CITY—White Bros.

PENDLETON—Howard, Theo. F.

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Berndt, F. J., Swetland bldg
Browne, P. Chappel, Marquam bldg
Camp, H. L., 94 Union av
Claussen & Claussen, Board of Trade
Dittrich, Henry C., Worcester bldg
Doyle & Patterson, 423 Worcester bldg
Elkerton, G. H., 1633½ E 13th
Ewart, A. C., Failing bldg
Faber, A. H., Commercial bldg
Fritsche, Wenzel, 1155 Belmont
Goodrich & Goodrich, Fenton bldg
Heft, Henry J., Lumber Exchange
Henn, C. W., Fenton bldg
Herald, A. G. & Co., 37 Raleigh
Hockenberry, R. N. & Co., Washington Bldg.
Horn, C. L., 250½ Madison
Hubert, Derrick, Commercial bldg
Jacobberger, Jos., Board of Trade
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Johnson, C. B., 204 Mohawk
Kable & Kable, Chamber of Commerce
Kleemann, Otto, 30 Grand av, N.
Knighton, W. C., Commercial Bldg.
Kroner, Ernest, Worcester bldg
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Lewis, David C., Couch Bldg.
Lewis & Lewis, 401 22nd, N
McClaren, E. E., Lumber Exchange
McKeen, David, 164 E. 12th
MacNaughton, Raymond & Lawrence, Concord bldg
Martin, Richard, Jr., DeKum Bldg.
Morgan, W. L., Failing bldg
Murray & Austin, 362 Wash
Neer, Delos D., 1334 1st
Ray, Wm., 251 10th
Robbins, C. C., Ainsworth bldg
Schacht, Emil, Commonwealth bldg
Travis & Wilson, Sherlock blk
Whidden & Lewis, Corbett bldg
Whitehouse & Honeyman, Worcester bldg
Williams, D. L., Cham. of Com. Bldg.
Wrenn, J. D., Board of Trade

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ROSEBURG—Straw, Walter
SALEM—Pugh & Legg
THE DALLES—Crandall, C. J.

PENNSYLVANIA.

ALLEGHENY—(See Pittsburg.)
ALLENTOWN—Jacoby & Weishampel, Commonwealth bldg
Picken, Ephraim M., Allentown Nat'l Bk
Ruhe & Lange, 10 N 6th
ALTOONA—Millard, Julian
Rudolph, A. W.
Sholler & Hirsh
BEAVER—East, Wm. J.
BEAVER FALLS—Snyder, A. J.
BELLEFONTE—Cole, Robert
BETHLEHEM—Biggin, Frederic Child
BRADDOCK—Richards, S. Colfax & Co.
BRADFORD—Brickell, E. F.
BUTLER—Foster, Wm.
CARBONDALE—Robinson, Jos. F.
CARLISLE—Brindle, A. N.
Wetzell, A. J.
CHAMBERSBURG—**Kedgy, Franklin**
Rhoades, M. R.
COATESVILLE—Thorne, Eldwin H.
COLUMBIA—Paules, Granville E.
CRAFTON—Prack, Bernhard H.
DUBOIS—Orner, Frank F.
Overdorf, Wm. H.
EASTON—Michler, Wm. M.
Morgenstern, Geo. A.
Stewart, John M.
ERIE—*Cody, C. Paxton, Downing bldg
Frank, Jos., Scott blk
Lee, Jos., 2734 Peach
Meyers, A. F., Lincoln bldg
*Yard, J. W. & Son, 808 State
FRANKLIN—Brakeman, Harvey
Craig, Leland
Osborn, John
GLENOLDEN—North, Wm. F.
GREENSBURG—Sloan, W. G.
Truxell, Geo. H.
HANOVER—Myers, I. M.
HARRISBURG—Bernheisel, Chas. H., 5 N 2d
†Grove, Geo. H., 213 Walnut
Hamilton, Thos. H., 11 N Market sq
Kast, M. I., 204 Market
Lloyd, C. Howard, 216 Market
Opperman, Karl T., 29 N 2d
HAVERFORD—Baily, Wm. L.
Collier, Austin McD.
Evans, Allen
HAZLETON—Beck, Chas. O.
Luzerne Engineering Co.
HOMESTEAD—McClure, M. L.
Piatt, D. S.
Rowlands, Jno. C.
Vernon, Arthur
JOHNSTOWN—†Krueger, Geo.
Myton, W. R.
Reiche, Frank P.
Wild & Rodgers
KINGSTON—Lathrop-Emery Co.
KITTANNING—Simpson, Jno. T.
LANCASTER—Evans, Clifton, 28 S Lime
Evans, Melvern R., 112 N Queen
Rothenberger, D. M., 17 N Queen
Urban, C. Emlen, Woolworth bldg
LANSDALE—Bean, M. B.
Conover, Samuel S.
LANSDOWNE—Lewis, Edwin B.
LANSFORD—Edwards, John C.
LATROBE—Slack, P. S.
LEBANON—Euston, E. C.
Hauer, Harvey T.
Richter, A. A.
LEWISTON—Montgomery, Harry B.
McKEESPORT—Lindmans, Henry J.
Lohman, H. J.
Wilson, W. F.
MEADVILLE—Richard, P. H.
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*Foulk, S. W. & Son
Scheule, Andy
*Thayer, C. C. & A. L.
Wirsing, H. M.
NEW KENSINGTON—Brakeman, Harvey
Ellis, B. H.
NEWTOWN—Chamberlin, James B.
NORRISTOWN—Hendricks, C. R.
OIL CITY—Brenot, Joseph P.
Charles & Baily
PHILADELPHIA—Adams, Alex. M., 1012 Walnut
Adams, Clyde S., 1233 Arch
Allen, John D. Co., Betz bldg
Baily & Bassett, 421 Chestnut
Baker & Dallett, 1629 Chestnut
Balderson, Chas., 411 Walnut
Ballinger & Perrot, 1211 Arch
Barnes, Amos W., 134 S 9th
Barthmaier, Eugene V., 3119 N Broad
Beale, Dan'l S., 3102 N 16th
Bennett, Thos. F., Betz bldg
Berger, Carl P., Penn sq bldg
Bertolette, Edw. F., West End Trust bldg
Bissell & Sinkler, Bailey bldg
Blauvelt, Henry J., Mariners' & Merchants'
Blithe, Wesley L., 608 Chestnut bldg
Boggs, Edw. T., 136 S 4th
Bolton, Chas. W. & Son, Witherspoon bldg
*Boyd, D. Knickerbocker, 15th & Walnut
*Boyd, Lawrence V., Harrison bldg
Boyle, Rowland W., 1626 Chestnut
Brockie & Hastings, 328 Chestnut
Bunting & Shrigley, 603 Chestnut
Caldwell, Francis G., 1533 Chestnut
Catharine, Irwin T., 1614 Christian
*Chandler, Theophilus P., 328 Chestnut
Churchman, C. Wharton, 1309 Walnut
Clark, Harry A., 602 S 60th
Coneys, Jno. L., 15th & Walnut
Cope & Stewardson, 320 Walnut
Coyle, Jos. S., 622 Filbert
Crump, Henry J., Colonnade Hotel
Cummiskey, Chas. J., 243 W Haines, Gtn
Cutler, Albert, 614 Chestnut
Dagit, Henry D., 411 Walnut
Davis & Davis, 1600 Chestnut
Day, Frank Miles & Bro., 925 Chestnut
Deacon, C. H., 3046 Colona
De Armond & Ashmead, 618 Chestnut
Deery, Jno. J., Betz bldg
De Moll, Carl, 282 W Rittenhouse, Gtn
Dilks, Albert W., Mutual Life bldg
Dobbin, Geo. F., 8341 Gtn av
Dodge & Day, Drexel bldg
Dothard & Dothard, 243 S 4th
Duhring, Okie & Ziegler, Bailey bldg
Dull, Jno. J., Witherspoon bldg
Durang, Edwin F. & Son, 1200 Chestnut
Durham Bros., Heed bldg
Erskine, Richard, Bailey bldg
Evans, F. Hopkinson, 910 S St Bernard
Evans & Bright, Roger Williams bldg
*Eyre, Wilson, 929 Chestnut
Fernald, Jas. C., 5533 Wyalusing
Fetterolf, Edwin H., Weightman bldg
Fielding, Mantle, 518 Walnut
Folsom, Crowe & Stanton, Drevel bldg
Frankenfield, Jacob K., 1030 Monmouth
Furber, Wm. C., 416 Walnut
Furness, Evans & Co., Provident bldg
*Gardner, Clarence, Penn Mutual Life Ins
Gill & Mercer, Drevel bldg Co bldg
Halleck & Bretherick, 411 Walnut
Hannum, Chas. H., 114 N 11th
Harris, Clinton G., 137 S 5th
Hartmann, Emil H. & Co., 514 Walnut
Hartman, Harry, 514 Walnut
*Hazlehurst, Edward, 1433 Chestnut
Heacock & Hokanson, Bailey bldg
Hearst, Geo., 5437 Morris, Gtn
Herold, Jacob, 932 N 11th
Herold, Otto, 2536 N 33d
Hewitt, G. W. & W. D., Bullitt bldg
Hewitt, Stevens & Paist, Bullitt bldg
*Hickman, Louis C., 328 Chestnut
*Hillman, Chas. L., Provident bldg
Hinderman, Carl, 3429 Walnut
Hoffman, Chas. L., 911 Walnut
Holland, Leicester B., 2006 Chestnut
Holman, E. Elizabeth, 1020 Chestnut
House, Jno. H., Jr., Crozer bldg
Huston, Joseph M., Witherspoon bldg
*Hutton, Addison, Stephen Girard bldg
Jackson, J. Elvin, 719 Walnut
Jackson, Wm. E., 927 Chestnut
Jeffries, Joshua C., Mutual Life bldg
*Johnson, Lindley, Harrison bldg
Johnson, Philip H., Land Title bldg
Jungels & Anderson, Drexel bldg
Keen, Chas. Barton, 1220 Chestnut
Keisker, F. H., Perry bldg
Kelsey & Cret, Weightman bldg
*King, Guy, 1513 Walnut
Kley, Percy A., 1535 Chestnut
Koelle, Speth & Co., 2601 Oxford
Kuhn, Peter, 3058 N 8th
Lacey, Adin Benedict, 1012 Walnut
Lee, Valentine B., 929 Chestnut
Letzgus, Anton A., Bailey bldg
Loos, Richard C., 1017 Chestnut
*Lovatt, George I., 418 Walnut
Lueders, Chas. W., 475 N 4th
McAuley, Wm. J., 821 N 41st
McIlvain & Roberts, Land Title bldg
McIlvaine, J. Gilbert, 929 Chestnut
*Macomb, Hy. A., 717 Walnut
*Mason, Geo. C., Drexel bldg
Medary, Milton B., Jr., 1414 S Penn sq
Medoff, Barnet J., 518 Spruce
Meller & Megis, Lafayette bldg
Miller, Herman, Crozer bldg
Milligan & Webber, 520 Walnut
Mills & Vankirk, Harrison bldg
Molitor, John, 1309 Walnut
Morris, Geo. Spencer, Stephen Girard bldg
*Moses, Arnold H., 136 S 4th
Naschold, Jacob, 514 Walnut
Nattress, Geo. & Son, 1129 Walnut
Newhall, Geo. M. Engineering Co. (Ltd.), 136 S 4th
Newman & Harris, 1414 S Penn sq
Nock, E. Witherden, 60th & Market
Oelschlager, Chas. E., Harrison bldg
O'Neill, Frank, Jr., 36 S 21st
Ord, Jno., 3202 Arch
Pacey, Robert, 1929 Rowan
Page, Chas. C., 1420 Chestnut
Page, Geo. B., Harrison bldg
Paist, Phineas E., 1709 Chestnut
Parry, Oliver R., 1723 Chestnut
Paxson, Edw. S., 729 Walnut
*Pearson, George T., 427 Walnut
Peddle, Chas. R., Bullitt bldg
Perot, Robeson Lea, Bailey bldg
Peuckert, Kurt W., 310 Chestnut
Phillips, Watson K., 430 Walnut
***Plack, W. L., 1208 Chestnut**
Plowman, Rush A., Witherspoon bldg
Potter, W. Woodburn, 137 S 5th
Prentzel, David A., Sherman & W Johnson,
Price, Walter F., 714 Walnut Gtn
Price & McLanahan, 1624 Walnut
*Prichett, Wm. C., 420 Walnut
*Pursell, Isaac, 119 S 4th
Rahn, C. E., 410 Walnut
Rankin, Kellogg & Crane, 1012 Walnut
Rehfuss, Geo. U., 26 S 15th
Reinhold, Henry L., Jr., 10th & Sansom
Richards, Thos. W., 4812 Fairmount av
Roberts, Spencer, 26 S 15th
Rommel, Frank A., Weightman bldg
Rush, Louis H., Mutual Life bldg
Sansom, E. M., 518 Walnut
Sauer & Hahn, 1112 Chestnut
Savage, Geo. E., Provident bldg
*Savery, Scheetz & Savery, Stephen Girard bldg
*Schermerhorn, Clarence E., 430 Walnut
*Seeler, Edgar V., Real Estate Trust Co bldg
*Sellers, Horace W., Stephen Girard bldg
*Shirk, J. C. M., 421 Chestnut
Simon & Bassett, 1112 Chestnut
*Smedley, Walter, Stephen Girard bldg
Smith, W. Frisbey, 1345 Arch
*Stearns & Castor, Stephen Girard bldg
Stevens, Benj. R., Bullitt bldg
Stuckert, F. Russell, 1421 Chestnut
Stuckert, J. Franklin, 1420 Chestnut
Supplee, Davis D., 152 E Washington la, Germantown
Thomas, Walter H., 1309 Walnut
Tourison, Bart, 7014 Boyer, Gtn
*Totten & Rogers, 1120 Chestnut
Trout, H. Clifton, 1533 Chestnut
Trumbauer, Horace, Land Title bldg
Trumbower, Werner, Crozer bldg
Vasquez, R. L., 2902 Rhawn, Hbg
Vaux, Wm. S., Bailey bldg
Walton, W. McKee, 714 Walnut
Warren, H. Rinehart, 1319 N 15th
Watson & Huckel, 1211 Walnut
Watts, J. Murray, 328 Chestnut
Wells, C. M., 518 Walnut, Gtn
Westover, Albert E., Keith Theatre bldg
Wetherell, Herbert J., 328 Chestnut
White, Ralph E., Penna bldg
Wilson, E. Allen, Land Ttle bldg
*Wilson, Harris & Richards, Drevel bldg
*Windrim, Jno. T., Commonwealth bldg
Winter, Robt. C., 136 S 4th
Wolf, Otto C., 11th & Market
Yarnall, Wm. D., Lippincott bldg
Yeomans, Alfred B., 1716 Chestnut
Young, Jos. H., Perry bldg
Zantzinger, Clarence C., 251 S 4th
Zantzinger & Borie, 139 S 15th
Zelenziger, Carl B., 2618 Montgomery av
Zimmerman, Harry, 4643 Penn Fkd
PHOENIXVILLE—Lowery, Irvin
PITTSBURG—Albinger, F. E., 331 4th av
Alden & Harlow, Farmers Bank bldg
Allison & Allison, Westinghouse bldg
Bair, Harry S., Westinghouse bldg
Bartberger, Chas. M. & Son, Westinghouse
Beatty, John L., 6th & Penn av bldg
*Bickel, Chas., 524 Penn av
Bier, Chas. W., 219 6th
Billquist & Lee, 341 6th av
*Boyd & Stewart, Century bldg
Brady, Wm. T., Lewis blk
Brosie, Louis O., 6200 Penn av
Butz, E. M. Co., Fulton bldg
Campbell, Jas. N., Penn bldg
Carlisle, Edw. J., Ferguson bldg
Carpenter & Crocker, 6024 Penn av
Clark, W. E., 422 Federal, N S
Clepper & Moffitt, 108 Smithfield
Comes, John T., Washington bldg
Cornelius, T. Ed., 319 3d av
Crone, Daniel A., 7 Wood
Currier & Morse, 524 4th av
Dean & Stophlet, 331 4th av

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De Arment, Frank H., Fulton bldg
De Bobula, Titus, Frick bldg
Dickinson, M. H., 217 9th
Denick, E. V., House bldg
Egli, Jacob, 22 N Diamond, N S
Emanuel, Jas. G., 407 4th av
Emmerling, J. F., 209 Roup
Estep, Harry S., 209 9th
Esterhammer, Geo., Fulton bldg
Felket, Frank, 413 4th av
*Gilchrist, H. D., Frick bldg
Gunn, C. A., 205 Dithridge
Hall, S. A., House bldg
Hannah, Thos., Kessan bldg
Heckert, Sidney F., Stevenson bldg
Herron, Thos. J., 209 9th
Hodgdon, C. W., Penn bldg
Hodgdon, Geo. & Son, 833 4th av
Hodgens, H. Childs, Empire blk
Irwin, Paul W., 309 9th
Janssen & Abbott, 9th & Liberty av
Kauffmann, William, Lewis blk
Keirn, J. Edw., 3945 Brighton Rd, N C
Kiehnel & Elliott, 209 9th
Krapff, Henry M., 217 9th
Lang, E. B. & Bro., House blk
Lloyd Bros., Lewis blk
Long, John & Son, Machesney bldg
MacClure & Spahr, Keystone bldg
McCollum & Dowler, Berger bldg
McKee, T. C., Arrott bldg
McMaster, Andrew, Curry bldg
McMaster, Jennie K., Penn bldg
Marsteller, S. A., 246 3d av
Mazer, Jacob, Bakewell bldg
Mentel, C. G., 422 Federal, N S
Miller, A. K., Penn bldg
Miller, D. Knox, 237 4th av
Neal, Joseph L., 215 4th av
Nirdlinger, Max, Diamond Bank bldg
*Orth, Geo. S. & Bros., 341 6th av
Osterling, F. J., 316 4th
Page, Oliver O., 238 4th av
Palmer & Hornbostel, Empire bldg
Peoples, U. J., Magee bldg
Rieger, Chas. J., 307 4th av
Rousseau, Marius, Magee bldg
Rousseau, S. L. R., 307 4th av
Rutan & Russell, Magee bldg
Sanderson, Edw. T., Empire bldg
Sauer, F. C., 804 Penn av
Schellentrager, E. J., Fulton bldg
Schwan, Geo. H., 323 4th av
Scott, T. H., Machesney bldg
Shaw, Wm. J., Century blk
Simpson & Schmeltz, Wabash bldg
Sims, Wm. H., 5415 Black
Snaman, Wm. B., Empire bldg
Steen, James T., Fulton blk
Stevens, Louis, 238 4th av
Stillburg, Joseph, 421 Wood
Stolte, Fred'k H., Park bldg
Stotz, Edward, 213 6th av
Struthers, W. F., 209 9th
Thomas, W. A., Park bldg
Topp, O. M., Empire bldg
Trimble, R. Maurice, Ferguson bldg
Vrydaugh & Wolfe, 347 5th av
Wilkins, W. G. Co., Westinghouse bldg
Williams, Chas. E., 422 5th av
Willoughby, Chas. E., 424 4th av
Winkler & MacDonald, House bldg
Wyckoff, A. W. Co., Farmers' Bank bldg
Wyss-Thalman, Vincent, Wabash bldg
Zortman, Wm. N. N., 238 4th av

PITTSTON—Davey & Crowther
Dershimer, A. E. R.

POTTSVILLE—Mould, C. T.
Hill, Wm. D.
Reilly, Frank X.

READING—Brown, D. F., 50 N 11th
Fink, W. A., 426 Franklin
Gerhard, G. L., 619 Penn
Lance, L. D., 540 Court
Muhlenberg Bros., 2d Nat. Bank
Scholl & Maurer, 35 N 6th
Smith, Alexander F., Baer bldg
Stetler & Mengle, W'msg

ROCHESTER—Earl Bros.

ROYERSFORD—Poley, Vincent R.

SCRANTON—Blackwood & Nelson, 126 N Wash'n av
Brown, Fred'k L., Price bldg
Davey & Crowther, Coal Ex. bldg
Davis, Edw. H., Connell bldg
Duckworth, Jno. A., 44 Coal Ex. bldg
Edson, Gilbert N., Connell bldg
Hancock, Lewis, Jr., Coal Ex bldg
Hartman, Albert, 745 N Irving av
Lacey, B. T., Connell bldg
Langley, Edw., Connell bldg
Morris, Percival J., Amsden bldg
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Rutherford, Herman C., Pauli bldg
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Weinechenk, Arthur A., 110 N Wash'n av

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Wolts & Porter

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Knapp, John B., 15 S Franklin
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McGlynn, Owen, Simon Long bldg
*Olds & Puckey, Coal Exch. bldg
Pettebone & Ireland, 2d Nat. Bank bldg
Podmore, Thos., Bennett bldg
Reilly & Schroeder, Bennett bldg
Welsh & Sturdevant, Coal Ex. bldg

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Milligan, Chas. W., Carl bldg
Milligan & Miller, Franklin st
Scheibler, F. G., Jr., 700 Wood

WILLIAMSPORT—Fisher, Mahlon L., Jamison blk
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Reitmeyer, T. P., 360 Market
Ritter, M. B. Co., 17 W Market sq

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Newton, Dudley
Smith, Jas., 20 Bath rd
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Browne, Fred E.
Humes, Albert H.
Learned, Chas. H.
Monahan, R. C. N.
Page, George H.
Seabury, Dwight (Mill Arch. & Eng.)

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Almy, Arthur Lewis, 19 College
Angell & Swift, 87 Weybosset
Banning & Thornton, 87 Weybosset
Barrows & Pierce, 87 Weybosset
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Cooper & Bailey, 87 Weybosset
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Gould & Hall, 146 Westminster
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Hill, Arthur E., 75 Westminster
*Hilton & Jackson, 75 Westminster
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Martin & Hall, Union Trust bldg
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Robertson, W. T., 49 Westminster
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Thornton & Thornton, 152 Weybosset
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Kent, Willard
Paradis, A. H.
Spaulding, G. W.

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Alsup, B. C. & Co.
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†Clinton Bros. Co., Memphis Trust bldg
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Hanker & Cairns, Scimitar bldg
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Woods, N. M., Jr., Goodwyn bldg

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Fletcher, J. B., Homestead bldg
Howard, Motz & Co., Arcade
Laurent, E. E., Arcade
Lockhart, G. L., Stahlman bldg
McKissack, Morse & Co., 517 2nd av
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Marr, Thos. S., 76 Cham of Com bldg
Runge & Dickey, 1st Nat'l Bank
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Roth, Max J., 2107 Mechanic
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Eldridge, G. W., Dooly bldg
Erskine & Lilllianburg, Com. Club bldg
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When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

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Bender, Geo., 137 Center, New York
Brown, Jas. & Son Co., Pittsburg, Pa.
Chattanooga Armature Works, Chattanooga, Tenn.
Chicago Edison Co., 139 Adams, Chicago, Ill.
Cleveland Armature Works, 4732 St. Clair av. N E, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
Commercial Supply Co., 47 Park pl., W, Detroit, Mich.
Dittrick & Jordan Electric Co., 8700 Lorain, Cleveland, O.
Doubleday-Hill Electric Co., 919 Liberty av, Pittsburg, Pa.
Electric Railway Equipment Co., 31st, below Chestnut, Philadelphia, Pa.
Electrical Engineering Co., Seattle, Wash.
Electrical Supply Co., Charleston, S. C.
Electro-Dynamic Co., 5 Nassau, New York
Elliott Bros. Electric Co., Cleveland, O.
Elliott, S. K., Blackstone bldg, Cleveland, O.
Eureka Tempered Copper Works, North East, Pa.
Flint, Lomax Electric & Mfg. Co., 1400 Delgany, Denver, Colo.
Gregory Electric Co., 58 S Clinton, Chicago, Ill.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Heck, Louis, 35 N. J. R. R. av, Newark, N. J.
Jordan Bros., 74 Beekman, New York
Martin Electric Company, 90 Vernon, New York
Pittsburg Electrical & Machine Works, Pittsburg, Pa.
Ridlon, Frank Co., 251 A, Boston, Mass.
Rossiter, MacGovern & Co., 90 West, New York
Scranton Electric Construction Co., Scranton, Pa.
Sipp Electric & Machine Co., Paterson, N. J.
Southern Electric Co., 423 N. Calvert, Baltimore, Md.
Utica Electrical Mfg. & Supply Co., Utica, N. Y.
VAN DORN ELECTRIC & MFG. CO., 2649 E 79th, Cleveland, O. (See adv. index, end of book)

Armatures

Cleveland Armature Works, Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Pittsburg Armature Works, Pittsburg, Pa.

Arms (Mast)

(See Mast Arms, Arc Lamp, Etc.)

Arresters (Lightning)

American Carbon & Battery Co. (For Telephone & Telegraph), East St. Louis, Ill.
American Electric Fuse Co. ("American" for Telephone & Telegraph), Muskegon, Mich.
Anderson, Albert & J. M. Mfg. Co. ("Ajax," for Light & Power), 287a, S. B., Boston, Mass.
Appleton Elec. Co. (For Telephone & Telegraph, 224 Washington, Chicago, Ill.
Ashby Tel. Cut Out Co. ("No Risk," for Telephone & Telegraph), Chariton, Iowa
Berry Electric Mfg. Co. (For Telephone & Telegraph), Marion, O.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Central Tel. & Electric Co. (For Telephone), St. Louis, Mo.
Central Union Brass Co. ("Woods," for Light & Power), St. Louis, Mo.
Chance Mfg. Co. ("Sky-Rocket," for Telephone & Telegraph), Centralia, Mo.
Chicago Fuse Wire & Mfg. Co. (For Telephone & Telegraph), 170 S Clinton, Chicago, Ill.
Cook, Frank B. (For Light, Power, Telephone & Telegraph), 240 W Lake, Chicago, Ill.
Cracraft-Leich Elec. Co. (For Telephone & Telegraph), Genoa, Ill.
Dean Electric Co. (For Telephone & Telegraph), Elyria, O.
Electric Service Supplies Co. ("Garton-Daniels," for Light & Power), 1024 Filbert, Phila., Pa.
Ericsson, L. M. Tel. Mfg. Co. (For Telephone & Telegraph), Buffalo, N. Y.
Farr Telephone & Construction Supply Co. (Telephone & Telegraph), 118 W Jackson boul, Chicago, Ill.
Foote, Pierson & Co. ("Argus," for Telephone & Telegraph), 160 Duane, New York
GENERAL ELECTRIC CO. (For Light & Power), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
General Railway Signal Co., Rochester, N. Y.
Gifford Electric Mfg. Co. (For Light & Power), Traverse City, Mich.
Harvard Electric Co. (For Telephone & Telegraph), 66 W Van Buren, Chicago, Ill.
Holtzer-Cabot Electric Co. (For Telephone & Telegraph, Brookline, Mass.
Kellogg Switchboard & Supply Co. (For Telephone & Telegraph), Chicago, Ill.
Lord Electric Co. ("Shaw" Non-Arcing, for Light, Power, Telephone & Telegraph)) 213 W 4th, New York
McIntire, Chas. Co., Newark, N. J.
Manhattan Electrical Supply Co. (For Light, Power, Telephone & Telegraph), 17 Park pl., New York
Menominee Elec. Mfg. Co. (For Telephone & Telegraph), Menominee, Mich.
Michigan Elec. Specialty Co. ("Lac-M," for Telephone & Telegraph), Muskegon, Mich.
Minnesota Electric Co. ("Chapman," for Light, Power & Telephone), Minneapolis, Minn.
North Electric Co. (For Telephone & Telegraph), Cleveland, O.
Railroad Supply Co. (For Telephone & Telegraph), Chicago, Ill.
Railway Specialty & Supply Co. ("Arc Damp," for Telephone & Telegraph), Chicago, Ill.
Sterling Electric Co. ("Ledlic," for Telephone & Telegraph), Lafayette, Ind.
Stevens Mfg. Co. (For Light & Power), Woodbury, N. J.
Sumter Telephone Mfg. Co. ("Mason," for Telephone & Telegraph), Sumter, S. C.
Tornquist Electrical Mfg. Co., Moline, Ill.
Viaduct Co. (For Telephone & Telegraph), Relay, Md.
Vote-Berger Co. (For Telephone & Telegraph), La Crosse, Wis.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

HENDRICKS' COMMERCIAL REGISTER IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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Western Telephone Mfg. Co. ("H-C-D," for Telephone & Telegraph), 42 W Jackson boul, Chicago, Ill.
WESTINGHOUSE ELECTRIC & MFG. Co. (For Light & Power), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Woolley Electric Co. ("Woolley" Type C. C., for Light & Power), Clayton, Mo.

Arresters (Spark, Electric)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Brady, T. H. (Electric Lamp), New Britain, Conn.
Fort Wayne Electric Works (Inc.), Fort Wayne, Ind.
McLeod, Ward & Co., 27 Thames, New York
Phila. Electrical & Mfg. Co., 2011 Market, Phila., Pa.
South Bend Spark Arrester Co., South Bend, Ind.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Arresters (Spark, Locomotive, Traction Engine, etc.)

American Machinery Co., 528 Canal, New York
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Casey-Hedges Co., Chattanooga, Tenn.
Hendrick Mfg. Co., Carbondale, Pa.
Hornhorst, Joseph Co., Cincinnati, O.
Howell, R. R. & Co., Minneapolis, Minn.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Pope, E. M., Watertown, S. D.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Sly, W. W. Mfg. Co., Cleveland, O.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv, index, end of book)
South Bend Spark Arrester Co., South Bend, Ind.
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Westinghouse Co., Schenectady, N. Y.
WRIGHT WIRE CO. (Locomotive), Worcester, Mass. (See adv. index & branch offices, end of book)

Arseniate

Grasselli Chemical Co. (Of Lead), The Arcade, Cleveland, O., & 63 Wall, New York
Penna. Salt Mfg. Co. (Soda), 115 Chestnut, Philadelphia, Pa.
Shaw, Jno. & Co. (Soda), Boston, Mass

Arsenic (Red & White)

Beer, Sondheimer & Co., 42 B'way, New York
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Art Metal Work

(See Grilles, Brass & Bronze; also Grilles, Wrought Iron)

Artificial Stone Sidewalks

(See Cement & Concrete Pavements)

Asbestine

Whittaker, W. H., 245 Front, New York

Asbestos Building Lumber

Alignum Asbestos Lumber Co., 89 Cortlandt, New York, Works South River, N. J.
AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
American Hydrolith Co. ("Eterno"), 103 Park av, New York
Asbestos Wood Co. (For Building Construction, Sheets, Sheathing, Roofing, Siding, Electrical Purposes, etc.), Nashua, N. H.
Carey, Philip Mfg. Co., Lockland, Cincinnati, Ohio
Johns, H. W.-Manville Co. ("Transite"), 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.

Asbestos Cloth

(See Asbestos Textiles)

Asbestos (Corded Fibre)

Johns, H. W.-Manville Co., 100 William, New York

Asbestos Corrugated Sheathing (Reinforced)

Asbestos Shingle, Slate & Sheathing Co., Ambler, Pa.
Keasbey & Mattison Co. (Reinforced with Woven Wire), Ambler, Pa.

Asbestos Coverings

(See Pipe & Boiler Coverings, Asbestos)

Asbestos (Crude & Fibre)

(See Asbestos Miners)

Asbestos Felting Mfrs.

Carey, Philip Mfg. Co., Lockland, O.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Ehret Magnesia Mfg. Co., Land Title bldg, Philadelphia, Pa.
Franklin Mfg. Co., Franklin, Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.
New Jersey Asbestos Co., Camden, N. J.
New York Asbestos Mfg. Co., 80 John, New York
Oil City Asbestos Co., Oil City, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index, end of book)

Asbestos Fibres

(See Asbestos Felting)

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Asbestos Gloves & Mitts

Federal Asbestos Co., Alliance, O.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.

Asbestos Household Articles

Johns, H. W.-Manville Co., 100 William, New York
WATSON, H. F. CO., Erie, Pa. (See adv. index, end of book)

Asbestos Material

Asbestos Fibre Spinning Co., North Wales, Pa.
Carey, Philip Mfg. Co., Lockland, O.
Chicago Fire Proof Covering Co., 171 Randolph, Chicago, Ill.
Ehret Magnesia Mfg. Co., Land Title bldg, Philadelphia, Pa.
Federal Asbestos Mfg. Co., Alliance, O.
Franklin Mfg. Co., Franklin, Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.
New Jersey Asbestos Co., Camden, N. J.
New York Asbestos Mfg. Co., 80 John, New York
Oil City Asbestos Co., Oil City, Pa.
Sall Mountain Asbestos Mfg. Co., 68 S Canal, Chicago, Ill.
Trainer, O. W. Mfg. Co., 89 Pearl, Boston, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index, end of book)

Asbestos Metallic Cloth

Asbestos Fibre Spinning Co., North Wales, Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.

Asbestos Miners

International Asbestos Co., 309 B'way, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.
Martin, R. H., 220 B'way, New York
Sall Mountain Asbestos Mfg. Co. (Fibre), 68 S Canal, Chicago, Ill.

Asbestos Paper & Mill Board Mfrs.

Carey, Philip Mfg. Co., Lockland, O.
Ehret Magnesia Mfg. Co., Land Title bldg, Philadelphia, Pa.
Franklin Mfg. Co., Franklin, Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.
New York Asbestos Mfg. Co., 80 John, New York
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Oil City Asbestos Co., Oil City, Pa.
United States Asbestos Co., Manheim, Pa.
Star Asbestos Mfg. Co., North Wales, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index, end of book)

Asbestos Protected Metal

Asbestos Protected Metal Co. (Corrugated & Flat for Roofing, Siding & Ceilings), Canton, Mass.

Asbestos Roofing

(See Roofing, Asbestos)

Asbestos Rope, Cord & Twine

(See Asbestos Textiles)

Asbestos Table Padding

Asbestos Fibre Spinning Co. ("Huber"), North Wales, Pa.

Asbestos Textiles

Asbestos Fibre Spinning Co., North Wales, Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Ambler, Pa.
United States Asbestos Co., Manheim, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index, end of book)

Asbestos Yarns

(See Asbestos Textiles)

Ash Chutes (Steel Plate)

Edwards, T. & Co., Holyoke, Mass.
Lyon Metallic Mfg. Co., Aurora, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)

Ash Handling Plants

(See Conveyors, Coal & Ash Handling; also Coal & Ore Handling Machinery)

Ash Sifters

Brownson, B. & Co. ("Save-All"), St. Paul, Minn.
Hill Dryer Co. ("Hustler"), Worcester, Mass.
Lively, Jas. M. Co. ("I.-X.-L."), New Brunswick, N. J.
Success Mfg. Co. ("Perfection"), Gloucester, Mass.
Whittle, James H. ("Common Sense"), Worcester, Mass.

Asphalt Crushers & Pulverizers

Coldwell-Wilcox Co., Newburgh, N. Y.

Asphalt Damp Course

(See Damp Course)

Asphalt Dealers

Armitage Mfg. Co., Richmond, Va.
Armstrong, M. K., 95 S Clark, Chicago, Ill.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Dunderberg Asphalt Co., 6 Fletcher, New York
Gabriel & Schall, 205 Pearl, New York
Lamson, Jno. S. & Bro., 84 William, New York
Neuchatel Asphalte Co. (Ltd.), 265 B'way, New York
Saacke, Chas. W., 76 William, New York
Scheel, Wm. H., 159 Maiden la, New York
Schillinger Bros. Co., Toledo, O.
Sicilian Asphalt Paving Co., 41 Park Row, New York
Texas Co., 17 Battery pl., New York
Trinidad Asphalt Co., 320 S 21st, St. Louis, Mo.
Uvalde Asphalt Co., 1 B'way, New York, & Cline, Tex.
Warren Bros. Co., 93 Federal, Boston, Mass.

Asphalt Floors & Cellars

(See Contractors, Asphalt Paving)

Asphalt Heating Tanks

(See Heaters, Asphalt)

Asphalt (Liquid & Solid)

American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
Densmore-Stabler Refining Co., Los Angeles, Cal.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Dunderberg Asphalt Co., 6 Fletcher, New York
Globe Asphalt Co. ("Obispo" Brand), Bakewell bldg, Pittsburg, Pa.
Hercules Oil Refining Co., Los Angeles, Cal.
INDIAN REFINING CO. (Liquid for Roads), Cincinnati, O. (See adv. index, end of book)
Standard Asphalt & Rubber Co. ("Sarco"), 205 La Salle, Chicago, Ill.
Southern Refining Co., Los Angeles, Cal.
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Union Oil Co. of Cal. (The Diamond Brand), Los Angeles, Cal.

Asphalt Machinery

(See Machinery, Asphalt)

Asphalt Mastic

Blome, R. S. Co., Unity bldg, Chicago, Ill.
Capitol Asphalt Mastic Co., Columbus, O.
Gabriel & Schall (German Brunswick), 205 Pearl, New York
Neuchatel Asphalt Co., 265 B'way, New York
New York Mastic Works (Seyssel Asphalt), 11 B'way, New York
Shields, W. S. P. Co., Witherspoon bldg, Phila., Pa.
Standard Asphalt & Rubber Co. ("Sarco," "Matrix"), 205 La Salle, Chicago, Ill.

Asphalt Miners & Refiners

American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Barber, A. L. Asphalt Co. (Natural Asphalt), 90 West, New York
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
British California Oil Co., Los Angeles, Cal.
Bulls Head Oil Works (All Grades), San Francisco, Cal.
California Asphaltum Sales Agency ("Maltha"), Mills bldg, San Francisco, Cal.
California-Fresno Oil Co., Fresno, Cal.
California Liquid Asphalt Co., Santa Barbara, Cal.
Densmore-Stabler Refining Co., Los Angeles, Cal.
Dunderberg Asphalt Co., 6 Fletcher, New York
Empire Asphalt Co. (Refiners), Newark, N. J., & Arrott bldg, Pittsburg, Pa.
Gilson Asphaltum Co., Land Title bldg, Phila., Pa.
Globe Asphalt Co. ("Obispo' brand), Bakewell bldg, Pittsburg, Pa., & Los Angeles, Cal.
Gulf Refining Co. (Texas Asphalt), Frick bldg, Pittsburg, Pa.; Refinery, Port Arthur, Tex.
Hercules Oil Refining Co., Los Angeles, Cal.
Imperirous Product Co. ("Fairfield," "Sea Wall"), 213 St. Paul, Baltimore, Md.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
National Oil Refining & Mfg. Co., Bakersfield, Cal.
Producer's Refinery, Bakersfield, Cal.
Sicilian Asphalt Paving Co., 41 Park row, New York
Southern Refining Co., Los Angeles, Cal.
Standard Asphalt & Rubber Co. ("Sarco"), 205 La Salle, Chicago, Ill.
Texas Co., 17 Battery pl., New York
Trinidad Asphalt Mfg. Co. (Refiners), 320 S 21st, St. Louis, Mo.
Union Consolidated Refining Co., Los Angeles, Cal.
Union Oil Co. (of California), Los Angeles, Cal.
Uvaldo Asphalt Co., 1 B'way, New York
Warner-Quinlan Asphalt Co., Syracuse, N. Y., & 42 B'way, New York

Asphalt Mixers

(See also Concrete & Mortar Mixers)

Coldwell-Wilcox Co., Newburgh, N. Y.
Drake Standard Machine Works, 298 W Jackson boul, Chicago, Ill.
Equitable Asphalt Maintenance Co. ("Blake & Lats"), Kansas City, Mo.
Erie Machine Shops, Erie, Pa.
Hetherington & Berner Co., 19 W South, Indianapolis, Ind.
Iroquois Iron Works, Buffalo, N. Y.
Densmore-Stabler Refg. Co., Los Angeles, Cal.
Pioneer Iron Wks., 149 Pioneer, B'klyn, N. Y.
Universal Road Machinery Co., 120 Liberty, New York

Asphalt Paving Blocks & Tile

(See Paving Blocks, Asphalt)

*Asphalt Paving Protecting Strip

AMERICAN BRAKE SHOE & FOUNdry Co. ("Marginal"), Mahwah, N. J.; Western Union bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Asphalt Paving Tools

(See Tools, Asphalt Paving)

Asphalt Pipe Dip

American Asphaltum & Rubber Co., Woman's Temple, Chicago, Ill.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Dunderberg Asphalt Co., 6 Fletcher, New York
Globe Asphalt Co., Pittsburg, Pa.
Hercules Oil Refining Co., Los Angeles, Cal.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Southern Refining Co., Los Angeles, Cal.
Standard Asphalt & Rubber Co. ("Sarco"), 205 La Salle, Chicago, Ill.
Union Oil Co. (of California), Los Angeles, Cal.

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Asphalt Pitch

(See Pitch, Asphalt)

Asphalt Plant Builders

Atlas Dryer Co., Cleveland, O.
Cummer, F. D. & Sons Co. (Stationary), "The Arcade," Cleveland, O.
East Iron & Machine Co. (One-Car Portable), Lima, O.
Guelich Portable Asphalt Plant Co. (Portable), 300 W Jackson boul, Chicago, Ill.
Hetherington & Berner Co., Indianapolis, Ind.
Iroquois Iron Works (Portable & Railway), Buffalo, N. Y.
Universal Road Machinery Co. (Portable & Stationary), 120 Liberty, New York
Warren Asphalt Paving Co. (Municipal Plants a Specialty), Cambridge, Mass.

Asphalt Rollers (Steam)

(See Rollers, Steam Road)

Asphalt Separators

Coldwell-Wilcox Co., Newburgh, N. Y.

Asphaltoilene

Good Roads Improvement Co. (For Macadam or Gravel Roads, a Perfect Binder, Water & Dust Proof), Cincinnati, O.

Asphaltum Mfrs. & Importers

Dunderberg Asphalt Co., 6 Fletcher, New York
Gilson Asphaltum Co., Land Title bldg, Phila., Pa.
Gulf Refining Co. (Oil for Fluxing), Frick bldg, Pittsburg, Pa.; Refinery, Port Arthur, Tex.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
King-Keystone Oil Co., San Francisco, Cal.
Lamson, Jno. S. & Bro., 84 William, New York
National Oil Refining & Mfg. Co., Bakersfield, Cal.
Sascke, Charles W., 76 William, New York
Schillinger Bros. Co., 215 City av, Teledo, O.
Sicilian Asphalt Paving Co., 41 Park row, New York

Assayers' Supplies

(See Chemical Apparatus)

Atomizers (Billow)

National Supply Co. (For Fuel Oil Vaporation), 315 Dearborn, Chicago, Ill.

*Attachments (Automatic Drilling)

NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E. Cleveland, O. (See adv. index & branch offices, end of book)

Attachments (Gas)

American Brass & Copper Co., 138 Lafayette, New York
Bryant Electric Co., Bridgeport, Conn.
Macallen Co., Boston, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Spencer's, I. S. Sons, Guilford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Trumbull Electric Mfg. Co., Plainville, Conn.
Walsh, Owen Mfg. Co., 78 Barclay, New York

Attachments (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Owen Machine Tool Co. (Vertical Spindle, Rack Cutting, Circular Hand Feed, Circular Power Feed), Springfield, O.
Whitney Mfg. Co. (Vertical Universal), Hartford, Conn.

Attemperators

Jochum, Andrew, 148 E 50th, New York
Wolf, Fred W. Co., 141 Rees, Chicago, Ill.

Auger & Gimlet Mfrs.

Beaver Falls Mfg. & Fuel Co., Beaver Falls, Pa.
Conrad, A. & J., Fort Washington, Pa.
Dunne, J. S., Chester, Conn.
Drew, C. & Co., (Augers), Kingston, Mass.
Ford Auger Bit Co. (Augers & Bits), Holyoke, Mass.
Garratt & Beach, Seymour, Conn.
Hamden Mfg. Co., Hamden, Conn.
Humphreysville Mfg. Co., Seymour, Conn.
Irwin Auger Bit Co. (Augers only), Wilmington, Ohio
Ives, W. A. Mfg. Co. (Augers Only), 299 B'way, New York
Jennings, C. E. & Co., 42 Murray, New York
Mack & Co. (Solid Cast Steel), Rochester, N. Y.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Mayhew, H. H. Co. (Gimlets only), Shelburne Falls, Mass.
New Haven Copper Co. (Cast Steel Augers), Seymour, Conn.
Ohio Tool Co. (Augers only), Columbus, O.
Rockford Bit Co. (Augers), Kokomo, Ind.
Slack, Timothy, Oxford, Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan, James Co. ("Cook's" Augers, Gimlets, etc.), Seymour Conn.

Augers (Boring Machine)

Amercan Woodworking Machine Co., 136 Liberty, New York
Buckeye Mfg. Co., Anderson, Ind.
Chester Mfg. Co., Chester, Conn.
Hardisty & Co., Harris & Penna R. R., Cincinnati, O.
Hubbard & Co., Murtland bldg, Pittsburg, Pa.
Irwin Auger Bit Co., Wilmington, Ohio
Ives, W. A. Mfg. Co., 299 B'way, New York
Jennings, C. E. & Co., 42 Murray, New York
Jennings-Russell Mfg. Co., Chester, Conn.
New Haven Copper Co., Seymour, Conn., & 114 Chambers, New York
Ohio Tool Co., Columbus, Ohio
Slack, Timothy, Oxford, Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan, Jas. Co. ("Cook's," etc.), Seymour, Conn.

Augers (Bung)

(See Borers, Bung Hole)

Augers (Carpenters')

(See Auger & Gimlet Manufacturers)

Augers (Earth)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Austin Mfg. Co., Manhattan bldg, Chicago, & Harvey, Ill.
Cook Well Co., 15 S 4th, St. Louis, Mo.
Easey Auger Co. ("Bowman's"), College Corner, O.
Eureka Fence Mfg. Co. ("The S. & B."), Richmond, Ind.
Gills, Jno. D. Sons (Mine), Phillipsburg, Pa.
Howell, R. R. & Co., 31st av, c S E 4th, Minneapolis, Minn.
Morrison Mfg. Co., Fort Madison, Iowa
Rumsey & Co. (Ltd.) (Improved Clay, Earth & Sand), Seneca Falls, N. Y.
Star Drilling Machine Co., Akron, Ohio
Williams Bros., Ithaca, N. Y.

Augers (Electric Power)

Fairmont Mining Machinery Co., Fairmont, W Va.

Augers (Flexible Pipe Cleaning)

Lewis, Samuel, 5 Front, New York

Augers (Hollow)

Bonney Vise & Tool Works, Allentown, Pa.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Ives, W. A. Mfg. Co., 299 B'way, New York
Millers Falls Co. (Adjustable), 28 Warren, New York; Works: Millers Falls, Mass.
Silver Mfg. Co., ("Star") Salem, O.
Stearns, E. C. & Co., Syracuse, N. Y.
Swan, Jas. Co. ("Ames," "Universal" Chisel), Seymour, Conn.
Wood, A. A. & Sons Co. ("Universal"), Atlanta, Ga.

Augers (Ice)

Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.

Augers (Millwrights')

Jennings-Russell Mfg. Co., Deep River, Conn.
Swan, Jas. Co. ("Cook's," etc.), Seymour, Conn.

Augers (Miners')

Fulton Tool Works (Breast), Canal, Fulton, O.
Hubbard & Co. (Breast), Pittsburg, Pa.
Peglar Mfg. Co. ("Breast"), Chattanooga, Tenn.
Pittsburg Steel Mfg. Co. (Breast), Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick" Coal), Works, Cheswick, Pa.
Salem Tool Co. ("Salem" Breast Auger for Coal Mining), Salem, O.
Snell Mfg. Co., Fiskdale, Mass.
Warwood Tool Co. (Breast), Wheeling, W. Va.

Augers (Post-Hole)

Briggs Labor Saving Specialty Co. (Lightning), Waterloo, Iowa
Buckeye Mfg. Co., Anderson, Ind.
Dicke Tool Co., Downers Grove, Ill.
Driskill Mfg. Co., Paducah, Ky.
Eureka Fence Mfg. Co. ("S. & B."), Richmond, Ind.
Iwan Bros. ("Iwan," "Vaughns"), South Bend, Ind.
Jackson Shovel & Tool Co. ("Hartford") Montpelier, Ind., & Market & Randolph, Chicago, Ill.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Lehr Agricultural Co., Fremont, Ohio
Porter, J. E. Co. ("Keystone," "Porters"), Ottawa, Ill.
Pratt, Wm. E. Mfg. Co. ("Star"), 91 Lake, Chicago, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Richards Mfg. Co. ("Richards"), Aurora, Ill.
Tucker & Dorsey Mfg. Co. ("Dalbey"), State av c Bates, Indianapolis, Ind.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.
Western Steel & Iron Works, De Pere, Wis.

Augers (Rafting)

Irwin Auger Bit Co., Wilmington, Ohio
Ives, W. A. Mfg. Co., 299 B'way, New York
Swan, Jas. Co., Seymour, Conn.

Augers (Ring)

Irwin Auger Bit Co., Wilmington, Ohio
Ives, W. A. Mfg. Co., 299 B'way, New York
Swan, Jas. Co. ("Cook's," etc.), Seymour, Conn.

Augers (Ship)

Ford Auger Bit Co., Holyoke, Mass.
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill.
Irwin Auger Bit Co., Wilmington, Ohio
Jennings, C. E. & Co. (The "L'Hommedieu"), 42 Murray, New York
Ohio Tool Co., Columbus, O.
Rockford Bit Co., Kokomo, Ind.
Snell Mfg. Co., Fiskdale, Mass.
Swan, James Co. ("Swan's"), Seymour, Conn.

Augers (Telegraph)

Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Augers (Well)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Austin Mfg. Co., Manhataan bldg, Chicago, Ill.
Iwan Bros., South Bend, Ind.
Mark Mfg. Co., Evanston, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pech, Gustave, Foundry & Machine Co., Le Mars, Iowa
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Star Drilling Machine Co., Akron, Ohio

Automatic Weighing Machines

(See Machinery)

Automobile Boats

(See Motor Boat, Launch & Yacht Builders)

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Automobile Builders

Star (*) indicates Firms who Manufacture Steam Automobiles.

Dagger (†) indicates those who Make Electric Automobiles.

Star & Dagger (*†) indicates those who Make more than one kind. The kinds made by the latter are indicated in the parentheses following their names.

All others Make Gasoline Automobiles.

A. B. C. Motor Vehicle Mfg. Co., 3915 Morgan, St. Louis, Mo.

ABENDROTH & ROOT MFG. CO. ("Frontenac" Touring Cars & Runabouts), Newburgh, N. Y. (See adv. index & branch offices, end of book)

Acme Motor Car Co. ("Acme" Touring Cars, Runabouts, etc.), Reading, Pa.

Adams Co. ("Adams-Farwell" Touring Cars), Dubuque, Ia.

Aerocar Motor Co. (Touring Cars), Detroit, Mich.

Albany Automobile Co. (Runabouts & Surreys), Albany, Ind.

Alden-Sampson Mfg. Co. (Trucks), Pittsfield, Mass.

Allen-Kingston Motor Car Co. (Touring Cars), Kingston, N. Y.

American-La France Fire Engine Co. (For Fire Department Service), 149 B'way, New York, & Elmira, N. Y.

American Locomotive Co., B'way & 62d, New York

American Machine Mfg. Co. (Commercial Trucks), Detroit, Mich.

†American Metal Wheel & Auto Co. ("Juvenile" Child's Car), Toledo, O.

American Motor Car Co. ("American" Tourist & Roadster), Indianapolis, Ind.

American Motor Truck Co. (Commercial Truck Cars), Lockport, N. Y.

†Anderson Carriage Co. (Stanhopes, Coupes), Detroit, Mich.

Anderson Carriage Mfg. Co. (Pleasure Cars), Anderson, Ind.

Angus Automobile Co. (Pleasure Cars), Angus, Neb.

Apperson Bros. Automobile Co. ("Apperson" Touring Cars, etc.), Kokomo, Ind.

Atlas Motor Car Co. (Pleasure Vehicles, Taxicabs, etc.), Springfield, Mass.

Auburn Automobile Co., Auburn, Ind.

Austin Automobile Co. (Touring Cars, etc.), Grand Rapids, Mich.

*†Auto-Car Equipment Co. (Electric & Gasoline Touring Cars, Broughams, Limousines, Delivery Wagons, etc.), Buffalo, N. Y.

Autocar Co. (Touring Cars), Ardmore, Pa.

Auto Vehicle Co. (Pleasure Cars), Los Angeles, Cal.

†Babcock Electric Carriage Co. (Electric Carriages), 226 W Utica, Buffalo, N. Y.

Bailey Automobile Co., Springfield, Mass.

†Bailey, S. R. & Co. (Inc.), Amesbury, Mass.

†Baker Motor Vehicle Co. ("Baker Kid," "Torpedo" Racing Cars, Runabouts, Depot Carriages, etc.), Cleveland, O.

Bartholomew Co. ("Glide" Touring Cars, Delivery Wagons, etc.), Peoria, Ill.

Bay State Auto Co. (Bay State Forty"), 112 Norway, Boston, Mass.

Belden Motor Car Co., Bessemer bldg., Pittsburg, Pa.

Bendix Co. (Pleasure Vehicles), Chicago, Ill.

Benner Motor Car Co. (Pleasure Vehicles), Thoroughfare bldg, New York

Benz Auto Import Co., 1601 B'way, New York

Black Mfg. Co. (Pleasure Vehicles), 124 E Ohio, Chicago, Ill.

Blomstrom Mfg. Co. (Touring), Detroit, Mich.

*Boss Knitting Machine Works ("Boss"), Reading, Pa.

Bradford Motor Works ("Holley" Light Touring Car), Bradford, Pa.

Brazier Automobile Works, 1811 Fitzwater, Phila., Pa.

Brewster & Co., B'way & 47th, New York

Bristol Engineering Corp. (Commercial Wagons), Bristol, Conn.

Brodesser Elevator Mfg. Co. (Delivery & Commercial Vehicles), Milwaukee, Wis.

Brush Runabout Co., West Detroit, Mich.

Buckeye Mfg. Co. (Touring Cars, Trucks, etc.), Anderson, Ind.

Buffalo Auto Truck & Motor Co., Buffalo, N. Y.

Buffum, H. H. Co., Abington, Mass.

Buggy Car Co. (Motor Buggies), Cincinnati, O.

Buick Motor Co. (Runabouts, Touring), Flint, Mich.

†Byrider Electric Auto Co. (Pleasure Vehicles), 1952 E 55th, Cleveland, O.

C. V. I. Motor Car Co., Jackson, Mich.

Cadillac Motor Car Co. ("Cadillac" Runabouts, Touring Cars, Delivery Wagons, etc.), Detroit, Mich.

Cameron Car Co. ("Cameron" Light Touring), Beverly, Mass.

Carter Car Co. (Pleasure Cars), Pontiac, Mich.

*Centaur Motor Co., Buffalo, N. Y.

Chadwick Engineering Works (Pleasure Cars), Pottstown, Pa.

Chalfant Motor Car Co. (Touring), Lenover, Pa.

Chalmers-Detroit Motor Co., Detroit, Mich.

†Champion Wagon Co. ("Champion" Com. Vehicles), Owego, N. Y.

Chase Motor Truck Co. (Commercial Truck), Syracuse, N. Y.

Chester Engineering & Machine Co., Chester, Pa.

Chicago Coach & Carriage Co. ("Duer" Runabout), 1223 Michigan av, Chicago, Ill.

Chief Mfg. Co. (Pleasure Cars), Buffalo, N. Y.

*Clark, Edw. S. (Carriages, Delivery Wagons, etc.), 272 Freeport, Dor, Boston, Mass.

Clemick-Hirsch Co., 592 National av, Milwaukee, Wis.

Cleveland Auto Cab Co. (Taximeter Cabs), Geneva, O.

Cleveland Motor Car Co. (Touring Cars), 1659 B'way, New York

Coates-Goshen Automobile Co. (Pleasure Cars), Goshen, N. Y.

Cole Carriage Co. (Passenger), Indianapolis, Ind.

Columbia Electric Co., Knightstown, Ind.

*Columbia Engineering Works ("Herschman" Commercial Cars), Brooklyn, N. Y.

*†Columbus Buggy Co. (Gasoline & Electric), Columbus, O.

Commercial Automobile Co., Chicago, Ill.

Commercial Motor Car Co. (Gasoline Trucks), Times bldg, New York

Commercial Motor Truck Co., Plymouth, O.

Continental Automobile Mfg. Co. (Touring), New Haven, Conn.

Coppock Motor Car Co. (Commercial Trucks), Decatur, Ind.

Corbin Motor Vehicle Corporation (Corbin Air-Cooled Touring Cars & Heavy Trucks), New Britain, Conn.

Cornish-Friedberg Motor Car Co. (Touring & Roadsters), 1223 Michigan av, Chicago, Ill.

†Couple-Gear Freight Wheel Co., Grand Rapids, Mich.

Crane & Whitman Co., Bayonne, N. J.

Crawford Automobile Co. ("Crawford" Cars), Hagerstown, Md.

Crescent Automobile Co., Jersey City, N. J.

Curtis Motor Truck Co. (Motor Trucks), Decatur, Ill.

Daimler Mfg. Co. ("American Mercedes" Touring Cars, Commercial Wagons, etc.), 939 Steinway av, Long Island City, N. Y.

Dayton Motor Car Co. ("Stoddard-Dayton"), Dayton, O.

Delaware Machine Works ("Harrismobiles"), Wilmington, Del.

De Luxe Motor Car Co. ("De Luxe"), Detroit, Mich.

Detroit Auto Co., Detroit, Mich.

Diamond T Motor Car Co. (Touring), 3 Huron, Chicago, Ill.

Dorris Motor Car Co. (Touring Cars), 22 S Sarah, St. Louis, Mo.

Duro Car Mfg. Co. (Pleasure Cars), Los Angeles, Cal.

Duryea, Charles E., Reading, Pa.

Earl Motor Car Co. (Touring), Kenosha, Wis.

Easton Machine Co. (Pleasure Cars), South Easton, Mass.

Economy Motor Buggy Co., Fort Wayne, Ind.

*†Electric Vehicle Co. ("Columbia" Carriages, Delivery Wagons, Trucks, etc., Electric & Gasoline), Hartford, Conn.

Elkhart Motor Car Co. (Pleasure Cars), Elkhart, Ind.

Elmore Mfg. Co. ("Elmore" Pathfinder Touring Cars, 2 Cycle), Clyde, O.

†Elwell-Parker Electric Co. (Freight & Passenger), 4225 St. Clair av, Cleveland, O.

Eureka Motor Buggy Co., Beavertown, Pa.

Eureka Motor Buggy Mfg. Co., St. Louis, Mo.

Fairmount Engineering Works, 2652 Callowhill, Philadelphia, Pa.

Evansville Automobile Co. ("Simplicity" Gearless Cars), Evansville, Ind.

Everitt-Metzger Flanders Co. (Pleasure Vehicles), Detroit, Mich.

Fairmont Engineering Works, 2652 Callowhill, Phila., Pa.

Famous Mfg. Co. ("Champion" Roadsters), E Chicago, Ind.

Fee-Bock Auto Co. (Touring), Detroit, Mich.

†Flandrau & Co., 406 Broome, New York

Ford Motor Co. (4 cylinder Touring Cars, Runabouts, Racing Cars, etc.), Detroit, Mich.

Jewel Motor Car Co. ("Jewel" Touring Cars), Massillon, O.

Fort Pitt Motor Mfg. Co. (Pleasure Cars), New Kensington, Pa.

Four Traction Auto Co., Mankato, Minn.

Franklin, H. H. Mfg. Co. ("Franklin" Runabouts, Touring Cars, etc.), Syracuse, N. Y.

†Fritchle Automobile & Battery Co. (Pleasure Cars), Denver, Colo.

Gary Taxicab Co. (Taxicabs), 1256 Michigan av, Chicago, Ill.

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Gaeth Automobile Co. ("Gaeth" Touring Cars, etc.), 902 Pearl, Cleveland, O.
Garford Motor Car Co., 1540 B'way, New York, & Cleveland, O.
Gas Engine & Power Co. & Chas. L. Seabury & Co. (4-cylinder "Speedway" Cars), Morris Heights, New York
Gearless Motor Car Co. (Pleasure Vehicles), Rochester, N. Y.
General Vehicle Co. (Victorias, Landaulets, Roadsters, Runabouts, Commercial Wagons & Trucks), Long Island City, N. Y.
Gifford-Pettit Mfg. Co. (Commercial Trucks), 1217 Devon, Chicago, Ill.
Grabowsky Power Wagon Co., Detroit, Mich.
Gramm-Logan Motor Car Co. (Commercial Cars), Bowling Green, O.
Grout Bros. Automobile Co. Touring Cars), Orange, Mass.
*Halsey, Jas. T. Motor Truck Co. (Steam & Gasoline Trucks), 336 N York av, Phila., Pa.
Hammer Motor Co. ("Hammer" 4-cylinder Touring Cars), Detroit, Mich.
Harrell Buggy Co. (Commercial Cars), South Boston, Va.
Hartford Suspension Co. ("Gobron-Brille"), 214 W 88th, New York
Hart-Kraft Motor Co. (Commercial Power Wagons), York, Pa.
Haydock, D. W. Auto Mfg. Co., 1930 Chestnut, St. Louis, Mo.
Haynes Automobile Co. (Touring Cars), Kokomo, Ind.
Hewitt Motor Co. (Touring & Commercial Cars), 6 E 31st, New York
Holsman Automobile Co. ("Holsman" Pleasure Vehicles & Commercial Wagons), Monadnock bldg, Chicago, Ill.
Homer Auto Truck Co., Homer, Mich.
Hupp Motor Car Co. (Pleasure Vehicles), Detroit, Mich.
International Automobile Co. (Motor Vehicles), 1243 Wabash av, Chicago, Ill.
International Harvester Co. ("Farmers"), 7 Monroe, Chicago, Ill.
Inter-State Automobile Co. (Pleasure Cars), Muncie, Ind.
Iowa Motor Car Co., Kellogg, Iowa.
Iroquois Motor Vehicle Co. ("Iroquois" Touring Cars), Seneca Falls, N. Y.
Jackson Automobile Co. (Touring Cars & Runabouts), Jackson, Mich.
Jeannin Automobile & Mfg. Co., St. Louis, Mo.
Jeffrey, Thos. B. & Co. ("Rambler" Runabouts, Surreys, Touring Cars, etc.), Kenosha, Wis.
*Johnson Service Co. (Commercial Wagons), Milwaukee, Wis.
Kansas City Motor Car Co. (Commercial Auto Trucks), Kansas City, Mo.
Karbach Auto & Vehicle Co., Omaha, Neb.
Kearns Motor Buggy Co., Beavertown, Pa.
Kirk Bros. Automobile Co. ("Yale"), Toledo, O.
Kissel Motor Car Co. (Pleasure Cars), Hartford, Wis.
Klink Motor Car Mfg. Co. (Pleasure Vehicles), Dansville, N. Y.
Knight & Kilbourne ("Silent Knight" Touring Car), 1240 Michigan av, Chicago, Ill.
Knox Automobile Co. ("Knox" Waterless Runabouts, Touring Cars, etc.), Springfield, Mass.
Kunz, J. L. Machinery Co. ("Kuns" Air Cooled Cars), 484 Market, Milwaukee, Wis.
Krueger Mfg. Co. ("Eclipse" Touring Cars, Delivery Wagons, etc.), Milwaukee, Wis.
*Lane Motor Vehicle Co. (Touring Cars), Poughkeepsie, N. Y.
†Lansden Co. (Comm'l Wagons), Newark, N. J.
Lauth-Juergens Motor Car Co., 94 Rawson, Chicago, Ill.
Lear, Oscar Automobile Co. ("Frayer-Miller" Touring Cars, Commercial Vehicles, etc.), Springfield, O.
Lindsley, J. V. & Co. (Pleasure Cars), Dowagiac, Mich.
*†Locomobile Company of America (Gasoline Touring Cars), Bridgeport, Conn.
*†Logan Construction Co. (Touring Cars, Trucks, etc., Electric & Gasoline), Chillicothe, O.
Lozier Motor Co. ("Lozier" Motor Cars, etc.), 55th & B'way, New York
Loomis Auto Car Co., Westfield, Mass.
Luverne Auto Co. (Pleasure Cars), Luverne, Minn.
McCue Co. (Pleasure Vehicles), Hartford, Conn.
McIntyre, W. H. Co. (Pleasure Vehicles), Auburn, Ind.
Mack Bros. Motor Car Co. ("Manhattan" Trucks, Delivery Wagons, Railroad Cars, etc.), Allentown, Pa., & Brooklyn, N. Y.
Mahoning Motor Car Co., Youngstown, O.
Marion Motor Car Co. ("Marion" Air Cooled Cars), Indianapolis, Ind.
Mason Motor Car Co. ("Mason"), 200 E 5th, Des Moines, Ia.
Matheson Motor Car Co. (Ltd.) (Touring Cars & Commercial Vehicles), Wilkes-Barre, Pa.
Maxwell-Briscoe Motor Co. (Touring Cars & Commercial Vehicles), Tarrytown, N. Y.
Meiselbach Motor Wagon Co., North Milwaukee, Wis.
Merkel Motor Co. ("Merkel"), Milwaukee, Wis.
Meteor Automobile Works ("Meteor" Touring), Bettendorf, Ia.
Meteor Motor Car Co. (Pleasure Vehicles), Davenport, Iowa
Michigan Automobile Co. (Ltd.) (Light Touring Cars), Kalamazoo, Mich.
Middleby Auto Co. (Pleasure Cars), Reading, Pa.
Midland Motor Car Co. (Pleasure Cars), Moline, Ill.
Miller Motor Car Co. ("Miller"), Bridgeport, Conn.
Milwaukee Auto Engine & Supply Co., 706 Winnebago, Milwaukee, Wis.
Mississippi Valley Automobile Co., 3935 Olive, St. Louis, Mo.
Mitchell Motor Car Co. (Touring Cars & Runabouts), Racine, Wis.
Model Automobile Co. (Touring), Peru, Ind.
Model Gas Engine Works ("Model" Touring Cars), Peru, Ind.
Moline Automobile Co. ("Moline"), East Moline, Ill.
Monarch Motor Car Co. ("Monarch"), Chicago Heights, Ill.
Monitor Automobile Works (Commercial Cars), 1598 Halsted, Chicago, Ill.
Moon Motor Car Co. ("Moon" Touring Cars), 4402 Main, St. Louis, Mo.
Mora Motor Car Co. (Touring, etc.), Newark, N. Y.
Mors Automobile Co., 583 Park av, New York
Motor Buggy Mfg. Co., Minneapolis, Minn.
Nadig, Chas. H. Mfg. Co. (Gasoline), Allentown, Pa.
Napier Motor Co. of America, Jamaica Plain, Mass.
*†National Motor Vehicle Co. ("The New National" Runabouts, Touring Cars, etc., Electric & Gasoline), Indianapolis, Ind.
National Sewing Machine Co., Belvidere, Ill.
Nielson Motor Car Co. (Runabout), Detroit, Mich.
Nordyke & Marmon Co. ("Marmon" Touring Cars), Indianapolis, Ind.
Northern Motor Car Co., 1090 Champlain, Detroit, Mich.
Oakland Motor Car Co. (Touring Cars, Runabouts, etc.), Pontiac, Mich.
Olds Motor Works (Runabouts, Touring Cars, Delivery Wagons, etc.), Lansing, Mich.
Omar Motor Co. (Juvenile Cars), Newark, N. J.
Overbolt Co. (Pleasure Cars), Galesburg, Ill.
Overland Auto Co. (Pleasure Cars), Indianapolis, Ind.
Owosso Carriage Co., Owosso, Mich.
Packard Motor Car Co., Detroit, Mich.
Page Fence Gas Engine Co. ("Page-Adrian" Air Cooled), Adrian, Mich.
Palmer & Singer Mfg. Co. (Pleasure Vehicles), 1620 B'way, New York
Peerless Motor Car Co. ("Peerless" Touring Cars), Cleveland, O.
Pennsylvania Auto-Motor Co. (Touring), Bryn Mawr, Pa.
Petrel Motor Car Co. (Pleasure Vehicles), Kenosha, Wis.
Phoenix Automobile Works (Commercial Cars), Phoenixville, Pa.
Pickard Bros. (Touring Cars & Roadsters), Brockton, Mass.
Pierce Arrow Motor Co. ("Arrow" Motor Cars, etc.), 18 Hanover, Buffalo, N. Y.
Pierce Engine Co. ("Pierce-Racine" Runabouts & Touring Cars), Racine, Wis.
Piggins Bros. (Pleasure Cars), Racine, Wis.
*Pittsburg Machine Tool Co. (Commercial Only), 61 Darrah, Allegheny, Pa.
Pope Mfg. Co. ("Pope-Hartford" Touring Cars), Hartford, Conn.
Pope Mfg. Co. ("Pope-Tribune" Cars), Hagerstown, Md.
Pope Motor Car Co. ("Pope-Waverly"), Indianapolis, Ind.
*†Pope Motor Car Co. ("Pope-Toledo" Gasoline & Electric), Toledo, O.
Premier Motor Mfg. Co. (Pleasure & Commercial Vehicles), Indianapolis, Ind.
Pullman Motor Car Co., Chicago, Ill.
Pullman Motor Vehicle Co. (Runabouts, Touring), Monon bldg., Chicago, Ill.
Pungs-Finch Auto & Gas Engine Co. (4-cylinder Touring Cars), Detroit, Mich.
Rainier Motor Car Co., B'way & 50th, New York
Randall, J. V. & Co. ("Randall" 3 Wheeler), Newtown, Pa.
Rapid Motor Vehicle Co. (Commercial Power Wagons), Pontiac, Mich.
†Rauch & Lang Carriage Co. (Coupes, Stanhopes, Landaulets), Cleveland, O.
Regal Motor Car Co. (Pleasure Vehicles), Detroit, Mich.
Reliable Dayton Motor Car Co. ("Reliable Dayton"), Chicago, Ill.
Reliance Motor Truck Co., Detroit, Mich.
Renault Freres Selling Branch, 1776 B'way, New York
Reo Motor Car Co. (Pleasure Vehicles), Lansing, Mich.
Rockford Automobile & Engine Co., Rockford, Ill.
Ricketts Automobile Works (Pleasure Cars), South Bend, Ind.
Rider-Lewis Motor Car Co. (Pleasure Vehicles), Muncie, Ind.
*Ross, Louis S., Newtonville, Mass.
Royal Tourist Car Co. (Pleasure Vehicles), Cleveland, O.
St. Louis Car Co. (Pleasure Cars), 5200 N 2d, St. Louis, Mo.
Schacht Mfg. Co. (Pleasure Cars), Cincinnati, Ohio
Schnader, Milton H. ("Riviera"), Reading, Pa.
Seagrave Co., Columbus, O.
Selden Motor Vehicle Co. (Runabouts, Touring), Rochester, N. Y.
Sharp, Wm. H. (Racing Cars), Trenton, N. J.
Shawmut Motor Co ("Shawmut" Touring Cars), Stoneham, Mass.
Sheffield Car Co. (Gasoline Trucks, Drays & Delivery Wagons), Three Rivers, Mich.
Simplex Motor Car Co. (Touring Cars), Mishawaka, Ind.
Sinclair-Scott Co. ("Maryland"), Baltimore, Md.
Smith Auto Co. ("Smith" Touring), Topeka, Kans.
Sommer Motor Co., Detroit, Mich.
Special Motor Vehicle Co., 223 E 4th, Cincinnati, O.
Speedwell Motor Car Co. (Touring), Dayton, O.
Standard Motor Construction Co. (Touring Cars, etc.), 180 Whiton, Jersey City, N. J.
Stanley Automobile Mfg. Co., Mooreland, Ind.
*Stanley Motor Carriage Co., Newton, Mass.
Staver Carriage Co. (Runabout), W 76th & Wallace, Chicago, Ill.
Stearns, F. B. Co. (Touring Cars, etc.), 2963 Euclid av, Cleveland, O.
Stevens-Duryea Co. (Runabouts, Touring Cars, etc.), Chicopee Falls, Mass.
Stilson Motor Car Co. (Touring), Pittsfield, Mass.
Streator Motor Car Co. ("Halladay"), Streator, Ill.
*†Studebaker Automobile Co. (Gasoline & Electric), South Bend, Ind.
*†Sturtevant Mill Co. ("Sturtevant" Touring Cars, Electric & Gasoline), Clayton c Park av, Dor., Boston, Mass.
Success Auto-Buggy Mfg. Co. (Air Cooled Gasoline Buggies), 530 De Ballivere av, St. Louis, Mo.
Sultan Motor Co., 249 W 64th, New York
Summit Carriage-Mobile Co. (Runabouts, Surreys & Farmer Mobiles), Waterloo, Iowa
Thomas, E. R. Motor Co. (Touring Cars, Runabouts, Tourabouts, Limousine, Landaulets & Town Cars), Buffalo, N. Y.
Thomas Wagon Co., Lititz, Pa.
Tincher Motor Car Co. ("Tincher" Cars), South Bend, Ind.
Torbensen Motor Car Co., Bloomfield, N. J.
Trebert Gas Engine Co., Rochester, N. Y.
Troy Buggy Works Co. ("Stanley"), Troy, O.
Union Carriage Co., Branch & Hall, St. Louis, Mo.
U. S. Motor Car Co., Upper Sandusky, O.
Van Wambeke, H. F. & Sons (Motor Wagons), Elgin, Ill.
Velie Motor Vehicle Co. (Pleasure Vehicles), Moline, Ill.
Victor Automobile Mfg. Co., St. Louis, Mo.
Walter Automobile Co. (Touring Car, etc.), 49 W 66th, New York
Waltham Mfg. Co. ("Orient" Touring Cars & Runabouts), Waltham, Mass.
†Waverly Co. (Pleasure Vehicles), Indianapolis, Ind.
Wayne Automobile Co. (Touring Cars, 2 & 4 cylinders), Detroit, Mich.
Wayne Works ("Richmond" Air Cooled Cars), Richmond, Ind.
Welch Motor Car Co., Pontiac, Mich.
Western Tool Works ("Gale" Runabouts), Galesburg, Ill.
*White Co. (Steam), Rose bldg, Cleveland, O.

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Wilcox, H. E. Motor Car Co. ("Wolfe" Air Cooled), Minneapolis, Minn.
Winton Motor Carriage Co. (Pleasure Cars), Berea rd, Cleveland, O.
*†Woods Motor Vehicle Co. (Electric & Gasoline), 2510 Cottage Grove av, Chicago, Ill.
York Motor Car Co. ("Pullman" Gasoline), York, Pa.
Zimmer, Philip G. (Railway Motor Cars), Hammondsport, N. Y.
Zimmerman Mfg. Co. (Pleasure Cars), Auburn, Ind.

Automobile or Motor Car Trade Names

(Each name is followed by the title (in some cases in an abbreviated form) of the firm making or handling car. The full name, address and variety of product of each firm may be found at a glance by consulting the preceding list of Automobile Builders.)

"A-K"—Allen-Kingston Motor Car Co.
"ACME"—Acme M. C. Co.
"ADAMS-FARWELL—Adams Co.
"AEROCAR"—Aerocar Motor Co.
"ALBANY"—Albany Automobile Co.
"ALCO"—American Locomotive Co.
"AMERICAN MERCEDES"—Daimler Mfg. Co.
"AMERICAN"—American M. Car Co.
"AMERICAN MARS"—St. Louis Car Co.
"AMERICAN SIMPLEX"—Simplex Motor Car Co.
"ANDERSON"—Anderson Carriage Mfg. Co.
"APPERSON"—Apperson Bros. Auto. Co.
"ATLAS"—Atlas Motor Car Co.
"AUBURN"—Auburn Automobile Co.
"AUSTIN"—Austin Automobile Co.
"AUTOCAR"—Autocar Co.
"AUTOCARRIAGE"—Johnson Service Co.
"BAILEY" (Electric)—Bailey, S. B. & Co.
"BAY STATE FORTY"—Bay State A. Co.
"BENDIX"—Bendix Co.
"BENNER"—Benner Motor Car Co.
"BLOMSTROM"—Blomstrom Mfg. Co.
"BLUE STREAK"—Logan Construction Co.
"BOSS"—Boss, K. M. Works
"BROWNIEKAR"—Omar Motor Ca.
"BRUSH"—Brush Runabout Co.
"BUGGYCAR"—Buggycar Co.
"BUICK"—Buick M. C. Co.
"BYRIDER"—Byrider Electric Auto Co.
"C-F"—Cornish-Friedberg Motor Car Co.
"CADILLAC"—Cadillac Motor Car Co.
"CAMERON"—Cameron Car Co.
"CARTERCAR"—Cartercar Co.
"CHADWICK"—Chadwick Engineering Works
"CHALMERS-DETROIT" — Chalmers-Detroit M. Co.
"CHAMPION"—Champion Wagon Co.
"CHAMPION"—Famous Mfg. Co.
"CHICAGO"—Black Mfg. Co.
"CLEVELAND"—Cleveland M. C. Co.
"COATES-GOSHEN"—Coates-Goshen Auto Co.
"COLUMBIA"—Electric Vehicle Co.
"COMMERCE TRUCKS"—American Machine Mfg. Co.
"CONTINENTAL" — Continental Automobile Mfg. Co.
"CORBIN"—Corbin M. V. Corporation
"COSMOPOLITAN"—Haydock, D. W. Auto Mfg. Co.
"CRAWFORD"—Crawford Automobile Co.
"CREST"—Clark, E. S.
"DEERE"—Deere-Clark Motor Car Co.
"DE LUXE"—De Luxe Motor Car Co.
"DETROIT ELECTRIC"—Anderson Carriage Co.
"DORRIS"—Dorris Motor Car Co.
"DUER"—Chicago Coach & Carriage Co.
"DURYEA"—Duryea Power Co.
"E. M. F."—Everitt-Metzger-Flanders Co.
"EARL"—Earl M. C. Co.
"ECLIPSE"—Krueger Mfg. Co.
"ELMORE"—Elmore Mfg. Co.
"EUREKA"—Kearns Motor Buggy Co.
"EWING"—Cleveland Auto Cab Co.
"FARMERS"—International Harvester Co. of America
"FEDERAL"—Rockford Auto & Engine Co.
"FLYING CHIEFTAIN"—Seagrave Co.
"FORD"—Ford Motor Co.
"FRANKLIN"—Franklin, H. H. Mfg. Co.
"FRAYER-MILLER"—Lear, O. S. L. Auto Co.
"FRITCHLE"—Fritchle Automobile & Battery
"FRONTENAC"—Abendroth & Root Co. Co.
"FULLER"—Angus Auto Ca.
"GAETH"—Gaeth Automobile Co.
"GALE"—Western Tool Works
"GARY"—Gary Taxicab Co.
"GEARLESS"—Gearless Motor Car Co.
"GLIDE"—Bartholomew Co.
"GRABOWSKY"—Grabowsky Power Wagon Co.
"GRAMM-LOGAN"—Gramm-Logan M. C. Co.
"GROUT"—Grout Bros. Automobile Co.
"GYROSCOPE"—Blomstrom Mfg. Co.
"HALLADAY"—Streator Motor Car Co.
"HART-KRAFT"—Hart-Kraft Motor Co.
"HAYDOCK"—Haydock, D. W. Motor Car Mfg.. Co.
"HAYNES"—Haynes Automobile Co.
"HERSCHMAN"—Columbia Eng. Works
"HEWITT"—Hewitt Motor Co.
"HOLSMAN"—Holsman Automobile Co.
"HUPMOBILE"—Hupp Motor Car Co.
"INTERNATIONAL"—International Automobile Co.
"INTER-STATE"—Inter-State Auto Co.
"IROQUOIS"—Iroquois M. V. Co.
"ITALA" (Italy)—Itala Importing Co.
"JACKSON"—Jackson Automobile Co.
"JEWEL"—Forest City M. C. Co.
"JOHNSON"—Johnson Service Co.
"JUVENILE"—American M. W. & A. Co.
"KANSAS CITY CAR"—Kansas City Motor Car Co.
"KATO"—Four Traction Auto Co.
"KISSELKAR"—Kissel M. C. Co.
"KNOX"—Knox Automobile Co.
"KUNZ"—Kunz, J. L. M. Co.
"LAMBERT"—Buckeye Mfg. Co.
"LANE"—Lane M. V. Co.
"LANSDEN"—Lansden Co.
"LEADER"—Columbia Electric Co.
"LINDSLEY"—Lindsley, J. V. & Co. Dowagine, Mich.
"LOCOMOBILE"—Locomobile Co. of Am.
"LOGAN"—Logan Construction Co.
"LOZIER"—Lozier M. Co.
"McCUE"—McCue Co.
"MANHATTAN"—Mack Bros. Co.
"MARION"—Marion M. C. Co.
"MARMON"—Nordyke & Marmon Co.
"MARYLAND"—Sinclair-Scott Co.
"MASON"—Mason Motor Car Co.
"MATHESON"—Matheson M. C. Co.
"MAXWELL"—Maxwell-Briscoe M. Co.
"MERKEL"—Merkel Motor Co.
"METEOR"—Meteor Motor Car Co.
"MICHIGAN"—Michigan A. Co.
"MIDDLEBY"—Middleby Auto Co.
"MIDLAND"—Midland Motor Car Co.
"MILLER"—Miller Motor Car. Co.
"MITCHELL"—Mitchell M. C. Co.
"MODEL"—Model G. E. Works
"MOLINE"—Moline Automobile Co.
"MONARCH"—Monarch Motor Car Co.
"MONITOR"—Monitor Automobile Works
"MOON"—Moon Motor Car Co.
"MORA"—Mora Motor Car Co.
"MORS" (France)—Mors Auto Co.
"MORSE"—Easton Machine Co.
"NATIONAL"—National M. V. Co.
"NORTHERN"—Northern M. Co.
"OLDSMOBILE"—Olds Motor Works
"OAKLAND"—Oakland Motor Car Co.
"OLYMPIC"—Gearless Motor Car Co.
"OVERLAND"—Overland A. Co.
"PALMER-SINGER"—Palmer & Singer Mfg. Co.
"PEERLESS"—Peerless M. C. Co.
"PENNSYLVANIA"—Pennsylvania Auto Motor Co.
"PETREL"—Petrel Motor Car Co.
"PHOENIX"—Phoenix Automobile Works
"PIERCE ARROW"—Pierce Arrow Motor Co.
"PIERCE RACINE"—Pierce Eng. Co.
"PIGGINS"—Piggins Bros.
"PITTSBURG SIX"—Fort Pitt M. Mfg. Co.
"POPE-HARTFORD"—Pope Mfg. Co. (Conn.)
"POPE-TOLEDO"—Pope M. C. Co. (O.)
"POPE-TRIBUNE"—Pope Mfg. Co. (Md.)
"PREMIER"—Premier M. Mfg. Co.
"PULLMAN"—York Motor Car Co.
"PUNGS-FINCH"—Pungs-Finch A. & G. E. Co.
"R & L"—Rauch & Lang Carriage Co.
"RAINIER"—Rainier Co.
"RAMBLER"—Jeffrey, T. B. & Co.
"RANDALL"—Randall, J. V. & Co.
"RAPID"—Rapid M. V. Co.
"RAUCH & LANG"—Rauch & Lang Carriage Co.
"REGAL"—Regal Motor Car Co.
"RELIABLE DAYTON"—Reliable Dayton M. C. Co.
"RELIANCE"—Reliance M. V. So.
"REO"—Reo M. C. Co.
"RICHMOND"—Wayne Works
"RICKETTS SIX"—Ricketts Automobile Wks.
"RIVIERA"—Schnader, M. H.
"ROCKWELL"—Bristol Engineering Corp.
"ROYAL TOURIST"—Royal Tourist Car Co.
"RUMBLE"—Earl Motor Car Co.
"SAURER"—Commercial M. Car Co.
"SCHACHT"—Schacht Mfg. Co.
"SELDEN"—Selden Motor Vehicle Co.
"SHARP ARROW"—Sharp, Wm. H.
"SILENT KNIGHT"—Knight & Kilbourne
"SIMPLICITY"—Evansville Automobile Co.
"SIX-TEEN-SIX"—Winton M. C. Co.
"SMITH"—Smith A. Co.
"SOMMER"—Sommer Motor Co.
"SPEEDWAY"—Gas Engine & P. Co., & C. L.
"SPEEDWELL"—Speedwell Motor Car Co.
"SPRINGFIELD"—Med-Bow A. Co.
"ST. LOUIS"—St. Louis M. C. Co. S. & Co.
"STANDARD"—Standard M. C. Co.
"STANLEY"—Stanley M. C. Co.
"STANLEY"—Troy Buggy Works Co.
"STEARNS"—Stearns, F. B. Co.
"STERLING"—Elkhart Motor Car Co.
"STEVENS-DURYEA"—Stevens-Duryea Co.
"STUDEBAKER"—Studebaker Automobile Co.
"STODDARD-DAYTON"—Dayton M. C. Co.
"STURTEVANT"—Sturtevant Mill Co.
"SUCCESS"—Success Auto Buggy Mfg. Co.
"SULTAN"—Sultan M. Co.
"THOMAS"—Thomas, E. R., Motor Co.
"TIGER"—Earl Motor Car Co.
"TINCHER"—Tincher Motor Car Co.
"TORBENSEN"—Torbensen Motor Car Co.
"TRIUMPH"—Christopher Bros.
"VELIE"—Velie Motor Vehicle Co.
"VICTOR"—Victor Motor Car Mfg. Co.
"WALTER"—Walter Auto Co.
"WALTHAM-ORIENT"—Waltham Mfg. Co.
"WATERLOO"—Cascaden-Vaughn Co.
"WAYNE"—Wayne Automobile Co.
"WELCH"—Welch M. C. Co.
"WHITE"—The White Co.
"WINTON—"Winton M. C. Co.
"WOLFE"—H. E. Wilcox M. Car Co.
"WOODS"—Woods M. V. Co.
"YALE"—Kirk Bros. A. Co.

*Automobile Electrical Equipment

WESTINGHOUSE ELEC. & MFG. CO., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Automobile Metal Tire Cases

MERCHANT & EVANS CO. (Inc.) ("Star"), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

*Automobile Parts (Hardened & Ground)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)

*Automobile Parts & Fittings

(See also the Special Article Required; also Automobile Supplies)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)

KEIM, JNO. R. MILLS (Inc.) (Seamless Cold Pressed Brake Drums, Flanges, Rear Axle Housings, Engine Crank Cases & Engine Pistons), Buffalo, N. Y. (See adv. index, end of book)

LUNKENHEIMER CO. (Lubricators & Fittings). General offices, Beekman & Waverly, Cincinnati, O. (See adv. index, end of book)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)

MEZGER, C. A. ("Soot Proof" Spark Plug), 203 W 80th, New York. (See adv. index, end of book)

SIMMONS, JNO. CO., 106 Centre, New York. (See adv. index, end of book)

VAN DORN & DUTTON CO., 79th, S. E. Cleveland, O. (See adv. index, end of book)

WORCESTER PRESSED STEEL CO. (Also Carriage Fittings), Worcester, Mass. (See adv. index, end of book)

Automobile Sheet Metal Forms

(See Automobile Stampings)

*Automobile Stampings

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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*Automobile Sub-Frames

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)

Automobile Supplies

This is a list of jobbing houses only. Manufacturers of parts and supplies will be found classified under the respective names of the articles they make.

American Distributing Co., American Trust bldg, Cleveland, O.
Ames & Wimmer Co., 29 Washington av, Detroit, Mich.
Angier Co., 735 Boylston, Boston, Mass.
Auto Accessories Mfg. Co., 265 Jefferson av, Detroit, Mich.
Auto-Car Equip't Co., 77 Edwards, Buffalo, N.Y.
Auto Equipping Co., 1918 Euclid av, Cleveland, Ohio
Auto Specialty Mfg. Co., Salem, Mass.
Auto Supply Co. (Inc.), 1733 B'way, New York
Autolight & Motor Supply Co., 506 N Broad, Phila., Pa.
Automobile Equipment Co., 200 Jefferson av., Chicago, Ill.
Automobile Equipment Co., Detroit, Mich.
Automobile Supply Co., 1339 Michigan av, Chicago, Ill.
Beckley-Ralston Co., 80 Michigan av, Chicago Ill.
Behen-Faught Motor Car Equipment Co., 3961 Olive, St. Louis, Mo.
Bi-Motor Equipment Co., 177 Portland, Boston, Mass.
Bliss Supply Co., 815 Long av, Cleveland, O.
Bogen, H. W., 66 Golden Gate av, San Francisco, Cal.
Boston Cycle & Sundry Co., 48 Hanover, Boston, Mass.
Broadway Auto Accessory Co., 53 W 63d, New
Buick, Thos. D. Co., Flint, Mich. York
Cox Brass Mfg. Co., Albany, N. Y.
Champion, Albert Co., 36 Whittier (Box.)
Dae Automobile Supply House (French), 1739 B'way, New York
Duquet, L. G., 107 W. 36th, New York
Equitable Distributing Co., 24 Columbus av, Boston, Mass.
Excelsior Auto Supply Co., 1436 Michigan av, Chicago, Ill.
Excelsior Supply Co., 233 Randolph, Chicago, Ill.
Franco-American Auto & Supply Co., 1404 Michigan av, Chicago, Ill.
Giannini, G. W., 437 W 42d, New York
Gordon Auto Supply Co., 1024 Boylston, Boston, Mass.
Greiss, Geo. H., 2144 N 2d, Phila., Pa.
Herz & Co., 208 Lafayette, New York
Jaynes Auto Supply Co., 806 Main, Buffalo, N. Y.
Johnson, Iver Sporting Goods Co., 163 Washington, Boston, Mass.
Kansas City Automobile Supply Co., 609 E 15th, Kansas City, Mo.
Kasner, A. H., 152 Church, New York
Kelsey Co., 43 Niagara, Buffalo, N. Y.
Leng's, J. S. Son & Co., 33 Murray, New York
London Auto Supply Co., 2542 Wabash av, Chicago, Ill.
Manhattan Storage Co., 1611 B'way, New York
Manufacturers' Supplies Co., 418 Arch, Phila.,
Miller, Chas. E., 97 Reade, New York **Pa.**
Motor Car Equipmt. Co., 55 Warren, New York
Motor Car Supply Co., 1425 Michigan av, Chicago, Ill.
Motor Parts Co., 25 W 42d, New York
Motorists' Supply Co., 330 Flatbush av, Brooklyn, N. Y.
Mutual Auto Accessories Co., 1937 B'way, New York
National Sales Corporation, 296 B'way, New York
Neustadt Auto & Supply Co., 3953 Olive, St. Louis, Mo.
New York & Brooklyn Automobile Supply Co., 1717 B'way, New York
New York Sporting Goods Co., 17 Warren, New York
Nock, Geo. W. Co., 126 N 4th, Phila., Pa.
O. K. Machine Works, 887 Main, Buffalo, N. Y.
Penn Auto Supply Co., 201 N Broad, Philadelphia Pa.
Phoenix Auto Supply Co. (Inc.), 3932 Olive, St. Louis, Mo.
Post & Lester Co., Hartford, Conn.
Progressive Cycle & Automobile Supply Co., 81 Chambers, New York
Rubay Auto Ignition & Supply Co. (French), 229 W 54th, New York
Shain, Chas. D., 70 Murray, New York
Sibley & Pitman, 26 Warren, New York
Stevens & Co., 99 Chambers, New York
Storage Battery Supply Co., 239 E 27th, New York
Strang Supply Co., 1912 B'way, New York
Strauss, Joseph & Son, 197 Genesee, Buffalo, N. Y.
Strauss, Matthew, 707 Main, Buffalo, N. Y.
Sussfeld, Lorsch & Co. (French), 37 Maiden la, New York
Thirty-Five-Per-Cent Automobile Supply Co., 83 Chambers, New York
Utility Co., 636 W 44th, New York
Waite Auto Supply Co., 17 Dorrance, Providence, R. I.
Walker, E. C. & Co., 1905 Logan, Louisville, Ky.
Willis, E. J. Co., 8 Park pl, New York
Winn, W. R., 148 Maiden la, New York

*Automobile Tank & Muffler Parts

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Automobile Tanks & Mufflers

(See also Mufflers, Automobile; also Tanks)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Automobiles (Commercial)

FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

Automotoneers

Electric Service Supplies Co. (For Street Railway Controller), 1024 Filbert, Phila., Pa.

Awls (Ice)

(See Picks, Ice)

Awls (Scratch, Belt, Etc.)

Arcade Mfg. Co. (Wood Handle & "Serpentine"), Freeport, Ill.
Bemis & Call Hardware & Tool Co., Springfield, Mass.
Billings & Spencer Co. (Belt Awls), Hartford, Conn.
Braunsdorf-Muller Co. (Brad & Marking), Elisabeth, N. J.
Browne & Down Mfg. Co. (Scratch), Meriden, Conn.
Buck Bros. Millbury, Mass.
Dame, Stoddard & Co. (Scratch, Belt, etc.), 370 Washington, Boston, Mass.
Ducharmes & Co., Shelburne Falls, Mass.
Eastham, Henry W., 150 Commercial, Lynn, Mass.
Holt, G. L. (Brad Awls Only), Hartford, Conn.
Jennings, C. E. & Co. (Marking), 42 Murray, New York; Works, Chester, Conn.
Johnson, Wm. (Hedenberg Works) (Belt, Scratch, etc.), Newark, N. J.
Kraeuter & Co., Newark, N. J.
Marlboro Awl & Needle Co., Marlboro, Mass.
Mayhew, H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., 28 Warren, New York
Mixter, J. W. Saw Tool Co., Plymouth, Mass.
New England Specialty Co. (Brad Awls), North Easton, Mass.
Peck, Stow & Wilcox Co., 27 Murray, New York
Phoenix Hardware Mfg. Co. (Scratch Only), Homer, N. Y.
Stanley Rule & Level Co. (Scratch, Belt, etc.), New Britain, Conn.
Stortz, Jno. & Co., 210 Vine, Phila., Pa.
Swan, James Co., Seymour, Conn.
Tuck Mfg. Co. (Marking, Brad, Scratch, Plain Belt, Eye Belt, Ice, etc.), Brockton, Mass.
United Awl & Needle Co., Boston, Mass.
Williams & Martin Mfg. Co. (Scratch), Deep River, Conn.

Awning Fixtures

Hartshorn-Stewart Co., Newark, N. J.
Roe, Justus & Sons ("Roe's" Roller), Patchogue, N. Y.

Awning Fixtures (Blind)

Parker Wire Goods Co., Worcester, Mass.
Wire Goods Co. ("North"), Worcester, Mass.

Awning Lines

(See Sash Cords)

Awning Stripes

(See Cotton Duck & Canvas)

Awnings (Corrugated Steel)

(See also Cornices, Galvanized Iron)

AMERICAN ROLLING MILL CO., Middletown, O. (See adv. index, end of book)
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
CANTON MFG. CO., Canton, O. (See adv. index, end of book)

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., 94 E 5th, Canton, O.
Gara, McGinley & Co., 23 S 17th, Philadelphia, Pa.
Harry, O. K. Steel Works, Dallas, Texas.
Mesher, Geo. L. & Co., Evansville, Ind.
Mesher & Bro., 421 S 6th, St. Louis, Mo.
MERRITT & CO., 1024 Ridge av, Phila., Pa. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Ornamental Iron & Wire Co., Portsmouth, Va.
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
SMITH, F. P. WIRE & IRON W'KS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Twichell Iron Co., Kansas City, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

*Awnings (Venetian)

WILSON, JAS. G. MFG. Co., Chief Office, 3 W 29th, New York. Mills & Factory: Norfolk, Va. (See adv. index, end of book)

Awnings & Tents

(See Tents, Railroad Contractors')

Axe Mfrs.

American Axe & Tool Co. (Chopping, Broad, Boys, Firemans, etc.), Glassport, Pa., & 253 B'way, New York
Bangor Edge Tool Co. (Peavy, Chopping, Stamp, Pole, Hunting, Last Block, Splitting, etc.), Bangor, Me.
Black, John B. ("Wm. Beatty & Sons" Butchers, Killing, Wood Chopping, Boys, Post, Broad, Ship Carpenters, etc.), Chester, Pa.
Bradley's, G. W. Sons (Inc.) (Hand Made, Dock Chopping, Ice, Post, Fire, Broad, etc.), Westport, Conn.
C. A. C. Axe Co., Holbrook, Mass.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn., & 212 Water, New York
Dunn Edge Tool Co., Oakland, Me.
Emerson-Stevens Mfg. Co., Oakland, Me.
Evansville Tool Works (Broad, Hunters', Boys', Post Hole, Firemen's, etc.), Evansville, Ind.
Findlay Axe & Tool Co., Findlay, O.
Hammond, C. & Son (Boys' & Hunters'),
Hibbard, Spencer, Bartlett & Co. ("O. V. B."), Chicago, Ill.
Kelley, B. & Co., Belfast, Me. Ogontz, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
King Axe Co., Oakland, Me.
McKinnon Rockaway Axe Co., Rockaway, N. J.
Mack & Co. ("D. R. Barton" Broad, Chopping, Fire, Ship, etc.), Rochester, N. Y.
Mann Edge Tool Co., Lewistown, Pa.
Mann, Jas. H. (Est. of), Lewistown, Pa.
Marble Safety Axe Co. (Pocket "Marble Safety"), Gladstone, Mich.
Munson Co., Grand Rapids, Mich.
National Tubular Axle Co., Emigsville, Pa.
North Wayne Tool Co. (Hand-made), Hallowell, Me.
Norton Tool Co. (Broad, House, Boys, etc.), West Park, O.
Peck Edge Tool Co. (Broad, Fire, etc.), Cohoes, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb, Fayette R., Tucker & P. R. R. Fkd, Phila., Pa.
Prouty, C. & Co. (Single & Double Bit), Eldred,
Rixford Mfg. Co., East Highgate, Vt. Pa.
Romer Axe Co., Dunkirk, N. Y.
Standard Axe & Tool Works (Hand Made), Ridgway, Pa.
Warren Axe & Tool Co., Warren, Pa.
Weston, Thos. B., 118 Centre Market Space, Baltimore, Md.
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Witham, G. S., Caratunk, Me.

Axes (Firemen's)

American Axe & Tool Co., Glassport, Pa.
Black, Jno. B. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Evansville Tool Co., Evansville, Ind.
Kelly Axe Mfg. Co., Charleston, W. Va.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.

Axes (Ice)

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York
Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Evansville Tool Works, Evansville, Ind.
Gerlach, Peter Co., Columbus rd & Winter, Cleveland, O.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hubbard & Co., 62d & Butler, Pittsburg, Pa.
Norton Tool Co., West Park, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Stortz, John & Son, 210 Vine, Phila., Pa.
United States Edge Tool Co., Cattaraugus, N. Y.
White, L. & I. J. Co., Buffalo, N. Y.

Axes (Stone Workers')

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Hammond, C. & Son, Ogontz, Pa.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hauck, Wm. J., 306 Southwest boul, Kansas
Hubbard & Co., Pittsburg, Pa. City, Mo.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.

Axle Cutter & Screw Plate (Combined)

Holroyd & Co. ("Dalton"), Waterford, N. Y.

*Axle Lighting Equipment ("Bliss System")

BLISS ELECTRIC CAR LIGHTING Co., Milwaukee, Wis. (See adv. index, end of book)

Axles (Automobile)

(See also Axles, Ball or Roller Bearing)

American Ball Bearing Co., Edgewater Park at L. S. & M. S. R'y, Cleveland, O.
Billings & Spencer Co., Hartford, Conn.
Carpenter Steel Co. (Nickel Chrome Steel),
Case Mfg. Co., Columbus, O. Reading, Pa.
City Machine & Mfg. Co., 9 Orchard, Detroit,
Cleveland Axle Mfg. Co., Canton, O. Mich.
Consolidated Mfg. Co., Fernwood av & L. S. & M. S. R'y, Toledo, O.
Cramp, Wm. & Sons Ship & Engine Casting Co., Beach & Ball, Phila., Pa.
Diamond Chain & Mfg. Co., 260 W Georgia, Indianapolis, Ind.
Elyria Machine Parts Co., Elyria, O.
Garford Co., Elyria, O.
Gill, P. H. & Sons Forge & Machine Works, Loraine & Otsego, Brooklyn, N. Y.
Hussey Drop Forge & Mfg. Co., Axtell c Osage, Cleveland, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Salisbury Wheel & Mfg. Co. (Wheels & Axles), Jamestown, N. Y.
Smith, A. O. Co., Clinton bet. Park & Va., Milwaukee, Wis.
Standard Roller Bearing Axle Co., N 48th av & Girard av, Philadelphia, Pa.
Timken Roller Bearing Axle Co., Canton, O.
VAN DORN & DUTTON CO., 2714 E 79th S E, Cleveland, O. (See adv. index, end of book)
Webster Mfg. Co., 1075 W 15th, Chicago, Ill.
Weston-Mott Co., Utica, N. Y.

Axles (Ball or Roller Bearing)

(See Wheels & Axles, Ball or Roller Bearing)

Axles (Car & Locomotive)

(See also Axles, Mine Car)

American Bridge Co., Pittsburg, Pa., & 30 Church, New York
American Car & Foundry Co. (Car, Locomotive & Mine Car), 915 Olive, St. Louis, Mo., & 165 B'way, New York
Baltimore Car-Wheel Co. (Car Only), Fulton Station, Baltimore, Md.
Bass Foundry & Machine Co. (Iron & Steel Car, Driving, etc.), Ft. Wayne, Ind.
Bethlehem Steel Co. (Nickel Steel, Car, Locomotive, etc.), South Bethlehem, Pa.
Block-Pollak Iron Co. (Car, Locomotive & Driving), Carthage, Cincinnati, O.
Boston Forge Co. (Tender, Truck & Driving), 340 Maverick, E. B., Boston, Mass.
Brill, J. G. Co. (Street Car), 62d & Woodland av, Phila., Pa.
Cambria Steel Co. (Also Mine Car Axles, all of Forged Open-Hearth Steel), Arcade bldg, Phila., Pa.
Carbon Steel Co. (Nickel Steel, Car, Locomotive, etc.), 32d & Smallman, Pittsburg, Pa.
Carnegie Steel Co. (Car, Locomotive, etc.), General Offices: Carnegie bldg, Pittsburg, Pa.
Cleveland City Forge & Iron Co. (Locomotive, Car, etc.), Lakeside av opp E 45th, N E Cleveland, O.
Cole Mfg. Co. (Locomotive & Street Car), Lakeport, N. H.
Georgia Foundry & Mach. Works (Street Car), Rome, Ga.
Gould Coupler Co. (Car & Locomotive), 345 5th av, New York
Griffin Wheel Co., 138 Jackson boul, Chicago, Ill.
Gustafson Mfg. Co. (Mine Car), Chattanooga, Tenn.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Liggett Spring & Axle Co., Monongahela, Pa.
Midvale Steel Co. (Nickel Steel, Locomotive, Tender, Truck & Car), Nicetown, Phila., Pa.
Otis Steel Co. (Locomotive, Car, etc.), Cleveland, O.
Penn Iron Co. (Hammered & Rolled), Lancaster, Pa.
Penna Steel Co., Girard bldg, Philadelphia. Pa.; Works: Steelton, Pa.
Pittsburg Forge & Iron Co. (Locomotive, Car, etc.), 1003 Penna av, Pittsburg, Pa.
Portland Co., Portland, Me.
Reading Iron Co. (Driving, etc.), Reading, Pa.
St. Louis Steam Forge & Iron Works (Locomotive, Car, etc.), East St. Louis, Ill.
Sizer Forge Co. (Locomotive, Car, etc.), Buffalo, N. Y.
Southern Steel Co., Birmingham, Ala.
Standard Forgings Co., Chicago, Ill.
Standard Steel Works (Car & Locomotive), Harrison bldg, Philadelphia, Pa.
Taylor Iron & Steel Co. (Car, Locomotive, etc.), High Bridge, N. J.
Titusville Forge Co., Titusville, Pa.
Tredegar Co. (Car), Richmond, Va.
Union Drawn Steel Co. ("Caronly"), Beaver Falls, Pa., & 460 Washington, New York
Western Steel Car & Foundry Co. (Freight Car Axles Only), Old Colony bldg, Chicago, Ill.
Willard Sons & Bell Co., 98th & Erie, Chicago, Ill.

Axles (Carriage & Wagon)

(See also Axles of Various Kinds)

American Axle Works, 1116 Montgomery av, Phila., Pa.
American Tubular Axle Co. (Tubular Steel Wagon Axles Only), Toledo, O.
Ansted Spring & Axle Co., Connersville, Ind.
Bailey, S. R. & Co., Amesbury, Mass.
Bettendorf Axle Co. (Wagon Only), Davenport,
Bloch Axle Co., Mobile, Ala. Iowa
Chicago Screw Co. (Ball Bearing), Chicago, Ill.
Cleveland Axle Mfg. Co. (Wagon), Canton, O.
Concord Axle Co. (& Wagon, also Brown's Roller Bearing Axles), Penacook, N. H.
Crucible Steel Company of America, Pittsburg, Pa.
Cook, Willis Miller, Mt. Carmel Centre, Conn.
Dalzell Axle Co. (& Wagon), South Egremont,
Drummond Mfg. Co., Louisville, Mass.
Durant-Dort Carriage Co., Flint, Mich.

When writing to firms whose names appear in this book please mention
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ELECTRIC WHEEL CO. (Wagon Axles Only), Quincy, Ill. (See adv. Index, end of book)
Gardner's, F. Sons, Carlisle, Pa.
Grant Axle & Wheel Co. (Roller Bearings), Springfield, O.
Hay, Houston Axle Co., Coshocton, O.
Hess Spring & Axle Co., Carthage, Cincinnati, O.
Higgins Spring & Axle Co., Racine, Wis.
Hutchinson, Jno. Mfg. Co. (Roller Bearing), Jackson, Mich.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Keagy & Lear Machine Co., Coshocton, O.
Keystone Axle Works, 33d & A. V. R'y, Pittsburg, Pa.
Lee & Porter ("Standard" Half Patent, "Concord" Express, "Collinge" Collar, "Porter" 2,500 Mile), Buchanan, Mich.
Lewis Spring & Axle Co., Jackson, Mich.
Liggett Spring & Axle Co., Monongahela, Pa.
Meeker Mfg. Co. (Ball Bearing), Dayton, O.
Mulholland Co. (Ball Bearing), Dunkirk, N. Y.
Nunning, Frank & Son, 215 W 2d, Cincinnati, Ohio
Parry Mfg. Co., Indianapolis, Ind.
Scranton Axle Works, Scranton, Pa.
Sheldon Axle Co. (Anchor Brand), Wilkes-Barre, Pa.
Spears Axle Co., Wheeling, W. Va.
Standard Roller Bearing Co., 48th & Girard av, Philadelphia, Pa.
Union Drop Forge Co., Chicago, Ill.
Weston-Mott Co., Flint, Mich.
Wilcox, D. Mfg. Co. (Bike, Wagon, etc.), Mechanicsburg, Pa.
Wood, Smith & Co., Chicago, Ill.
Wurster, F. W. & Co., 375 Kent av, Brooklyn, N. Y.

Axles (Children's Carriage)

HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Wagner, E. R. Mfg. Co., North Milwaukee, Wis.

Axles (Mine Car)

(See also Axles, Car & Locomotive; also Wheels, Mine Car)

Akron Foundry Co., Akron, O.
American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
Archer Iron Works Co. (Self-Oiling), 1st Nat'l Bank bldg, Chicago, Ill.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd, W E, Cleveland, O. (See adv. index, end of book)
Cleveland City Forge & Iron Co., Cleveland, O.
Gustafson Mfg. Co., Chattanooga, Tenn.
Irwin Foundry & Mine Car Co., Irwin, Pa.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Peacock's Iron Works, Selma, Ala.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Quincy, Manchester, Sargent Co., Plainfield, N. J.
Scott's Patent Brick Car Co., Knoxville, Tenn.
Sheffield Car Co., Three Rivers, Mich.
Vulcan Iron Works, Wilkes-Barre, Pa.
Watt Mining Car Wheel Co., Barnesville, O.
Willard Sons & Bell Co., 98th & Erie av, Chicago, Ill.

Axles (Roller Bearing)

(See Axles, Ball or Roller Bearing)

Axles (Street Car)

(See also Wheels, Street Car; also Trucks, Car, Steam & Electric)

American Car & Foundry Co., 915 Olive, St. Louis, Mo. & 165 B'way, New York
Baltimore Car Wheel Co., Baltimore, Md.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Brill, J. G. Co., 62nd & Woodland av, Phila., Pa.
Cambria Steel Co., Arcade Bldg, Phila., Pa.
Carbon Steel Co., Pittsburg, Pa.
Carnegie Steel Co., Pittsburg, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Curtis Motor Truck Co., Decatur, Ill.
Eccles & Smith Co., San Francisco, Cal.
Griffin Wheel Co., Sacramento av, & C & N W Ry, Chicago, Ill.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Pittsburg, Pa.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
McGuire-Cummings Mfg. Co. (Special Truck Bar Iron & Steel Locomotive Axles), 122 N Sangamon, Chicago, Ill.
Pennsylvania Steel Co., Girard Trust Bldg, Phila., Pa.
Pittsburg Forge & Iron Co. (Hammered), Pittsburg, Pa.
St. Louis Car Co., 8,000 N B'way, St. Louis, Mo.
Standard Forgings Co., Railway Exchange, Chicago, Ill.
Standard Steel Works, Harrison Bldg, Phila., Pa.
Taylor Electric Truck Co.
Union Drawn Steel Co. ("Glendon"), Beaver Falls, Pa.

Axles & Shafts (Hollow)

Bethlehem Steel Co., South Bethlehem, Pa.
American Tubular Axle Co. (Carriage & Wagon, etc.), Toledo, O.

Babbitt Metal

(See also Bearings of Various Kinds)

ALABAMA.

BIRMINGHAM—Ajax Metal Co. (of the South)

CALIFORNIA.

SAN FRANCISCO—Finn, Jno. Metal Works, 384 Second
Garratt, W. T. & Co., 140 Fremont
Great Western Smelting & Refining Co., 75 Pacific
Metal Works, 153 1st
Folsom
Selby Smelting & Lead Co., 416 Montgomery

COLORADO.

DENVER—Bogue Lead Co.
Peerless Alloy Co.
Slack, Ben F. Brass Mfg. Co.
TRINIDAD—Trinidad Foundry & Machine Works

CONNECTICUT.

BRIDGEPORT—Bridgeport Deoxidized Bronze
Rowell, W. G. Co.
Metal Co.
Sanford, David C. Co.
HARTFORD—Blake, Edwin J.
NEW HAVEN—Graham, Jas. & Co.

ILLINOIS.

AURORA—Aurora Metal Co. (Brand "R. R.")
CAIRO—Reed, Joseph B.
CHICAGO—Blatchford, E. W. Co., 70 N Clinton
CARPENTER, GEO. B. & CO., 202 S Water. (See adv. index, end of book)
Channon, H. Co. ("Quoke"), 32 Market
Great Western Smelting & Refining Co., 170 W Kinzie
Hewitt Mfg. Co., 308 Railway Ex.
Illinois Smelting & Refining Works, 122 N Peoria
Kramer, H. & Co. (In Pig), 353 S Canal
MERCHANT & EVANS CO. (Inc.), (of Philadelphia, Pa.), 113 N Sheldon. (See adv. index, end of book)
Monarch Metal Co., 156 S Lincoln
National Lead Co., (of New York), 1510 State
Palmeto Metal Co. ("Palmeto"), 386 W Lake
Raymond Lead Co. (Aluminum, Copper, etc.), 51 W Lake
Ryan, J. J. & Co., 105 S Jefferson
Ryerson, Jos. & Son ("Glyco," Bearing Metal & Skeleton Bearing Construction)
U. S. Reduction Co. ("Advance"), 56 Law av

INDIANA.

MISHAWAKA—Dodge Mfg. Co.

KENTUCKY.

LOUISVILLE—Belknap Hdw. & Mfg. Co.
Kentucky Saw Works
National Lead Co. (of New York), 101 9th

LOUISIANA.

NEW ORLEANS—Nelson, A. J. Mfg. Co. (Ltd.), 1001 Howard av
New Orleans Roofing & Metal Works, 920 Lafayette

MARYLAND.

BALTIMORE—Schultz, A. & Co. ("Eureka"), 1015 E Fayette
MERCHANT & EVANS CO. (Inc.) (of Phila., Pa.), 232 St. Paul. (See adv. index, end of book)

MASSACHUSETTS.

BOSTON—Blaney, Cyril C., 280 Devonshire
Chadwick-Boston Lead Co., 162 Congress
Herrick Co., 49 Broad
Mowry & Phillips, 212 Camden
National Lead Co. (of Mass.), 57 Broad
Priest, Page & Co., 143 Franklin
Star Refining Co., 50 State
FITCHBURG—Hardy, William A. & Sons Co.
Welch, E. J. & Co. ("S. S." Metal)
LOWELL—Nichols Foundry Co.
WORCESTER—Kindred & Taylor

MICHIGAN.

DETROIT—Bostwick, Jas. M. C., 372 Abbott
Muzzy-Lyon Co. ("Mogul"), 149 W Larned
National-Fulton Brass Mfg. Co., 22 Brush
National Lead Co. (of New York), 81 W Woodbridge
Wing, J. T. & Co., 19 Woodward av
GRAND RAPIDS — Hayden, J. M. & Co. ("Globe")
KALAMAZOO—New Era Mfg. Co. (White Bronze)

MINNESOTA.

MINNEAPOLIS—National Brass & Metal Co., ("Hodge's"), 258 3d av, S
ST. PAUL—Northwestern Shot & Lead Works, 90 W Fairfield av

MISSOURI.

KANSAS CITY—Kansas City Lead & Metal Works, 1407 Wyandotte
MERCHANT & EVANS CO. (Inc.) (Of Phila., Pa.), 2008 Baltimore av. (See adv. index, end of book)
Rogers Metal Works
ST. LOUIS—Gilbert, A. & Sons Brass Foundry Co. ("Jovian," "Velox"), 4015 Forest Park boul
Hiertz, Theo. Metal Co. ("Nonpariel"), 10th & Poepping
Hoyt Metal Co. ("Standard"), Merchants-Laclede bldg
More-Jones Brass & Metal Co. ("Hoo-Hoo," "Universal," "Motor," "Crescent," "Rex," "Regent"), 3144 N B'way
National Lead Co. 1001 Clark av
Rumsey, L. M. Mfg. Co., 806 N 2d
Street, J. D. Co. ("Majestic," "Horse Shoe," "Gem," "Giant"), 809 N 2d
Zelnicker, Walter A. Supply Co. ("Zelnicker")

NEW JERSEY.

BELLEVILLE—Eastwood Wire Mfg. Co., ("Perfection")
BLOOMFIELD—Hudson Rolling Mill Co. ("Signal" Nickel Hardened Deoxidized Babbitt)
GLEN RIDGE—Benson, H. K. & F. S. ("B. & M.")
HOBOKEN—Lehman Bros.
JERSEY CITY—Brady Brass Co. ("Cyprus")
Magnus Metal Co., Brunswick c 9th
Williams, E. A. & Son, 105 Plymouth
NEWARK—**WALSH'S SONS & CO.** (See adv. index, end of book)
PERTH AMBOY—Hoyt Metal Co. (of St. Louis, Mo.)
RIVERSIDE—Riverside Metal Co.

NEW YORK.

BUFFALO—**LUMEN BEARING CO.** ("Lotus," "Plumbic Bronse.") (See adv. index, end of book)
Robson Smelting Co., B'way & Lathrop
Runskool Metal Co. ("Runskool," "Flexor." "Real Good," "Pretty Good"), 1095 Niagara

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Lisberger, Marks & Son ("Zest"), 281 Borden av
MERCHANT & EVANS CO. (Inc.) (of Phila., Pa.), 584 Flushing av. (See adv. index, end of book)
Syracuse Smelting Works, 28 Dobbin

Boroughs of Manhattan & Bronx.

NEW YORK—Allan, A. & Son ("Allan's" Red Anti-Friction Metal), 486 Greenwich
American Metal Co., 52 B'way
American Metal Co., 52 B'way
Columbia Smelting & Refining Works, 365 West
Fahrig Metal Co. ("Fahrig"), 316 Hudson
Lissberger, Benjamin, 738 E 14th
Long & Stillman, 149 B'way
Lubricating Metal Co. ("Noheet"), 141 B'way
Magnolia Metal Co. ("Adamant," "Defender" & "Mystic"), 113 Bank
Magnus Metal Co., 111 B'way
MERCHANT & EVANS CO. (Inc.) (of Phila., Pa.), 242 Water. (See adv. index, end of book)
Morris, E. P. Co. ("Delos"), 72 Trinity pl.

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Nassau Smelting & Refining Works ("Edison" & "Monarch"), 603 W 29th
National Lead Co. ("Phoenix"), 100 William
Ohio Brass Co. (of Mansfield, O.), 30 Church
Pittsburg White Metal Co. (of Pittsburg, Pa.), 160 Leroy
Post, E. L. & Co. ("Post's Zero," Motor Metal), 50 Cliff
Syracuse Smelting Works (Manganese, Babbitt, etc.), 36 10th av
Wildes, Thomas ("Excelsior" & "Semper Idem", Linotype, Electrotype, Stereotype, Autoplate & other metals), 246 Water
(End of New York City)

ROCHESTER—Clum & Atkinson ("Plata" White Brass, "Superior," "Genuine," "Standard" & "Gas Engine")
Hazard, Coates & Bennett Co.
Rochester Lead Works, 380 Exchange
Wray, Henry & Son, 193 Mill
SYRACUSE—Empire Metal Co.

OHIO.

CINCINNATI—American Valve & Meter Co. ("Paragon"), 1121 Gest
Cincinnati Metal Co., 602 Walnut
McGowan, Jno. H. Co., 54 Central av
Morris, E. K. & Co., 315 W 2d
National Lead Co., (of New York), 7th & Freeman av
Van Dusen, E. W. Co. ("Buckeye"), 428 E
Wolff Metal Co., 1808 John 2d
CLEVELAND—Ideal Bronze Co., 1285 E 55th
Metal Sales Co. ("Renown"), Citizens bldg
National Lead Co., (of New York), Champlain, Junc. Canal
COLUMBUS—New Process Metal Co.
DAYTON—Buckeye Iron & Brass Works (High Grade)
Ebbers Bros., 916 E 3d
MANSFIELD—Ohio Brass Co.
TOLEDO—Toledo Saw Co.
YOUNGSTOWN—Falcon Bronze Co.

OREGON.

PORTLAND — Pacific Metal Works (of San Francisco, Cal.), 73 2d

PENNSYLVANIA.

ALLEGHENY—Damascus Bronze Co.
CHESTER—Crown Smelting Co.
ERIE—Erie White Metal Co.
NORTH EAST — Eureka Tempered Copper Works ("Eureka")
PHILADELPHIA—Ajax Metal Co., 48 Richm'd
Atlas Smelting & Refining Co., 1008 G'tn
Bond, Chas. Co., 518 Arch. av
Delaware Metal Refinery, 1036 S 18th
Fullerton, Frank S., 438 E Girard av
Goldstein's, L. Sons, 1038 N Front
Hagstoz, T. B. Co. (Ltd.), 709 Sansom
King, Jno. Smelting Works, 1330 S 18th
Lewis, Jno. T. & Bros. Co., 231 S Front
Lukens, Thos. F. Metal Co. ("Lukens," "Viking," "Queen Bee"), 238 N 4th
McHatton Smelting Co., 1500 Washington av
MERCHANT & EVANS CO. (Inc.) ("Universal," "Iridium"), 517 Arch. (See adv. index, end of book)
North American Smelting Co., 900 Thompson
Pearl Smelting & Refining Works, 2507 E Cumberland
Peerless Smelting & Refining Co. ("Rainbow" Linotype, Monotype, Stereotype, Electrotype & Other Metals), Allegheny av & Richmond
Penn Smelting & Refining Co., 906 Filbert
Phillips, F. R. & Sons Co. ("Zero" & "Motor"), Penna bldg
Reeves, Paul S. & Son, 1415 Catharine
Rosenthal's, Joseph Sons, 190 Berks
Star Smelting & Refining Co. 134 Washington av
Taylor, N. & G. Co., Mariner & Merchants bldg
U. S. Smelting Works, 1613 Spring Garden
White & Bro., 1505 E Montgomery av
Woodfall Bros., 1105 Fairmount av
PITTSBURG — Cadman, A. W. Mfg. Co. ("Acorn" & "Cadman's" Aluminium), 2814 Smallman
Keystone Bronze Co., 38th & A. V. Ry.
LAWRENCEVILLE BRONZE CO., Penn av & 31st. (See adv. index, end of book)
National Lead & Oil Co. (of Pa.), Second Nat'l B'k bldg
Pittsburg Brass Mfg. Co. ("Mansfield"), 3153 Penn av
PITTSBURGH GAGE & SUPPLY Co. ("Paramount," "Copper Alloy" & "Helmet"), 30th & Liberty av. (See adv. index, end of book)
Pittsburg White Metal Co., 3116 Penn av
WESTINGHOUSE ELECTRIC & Mfg. Co., Union Bank bldg. (See adv. index, end of book)
READING—Excelsior Brass Works

TENNESSEE.

CHATTANOOGA—Frictionless Metal Co.
MEMPHIS—Lee Bros.

VIRGINIA.

RICHMOND—Glacier Metal Co.

WASHINGTON.

SEATTLE—Finn, Jno. Metal Works
TACOMA—Puget Sound Metal Works

WEST VIRGINIA.

WHEELING—Wheeling Metal & Mfg. Co.

WISCONSIN.

MILWAUKEE—Milwaukee Tack Co. ("Misco")

Babbitt Metal Melters

(See Furnaces, Babbitt Melting)

Badges (Conductor, Police, Etc.)

Hanson, C. H., 44 Clark, Chicago, Ill.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Badges & Numbers

AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)
Blackington V. H. & Co., Attleboro, Mass.
Childs, S. D. & Co., 200 Clark, Chicago, Ill.
International Register Co. ("Heeren"), 124 W Jackson boul, Chicago, Ill.
Koch, Gustav & Co., 64 Dearborn, Chicago, Ill.
Meyers, Fred J. Mfg. Co., Hamilton, O.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Recording Fare Register Co., New Haven, Conn.
Robbins, Jno. Mfg. Co., Boston, Mass.
Stedman, J. H., Rochester, N. Y.
Tenney, J. F. Co., 152 Lake, Chicago, Ill.
Wilcox, W. W. & Co., 201 Lake, Chicago, Ill.
Woodman, R. Mfg. & Supply Co., Boston, Mass.

Baggage Checks

(See Checks, Baggage; also Checks & Check Blanks, Brass)

Bag Mfrs. (Paper)

Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper Bag Co., 6 Battery pl, New York
Milwaukee Bag Co. (For Cement, Lime, etc.), Milwaukee, Wis.
Taggart Bros. Co. (Cement, Flour, etc.), Watertown, N. Y.
Urschel-Bates Valve Bag Co. (For Cement, Lime, etc.), Toledo, O.
West Jersey Paper Mfg. Co. (For Cement, Lime, etc.), Camden, N. J.
Woodville White Lime Co. (Cement, Lime & Flour), Toledo O.

Bag Mountings

Conlan, Bernard (For Belts, Buckles, Purses, Ornaments, etc.), Newark, N. J.
Gould's, M. Son Co., 61 Hamilton, Newark,
Jenkinson, R. C. & Co., Newark, N. J. N. J.

Bags (Coal & Coke)

Ballou Mfg. Co. (& Canvas Baskets), Belding, Mich.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Coye, Charles A., Grand Rapids, Mich.
Lane, W. T. & Bro., Poughkeepsie, N. Y.

Bags (Filter)

Brooklyn Filter Bag Co., Brooklyn, N. Y.
Milwaukee Bag Co., Milwaukee, Wis.

Bags (Gas Engine)

Morgan & Wright (Inc.), Detroit, Mich.

Bags (Striking)

Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless" Leather), Fulton & May, Chicago, Ill.
Cleveland Rubber Works (Rubber), Cleveland O.
Goodrich, B. F. Co. (Rubber), Akron, O.
Morgan & Wright (Inc.) (Rubber), Detroit, Mich.
Rubber Products Co. (Rubber), Barberton, O.

Bags (Travelling)

(See Traveling Bags & Suit Cases)

Bags (Striking, Rubber)

Cleveland Rubber Co., Cleveland, O.
Faultless Rubber Co., Ashland, O.
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.), 226 Jefferson av, Detroit, Mich.
Rubber Products Co., Barberton, O.

Bags & Bagging

(Those Marked with a (†) Dagger Make Bagging also)

Adams Bag Co. (Cement, Flour, etc.), Oxxton bldg, Cleveland, O.
†American Mfg. Co. (Jute Bagging), 63 Wall, New York
Ames, Harris, Neville Co., Portland, Ore.
†Androscoggin Mills (Grain, etc.), Lewiston, Me.
Bailey, Christopher & Son, 320 Market, Phila., Pa.
†Bailey, John T. & Co. (Jute & Burlap, Bags Bagging), 8 Water c Morris, Phila., Pa.
Bates Mfg. Co. (Grain), Lewiston, Me.
Bemis Bros. Bag Co. (Jute & Duck; also Ore Bags, etc.), 601 S 4th, St. Louis, Mo.
Bowen-Jewell Co. (Cotton), Chattanooga, Tenn.
Buffalo Bag Co., Buffalo, N. Y.
California Cotton Mills Co. (Cotton Bags), Oakland, Cal.
California Jute Mill Co. (Grain, Sugar, Coffee & Wool Bags), 3 California, San Francisco, Cal.
†Charleston Bagging Mfg. Co. (Cotton & Jute Bagging), Charleston, S. C.
Cleveland-Akron Bag Co., Cleveland, O.
Chase, H. & L. Bag Co. (Bags), 18 N Main, St. Louis, Mo.
Chelsea Fibre Mills (Seamless Bags), 33 Union sq, New York
Cherokee Falls Mfg. Co. (Seamless Grain), Cherokee Falls, S. C.
Cincinnati Bag Co. (Cotton Seamless & Burlap), 2d & Walnut, Cincinnati, O.
Collins Bag Co. (Jute & Cotton), 84 White, New York
†Columbia Cotton Mill Co. (Seamless Bags & Bagging), Columbia, Tenn.
Columbia Paper Bag Co. (Paper Only), Baltimore, Md.
Consolidated Cotton Duck Co. (Seamless Grain, etc.), Baltimore, Md.
Continental Paper Bag Co., 6 Battery pl, New York
†Dana Warp Mills (Grain Bags), Westbrook, Me.
Delta Bag Co., New Orleans, La.
Detroit Bag Co. (Burlap, Paper, Twine), Detroit, Mich.
Dickinson, Albert Co., West Taylor & River, Chicago, Ill.
Eagle Cotton Mills Co. (Cotton), Madison, Ind.
Empire State Bag Co. (Flax & Jute Bags & Bagging), 742 Wythe av, Brooklyn, N. Y.
Freedlander, Julius & Co. (Cotton Bagging), Columbus, Ga.
Fulton Bag & Burlap Co., St. Louis, Mo.
†Fulton Bag & Cotton Mills (Bags & Bagging), Atlanta, Ga.
Gaylord Bros. (Cloth Coin), Syracuse, N. Y.
Golden Belt Mfg. Co. (Tobacco Bags, etc.), Durham, N. C.
Goldsmith Mfg. Co. (Burlap & Cotton), Charleston, S. C.
†Gulf Bag Co., (Burlap), 330 Notre Dame, New Orleans, La.
Halsted, E. S. & Co., 75 Pearl, New York
Hardwood Mfg. Co., 101 S 3d av, Minneapolis, Minn.
†Harmony Mills (Grain & Bagging, etc.), Cohoes, N. Y.
Hettrick Bros. Co. (Cotton), Toledo, O.

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Hoffman-Corr Mfg. Co., 55 White, New York
King Mfg. Co. (Cotton, Burlap, etc.), Front & Main, Cincinnati, O.
Kurtz Bag Co., 11 Counties sl, New York
Lane, J. H. & Co., 110 Worth, New York
Little Rock Tent & Awning Co. (Cotton Picking), Little Rock, Ark.
Ludlow Mfg. Associates (Jute Bagging for Baling Cotton), Boston, Mass.
†Menke & Co., Board of Trade bldg, New Orleans, La.
Millhiser Bag Co., Richmond, Va.
Milwaukee Bag Co. (Cotton & Jute, Sugar & Cement Bags, Flour Sacks & Burlaps), Milwaukee, Wis.
Monville, Gillee & Co. (Burlap), 781 S 2d, Philadelphia, Pa.
Morgan & Hamilton Co., Nashville, Tenn.
†Naomi Falls Mfg. Co. (Seamless Grain, Salt, etc.), Randleman, N. C.
Neahr, M. J. & Co., 89 S. Clinton, Chicago, Ill.
Moos, W. C. Bag Co. (Grain, etc.), Portland, Ore.
†Odell Mfg. Co. (Seamless Bags & Bagging), Concord, N. C.
Paper Mills Co. (Paper), 600 E Lombard, Baltimore, Md.
Peru Bagging Mfg. Co. (Jute Bagging), Peru, Ind.
Ray, Edgar K. (Est. of) (Seamless), Woonsocket, R. I.
Raymond Bag Co. (Cotton), 317 John, Cincinnati, O.
Riegel Sack Co. (Jute), Jersey City, N. J.
Riverside Mills (Cotton), Augusta, Ga.
Royal Bag & Yarn Mfg. Co. (Seamless & Flour Bags), Charleston, S. C.
Scott, Jas. & Son (Burlap), 73 Leonard, New York
St. Louis Bag & Burlap Co. (Jute), 307 N Main, St. Louis, Mo.
Smith, M. D. & H. L., Dalton, Ga.
†Stark Mills (Grain Bags; also Bagging, etc.), Manchester, N. H.
State Penitentiary Jute Mill (Jute Bags, etc.), Walla Walla, Wash.
Taggart Bros. Co. (Paper, Cement & Flour), Watertown, N. Y.
Tarentum Paper Mills, Pittsburg, Pa. Mills, Tarentum, Pa.
Tombigbee Cotton Mills (Cotton), Columbus, Miss.
Urschel-Bates Valve Bag Co. (For Lime, Cement, Plaster, Feed etc.), Toledo, O.
Walker, J. S. & Co., Louisville, Ky.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
†Willard Bag & Mfg. Co. (Burlap & Cotton Bags & Bagging), Wilmington, N. C.

Bails (Universal)

Albree, Chester B. Iron Works, Allegheny, Pa.

Balances (Assay & Analytical)

Ainsworth, Wm. & Sons, Denver, Colo.
Denver Balance Co., Denver, Colo.
Eimer & Amend, 205 3d av, New York
Fairbanks Co., 186 Lafayette, New York
Kohlbusch, Herman, 194 B'way, New York
QUEEN & CO. (Inc.), n. w. c 5th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Salt Lake Hardware Co. ("Keller"), Salt Lake City, Utah
Thompson Balance Co., Denver, Colo.
Troemner, Henry, 911 Arch, Phila., Pa.
Voland & Sons, New Rochelle, N. Y.

Balances (Spring)

American Cutlery Co., 193 Mather, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Chatillon, Jno. & Sons, 85 Cliff, New York
Forschner, Chas. & Sons, 206 E 19th, New York
Landers, Frary & Clark, New Britain, Conn.
Peck Stow & Wilcox Co., Southington, Conn.
Pelouze Scale & Mfg. Co., 118 W Jackson boul, Chicago, Ill.
Sargent & Co., 151 Leonard, New York

Ball Retainers

Sartus Ball Bearing Co., 155 Spring, New York
Star Ball Retainer Co., Lancaster, Pa.

Ballast Balls for Buoys

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa., & 149 B'way, New York

Ballast Loaders & Unloaders

Beatty, M. & Sons, Welland, Ontario, Can.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Marion Steam Shovel Co., Marion, O.
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Vulcan Iron Works Co., Toledo, O.

Ballast Placing Device

Walters & Okell ("Walker"), Fort Madison, Iowa

*Ballast Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Ballast (Railroad)

(See Stone, Crushed)

Balloons (Rubber)

Faultless Rubber Co., Ashland, O.

Ballot Boxes (Steel & Wood)

(See also Election Booths)

American Steel House Co., 796 11th av, New York
Pennsylvania Construction Co. (Wood Only), Marietta, Pa.

Balls (Basket)

Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless" Leather), Fulton & May, Chicago., Ill.

Balls (Brass)

American Ball Co., Providence, R. I.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Draper Mfg. Co. (Solid or Hollow, for Valves, etc.), Port Huron, Mich.
Excelsior Steel Ball Co., Military rd., Buffalo, N. Y.
Grant-Moover Ball Co. (Also Bronze), Merchantville, N. J.
Jones, E. J. Co. (Also Brouze), Arlington Heights, Mass.
LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Midland Brass Works, Fort Worth, Texas.
Standard Roller Bearing Co., 50th & Lancaster, Phila., Pa.

*Balls (Fall Line)

DOBBIE FOUNDRY & MACHINE CO. (Plain & With Hook), Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

Balls for Ball Mills

ALLIS-CHALMERS CO. (Forged Steel), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co., Cudahy, Wis.

*Balls (Flag Pole)

JONES, THOMAS W., 22 Burling slip, New York. (See adv. index, end of book)

Balls (Fuller)

Canfield, H. O. Co., Bridgeport, Conn.
Jenkins Bros., 71 John, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)

Balls (Glass)

Bache, Semon & Co., West & Hubert, New York

Balls (Golf)

Davidson Rubber Co., Boston, Mass.
Goodrich, B. F. Co. ("Haskell Whiz"), Akron, Ohio
Goodyear Tire & Rubber Co., Akron, O.
Kempshall Mfg. Co. (Rubber), Arlington, N. J.
Worthington Co., Elyria, O.

Balls (Hollow)

Draper Mfg. Co. (Brass, for Valves, etc.), Port Huron, Mich.
Johnston & Sharp Mfg. Co. (Crucible Steel, Self-Lubricating), Ottumwa, Ia.
Waterbury Brass Co. (Large), Waterbury, Conn.

Balls (Pipe & Flue)

Adams, S. Jarvis, Co., Etna & 14th, Pittsburg, Pa.

Balls (Porcleain)

Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

Balls (Rubber)

Faultless Rubber Co., Ashland, O.

Balls (Steel)

American Ball Bearing Co., Cleveland, O.
American Ball Co., Providence, R. I.
Auburn Ball Bearing Co., Rochester, N. Y.
Brecher, E. A. & Co., 95 Reade, New York
Darling Pump & Mfg. Co., Williamsport, Pa.
Excelsior Steel Ball Co., Military rd., Buffalo, N. Y.
Grant-Hoover Ball Co. (Also Cast Iron), Merchantville, N. J.
Hese-Bright Mfg. Co., Phila., Pa.
Jones, E. J. Co., Arlington Heights, Mass.
Livermore, W. F. Co., Boston, Mass.
New Departure Mfg. Co., Bristol, Conn.
Pressed Steel Mfg. Co., Ridge av, Phila., Pa.
Standard Roller Bearing Co., 50th & Lancaster, Phila., Pa.
Transue & Williams Co. (From 2 inches up), Alliance, O.
Wyman & Gordon (Unfinished), Worcester, Mass.

*Balls (Steel, Billiard & Bowling)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Balls (Tennis)

Goodrich, B. F. Co. ("Goodrich"), Akron, O.

Balls (Wood)

American Enamel Co. (Plain & Enameled), Providence, R. I.
Estes, E. B. & Sons, New York
Hyde-Murphy Co., Ridgway, Pa.
Jones, E. J. & Co., Arlington Heights, Mass.
McMillan's, W. H. Sons (Ten Pin), 153 South, New York
Novelty Turning Co., Norway, Me.
Rowe, Henry Mfg. Co., Newaygo, Mich.

*Balls (Zinc)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)

Bands (Boom)

Tiebout, W. & J., 118 Chambers, New York
Wilcox, Crittendon & Co. (Adjustable Goose Neck, etc.), Middletown, Conn.

Bands (Brake)

Columbia Steel Co., Elyria, O.
CROSBY CO., 171 Pratt, Buffalo, N. Y. (See adv. index, end of book)
Globe Machine & Stamping Co., Cleveland, O.
Neustadt Auto & Supply Co., 826 S 18th, St. Louis, Mo.
Royal Equipment Co. ("Raymond"), Bridgeport, Conn.
Smith, A. O. Co., Milwaukee, Wis.
Standard Welding Co., Cleveland, O.
Whipple, E. W., Binghamton, N. Y.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Bands (Brass)

Waterbury Brass Goods Corporation (Fancy & Perforated), Waterbury, Conn.

Bands (Brush)

Lathrop, F. B. South Acton, Mass.

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Bands (Hose)

Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hudson Parer Co., Leominster, Mass.
Maltby Geo. B., American Trust bldg, Cleveland, O.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (For Brewers, etc.), Milwaukee, Wis.

Bands (Pipe & Tank)

Cambria Steel Co. (With Rolled Threads), Arcade bldg, Phila., Pa.
CENTRAL FOUNDRY CO. (For Cast Iron Pipe), 37 Wall, New York. (See adv. index & branch offices, end of book)
Colorado Fuel & Iron Co., Denver, Col.

Bands (Shingle, Box & Shook)

ACME STEEL GOODS CO., 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)
De Haven Mfg. Co., 153 Furman, Brooklyn, N. Y.
Hollow Cable Mfg. Co. ("Preston's" Patent Braided Wire Box), Hornell, N. Y.
National Mfg. Co., N S, Pittsburg, Pa.
Paton, J. & Co. (Iron & Steel), Cleveland, O.

*Bank Safes (Patent Screw Door)

HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)

Bank Vaults

Barnes Safe & Lock Co., 325 3d av, Pittsburg, Pa.
Baum, J. Safe & Lock Co., Cincinnati, O.
Cary Safe Co., Chicago & Scott, Buffalo, N. Y.
Cornell, J. B. & J. M. Co. ("Burglar Proof"), 26th & 11th av, New York
Diebold Safe & Lock Co. (Burglar & Fire-Proof), Canton, O., & 30 Reade, New York
Ely-Norris Safe Co., Perth Amboy, N. J.
HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Herring-Hall-Marvin Safe Co., Hamilton, O., & 400 B'way, New York
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Manganese Steel Safe Co., Plainfield, N. J.
Meyer, L. A. Co., 448 E Water, Milwaukee, Wis.
Miller, L. H. Safe & Iron Works, Baltimore, Md.
Morris-Ireland Safe Co., 64 Sudbury, Boston, Mass.
Mosler Safe Co., Main Office & Works, Hamilton, O.
National Safe & Lock Co., Cleveland, O.
Remington & Sherman Co., 359 B'way, New York
Stewart Jail Works Co., Covington, Ky.
Thomas-Peter Co. (Sheet Steel), Canton, O.
Trumbull Safe & Vault Co., 117 Lake, Chicago, Ill.
VAN DORN IRON WORKS CO., 2685 N 79th, Cleveland, O. (See adv. index, end of book)
Victor Safe & Lock Co., 326 E 8th, Cincinnati, O.
Waltz Safe & Lock Co., 21 Spear, San Francisco, Cal.
Western Iron Works, 123 Beale, San Francisco, Cal.
York Safe & Lock Co., York, Pa.

Bank & Office Fixtures (Metallic)

Art Metal Construction Co., Jamestown, N. Y.
BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Canton Art Metal Co., Canton, O.
GENERAL FIREPROOFING CO. ("Allsteel"), Youngstown, O., & 103 E 33d, New York. (See adv. index & branch offices, end of book)
Jamestown Metal Furniture Co., Jamestown, N. Y., & 547 E 42d, New York
Krag Imperial Cabinet Co., 816 Fulton, Chicago, Ill.
Library Bureau, 530 Atlantic av, Boston, Mass.
MEYERS, FRED. J. MFG. CO., Ham-ilton, O. (See adv. index, end of book)
Office, Bank & Library Co., 157 Summer, Boston, Mass., & 102 Fulton, New York
Steel Fixture Mfg. Co., Topeka, Kan.
VAN DORN IRON WORKS CO., 2685 E 79th, Cleveland, O. (See adv. index, end of book)

Bank & Office Railings

CALIFORNIA.

LOS ANGELES—Bailey Ornamental Iron Co., Biescar, Henry 108 Ord
Fruhling, Wm. A., 218 E 4th
Jones, Jas. Co., Le Roy & St. John
Niederer, J. Co., Main & Jefferson
OAKLAND—White Ornamental Iron Co.
SAN FRANCISCO—California Artistic Metal & Deterding, Chris. Wire Co., 351 7th
Garratt, W. T. & Co., 138 Fremont
Merle Ornamental Iron & Bronze Co.
Ralston Iron Works, 20th & Indiana
Sperry Iron & Wire Works, 168 Oak
WINSLOW BROS. COMPANY (Iron, Brass & Bronze), 972 Monadnock bldg. (See adv. index, end of book)
WRIGHT WIRE CO., 97 Fremont. (See adv. index, end of book)

COLORADO.

DENVER—Frazier-Peeps Fixture Co., 1401 Grauman, L. Fixture Co. Wazee
Jackson-Richter Iron Works Co.
Pioneer Iron & Wire Works Co., 1437 Market
White Bros. Mfg. Co.

CONNECTICUT.

BRIDGEPORT—Barnes, T. M., 282 Stratford av
Booth, R. G. & Co., 23 Crescent av
HARTFORD—Howard, James L. & Co., 438 Asylum
MERIDEN—Bradley & Hubbard Mfg. Co.
NEW HAVEN—Burgess, Edw. A. (Est. of), 1 Artizan
Smith, Edw. F. & Co., 256 State
Smith, John P. & Co., 493 State
Yale Safe & Iron Co., 52 Richards, W. H.
PLAINVILLE—Elm City Brass & Rivet Co.

GEORGIA.

ATLANTA—Atlanta Wire & Iron Wks. Co., Empire bldg
Southern Wire & Iron Works

ILLINOIS.

AURORA—Love Bros. (Inc.)
CHICAGO—American Iron & Wire Works, 575 Carroll av.
Barbee Wire & Iron Works, 44 Dearborn
Central Architectural Iron Works, (Inc.), 4103 La Salle
CHICAGO ORNAMENTAL IRON Co., 37th c Stewart av. (See adv. index, end of book)
Columbia Wire & Iron Works, 83 Walnut
Gilbert & Bennett Mfg. Co., 153 Lake
HALSTED, JOS. CO., 388 W Ran-dolph. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore. (See adv. index, end of book)
Heath-Johnson Co., 123 Ontario
JACKSON, WM. H. COMPANY, 163 Michigan av. (See adv. index, end of book)
Landon, E. R. Iron & Wire Works, 18 W May
SMITH, F. P. WIRE & IRON Works, 100 Lake. (See adv. index, end of book)
STANDARD CO., Railway Exch bldg. (See adv. index, end of book)
Voss, Fred'k., 617 Austin av., Chicago, Ill.
WINSLOW BROS. COMPANY (Iron, Brass & Bronze), 2515 W Harrison. (See adv. index, end of book)
EDWARDSVILLE—Edwardsville Brass Co.
QUINCY—Van Doorn Co.
ROCKFORD—Andrews Wire & Iron Works
SYCAMORE—Turner Brass Works

INDIANA.

EVANSVILLE—Mesker, Geo. L. & Co. (Wire & Iron)
INDIANAPOLIS—Central Wire & Iron Works
Geiger & Peters, 321-323 S Alabama
Inland Novelty Iron & Wire Works, 208 S Penn
Langsenkamp Wheeler Brass Works, 1208 Melaun, Ernst, 612 E Washington
Roch, Tobias, 225 E Pearl
LAFAYETTE—Barbee Wire & Iron Works
RICHMOND—Chandelier & Art Brass Works
TERRE HAUTE—Up-to-Date Mfg. Co.

IOWA.

DES MOINES—Centaur Wire & Iron Works
Central Iron Works, 118 Grand av
DUBUQUE—Trenk Wire Works, Iowa c 4th

KENTUCKY.

LOUISVILLE—Champion Iron & Wire Works, Dow Wire & Iron Works 1115 Underhill
Imperial Wire, Iron & Roofing Co., 221 W Market
Kentucky Wire & Iron Co., 120 W Market
Snead Architectural Iron Works

LOUISIANA.

NEW ORLEANS — **WINSLOW BROS.** Company (Iron, Brass & Bronze), Hennen bldg. (See adv. index, end of book)

MAINE.

PORTLAND—Megquier & Jones Co.

MARYLAND.

BALTIMORE—Arundel Iron Works, 757 W Pratt
Balderston, H. & Son, 319 Pearl
Chesapeake Iron Works, Bush & B. & O. R. R.
Dietrich Bros., 344 North
Dufur, Baggott & Co., 235 W Saratoga
Dufur & Co., 311 N Howard
Meiser, H. & Son, 210 Clay
Stidman & Co., 16 N Frederick
WINSLOW BROS. COMPANY, Equitable bldg. (See adv. index, end of book)

MASSACHUSETTS.

BOSTON—Bay State Brass Foundry, 155 A, S B
Hub Wire Cloth & Wire Work Co., 18 Devonshire
Morss & Whyte Co., 75 Cornhill
Murdock, Shaw Corporation, 125 Federal
Nelson Bros., 62 Thayer
National Mfg. Co., 75 Equitable bldg
Scrannage Bros. 77 Travers
Whyte, Oliver & Co., 17 Cornhill
LOWELL—Rice & Co., 251 Mount Vernon
SPRINGFIELD—**BIGELOW, CHENEY** Wire Works. (See adv. index, end of Emory, P. P. Mfg. Co. book)
WORCESTER—Dean, H. E. & Co., 180 Austin
National Mfg. Co.
WRIGHT WIRE CO. (See adv. in-dex, end of book)

MICHIGAN.

DETROIT—Acme Fancy Wire Works, Canfield av c Moran
Amos, Charles & Co., 9-13 Orchard
Art Brass & Wire Works, Forest av & Ellery
Barnum, E. T. Wire & Iron Works, 82 Washington
BOLLES, J. E. IRON & WIRE Works. (See adv. index, end of book)
De Crouret Iron Works, 127 Brush
Detroit Wire & Iron Works, 27 Jefferson
Inglis, Wm. Wire & Iron Works, 59 Woodbridge, E.
Phoenix Wire Works, Kirby & G. T. R. R.
VULCAN CO. (See adv. index, end
SAGINAW—Koehler Bros. of book)

MINNESOTA.

MINNEAPOLIS — **FLOUR CITY ORNA-**mental Iron Works, 27th st. & 28th av. (See adv. index end of book)
Kienzle-Merrick Mfg. Co., 1214 S 3d
Minneapolis Ornamental Iron Works, 401 12th av. S.
Twentieth Century Brass & Iron Works Co., 231 5th av. S.
ST. PAUL—Herzog Iron Works, 1044 E 7th
Perkins Mfg. Co., University av c Fairview
Twin City Iron & Wire Works, 106 E 5th

MISSOURI.

KANSAS CITY—Central Brass Works Co., Goodrich c Central
Kansas City Wire & Iron Works, 1428 Oak
Kleeman, Trotter & Co., 1827 Main
Poncik, Martin, 1816 Yecker
Tilk, Frank, 213 W 19th
ST. LOUIS—Lasar-Letzig Mfg. Co., 1313 N 16th
St. Louis Wire & Iron Co., 520 Chouteau av

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HALL PATENT

(APRIL 3, 1906)

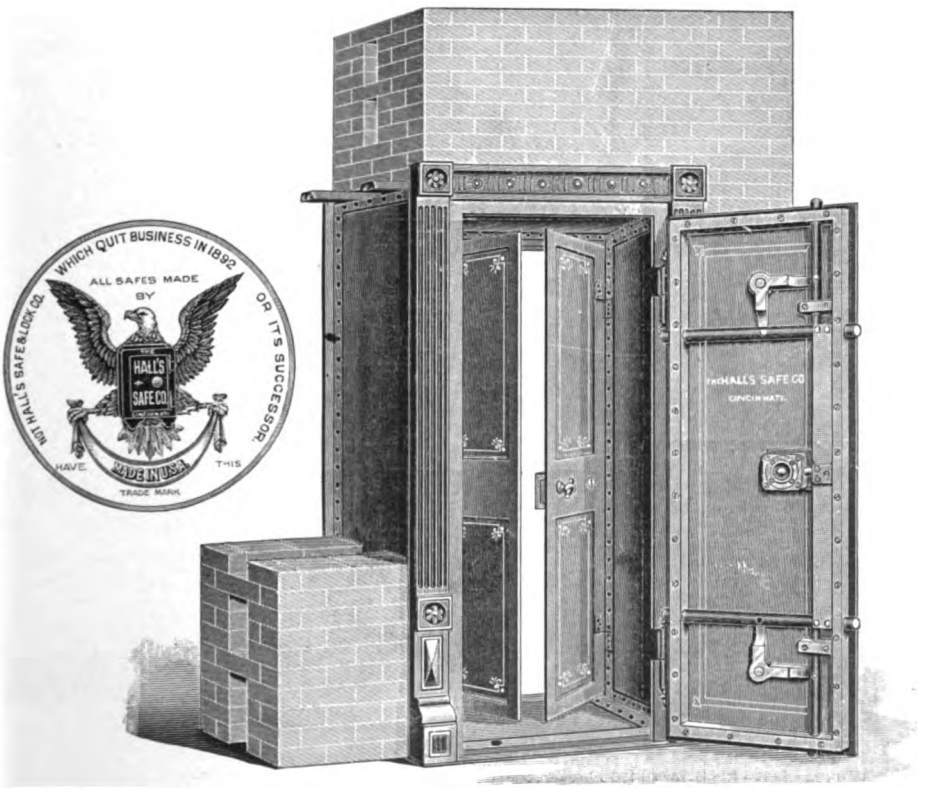
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For Branch Offices Addresses, See Advertisers' Index, End of Book.

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REGISTER

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NEBRASKA.

OMAHA—Champion Iron Works
Hlavka, Jno., 1216 Harney

NEW JERSEY.

CAMDEN—**MERRITT & CO., Front &** Arch. (See adv. index, end of book)
NEWARK—Froehlich, A., 374 Market
Gould's, M. Son & Co. (Brass & Bronze), 61 Hamilton
Industrial Wire & Metal Works, 6 Bloomfield av
Storsberg, Frits, 20 Atlantic

NEW YORK.

ALBANY—Campbell, Harry E. Co., 403 N Pearl
Campbell, Harry E. Co., 403 N Pearl
Spalt, George, 904 B'way
BINGHAMTON—Titchener, E. H. & Co.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Wire Works Co. (Also Screens), 816 Terrace
Sanford, Thomas F., 84 B'way
Zero Valve & Brass Mfg. Co. (Brass Only), 417 Chicago
ELMIRA—Bantley, Constantine E., 5th c Madison av
MOUNT VERNON—Henry-Bonnard Bronze Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Ajax Iron & Wire Co., 75 York
Durst, Wm., 4 Water
Grosback, Wm. & Co., 37 Maspeth av
Hecla Iron Works, 118 N 11th
McMurray, R. T. & Co., 365 Harman
Mills, W. J., 639 Kent av

Boroughs of Manhattan & Bronx.

NEW YORK—American Brass Fixture Works (Brass & Bronze), 8 Howard
Bataille, Achille & Co., 587 Hudson
CABARET, PAUL E. & CO. (Bronze), 342 W 14th. (See adv. index, end of book)
Cabbie, Wm. Excelsior Wire Mfg. Co., 43 Fulton
Empire Brass & Metal Works, 200 B'way
ESTEY BROS. CO., Liberty & Greenwich. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton. (See adv. index, end of book)
Fiske, J. W. Iron Works, 56 Park pl
GORHAM CO. ARCH'L BRONZE, 5th av & 36th; Works: Providence, R. I. (See adv. index, end of book)
Gould's, M. Son & Co. (Brass Bronze), 83 Reade
Hecla Iron Works. (See Borough of Brooklyn)
Henry-Bonnard Bronze Co., 103 Park av
Hopkins & Co., 198 W B'way
HOWARD & MORSE, 45 Fulton. (See adv. facing first page of Index of Contents)
JACKSON, WM. H. COMPANY (Bank Counter Screens a Specialty), 29 E 17th (Union square. (See adv. index, end of book)
Janusch Mfg. Co. (Brass & Bronze), 496 E
Lobel-Andrews Co., 531 W 55th 134th
Manhattan Brass Co., 334 E 28th
National Mfg. Co., 103 Chambers
New York Brass & Wire Works Co., 177 Grand
PITT, WM. R. COMPOSITE IRON Works, 136 W 24th. (See adv. index, end
Sheppard & Stolp, 20 Fletcher of book)
Thompson, Hervey, 176 E 119th
Tiffany Studios, 347 Madison av
Toffler, S. Co. (Inc.) (Brass), 145th & S boul
Tuttle & Bailey Mfg. Co. (Brass & Bronze), 83 Beekman
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, c 129th, New York
Wells Architectural Iron Co., 219-221 E 144th
Westervelt, A. B. & W. T., 102 Chambers
Williams, George A. & Sons, 85 Fulton
Williams, John, 556 W 27th
WINSLOW BROS. COMPANY (Iron, Brass & Bronze), 103 Park av. (See adv. index & branch offices, end of book)

Borough of Queens.

ASTORIA—Federal Brass & Bronze Co.
MASPETH—Richey, Browne & Deanld (Inc.)
(End of New York City)
ROCHESTER—Kohlmetz, Chas. E. & H. L. Snow Wire Works Co.
White Wire Works Co., 47 Exchange
SYRACUSE — Smith & Caffrey Co. (Props) (Phoenix-Porter Foundry)
Syracuse Wire Works
TROY—Mahony Mfg. Co.

OHIO.

AKRON—Burger Iron Co.
Ornamental Iron Works Co.
CANTON—**COLUMBIA IRON & WIRE** Works Co. (See adv. index, end of book)
CINCINNATI — **CINCINNATI MFG. CO.,** 1243 W 6th. (See adv. index, end of book)
KAMMAN, WALTER, Spring Grove av & Monmouth. (See adv. index, end of book)
Kinsley, John R., 115 E 6th
SCHREIBER, L. SONS & CO., 8th & Eggleston av. (See adv. index, end of book)
Schroder, J. B. & Co., 132 E 5th
CLEVELAND—**FOREST CITY STEEL &** Iron Co., 10 Ramsey. (See adv. index, end of book)
TYLER, W. S. CO. (See adv. index, end of book)
VAN DORN IRON WORKS CO., 2685 E 79th. (See adv. index, end of book)
COLUMBUS—**COLUMBUS WIRE & IRON** Works Co. (See adv. index, end of book)
Kanode, Henry D.
DAYTON—City Forge & Iron Works (Andrew Plocher, Prop.)
HAMILTON—**MEYERS, FRED. J. MFG.** Co. (See adv. index, end of book)
SPRINGFIELD—Bayley, Wm. Co.
TOLEDO—Donovan Wire & Iron Co.
Toledo Wire & Iron Works

OREGON.

PORTLAND—Portland Wire & Iron Works
Tuerck, I. K., Davis c 9th

PENNSYLVANIA.

PHILADELPHIA—Belmont Iron Works, 22d & Wash av
Biggin, Chas. P. Co., 1829 Harlan
DARBY, EDW. & SONS CO., 239 Arch. (See adv. index, end of book)
Gensel, Frederick & Co., 911 Vine
Halstead & Co., 1129 Cherry
Midland Metal Co. (Inc.), 21st & Jefferson
Nacke, A. & Son, 236 S 9th
Pettit, Frank, 809 Master
REMPPIS, WM. F. CO., 1506 Sansom. (See adv. index, end of book)
PITTSBURG—Cornwall, E. & Co., 709 Sarah
McKenna Bros. Brass Co. (Brass), 1st av & Ross
PHOENIX STEEL CO. (Inc.), Putnam & P. R. R. (See adv. index, end of book)
Pittsburg Brass Mfg. Co., Penn av & 32d
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler. (See adv. index, end of book)
TAYLOR & DEAN, Penn av & 25th. (See adv. index, end of book)
TYLER, W. S. CO., Bessemer bldg. (See adv. index, end of book)
WINSLOW BROS. COMPANY (Iron, Brass & Bronze), Peoples National Bank bldg. (See adv. index, end of book)
READING—**REMPPIS, WM. F. CO. (See** adv. index, end of book)

RHODE ISLAND.

PROVIDENCE—What Cheer Wire Works, 157 Dorrance

TENNESSEE.

CHATTANOOGA—Chattanooga Iron & Wire Works

VIRGINIA.

PORTSMOUTH—Ornamental Iron & Wire Co.
RICHMOND—Richmond Mfg. Co. (Inc.)

WASHINGTON.

SEATTLE—Camp-Te Roller Agency (Mfrs.' Agts.), Colman bldg.
Pacific Ornamental Iron Works, 922 1st av, S.

WEST VIRGINIA.

WHEELING—Architectural Iron & Wire W'ks
Harris, P. S.

WISCONSIN.

MILWAUKEE — Colnik, C. Mfg. Co., 734 Greenbush
Globe Wire & Iron Works, Atkinson av, bet. 10th & 11th
Loeffelholz Co., 170 Clinton
Wagner, A. F., 514 Market
WISCONSIN IRON & WIRE W'KS, 190 E Water. (See adv. index, end of book)

*Bank & Safety Deposit Vaults

HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)

*Banks (Toy)

WORCESTER PRESSED STEEL CO. (Pressed Steel), Worcester, Mass. (See adv. index, end of book)

*Bar Folders

BLISS, E. W. CO., 19 Adams, Brook-lyn, N. Y. (See adv. index, end of book)

Barge Builders

American Bridge Co. (Steel) (At Ambridge, Pa., Plant), Pittsburg, Pa., & 30 Church, New York
American Car & Foundry Co. (Steel & Wooden), 915 Olive, St. Louis, Mo., & 165 B'way, New York
AMERICAN CONCRETE CO. (Con-crete), 80 William, New York. (See adv. index, end of book)
Carroll-Porter Boiler & Tank Co. (Steel), Wellsville, O.
Cramp, Wm. & Sons, Ship & Engine Building Co. (Steel), Beach & Ball, Philadelphia, Pa.
Harlan & Hollingsworth Corporation (Steel), Wilmington, Del.
Newport News Ship Building & Dry Dock Co. (Steel), Newport News, Va.
Union Iron Works Co. (Steel), San Francisco, Cal.

Bar Iron or Steel

(See Iron Bar Mills; also Steel Bar Mills)

Barium (Carbonate, Precipitated)

Harshaw, Fuller & Goodwin Co., Cleveland, O.

Barometers

Ainsworth, Wm. & Sons, Denver, Col.
Bliss, John & Co., 128 Front, New York
Du Vivier, Ernest H. (Dial & Recording), 30 Church, New York
Green, Henry J., 1911 Bedford av
Greiner, Emil Co., 45 Cliff, New York
Hand, John & Sons ("U. S. Navy"), 222 Walnut, Phila., Pa.
Keuffel & Esser Co., 127 Fulton, New York
Large, Chas. E., 35 Woodbine, Brooklyn, N. Y.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Ritchie, E. S. & Sons, Brookline, Mass.
Tagliabue, Chas. J. Mfg. Co., 53 Fulton, New York
Tagliabue, G. (Est. of), 302 Pearl, New York
Taylor Bros. Co., 29 Elizabeth, Rochester, N.Y.
Taylor Instrument Co., Rochester, N. Y.
Wagner Bros. & Co. (Importers), 26 Washington pl, New York
Watertown Thermometer Co., Watertown, N.Y.

*Barometers (Aneroid)

QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)

Barrel Machinery

(See Machinery, Barrel, Keg, Stave & Heading)

Barrel Packers

(See Packing Machines; also Bag Filling Machines)

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Barrels (Chlorinating)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Power & Mining Machinery Co., Cudahy, Wis.
Union Iron Works Co., San Francisco, Cal.

Barrels (Clean Up or Amalgam)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Power & Mining Machinery Co., Cudahy, Wis.
Union Iron Works Co., San Francisco, Cal.

Barrels (Cyanide)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Power & Mining Machinery Co., Cudahy, Wis.
Union Iron Works Co., San Francisco, Cal.

Barrels (Japanning)

Baird Machine Co. (Also Fanning Mills), Oakville, Conn.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Barrels (Oil)

Gulf Cooperage Co., Pittsburg, Pa.

*Barrels (Seamless Pressed Steel)

PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)

Barrels (Second-Hand)

BALTIMORE COOPERAGE CO., c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Maguire Bros (Lime & Cement), 527 W 55th, New York
New York Cooperage, 235 B'way, New York

Barrels (Sheet Steel)

Acorn Brass Mfg. Co., 203 Fulton, Chicago, Ill.
American Steel Package Co., Defiance, O.
Barnes Mfg. Co. (Seamless), Mansfield, O.
Clark, W. J. Co., Salem, O.
Cleveland Wire Spring Co., E 38th & Hamilton, Cleveland, O.
Cowles & Danziger Co., Detroit, Mich.
Iron Clad Mfg. Co., 204 Varet, B'klyn, N. Y.
Keighley, S. Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
LYON METALLIC MFG. CO., Aurora, Ill. (See adv. index, end of book)
Ohio Galvanizing & Mfg. Co. (Steel Shop), Niles, O.
Ohio Mfg. Co. (Also Steel Foundry Barrels), Painesville, O.
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book.)
Terrell's Equipment Co., Grand Rapids, Mich.
Welded Steel Barrel Corporation (Welded Steel), Detroit, Mich.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Barrels (Steam Drying)

Baird Machine Co. (Also Fanning Mills), Oakville, Conn.

Barrels (Steel)

(See Barrels, Sheet Steel)

Barrels (Steel Shipping)

Iron Clad Mfg. Co., 204 Varet, B'klyn, N. Y.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Barrels (Tumbling or Rumbling)

(See also Mills, Tumbling)

Baird Machine Co. ("Baird" Oblique Tilting, Dry, Wet & Steam Drying, etc.), Oakville, Conn.
BALTIMORE COOPERAGE CO., c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Barnett, Oscar Foundry Co. ("Barnett's" Hexagon), Newark, N. J.
Bowler Foundry Co., 14 Winter, Cleveland, O.
Brass Founders Supply Co. (Tilting, Oblique Tumblers for Brass Fdrs., also Dry & Wet Tumblers, Newark, N. J.
Byram & Co. (Inc.), 435 Guoin, Detroit, Mich.
Caldwell, H. W. & Son Co. ("Walker"), 17th & Western av, Chicago, Ill.
Calumet Engineering Works ("Calumet"), Harvey, Ill.
CENTRAL IRON WORKS ("Quincy"), Quincy, Ill. (See adv. index, end of book)
Clark Novelty Co. (Tilting Tumbling), Rochester, N. Y.
Cleveland Tumbling Barrel & Mfg. Co., Cleveland, O.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co. (Foundry), Cuyahoga Falls, O.
Globe Machine & Stamping Co. ("Globe" Tilting; also Horizontal), 3868 Hamilton av, Cleveland, O.
Henderson Bros., Waterbury, Conn.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Locke Regulator Co., Salem, Mass.
McCormack, J. S. Co., 25th & A. V. By., Pittsburg, Pa.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index, end of book)
Paxson, J. W. Co., 1021 N Delaware av, Phila., Pa.
Phillips & McLaren, 24th & Smallman, Pittsburg, Pa.
Royersford Foundry & Machine Co., Royersford, Pa.
Stover Mfg. Co., Freeport, Ill.
Sly, W. W. Mfg. Co., Cleveland, O.
Standard Machinery Co., Providence, R. I.
Tilghman-Brooksbank Sand Blast Co. ("Tilghman" & "Matthewson"), 1126 S 11th, Philadelphia, Pa.
Turner, Vaughn & Taylor Co. (Chain & Nail), Cuyahoga Falls, O.
Waterbury Machine Co. (Tilting for Brass, etc.), Waterbury, Conn.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Barrels (Wire Thrashing)

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Barrels (Working)

National Tube Co. ("Shelby" Seamless Steel Tubing), Pittsburg, Pa.

Barrows (Baggage & Express)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Buffalo Scale Co., Buffalo, N. Y.
Clark, Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., 186 Lafayette, New York
FAIRBANKS, MORSE & CO., Wabash & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Howe Scale Co., Rutland, Vt.; 341 B'way, New York & 145 Franklin, Boston, Mass.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Sidney Steel Scraper Co. (Wooden Frame), Sidney, O.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.

Barrows (Brick)

Akron Cultivator Co. (Steel Tray), Akron, O.
American Clay Machinery Co., Bucyrus, O.
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold, Creager Co., New London, O.
Bryan Mfg. Co. (Steel Frame), Bryan, O.
Davis-Price Fdy & Machine Co., New Cumberland, W. Va.
Dederick's, P. K. Sons, Albany, N. Y.
Fairbanks Co., 186 Lafayette, New York
Freese, E. M. & Co., Galion, O.
Horton Mfg. Co., Painesville, O.
Jackson Mfg. Co., Harrisburg, Pa.
Kells Foundry & Machine Co., Adrian, Mich.
Kilbourne & Jacobs Mfg. Co. (Steel & Wooden), Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McWhinnie, Thos., Poughkeepsie, N. Y.
MARSH COMPANY ("Haslup" Steel Tray), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Martin, H. Brick Machine Co., Lancaster, Pa.
Means Foundry & Machine Co., Steubenville, O.
Michigan Brick & Tile Machine Co., Morenci, Mich.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Potts, C. & A. & Co., Indianapolis, Ind.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Raymond, C. W. Co., Dayton, O.
Scott's Patent Brick Car Co., Knoxville, Tenn.
Sidney Steel Scraper Co. (Wood Frame, Iron Wheel), Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thomas, Geo. W. & Co., Toledo, O.
Toledo Wheelbarrow Co. ("Bull Frog"), Toledo, O.
Wellington Machine Co., Wellington, O.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.

Barrows (Charging)

(See Barrows, Furnace Charging)

Barrows (Coal)

(See Barrows, Steel)

Barrows (Coal or Coke Charging)

(See Barrows, Furnace Charging)

Barrows (Coke)

Akron Cultivator Co. (Steel), Akron, O.
Archer Iron Works Co. (Steel), 739 1st Nat'l Bank bldg, Chicago, Ill.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E. Cleveland, O. (See adv. index, end of book)
Bryan Mfg. Co., Bryan, O.
Connellsville Machine & Car Co., Connellsville, Pa.
Fairbanks Co., 186 Lafayette, New York
FAIRBANKS, MORSE & CO. (Steel), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Focht's, Geo. Sons, Hoboken, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McWhinnie, Thos., Poughkeepsie, N. Y.
MARSH COMPANY ("Haslup" Solid Pressed Steel Tray), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Niles Mine & Mill Supply Co., Cleveland, O., & Niles, O.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Sidney Steel Scraper Co., Sidney, O.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Stuebner, G. L. Iron Works (Steel), 12th & Vernon av, Long Island City, N. Y.

Barrows (Concrete Charging)

Akron Cultivator Co., Akron, O
AMERICAN CONCRETE CO. (Mfrs.' Agts), 80 William, New York. (See adv. index, end of book)
Archer Iron Works Co. (Steel & Wood Frame), 739 1st Nat'l Bank bldg, Chicago, Ill.
KOEHRING MACHINE CO., Milwaukee, Wis. (See adv. index, end of book)
MARSH COMPANY ("Haslup" Solid Pressed Steel Tray), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Puffer-Hubbard Mfg. Co. (Steel Tray, Steel Wheels, Wood Handles), Minneapolis, Minn.
RANSOME CONCRETE MACHINERY Co. (Steel), Dunellen, N. J. (See adv. index & branch offices, end of book)
Sterling Wheelbarrow Co. ("Bakers," "Ajax," "Eureka," Roller Bearing Wheels), Milwaukee, Wis.
Toledo Wheelbarrow Co. ("Bull Frog" Steel Tray), Toledo, O.
Wallace-Lindesmith Hoist Co., Los Angeles, Cal.

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Barrows (Contractors')
(See Wheelbarrows)

Barrows (Folding, Steel Frame)
Bryan Mfg. Co., Bryan, O.

Barrows (Foundry)
Akron Cultivator Co., Akron, O.
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co., Bryan, O.
Fairbanks Co., 168 Lafayette, New York
FAIRBANKS, MORSE & CO. (Steel), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Focht's, Geo. Sons, Hoboken, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McWhinnie, Thos., Poughkeepsie, N. Y.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Pollock, Alex. Co., 203 West, New York
Sidney Steel Scraper Co., Sidney, O.
SMITH, J. D. FOUNDRY SUPPLY Co., 1846 Scranton rd, N W, Cleveland, O (See adv. index, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Sterling Wheelbarrow Co. ("Sterling" All-Steel Tubular Frame), Milwaukee, Wis.
Stuebner, G. L. Iron Works (Steel), 12th & Vernon av, Long Island City, N. Y.
Syracuse Chilled Plow Co. (Steel Tray, Tubular), Syracuse, N. Y.
Union Iron Works, Hoboken, N. J.

Barrows (Furnace Charging)
Akron Cultivator Co. (Automatic Dump), Akron, O
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co., Byran, O.
Consolidated Iron Works, Hoboken, N. J.
Conveying Machinery Co., 120 Liberty, New York
Fairbanks Co., 186 Lafayette, New York
Focht's, Geo. Sons, Hoboken, N. J.
FAIRBANKS, MORSE & CO., Wabash & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Ohio Ceramic Engineering Co., Cleveland, O.
Petty, J. K. & Co. (Lebanon Boiler Works) (With Fallers Axles), Stephen Girard bldg. Philadelphia, Pa.: Works: Lebanon, Pa
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Power & Mining Machinery Co., Cudahy, Wis.
Schalkenbach & Budke, Jersey City, N. J.
Sidney Steel Scraper Co., Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Weimer Machine Works Co., Lebanon, Pa.

Barrows (Garden)
Bryan Mfg. Co., Bryan, O.
Keystone Farm Machine Co., York, Pa.
Kilbourne & Jacobs Mfg. Co. ("20th Century," etc.), Columbus, O.
McWhinnie, Thos., Poughkeepsie, N. Y.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Sidney Steel Scraper Co., Sidney, O.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Metal Wheel Co., Toledo, O.
Toledo Wheelbarrow Co. ("Toledo Clipper," etc.), Toledo, O.
Zering, H. Mfg. Co., Cincinnati, O.

Barrows (Gas Works)
(See Barrows, Coke)

Barrows (Locomotive Coal Station)
Akron Cultivator Co., Akron, O.
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O

Barrows (Mortar)
Akron Cultivator Co., Akron, O.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Archer Iron Works Co. (Steel), 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co., Bryan, O.
Kilbourne & Jacobs Mfg. Co. (Bolted), Columbus, O.
MARSH COMPANY ("Haslup" Solid Pressed Steel Tray), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Puffer-Hubbard Mfg. Co., (Coal, Ore & Coke), Minneapolis, Minn.
Sidney Steel Scraper Co. (Tubular Steel), Sidney, O.
Sterling Wheelbarrow Co. (Steel, etc.), Milwaukee, Wis.
Syracuse Chilled Plow Co. (Steel Tray, Wood Frame), Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog" Steel Tray), Toledo, O.

Barrows (Ore)
Akron Cultivator Co., Akron, O.
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O (See adv. index, end of book)
ATLAS CAR & MFG. CO., THE, 1289 Marquette Rd., N. E., Cleveland, O. (See adv. index, end of book)
Focht's, Geo. Sons, Hoboken, N. J.
Kilbourne & Jacobs Mfg. Co. (Bolted), Columbus, O.
Ohio Ceramic Engineering Co. (Steel), Cleveland, O.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Syracuse Chilled Plow Co. (Steel Tray Tubular), Syracuse, N. Y.

Barrows (Packing House)
Ohio Ceramic Engineering Co., Cleveland, O.

Hendricks' Commercial Register

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Barrows (Pig Iron)

Akron Cultivator Co., Akron, O.
Kilbourne & Jacobs Mfg. Co. (Tubular Steel), Columbus, O.
Sidney Steel Scraper Co., Sidney, O.
Sterling Wheelbarrow Co., 82 Warren, New York
Syracuse Chilled Plow Co. (Steel Tray Tubular), Syracuse, N. Y.

Barrows (Steel)

Akron Cultivator Co., Akron, O.
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co, Bryan, O.
Connellsville Machine & Car Co., Connellsville, Pa.
Fairbanks Co., 186 Lafayette, New York
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Focht's, Geo. Sons, Hoboken, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co. (& Steel Tray), Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McWhinnie, Thomas (Steel Tray & Wheel), Poughkeepsie, N. Y.
MARSH COMPANY ("Haslup" Solid Pressed Steel Tray), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Ohio Ceramic Engineering Co. (Package, etc.), Cleveland, O.
Optenberg Iron Works Co., Sheboygan, Wis.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Pollock, Alex. Co., 203 West, New York
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Sidney Steel Scraper Co. (Solid Pressed Steel, Tray & Steel Tubular), Sidney, O.
Sterling Wheelbarrow Co. (All Steel, Roller Bearing Wheels), Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thomas, Geo. W. & Co., Toledo, O.
Toledo Steel Wheelbarrow Co., Toledo, O.
Union Iron Works, Hoboken, N. J.
Western Iron Works, 123 Beale, San Francisco, Cal.
White, Robert Engineering Works (Dumping), ft Columbia, Brooklyn, N. Y.

Barrows (Steel Tubular)

Akron Cultivator Co., Akron, O.
American Steel Scraper Co., Sidney, O.
Archer Iron Works Co., 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co., Bryan, O.
Consolidated Iron Works, Hoboken, N. J.
Fairbanks Co., 186 Lafayette, New York
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McWinnie Wheelbarrow Works, Poughkeepsie, N. Y.
Pollock, Alex. Co., 203 West, New York
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Sidney Steel Scraper Co., Sidney, O.
Sterling Wheelbarrow Co. (Roller Bearing Wheels), Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), To-Zering, H. Mfg. Co., Cincinnati, O. ledo, O.

Barrows (Stone)

Akron Cultivator Co., Akron, O.
Archer Iron Works Co. (Steel), 739 1st Nat'l Bank bldg, Chicago, Ill.
Bryan Mfg. Co., Bryan, O.
Kilbourne & Jacobs Mfg. Co. (Wood Wheels, also Steel Bottom), Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
McWhinnie, Thos., Poughkeepsie, N. Y.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Sidney Steel Scraper Co. (Steel Bottom), Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thomas, Geo W. & Co., Toledo, O.
Toledo Wheelbarrow Co., Toledo, O.

Barrows (Track)

American Track Barrow (& Cars "Pony" & "Dandy"), Lowell, Mass.
Railroad Supply Co., Old Colony bldg, Chicago, Ill.
Western Electric & Supply Co., St. Louis, Mo.

Barrows (Wood)

(See Wheelbarrows)

Bars (Aluminum)

(See Alloys, Aluminum)

Bars (Angle)

Colorado Fuel & Iron Co., Denver, Colo.
DONOVAN WIRE & IRON CO., Toledo, O. (See adv. index, end of book)
Illinois Steel Co., 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co. (Cold & Hot Rolled), Pittsburg, Pa.
Lackawanna Steel Co., Buffalo, N. Y., & 2 Rector, New York
Logan Iron & Steel Co., Philadelphia, Pa.
P. C. Works, Perth Amboy, N. J.
Republic Iron & Steel Co., Pittsburg, Pa.
SCAIFE, WM. B. & SONS CO., 211 1st av, Pittsburg, Pa. (See adv. index, end of book)

Bars (Arch)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa.
Pittsburg Forge & Iron Co., 1003 Penna. av, Pittsburg, Pa.

Bars (Boring)

(See also Cylinder Boring Machines)

Bullard Machine Tool Co. (Boring & Reaming), Bridgeport, Conn.
ELMES, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Hill Standard Mfg. Co., Anderson, Ind.
Krieger Tool & Mfg. Co. ("Krieger" Hollow Combination), 479 N Park, Chicago, Ill.
Seamless Tube Co. of America (Hollow Seamless Drawn Steel), Pittsburg, Pa.

Bars (Carpenters' Prying)

Johnson, W. (Hedenberg Works), Newark, N. J.

Bars (Claw)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., ft of Chapel, Newark, N. J.
Beall Bros. (Inc.) (With Heel & Goose Neck, etc.), Alton, Ill.
Evansville Tool Works (Railroad, etc.), Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 23d & Smallman, Pittsburg, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kalamazoo Rwy. Supply Co., Kalamazoo, Mich.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"). Works: Cheswick, Pa.
Plumb, Fayette R., Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Bars (Commutator)

(See also Commutators)

Billings & Spencer Co., Hartford, Conn.
Cameron, H. P. Elec. Mfg. Co., Ansonia, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Columbia Machine Works & Malleable Iron Co., 289 Chestnut, Brooklyn, N. Y.
Commutator Co., 121 N 1st av, N Minneapolis, Minn.
Eureka Tempered Copper Works, North East, Pa.
Forest City Electric Co., Cleveland, O.
Jefferson Brass Foundry, 209 King, Brooklyn, N. Y.
Keystone Drop Forge Works (Segments Drop Forged to Order), Chester, Pa.
Mansfield Tempered Copper Co., Mansfield, O.
Marshall, R. W. & Co., 50 Church, New York
Miamisburg Electric Co., Miamisburg, O.
PAGE-STORMS DROP FORGE CO. (Segments Drop Forged from Pure Unalloyed Copper), Chicopee, Mass. (See adv. index, end of book)
Rome Metal Works, Rome, N. Y.
VAN DORN ELECTRIC & MFG. CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Bars (Cylinder Boring)

(See Cylinder Boring Machines)

Bars (Digging)

Buckeye Mfg. Co., Canton, O.
Oliver Iron & Steel Co., Pittsburg, Pa.
Roberts, Geo., Pittsburg, Pa.
Stortz, John & Son, 210 Vine, Phila., Pa.

Bars (Draw)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Peacock's Iron Works, Selma, Ala.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.

Bars (Extension)

Grabler Mfg. Co., Cleveland, O.

Bars (Eye)

American Bridge Co., Penna bldg, Philadelphia, Pa., & 42 B'way New York
Cambria Steel Co., Arcade bldg, Phila., Pa.; Mills, Johnstown, Pa.
Carnegie Steel Co., Pittsburg, Pa.
Passaic Steel Co., Paterson, N. J.
Penna. Steel Co., Girard bldg, Phila., Pa.; Mills: Steelton, Pa.
Phoenix Iron Co. (Upset), 410 Walnut, Phila., Pa.; Mills: Phoenixville, Pa

Bars (Finger)

Cambria Steel Co. (Cold Rolled & Cold Drawn Steel), Arcade bldg, Phila., Pa.
Jones & Laughlin Steel Co. (Cold Rolled Mower & Reaper), Pittsburg, Pa.

Bars (Hop & Post)

Munnsville Plow Co., Munnsville, N. Y.

Bars (Interlocking Channel)

(See Piling, Interlocking Steel)

*Bars (Iron & Steel, Concrete Reinforcing)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Bars (Lining & Tamping)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co. ft Chapel, Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Buckeye Mfg. Co., Canton, O.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Evansville Tool Works, Evansville, Ind.
Handlan-Buck Mfg. Co. ("Jackson," "Hoxie"), 212 N 3d, St. Louis, Mo.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Meckel, Fred. L., 83 E 13th, Chicago, Ill.
New Castle Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Oshkosh Logging Tool Co., Oshkosh, Wis.

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Pittsburg Shovel Co., Frick bldg, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"); Works, Cheswick, Pa.
Plumb, Fayette, Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Stortz, John & Son, 210 Vine, Phila., Pa.
Union Drop Forge Co., 66 E Ohio, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Bars (Low Phosphorus Melting)

Samuel, Frank (Firm of) ("Howe" & "Samuels"), 1502 Market, Philadelphia, Pa.

Bars (Metal Transom)

See Metallic Sash Bars)

Bars (Mine Spike)

Pittsburg Tool & Drop Forge Co. ("Cheswick"); Works, Cheswick, Pa.

Bars (Pinch)

(See Car Movers or Pushers)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Braunsdorf-Mueller Co. (Bricklayers'), Elizabeth, N. J.
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co., 703 S. B'way, St. Louis, Mo.
Falls Mfg. Co., 12 Drumm, San Francisco, Cal.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick" Miners'); Works, Cheswick, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Sweet's Steel Co., Williamsport, Pa.
Verona Tool Works (Locomotive), Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warwood Tool Co. (Coal Miners, etc.), Wheeling, W. Va.
WEBSTER MFG. CO. ("Sheldon" & "Champion"), 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Bars (Quarry)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Sullivan Machinery Co., R'y Exch bldg, Chicago, Ill.

Bars (Shackle)

Atha Tool Co., Newark, N. J.
Verona Tool Works, Verona, Pa., & Murtland bldg., Pittsburg, Pa.

*Bars (Shaft)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Bars (Shutter)

Brass Goods Mfg. Co., Nevin c Union, Brooklyn, N. Y.
Hoeg, R. C. & Co., 11th & Catharine, Philadelphia, Pa.
Mallory, Wheeler Co., New Haven, Conn.
Norwalk Lock Co., S. Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Peters, Jas. & Son, (Fire Shutter Bars, Wrought Iron), 1934 N Front, Phila. Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Yale & Towne Mfg. Co., 9 Murray, New York

Bars (Splice)

(See also Rail Braces & Fastenings)

Cambria Steel Co. (Cold Rolled & Cold Drawn Steel), Arcade bldg, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Colorado Fuel & Iron Co., Denver Col.
Illionois Steel Co., Commercial B'k bldg, Chicago, Ill.
Interstate Iron & Steel Co., 1st Nat'l B'k bldg, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Knoxville Iron Co., Knoxville, Tenn.
Lackawanna Steel Co., Buffalo, N. Y.
Linton Rolling Mill Co., Linton, Ind.
Niagara Forged Steel Co. (Rail Braces), Buffalo, N. Y.; Works, Depew, N. Y.
Penn Iron Co. (Iron), Lancaster, Pa.
Pennsylvania Steel Co., Girard bldg, Phila., Pa.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Reading Iron Co., Reading, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Sellers Mfg. Co. (Iron; also Sansom Bars), 27 W Chicago av, Chicago, Ill.
Tredegar Co., Richmond, Va.

*Bars (Towel)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Bars (Transom)

(See Bars, Metal Transom)

Bars & Plates (Paper Mill)

Holyoke Bar Co., Holyoke, Mass.
Simonds, A. A. & Son Co., Dayton, O.

Barytes

(See also Carbonate of Barytes)

Commercial Mining & Milling Co., Knoxville, Tenn.
Davidson, Jas. H. (Inc.), 239 Front, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Gabriel & Schall (Sulphate & Carbonate), 205 Pearl, New York
Nulsen, Klein & Krausse Mfg. Co., St. Louis, Mo.
Osborn, Clarence J. (Broker, Miners), 284 Pearl, New York
Point Mining & Milling Co., St. Louis, Mo.; Mills: Mineral Point, Mo.
Rea, S. G. & Co. ("Polar Bear"), 68 Beaver, New York
Salomon, L. A. & Bro. (Sulphate & Carbonate), 216 Pearl, New York
Scheel, Wm. H., 159 Maiden la, New York
Tennant, C. Sons & Co., 76 William, New York
Whittaker, W. H., 245 Front, New York
Williams, Jno. T. & Son (Triple Floated), 27 William, New York

Base Ball Body Protectors

Goodrich, B. F. Co., Akron, O.

Bases (Battery Cut Out)

American Enamel Co., Providence, R. I.
Bogert & Hopper, 162 William, New York
Estes, E. B. & Sons, 74 Warren, New York
Klumpp's, J. G. Sons, 13 Baxter, New York
Rauscher, Jno., St. Paul, Minn.
Stiles, H. A. & Co., Boston, Mass.
Union Hardware Co., Torrington, Conn.

Bases (Cafe Table)

Bethlehem Foundry & Machine Co. (Cast Iron), Front, South Bethlehem, Pa., & 149 B'way, New York

Bases (Incandescent Lamp)

Bliss-Chester Co., Providence, R. I.
Bridgeport Brass Co., Bridgeport, Conn.
Bryant Electric Co., Bridgeport, Conn.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.
Providence Gas Burner Co., Providence, R. I.
Scovill Mfg. Co., Waterbury,, Conn.
Steel & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
White, J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

Bases (Iron)

Zimmermann, C. E. (For Wood Columns), Syracuse, N. Y.

*Bases (Post)

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Bases (Trolley)

Bayonet Trolley Harp Co., Springfield, O.
Detroit Trolley & Mfg. Co., Detroit, Mich.
Milloy Electric Co., Bucyrus, O.
NUTTALL, R. D. CO. ("Union"), Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
Pneumatic Railway Equipment Co., Cleveland, Ohio
Recording Fare Register Co. ("Kelsey"), New Haven, Conn.
Sterling-Meaker Co. ("Sterling" Roller Bearing), 420 Ogden av, Newark, N. J.
Trolley Supply Co. ("Peerless" Roller Bearing), Canton, O.
United States Electric Railway Supply Co., Detroit, Mich.
Wolfe Bros. & Dillingham, Denver, Colo.

Basins (Catch)

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Davison Foundry Co., East Chicago, Ind.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Duplex Mfg. & Supply Co., Cleveland, O.
Hartford Foundry Corporation ("Duplex"), Hartford, Conn.
Holbrook-Armstrong Iron Co., Racine, Wis.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co. (& Covers), 935 Addison rd, N E, Cleveland, O.
Pierce Supply Co., Am. Trust bldg, Cleveland, Ohio
Reinforced Concrete Pipe Co. (Reinforced Cement), Jackson, Mich.
Sessions Foundry Co., Bristol, Conn.
Van Camp Foundry & Machine Works, Decatur, Ill.
Wade Iron Sanitary Mfg. Co. ("Wade"), 42 E Harrison, Chicago, Ill.

*Baskets (Charging)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Baskets (Coke)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Baskets (Counter Display)

Hamblin & Russell Mfg. Co., Worcester, Mass.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Parker Wire Goods Co., Worcester, Mass.
Progressive Wire Goods Co., 529 Commerce, Philadelphia, Pa.
Wire Goods Co. (Wire), Worcester, Mass.

*Baskets (Dipping)

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO. (Steel & Brass Wire), Worcester, Mass. (See adv. index & branch offices, end of book)

*Baskets (Galvanized Iron Coke)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Baskets, Hampers & Touring Cases (Automobile)

Bailie Basket Co., 37 Harvard, Boston, Mass.
Boyle, John & Co., 114 Duane, New York
Buxton, B. W. Hamper Co. (Buxton), 7 Taylor, Springfield, Mass.
Chicago Willow & Rattan Works, Chicago, Ill.
Curado Willow Ware Co., Philadelphia, Pa.
Holbrook, A. & C. W., 74 N Main, Providence, R. I.
Keystone Willow Mfg. Co., Philadelphia, Pa.
Myers & Alexander ("Ever-dry"), 239 E 27th, New York
Post & Lester Co., Hartford, Conn.
Poughkeepsie Art Pulp Co., Poughkeepsie, N.Y.
Rumpp, C. F. & Sons (Luncheon Baskets), Philadelphia, Pa.
Williams Mfg. Co. (Ash or Rattan), Northampton, Mass.

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Baskets (Mill)

AMERICAN VULCANIZED FIBRE CO. ("Laminar" Dept.), Wilmington, Del. (See adv. index, end of book)
Ballou Mfg. Co., Belding, Mich.
Ballou, M. E. & Son, Becket, Mass.
Brown Bros. Co., Providence, R. I.
Burlington Basket Co. (Canvas), Burlington, Ia.
Crane Bros., Westfield, Mass.
DIAMOND STATE FIBRE CO. (Hard Fibre), Elsmere, Del. (See adv. index, end of book)
Holbrook Rawhide Co., Providence, R. I.
Hotchkiss Basket Co., Hinsdale, Mass.
Houghton, E. F. & Co., (Hand Split Oak), 240 Somerset, Phila. Pa.
Lane, W. T. & Bro., (Canvas & Steel Frame), Poughkeepsie, N. Y.
Leatheroid Mfg. Co., Kennebunk, Me.
Morris & Co., (Cotton Duck), Yardville, N. J.
Spaulding-Perkins Co. (Fibre), North Rochester, N. H.
Walrus Fibre Mfg. Co., Medford, Mass.
Williams Mfg. Co., (Bamboo or Oak, also Iron Strapped & Iron Wheels or Casters), Northampton, Mass.

Baskets (Rawhide)

Barlow, John W. Co., Lawrence, Mass.
Holbrook Rawhide Co., Providence, R. I.

Baskets (Sheet Steel)

Hall-Benedict Mfg. Co. ("Schoenheer"), Monticello, O.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
National Enameling & Stamping Co., 374 B'way, New York, & St. Louis, Mo.

Baskets (Waste Paper)

AMERICAN VULCANIZED FIBRE CO. (Fibre), Wilmington, Del. (See adv. index, end of book)
Andrews Wire & Iron Works (Wire), Rockford, Ill.
Architectural Iron & Wire Works, Wheeling, W. Va.
Barbee Wire & Iron Works (Wire), 44 Dearborn, Chicago, Ill.
Crane Bros. (Fibre), Westfield, Mass.
ESTEY WIRE WORKS (Wire), 59 Fulton, New York. (See adv. index, end of book)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heywood Bros. & Wakefield Co. (Willow), Gardner, Mass.
Progressive Wire Goods Co. (Wire), 529 Commerce, Phila., Pa.
Tatum, Sam'l C. Co. (Wire), Cincinnati, O.
Williams Mfg. Co. (Rattan, etc.), Northampton, Mass.
Wire Goods Co. (Wire), Worcester, Mass.

Baskets (Wire)

Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Batch Mixing Plants

Heyl & Patterson, Pittsburg, Pa.

Bath Cabinets (Thermal, Etc.)

Cabinet Mfg. Co., Quincy, Ill.
Feix & Goethel, Milwaukee, Wis.
Houchin, Thos. W. Co., 341 B'way, New York
Robinson Thermal Bath Co., 713 Jefferson, Toledo, O.
Toledo Cooker Co. ("Ideal" Vapor), Toledo, O.
World Mfg. Co., ("Quaker" Vapor), 505 Elm, Cincinnati, O.

Bath Room Fixtures (Plate Glass)

Anderson, Geo. H. & Co., 281 W Superior, Chicago, Ill.

Bath Room Fixtures & Furnishings

American Hardware Mfg. Co., Ottawa, Ill.
American Pin Co., Waterbury, Conn.
American Ring Co., Waterbury, Conn.
Anderson, Geo. H. & Co. (Plate Glass, Towel Bars, Shelves, etc.), 281 Superior, Chicago, Ill.
Badger Brass Mfg. Co., Kenosha, Wis.
Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barrett, Jas. Mfg. Co., 215 Franklin, Boston, Mass.
Behrer & Co., 69 Beekman, New York
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Blessing, C. A., 518 Montgomery Ave., Philadelphia, Pa.
Boston Mirror Co. (Mirrors, Glass Shelves), etc.), 67 Sudbury, Boston, Mass.
Brooks, M. S. & Son (Three Arm), Chester, Conn.
Buffalo Mfg. Co. (Soap & Sponge Holders, Towel Racks, etc.), 1444 Niagara, Buffalo, N. Y.
Buffalo Specialty Mfg. Co., (Adjustable Seats), Buffalo, N. Y.
Cantalip Bath Tub Appliance Co. ("Cantalip" Mats), 56 Pine, New York
Chambers & Co., 2 Commercial, Newark, N. J.
Clarke, Robert, 100 Schermerhorn, Brooklyn, N. Y.
Climax Specialty Co., Seneca Falls, N. Y.
Clow, Jas. B & Sons, 344 Franklin, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Cooper, W. S. Brass Works, 437 N 12th, Philadelphia, Pa.
Dalton-Ingersoll Mfg. Co., 171 High, Boston, Mass.
Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Sanitary Supply Co., Detroit, Mich.
Diamond Mfg. Co., Detroit, Mich.
Edwardsville Brass Co. (Soap, Cups, Tumbler-Holders, Comb & Brush Trays, Bath Seats, etc.), Edwardsville, Ill.
Eustis, J. P. Mfg. Co., 92 North, Boston, Mass.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Feix & Goethel, 818 Winnebago, Milwaukee, Wis.
Forsyth Mfg. Co. (Towel Bars, Tumbler Holder, Comb & Brush Shelf, Soap Tray, etc.), Buffalo, N. Y.
Frank & De Keyser (Hotel Supplies), 173 Fulton, New York
Haines, Jones & Cadbury Co., 1180 Ridge av Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Haydenville Co., Haydenville, Mass.
Heap, Wm. & Sons, Grand Haven, Mich.
Hess, Chas. Co. (Mfrs. Agents for all kinds, Exporters only), 129 Front, New York
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Ideal Mfg. Co., Detroit, Mich.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Kleinert, I. B. Rubber Co. (Bath Curtains), 725 B'way, New York
Knott-Van Arnam Mfg. Co., Fort Wayne, Ind.
Kokomo Brass Works (Byrne & Ryan, Chicago, Owners), Kokomo, Ind.
McCambridge & Co., Philadelphia, Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
Manhattan Brass Co., 338 E 28th, New York
Manhattan Electrical Supply Co., 17 Park pl., New York, & 188 5th av, Chicago, Ill.
Manning, Bowman & Co., Meriden, Conn.
Merrie, Hugh, 226 E. 9th, Cincinnati, O.
Meyer-Sniffen Co. (Ltd.), 5 E 19th, New York
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mott, J. L. Iron Works, 118 5th av, New York
Murdock Mfg. & Supply Co., Cincinnati, O.
National Supply Co., Toledo, O.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Newell Brass Mfg. Co., 445 N Broad, Phila., Pa.
Novelty Mfg. Co. (Trimmings, Soap Dishes, Racks, etc.), Waterbury, Conn.
Ohio Brass & Iron Mfg. Co., 1199 Franklin av, Cleveland, O.
Park & McKay Co., Detroit, Mich.
Parker, Chas. Co., Meriden, Conn.
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Perine Bath Room Specialty Co., 11 E 22d, New York
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass.; Works Asbestine, Va
Pittsburg Lamp, Brass & Glass Co., Allegheny, Pa.
Regester, J. & Sons Co., Baltimore, Md.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sanitary Co., Cleveland, O.
Sargent & Co., New Haven, Conn.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Smith, E. C. Mfg. Co., 224 Washington, Chicago, Ill.
Smith & Anthony Co., 48 Union, Boston, Mass.
Specialty Mfg. Co., Milwaukee, Wis.
Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Standard Sanitary Mfg. Co., Bessemer bldg., Pittsburg, Pa.
Stebbings, E. Mfg. Co., Springfield, Mass.
Sternau, S. & Co., 195 Plymouth, Brooklyn, N. Y.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Sweeney, W. H. Mfg. Co. (Soap Dishes, Towel Bars, Brush & Tumbler Holders, etc.), 66 Water, Brooklyn, N. Y.
Syracuse Faucet & Valve Co., Syracuse, N. Y.
Taylor, Geo., 97 Cliff, New York
Thomas Brass and Iron Co., Waukegan, Ill.
Troy Nickel Works, Jno. E. Gaitley, Prop. (Revolving Towel Rack, etc.), Albany, N. Y.
Trenton Brass & Machine Co., Trenton, N. J.
United Brass Mfg. Co., Cleveland, O.
Van Houten, E. J. S. (Glassware & China), 74 Park pl., New York
Victor Excelsior Brass Works, 128 White, New York
Walterscheid Machinery & Supply Co., Wichita, Kans.
Waterbury Mfg. Co. (Bath Sprays, etc.), Waterbury, Conn.
Webb, F. W. Mfg. Co., 50 Elm, Boston, Mass.
West Mfg. Co., Columbus, O.
Wolff, L. Mfg. Co., 117 W. Lake, Chicago, Ill.
Wolverine Brass Works (Towel Bars, Soap Cups, etc.), Grand Rapids, Mich.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Bath Tub Enamels

(See Enamels, Bath Tub)

Bath Tubs (Ceramic)

(See Bath Tubs, Porcelain)

*Bath Tubs (Concrete)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Bath Tubs (Copper)

(See also Boilers, Copper Range)

Blessing, C. A. 516 Montgomery av, Phila., Pa.
Day Metallic Mfg. Co., 176 Jones, Detroit Mich.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Jochum, Andrew, 148 E. 50th, New York
Leclair Mfg. Co., Edwardsville, Ill.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Ronalds & Johnson Co., 43 Boerum pl, Brooklyn, N. Y., & 54 Cliff, New York.
Rumsey, L. M. Mfg. Co., 812 N 2nd, St. Louis, Mo.
Seestedt Bros. Mfg. Co., Romulus, Mich.
Swain Mfg. Co., 7th & Morris, Phila., Pa.
Trageser, John Steam Copper Works, 427 W 26th, New York.
Walker Mfg. & Supply Co., Detroit, Mich.

Bath Tubs (Enameled Iron)

Barnes Mfg. Co., Mansfield, O.
Cahill Iron Works, Chattanooga, Tenn.
Colwell Lead Co., 109 Lafayette, New York
Day-Ward Co., Warren, O.
Humphryes Mfg. Co., Mansfield, O.
Iron City Sanitary Mfg. Co., 18 Wood, Pittsburg, Pa. Works, Zelienople, Pa.
Kohler's, J. M. Sons Co., Sheboygan, Wis.
Limberg Foundry & Enameling Works, Florence rd, Cincinnati, O.
Lipp, Louis Co., Winton pl, Cincinnati, O.
McCrum-Howell Co., 103 Park av, New York
McVay & Walker, Braddock, Pa.
Mott, J. L. Iron Works, 118 5th av, New York
National Sanitary Mfg. Co., Salem, O.
Rundle Mfg. Co., Milwaukee, Wis.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
STEIN, HENRY, 48 Cliff, N. Y. (See adv. index, end of book.)
Stuart & Peterson Co., Burlington, N. J.
United States Sanitary Mfg. Co., Arrott bldg., Pittsburg, Pa., & Monaca, Pa.
Weiskittle, Anton & Son, Washington & Alleganna, Baltimore, Md.
Wheeling Enameled Iron Co. ("Porceliron"), Wheeling, W. Va.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Bath Tubs (Folding)

Davol Rubber Co. ("Robinson" Rubber), Providence, R. I.
Folding Bath Tub Co., Marshall, Mich.

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Bath Tubs (Galvanized Steel Enameled)

Walker Mfg. & Supply Co., Detroit, Mich.

Bath Tubs (Infants')

Central Stamping Co., 174 Fulton, New York
Geuder & Paeschke & Frey Co. (Galvanized, Japanned & Enameled Sheet Iron), Milwaukee, Wis.

Bath Tubs (Porcelain)

American Porcelain Co., New Brighton, Pa.
Brian Pottery Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
Mott, J. L. Iron Works, 118 5th av, New York
Perth Amboy Ceramic Co., Perth Amboy, N. J.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co., Trenton, N. J. N. J.

Bath Tubs (Sheet Steel)

Day Metallic Co. (And Steel Clad), Detroit, Mich.
FRIEDLEY - VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. index, end of book)
Lochaire Mfg. Co. ("& Steel Clad"), Edwardsville, Ill.
Pressed Steel Sanitary Mfg. Co. (Pressed Steel Rolled Rim), Detroit, Mich.
Seamless Steel Bathtub Co., Mount Elliot & Harper av, Detroit, Mich.
Trageser's, Jno., Steam Copper Works, 447 W 26th, New York
Walker Mfg. & Supply Co., Detroit, Mich.

Bath Tubs (Slate)

(See Laundry Tubs, Slate)

Bath Tubs (Tin)

Dover Stamping & Mfg. Co. ("Enameled White Inside"), Cambridge, Mass.

Baths (Needle & Shower)

Adee, Fred & Co., 44 Cliff, New York
Cooper, W. S. Brass Works, Phila., Pa.
Clow, Jas. B. & Sons, 342 Franklin, Chicago, Ill.
Dalton-Ingersoll Mfg. Co., Boston, Mass.
Edwardsville Brass Co., Edwardsville, Ill.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
McElraevy & Hauck (Enameled Iron & Solid Porcelain Nickle Plated Shower), 440 Broadway, Brooklyn, N. Y.
Mayor, Lane & Co., 128 White, New York
Meyer-Sniffen Co. (Ltd.), 11 W 36th, New York
Mott, J. L. Iron Works, 118 5th av, New York
Newell Brass Mfg. Co., 445 N Broad, Phila., Pa.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Sanitary Company ("Paragon"), Cleveland, O.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
Street & Kent Mfg. Co., 41 Fulton, Chicago.
Taylor, Geo., 97 Cliff, New York Ill.
Victor Excelsior Brass Works, 128 White, New York
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Baths (Plunge & Shower for Ships)

Dalton-Ingersoll Co., Boston, Mass.

Baths (Portable Shower)

Chicago Shower Mfg. Co., 185 Dearborn, Chicago, Ill.
Cline, L. Mfg. Co., 1239 Wabash av, Chicago, Ill.
Mitchell & Van Meter Co. ("Cascade"), Linfield, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

Batteries (Automobile)

(See Batteries, Dry; also Batteries, Storage)

Batteries (Blasting)

(See also Blasting Fuse, Caps, Etc.)

Alpha Battery Co., 26 Cortlandt, New York
DU PONT, E. I., de NEMOURS POWder Co. ("Smith"), Wilmington, Del. (See adv. index & branch offices, end of book)
Macbeth Fuse Works ("Victor," "Pull-Up," "U. S. Standard"), Pompton Lake, N. J.
Star Electric Fuse Works ("Lilliput," "Push-Down"), Wilkesbarre,, Pa.

Batteries (Closed Circuit)

(See Batteries, Open & Closed Circuit)

Batteries (Dry)

A. D. L. Auto Cell Co., 106 W 30th, New York
Allen, D. H. & Co., Miamisburg, O.
American Carbon & Battery Co., East St. Louis, Ill.
American Electrical Novelty & Mfg Co. ("Ever Ready"), 304 Hudson, New York
American Endoscapic Co., Providence, R. I.
American Telephone Co., 64th & State, Chicago, Ill.
Ampere Mfg. Co., 42 B'way, New York.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
BUNNELL, J. H. & CO. ("Jove," "Standard," "Mascot" & "Best"), Park pl. & Church, New York. (See adv. index, end of book)

SEND ORDERS

FOR

"JOVE"

(Best) Dry Batteries

Annunciators
Burglar Alarms
Condensers
Construction Tools
Fire Alarm Boxes
Telegraph Apparatus
Track Relays, Etc.

To J. H.

BUNNELL

& CO.,

Park Place and Church St. NEW YORK

GET CATALOG DEPT. H.

Burnley Battery & Mfg. Co. ("Burnley"), North East, Pa.
Cary, Edw. E. Co., 59 Park pl, New York.
Central Telephone & Electric Co., St. Louis, Mo.
Chloride of Silver Dry Cell Battery Co., Baltimore, Md.
Commercial Electrical Supply Co. ("Commercial"), St. Louis, Mo.
Cracraft, Leich Electric Co. ("Eureka"), Genoa, Ill.
Crown Battery Co., 192 S boul, New York
Delta Mfg. Co., Bloomfield, N. J.
Eastern Carbon Works ("Hercules," "High Grade," "Gas Engine," "Atlantic"), Jersey City, N. J.
Electric Appliance Co., Burlington, Kan.
Electric Goods Mfg. Co. ("Sammon," Semi-Dry), Boston, Mass.
Electric Mfg. Co. ("Emco" Sealed), St. Paul, Minn.
Elkhart Dry Battery Co., Elkhart, Ind.
Empire State Dry Battery Co. ("Red-Star," "White-Star"), 55 Dey, New York
Excelsior Supply Co. ("Xler"), 233 Randolph, Chicago, Ill.
Fletcher-Stanley Co., 32 Franklin, New York
Franco-American Elec. Novelty Co., 111 Chambers, New York
French Battery & Carbon Co. ("Fleur-de-Lis"), Madison, Wis.
Geen Electrical Mfg. Co. ("Superior"), 180 E Lake, Chicago, Ill.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Heinrich Electrical Novelty Co., 191½ Fulton, New York
Hirliman, C. J., 17 Laight, New York
Hite Electric Co., 307 S 2nd, Phila., Pa.
Holtzer-Cabot Electric Co., Brookline, Mass.
Hubbs-Neer Electrical Mfg. Co. ("20th Century"), Butler, O.
Irish, W. F., Electric Co. ("Shamrock," "Emerald"), 60 Cortlandt, New York
Keystone Elec. Telephone Co., Pittsburg, Pa.
Lincoln Electric Co. ("Enburo," "Hi-Po") Union sq, New York
Long Distance Telephone Mfg Co., South Bend, Ind.
Lutz-Lockwood Mfg. Co. ("O-K," "S-X"), 39 Cortlandt, New York
Manhattan Electric Supply Co. ("Red Seal" & "Mesco"), 17 Park pl., New York
Mystic Electric Gas Lighter Co., 119 Bible House, New York
National Carbon Co. ("Columbia," "Red Top," "Stand-By," "Globe"), Cleveland, O.
North Electric Co. ("Cannon Cracker"), Cleveland, O.
Nungesser Electric Battery Co. ("Acme," "1900," "Rapid Fire," "Ignio"), Cleveland, Ohio
Electric Works, Cleveland, O. Ohio
Reykal Electric Co., 143 Liberty, New York
Roche, Wm. ("Blue Ribbon," "Autogas," "New Standard"), Jersey City, N. J.
Rock Island Battery Co., Cincinnati, O.
Royal Battery Co. ("Geecee" Ignition), 108 Duane, New York
Semi-Dry Battery Co. ("Dunn"), Harrison, N. J.
Sibley & Pitman ("Climax" Auto Cells for Automobile & Gas Engine Ignition), 26 Warren, New York
Stackpole Battery Co., ("Elk," "Autocrat," "Radium," "Hello," "Wizard," "Sun"), St. Marys, Pa.
Standard Sheet Metal Co. ("Rayflex" Standard Dry Cell for Automobiles, Gas Engines, Motor Boats, etc.), Passaic, N. J.
Stanley & Patterson ("Exerter," "Matchless"), 23 Murray, New York
Star Electric Co., Niles, O.
Tardie, Emil J., 221 6th av, New York
United Electrical Mfg. Co. ("Crescent"), 1 B'way, New York
Universal Novelty Co. ("Universal"), 163 W 29th, New York
Vallee, Garrett A. & Co. ("Ajax"), 36 N 6th, Phila., Pa.
Voltamp Electric Mfg. Co., Baltimore, Md.
Wappler Electric Controller Co., 177 E 87th, New York
Waterbury Battery Co. ("Gee Whiz"), Waterbury, Conn.
Wesco Supply Co. ("Red Shield"), St. Louis, Mo.
West Coast Mfg. Co. ("Sunset"), San Francisco, Cal.
Westchester Appliance Co., Yonkers, N. Y.
Western Electric Co. ("999," "Pony," "Liberty," "Blue Bell"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm, H. Battery Co. ("Helm"), 70 Frost, Brooklyn, N. Y.

*Batteries (Ignition)

DELTA MFG. CO., Bloomfield, N. J.

Batteries (Medical)

(And Electro Medical Apparatus)

Birtman, C. F. Co., 152 Lake, Chicago, Ill.
BUNNELL, J. H. & CO. ("No.-4-D-D," "No. 6," "Milford," "Auto Kure"), Park pl. & Church, New York. (See adv. index, end of book)
Chloride of Silver Dry Cell Battery Co., Baltimore, Md.
Detroit Medical Battery Co., Detroit Mich.
Electro Therapeutic Mfg. Co., Indianapolis, Ind.
Flemming, Otto, 1025 Arch, Phila., Pa.
Ford, W. F. & Co., 425 5th av, New York
Gorman Electric Co., St. Paul, Minn.
Hite Electric Co., 307 S 2d, Phila., Pa.

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International Instrument Co., Cambridge, Mass.
Jones & Gross Electric Co. ("Meteor"), 62 Vesey, New York
Kendrick & Davis ("Sparker"), Lebanon, N. H.
Keystone Electric Co., 135 S 10th, Phila., Pa.
Kidder, Jerome Mfg. Co., 70 Bible House, New York
Knapp Elec. & Novelty Co. ("Verilife," "Electrohits"), 511 W 51st, New York
McElliott, D. P., 78 State, Chicago, Ill.
McIntosh Battery & Optical Co., 227 E Washington, Chicago, Ill.
Manhattan Electrical Supply Co. ("Home," "Anti-Doc"), 17 Park pl, New York
Manufacturers & Investors Electric Co., 82 Nassau, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Meyer, Wm. Co., 56 5th av, Chicago, Ill.
Meyrowitz Mfg Co. ("Vetter"), 104 E 23rd, New York
Ohio Electric Works, Cleveland, O.
Ostrander, W. R. & Co., 22 Dey, New York
Partrick, Carter & Wilkins Co., 22nd & Wood, Phila., Pa.
Pignolet, Louis M., 78 Cortlandt, New York
Pullen, Leon W. Co., 618 Chestnut, Phila., Pa.
Scheidel-Western X Ray Coil Co., 199 Madison, Chicago, Ill.
Shoenberg, Milton H., San Francisco, Cal.
Stanley & Patterson ("Electrotonic," "Vetter"), 23 Murray, New York
Tardie, E. J., 221 6th av, New York
Ullery, J. E. & Co., 4107 Cottage Grove av, Chicago, Ill.
Van Houten & Ten Broeck, 214 E 23rd, New York
Voltamp Elec. Mfg Co., Baltimore, Md.
Wagner, R. V. & Co., 140 Wabash av, Chicago, Ill.
Waite & Bartlett Mfg. Co., 113 W 31st, New York
Wappler Elec. Controller Co., 177 E 87th, New York
Williams, E. Q., Syracuse, N. Y.
Williams, Brown & Earle (Massey Controller), 918 Chestnut, Phila., Pa.

Batteries (Open & Closed Circuit)

(Open & Closed Circuit Wet Batteries)

American Carbon & Battery Co. ("Phoenix"), East St. Louis, Ill.
Battery Supplies Co. ("Gladstone-Lalande," "B. S. C. O."), Newark, N. J.
BUNNELL, J. H. & CO. ("Microphone"), Park pl. & Church, New York (See adv. index, end of book)
Burn-Boston Battery & Mfg. Co., Boston, Mass.
Clark & Mills Elec. Co. ("Excello"), Boston, Mass.
Delta Mfg. Co. ("Delta"), Bloomfield, N. J.
Eastern Carbon Works, Jersey City, N. J.
Edison Mfg. Co., 10 5th av, New York
Electric Goods Mfg Co. ("Samson," "Nomas"), Boston, Mass.
Gordon Battery Co. ("London," "Law"), Aldene-Roselle, N. J.
Hirlimann, Chas. J. ("Champion," "O. K."), 17 Laight, New York
Hite Electric Co., 307 S 2nd, Phila., Pa.
Jonas Battery Co. (Dry), Toledo, O.
Manhattan Electrical Supply Co., 17 Park Pl., New York
Muller, Albert ("Porox"), 145 W 49th, New York
National Carbon Co. ("Duplex," "Klondike," "Columbia"), Cleveland, O.
Nungesser Electric Battery Co. (Chloride of Silver), King av, N E, Cleveland, O.
Partrick, Carter & Wilkins Co., 22nd & Wood, Phila., Pa.
Pullen, Leon W. Electric Co., 618 Chestnut, Phila., Pa.
Rhode Island Telephone & Electric Co., Providence, R. I.
Stanley & Patterson ("Gold Medal" & "Faraday"), 23 Murray, New York
Van Houten & Ten Broeck (Fitch), 214 E 23d, New York
Waterbury Battery Co. ("Victor," "Excelsior," "Schoenmehl"), Waterbury, Conn.
Western Electric Co. ("Weco"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
White, S. S. Dental Mfg. Co. ("Partz"), 1130 Chestnut, Phila., Pa.

Batteries (Stamp)

(See Mills, Stamp)

Batteries (Storage)

American Battery Co. ("Invincible"), 172 S Clinton, Chicago, Ill.
American Storage Battery Co. ("Eckstromer"), Boston, Mass.
Battery Co., Milwaukee, Wis.
Champion, Albert Co. ("B. G. S.," Imported), Boston, Mass.
Chicago Battery Co. ("Duro"), 1255 Michigan av, Chicago, Ill.
Churcher Elec. & Mfg. Co., Cincinnati, O.
Commercial Battery Elec. Co. ("Combat"), 204 Michigan av, Chicago, Ill.
Constantine & Ludlam, 69 Beekman, New York
Dayton Electrical Mfg. Co. ("Apple"), Dayton, Ohio
Dayton Mfg. Co.. ("Silver"), Dayton, O.
Decker Electrical Mfg. Co., Bullitt Bldg, Phila., Pa.
Domestic Electric Equipment Co., 503 W 44th, New York
Eastern Battery Co., Pawtucket, R. I.
Edison Storage Battery Co. ("Edison"), Orange, N. J.
Electric Storage Battery Co. ("Exide," "Chloride" & "Tudor Accumulator"), 19th & Allegheny av, Phila., Pa.
Electric Supply & Battery Co., Cleveland, O.
Electric Supply & Storage Battery Co., Columbus, O.
Evansville Battery & Electrical Co. ("Porter"), Evansville, Ind.
Excelsior Supply Co. ("X. L. C. R."), 233 Randolph, Chicago, Ill.
Geiszler Bros., 514 W 57th, New York
Geen Electrical Mfg. Co. ("Genco"), 180 E Lake, Chicago, Ill.
General Accumulator & Battery Co. ("Radium"), Milwaukee, Wis.
General Storage Battery Co. ("Bijour" High Duty), 42 B'way, New York
Gould Storage Battery Co., 345 5th av, New York
Haschke Storage Battery Co., 271 Michigan av, Chicago, Ill.
Heinrich Electrical Novelty Co., 192½ Fulton, Brooklyn, N. Y.
Helios Mfg. Co. ("Morrison"), Garden nr Brill, Bridesburg, Phila., Pa.
Hoosier Storage Battery Co. ("Fire-Fly"), Evansville, Ind.
Imperial Storage Battery Co., Quincy, Mass.
Ironsides Battery Co., Cold Spring, N. Y.
Knowles, C. S. ("Speed"), Boston, Mass.
Look Electric Co., 1545 Michigan av, Chicago, Ill.
Mac Rae, Hector O. ("Champion"), Baltimore, Md.
Michigan Storage Battery Co., Detroit, Mich.
Miller Signal Co. ("Bestogo"), Monadnock Bldg, Chicago, Ill.
Mound City Battery Co., St. Louis, Mo.
Muller Albert ("Porox"), 145 W 49th, New York
National Battery Co. ("National," "Sperry," "Unit"), Buffalo, N. Y.
New England Motor Co. ("Rex"), Lowell, Mass.
Northwestern Storage Battery Co., Milwaukee, Wis.
Phila. Storage Battery Co. (For Commercial & Pleasure Vehicles), Emerald & Tioga, Phila., Pa.
Radio Battery Co., 43 Exchange pl, New York
R. I. Electromobile Co., 32 Fountain, Providence, R. I.
Royal Battery Co. ("Geecee"), 108 Duane, New York
Schug Elec. Mfg. Co., Detroit, Mich.
Signalphone Alarm Co., Milwaukee, Wis.
Standard Electric Accumulator Co. ("Clare"), 141 B'way, New York
Storage Battery Supply Co., 239 E 27th, New York
Syracuse Storage Battery Co., Syracuse, N. Y.
Toledo Storage & Battery Co. ("Miller"), Toledo, O.
Tray Plate Battery Co., Binghamton, N. Y.
United States Battery Co., New Rochelle, N. Y.
Universal Electric Storage Battery Co. ("Morrison"), 108 La Salle, Chicago, Ill.
Vesta Accumulator Co., 1836 Michigan av, Chicago, Ill.
Vivax Storage Battery Co., 2224 Michigan av, Chicago, Ill.
Weisenborn Elec. Co. ("Ohio"), Dayton, O.
Western Storage Battery Co. ("Pumpetty"), Indianapolis, Ind.
WESTINGHOUSE MACHINE CO., Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)
White City Electric Co., 377 Dearborn, Chicago, Ill.
Willard Storage Battery Co., Cleveland, O.
Witherbee Igniter Co., 1876 B'way, New York
Witherbee, Thos. S. ("Wright-Witherbee"), 433 W 42d, New York
Zoar Battery Co. (Stationary & Portable Ignition), Zoar, O.

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

Batteries (Storage, Electric Railway)

(See Batteries, Storage)

Battery Accessories

NATIONAL ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
Storage Battery Supply Co. (Of All Kinds), 239 E 27th, New York

*Battery Chargers

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Battery Chemicals

American Electrical Works ("Crescent"), Phila., Pa.
Barrett, M. L. & Co. (Sal-Ammoniac Only), 219 Lake, Chicago, Ill.
Butterworth-Judson Co. (Blue Vitriol), New ark, N. J.
Cary, Edw. E. Co. (Importers), 59 Park pl, New York
Cochrane Chemical Co. ('Blue Vitriol), Boston, Mass.
Contact Process Co., Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Eimer & Amend, 18th & 3d av, New York
Fergusson Bros. (Blue Vitriol), 109 Chestnut, Philadelphia, Pa.
French Battery & Carbon Co. (Importers), Madison, Wis.
General Chemical Co., 25 Broad, New York
Globe Chemical Co., Cincinnati, O.
Grasselli Chemical Co. (Blue Vitriol), Cleveland, O., & 63 Wall, New York
Harding & Fancourt, 255 N Front, Phila., Pa.
Harshaw Fuller & Goodwin Co., Cleveland, O.
Innis, Speiden & Co. (Blue Vitriol, 46 Cliff, New York
Joeck, Hector O., 215 Russell, Brooklyn, N. Y.
Kalbfleisch, Franklin H. Co., B'way & 16th, New York
Klipstein, A. & Co., 122 Pearl, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., 8th & University pl, New York
Nichols Copper Co. (Blue Vitriol), 25 Broad, New York
Penna. Salt Mfg. Co. (Blue Vitriol), 115 Chestnut, Phila., Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Phila., Pa.
Sholes, Chas. E. Co., 164 Front, New York
Toch Bros., 320 5th av, New York
Western Chemical Mfg. Co., Denver, Colo.
Zucker, Levett & Loeb Co., 516 W 25th, New York

Battery Coppers

Beattie Zinc Works Co., Reading, Mass.
Bryant Zinc Co., 158 W Van Buren, Chicago, Ill.
Edes Mfg. Co., Plymouth, Mass.
Fox, Jno. M. & Co., Portland, Me.
Grasselli Chemical Co., Cleveland, O., & 60 Wall, New York
MERCHANT & EVANS CO. (Inc.) (Jobbers), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Pearce, Fred'k Co., 20 Rose, New York
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

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Battery Jars

American Hard Rubber Co., 9 Mercer, New York
Brookfield Glass Co. (Glass), 220 B'way, New York
Canton Glass Co., Marion, Ind.
Consumers' Rubber Co. ("Euclid," Hard Rubber), Cleveland, O.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Gayner Glass Works, Salem, N. J.
Gillinder & Sons, Inc. (Glass), 135 Oxford, Phila., Pa.
Hemingray Glass Co., Covington, Ky.
Illinois Glass Co., St. Louis, Mo.
Luzerne Rubber Co., Trenton, N. J.
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Morgan & Wright (Hard Rubber), Detroit, Mich.
RODEFER, T. A., Bellaire, O. (See adv. index, end of book)
Salem Glass Works, Salem, N. J.
Stokes, Jos. Rubber Co. (Hard Rubber), Trenton, N. J.
United States Glass Mfg. Co., Pittsburg, Pa.
Vulcanized Rubber Co., 488 B'way, New York
Whitall, Tatum Co., 410 Race, Phila., Pa.
Whitney Glass Works, 227 S Front, Phila., Pa.

Battery Zincs

Beattie Zinc Works Co., Reading, Mass.
Brady Brass Co., Jersey City, N. J.
Bryant Mfg. Co. (All Patterns), 21 Ontario, Chicago, Ill.
Bryant Zinc Co., 158 W Van Buren, Chicago, Ill.
Edes Mfg. Co., Plymouth, Mass.
Grasselli Chemical Co. ("Franklin"), Cleveland, O., & 60 Wall, New York
Matthiessen & Hegeler Zinc Co. ("Leclanche" Battery Bars), La Salle, Ill.
Pacific Metal Works, San Francisco, Cal.
Pearce, Fred'k Co., 20 Rose, New York
Phillips, E. & Sons, South Hanover, Mass.
Prescott, J. B. & Son, Webster, Mass.
Railroad Supply Co., 215 Dearborn, Chicago, Ill.
Slack, Ben. F. Brass Mfg. Co., Denver, Colo.
Waterbury Battery Co., Waterbury, Conn.
Western Electric Co., 259 S Clinton, Chicago, Ill, & 57 Bethune, New York

Bauxite

National Bauxite Co., Rome, Ga.
Republic Mining & Mfg. Co., Harrison bldg, Phila., Pa.

*Beads (Picture Moulding)

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

*Beads (Plasterers' Ground)

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

*Beads (Wainscot)

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

Beams (Steel Plow)

(See Plow Beams, Steel)

*Bearing Parts (Roller)

NATIONAL - ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)

Bearings (Anti-Friction)

(See Babbitt Metal; also Bearings, Various Kinds; also Brasses, Car & Engine)

Bearings (Ball)

(See also Balls, Steel; also Bearings, Roller)

American Ball Bearing Co., Cleveland, O.
American Ball Co., Providence, R. I.
Auburn Ball Bearing Co., Rochester, N. Y.
Baltimore Ball Bearing Co., Calvert bldg, Baltimore, Md.
Bantam Anti-Friction Co., Bantam, Conn.
Boston Gear Works (Thrust Collar, etc.), Norfolk Downs, Mass.
Bown Roller Bearing Co., Dayton, O.
Bretz, J. S. Co. ("F. & S."), Times bldg, New York
Camel Co. ("Hartman" Center Plate & Side for Cars), Old Colony bldg, Chicago, Ill.
Chapman Double Ball Bearing Co. of America, (Double, for Shafting, etc.), 136 Liberty, New York
Garford Co., Elyria, O.
Guiun Ball Bearing Co., 361 North, Baltimore, Md.
Hess-Bright Mfg. Co., 19th & Hamilton, Philadelphia, Pa.
Johnson & Sharp Mfg. Co., (Hollow Steel), Ottumwa, Ia.
KNOWLTON, M. D. CO. (Thrust), Rochester, N. Y. (See adv. index & branch offices, end of book)
Mark Mfg. Co., Evanston, Ill.
New Departure Mfg. Co. ("Two-In-One"), Bristol, Conn.
Pressed Steel Mfg. Co. ("Knipe's"), The Bourse, Phila., Pa.
Parks Ball Bearing Machine Co. (For Machinery), Cincinnati, O.
Rivett Lathe & Bearing Co. ("Rivett"), Brighton, Boston, Mass.
Sartus Ball Bearing Co., 155 Spring, New York
Standard Roller Bearing Co., (Thrust, etc.), 50th & Lancaster, Phila., Pa
Symington, T. H. Co. ("Baltimore"), Baltimore, Md
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Bearings (Bronze Metal)

Damascus Bronze Co. ("Damascus"), Allegheny, Pa.
Eureka Tempered Copper Wks., North East, Pa.
Graphite Lubricating Co., Boundbrook, N. J.
LAWRENCEVILLE BRONZE CO., 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)
Long & Stillman, 149 B'way, New York
LUMEN BEARING CO., Buffalo, New York. (See adv. index, end of book)
NORTH AMERICAN METALINE CO., 4 West av, Long Island City, N. Y. (See adv. index, end of book)
Pittsburg White Metal Co., Pittsburg, Pa.
Reeves, P. S. & Son, 1415 Catharine, Phila., Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Bearings (Car Journal)

(See Bearings, Journal)

Bearings (Electrical)

(See Bearings, Electrical, Motor, Etc.)

Bearings (Electrical, Motor, Etc.)

American Glyco Metal Co. ("Glyco"), 18 Milwaukee, Wis.
Brady Brass Co., Jersey City, N. J.
Central Union Brass Co., St. Louis, Mo.
Columbia Machine Works & Malleable Iron Co. (For Armatures, etc.), 269 Chestnut, Brooklyn, N. Y.
Curtis Motor Truck Co. ("Curtis," Truck Journal), Decatur, Ill.
Electric Railway Equipment Co., Cincinnati, O.
Electric Traction Supply Co., St. Louis, Mo.
Eureka Tempered Copper Works, North East, Pa.
Frictionless Metal Co., Chattanooga, Tenn.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See dex & branch offices, end of book)
Graphite Lubricating Co. (Graphite), Boundbrook, N. J.
Holmes Fibre Graphite Mfg. Co., 5155 Wakefield, Gtn, Phila., Pa.
Long & Stillman, 149 B'way, New York
LUMEN BEARING CO. ("Lumen," Bronze), Buffalo, N. Y. (See adv. index, end of book)
Magnus Metal Co. (Armature, Motor, etc.), 111 B'way, New York
More-Jones Brass & Metal Co. ("Tiger," "Artic," "Pullman"), St. Louis, Mo.
Muzzy-Lyon Co., Detroit, Mich.
NORTH AMERICAN METALINE CO. Long Island City, Boro. of Queens, New York
Ohio Brass Co. (Genuine ell Metal), Mansfield, O.
Phosphor-Bronze Smelting Co., 22d & Washington av, Phila., Pa.
Pittsburg White Metal Co., Pittsburg, Pa., & 160 Leroy, New York
Reeves, Paul S. & Son (Brass, Bronze & Phosphor Bronze), 1415 Catharine, Phila., Pa.
Ridlon, Frank Co. ("Ridlon," Bronze & Composition), 251 Boston, Mass.
Standard Metal Mfg. Co., Old Colony bldg, Chicago, Ill.
STANDARD ROLLER BEARING CO. ("Merrick," Roller Bearing), 50th & Lancaster av, Phila., Pa. (See adv. index, end of book)
Symington, T. H. Co. ("Baltimore." Center & Side), Baltimore, Md.
Taylor Elec. Truck Co. ("Taylor." Journal), Troy, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Wing, J. T. & Co. (Graphite), Detroit, Mich.

Bearings (Graphite)

Edna Smelting & Refining Co., 525 Reading rd, Cincinnati, O., & Monadnock blk, Chicago, Ill.
Graphite Lubricating Co., Boundbrook, N. J.

LUMEN BRONZE BEARINGS

Twenty Per Cent. Lighter Than Ordinary Bronze. Will Not Cut Journals or Pins.
Combines the Strength of Bronze with the Anti-Frictional Qualities of Babbitt.

In use by the leading builders of Motors, Engines, Steam Pumps, Machine Tools, Electrical, Hoisting and Conveying Machinery of all kinds.

Sold either in Castings or Pig Metal under U. S. and Canadian Patents by the

LUMEN BEARING COMPANY,

WILLIAM H. BARR, General Manager

BUFFALO, N. Y. **TORONTO, ONT.**

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Holmes Fibre Graphite Mfg. Co., 5155 Wakefield Gtn., Phila., Pa.
Wing, J. T. & Co., 19 Woodward av, Detroit, Mich.

Bearings (Hard Fibre)

(See Fibre Manufacturers, Hard)

Bearings (Journal)

Acme Journal Bearing Co., 49 S Canal, Chicago, Ill.
Ajax Metal Co., 46 Richmond, Phila., Pa.
Atlantic Brass Co. (The "A. B. C."), 192 B'way, New York
Aurora Metal Co., Aurora, Ill.
Besley, Chas. H. & Co. ("Hemlet"), 15 S Clinton, Chicago, Ill.
Blake, Edwin J. (Car & Locomotive), Hartford, Conn.
Brady Brass Co., Jersey City, N. J.
Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Buda Foundry & Mfg. Co. (Car, etc.), Railway Exchange bldg, Chicago, Ill.; Works: Harvey, Ill.
Chain Belt Co. (Solid), Milwaukee, Wis.
Climax Bearing Co. ("Camel"), Detroit, Mich.
Clum & Atkinson ("Plata" White Brass), Rochester, N. Y.
Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
Damascus Bronze Co., Allegheny, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Edna Smelting & Refining Co. (Porteuc Graphite), 525 Reading rd, Cincinnati, O.
Electric Service Supply Co., 1024 Filbert, Phila., Pa.
Eureka Tempered Copper Works, North East, Pa.
Falcon Bronze Co., Youngstown, O.
Frictionless Metal Co., Chattanooga, Tenn.
Graham, Jas. & Co., New Haven, Conn.
Hewitt Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Hyatt Roller Bearing Co., Harrison, N. J.
Keystone Bronze Co. (Car & Rolling Mill), 38th & A. V. Ry., Pittsburg, Pa.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Kirby Equipment Co., Railway Exchange, Chicago, Ill.
Long & Stillman, 149 B'way, New York
LUMEN BEARING CO., Buffalo, New York. (See adv. index, end of book)
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
Magnolia Metal Co., 511 W 13th, New York
Magnus Metal Co. (Lead Lined, etc.), 111 B'way, New York
Meneely, Geo. R. & Son, Watervliet, N. Y.
More-Jones Brass & Metal Co., 3138 N B'way, St. Louis, Mo.
Muzzy-Lyon Co., 149 W. Larned, Detroit, Mich.
National Fire Appliance Co., 161 Franklin, Boston, Mass.
National-Fulton Brass Mfg. Co., Detroit, Mich.
National Lead Co., 100 William, New York
NORTH AMERICAN METALINE CO., 4 West av, Long Island City, N. Y. (See adv. index, end of book)
Noyes Brass Works, Erie, Pa.
Ohio Brass Co., Mansfield, O.
Phosphor-Bronze Smelting Co., Phila., Pa.
Reeves, Paul S. & Son (Brass, Bronze & Phosphor Bronze), 1415 Catharine, Phila., Pa.
Rogers Metal Works (Car), Kansas City, Mo.
Rowell, W. G. Co., Bridgeport, Conn.
Simplex Railway Appliance Co. (Susemihl Roller Side), Chicago, Ill., & Hammond, Ind.
Spacke, F. W. Machine Co., Indianapolis, Ind.
Spiral Bearing & Supply Co., 74 B'way, New York
Streeter Journal Bearing Co., Monadnock blk., Chicago, Ill.
Taylor Electric Truck Co., Troy, N. Y.
Watson, Frye & Co., Bath, Me.
Wendell & MacDuffie, 50 Church, New York
Williams, E. A. & Son, Jersey City, N. J.

Bearings (Lead Lined)

Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
Long & Stillman, 149 B'way, New York
Reeves, Paul S. & Son, 1415 Catharine, Philadelphia, Pa.

Bearings (Locomotive)

(See Bearings, Journal)

*Bearings (Lumen Bronze)

LUMEN BEARING CO., Buffalo, New York. (See adv. index, end of book)

Bearings (Motor)

(See Bearings, Electrical, Motor, Etc.)

Bearings (Oilless)

Arguto Oilless Bearing Co., Wayne Junction, Philadelphia, Pa.
Long & Stillman, 149 B'way, New York
NORTH AMERICAN METALINE CO. ("Metaline," Self-Lubricating), 4 West av, Long Island City, N. Y. (See adv. index, end of book)

Bearings (Phosphor Bronze)

(See Castings, Phosphor Bronze)

Bearings (Rocker Side)

Cardwell Mfg. Co., Monadnock blk, Chicago, Ill.

Bearings (Roller)

(See also Bearings, Ball; also Bearings, Side)
American Roller Bearing Co., South Framingham, Mass.
Anti-Friction Journal Box Co. ("Allen"), 716 E 1st, Los Angeles, Cal.
Arguto Oilless Bearing Co., Wayne Junction, Phila., Pa.
Bantam Anti-Friction Co., Bantam, Conn.
Bown Roller Bearing Co., Dayton, O.
Gillette Roller Bearing Co., Grand Rapids, Mich.
Hyatt Roller Bearing Co., Harrison, N. J.
International Anti-Friction Roller Bearing Co. ("Sharpneck" Anti-Friction), Denver, Colo.
Iroquois Machine Co., Providence, R. I.
Moffatt Railway Bearing Co., 25 Broad, New York
Moffett Vehicle Bearing Co., Saginaw, Mich.
NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
Pickering Governor Co. (Roller Relief), Portland, Conn.
Sparks, Withington Co., Jackson, Mich.
Standard Machinery Co., Providence, R. I.
Standard Railway Equipment Co. (Pneumatic), Nat'l Bank of Commerce bldg, St. Louis, Mo.
Standard Roller Bearing Co., (Thrust, etc.), 50th & Lancaster, Phila., Pa.
Timken Roller Bearing Axle Co. (Vehicle & Automobile), Canton, O.
U. S. Roller Bearing Co., 25 Broad, New York

Bearings (Self-Oiling)

Arguto Oilless Bearing Co., Wayne Junction, Phila., Pa.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Hyatt Roller Bearing Co., Harrison, N. J.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Klein, Chas. C. (Step for Vertical Shafts, etc.), 2850 N Marshall, Philadelphia, Pa.
Medart Patent Pulley Co., 3500 DeKalb, St. Louis, Mo.
NORTH AMERICAN METALINE CO. ("Metaline"), 4 West av, Long Island City, N. Y. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
Woonsocket Machine & Press Co., Woonsocket, R. I.

Bearings (Side)

Camel Co. ("Hartman" Ball Bearing), Old Colony bldg, Chicago, Ill.
Cardwell Mfg. Co. ("Cardwell" Rocker), Monadnock blk, Chicago, Ill.
Chicago Railway Equipment Co. ("Creco" Roller), 4054 Princeton av, Chicago, Ill.
Long & Stillman, 149 B'way, New York
Miner, W. H. Co., The Rookery, Chicago, Ill.
Perry Side Bearing Co. ("Perry" Roller, Automatic Frictionless), Monadnock blk, Chicago, Ill.; Factory: Joliet, Ill.
Simplex Railway Appliance Co. (Roller Side), Commercial Nat'l Bank bldg, Chicago, Ill.; Works: Hammond, Ill.

Bearings (Spiral)

Spiral Bearing & Supply Co., 74 B'way, New York

Bearings (Thrust)

Boston Gear Works (Thrust Collar), Norfolk Downs, Mass.
International Engineering Co. ("R. B. F."), 1779 B'way, New York
Standard Roller Bearing Co., 50th & Lancaster av, Phila., Pa.
Thropp, Jno. E. Sons Co., Trenton, N. J.

Beaters (Carpet)

Andrews Iron & Wire Works ("Androck"), Rockford, Ill.
Ely, T. J. Mfg. Co. ("Dandy"), Girard, Pa.
Holt-Lyon Co. (Wire), Tarrytown, N. Y.
Hutchins, C. K. Co. ("Niagara"), Buffalo, N. Y.

Beaters (Egg)

A. & J. Mfg. Co. ("A. & J." Egg Beater & Cream Whip), Binghamton, N. Y.
Browne, W. S. Mfg. Co. ("Cyclone"), Kingston, N. Y.
DARBY, EDW. & SONS CO., 239 Arch, Philadelphia, Pa. (See adv. index, end of book)
Dover Stamping & Mfg. Co. ("New Dover" for Family Use & "Leviathan Dover" for Confectioners), Cambridge, Mass.
Dunlap, J. S., 39 W Randolph, Chicago, Ill.
Fries, Geo. Sons, 898 Filbert, Phila., Pa.
Hamblin & Russell Mfg. Co. ("Dover"), Worcester, Mass.
Hill, J. E. Co. ("Hill"), 27 School, Boston, Mass.
Holbrook Mfg. Co. ("Hill"), Attleboro, Mass.
Holt-Lyon Co. (Inc.), Tarrytown, N. Y.
Kilbourne Mfg. Co., Troy, N. Y.
Loll, F. W. Mfg. Co., Meriden, Conn.
Landers, Frary & Clark ("Dover"), New Britain, Conn.
Meyers, Fred. J. Mfg. Co., Hamilton, O.
National Mfg. Co., Worcester, Mass.
Norrish, Burnham & Co. (Inc.), Glen Rock, Pa.
Parker Wire Goods Co., Worcester, Mass.
Paxton Hardware Mfg. Co., Paxton, Ill.
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Reid-Edelmuth Mfg. Co. ("Champion"), 1719 9th, Brooklyn, N. Y.
Sears, G. E. & Co., 2920 S. Park av, Chicago, Ill.
Standard Co., 29 Haverhill, Boston, Mass.
Star Specialty Co., Indianapolis, Ind.
Taplin Mfg. Co. ("Dover"), New Britain, Conn.
TURNER & SEYMOUR MFG. CO. ("Dover"), Torrington, Conn. (See adv. index, end of book)
Western Wire Goods Co. ("Buffalo," "Perfection"), Pearl c Terrace, Buffalo, N. Y.
Weston & Wells Mfg. Co., Fretz bldg, Phila. Pa.
Wire Goods Co. ("Dover"), Worcester, Mass.
Woods-Sherwood Co., Lowell, Mass.

Beds (Metal, for Railroads)

Adams & Westlake Co., Ontario, cor Franklin, Chicago, Ill.

Bedstead Mfrs. (Brass or Iron)

ARKANSAS.

FORT SMITH—Ward Furniture Mfg. Co. (Brass & Iron)

CALIFORNIA.

LOS ANGELES—Van Vorst & Berman (Brass & Iron)
SAN FRANCISCO — Bernhard Mattress Co. (Iron), 791 Mission
Merle, A. Co. (Brass & Iron), Bay & Stockton

CONNECTICUT.

DERBY—Whitcomb Metallic Bedsteal Co. (Brass & Iron)

GEORGIA.

ATLANTA—Gholstein, Cunningham Spring Bed Co. (Iron)
MACON—Macon Spring Bed & Mattress Co. (Iron)

ILLINOIS.

BRADLEY—Turk, Jos. Mfg. Co. (Iron)
CHICAGO—Adams & Westlake Co. (Brass & Iron), Ontario & N. Franklin

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American Metal Ware Co. (Brass), 87 Huron
Art Bedstead Co. (Brass & Iron), 37th & Rockwell
Central Bedding Co. (Iron), 462 Wabash av
Davis, Horwich & Steinman (Iron), 2256 La Salle
Fett, John (Iron), 2715 S Halsted
Garvy Co. (Steel Folding), N 49th av, c Bloomingdale rd
Hall Miller & Son (Brass & Iron), Taylor & Rockwell
Horn Bros. Mfg. Co. (Iron), 281 W Superior
Kimball & Chappell Co. (Brass & Iron), 2834 Loomis
Simmons Mfg. Co. (Brass & Iron), 192 Michigan av
Union Wire Mattress Co. (Iron), Blackhawk c Cherry
PEORIA—Peoria Lounge & Mattress Co. (Iron), 301 N Water

INDIANA.

EVANSVILLE—Evansville Metal Bed Co. (Brass & Iron)
INDIANAPOLIS—Indiana Brass & Iron Bed Co. (Brass & Iron)
Laycock, T. B. Mfg. Co. (Brass & Iron)
MARION—Marion Iron & Brass Bed Co. (Brass & Iron)
RICHMOND — Richmond - Indiana Mfg. Co. (Brass & Iron)
SOUTH BEND—South Bend Iron Bed Co.

IOWA.

DUBUQUE—Dubuque Cabinet Makers' Ass'n (Brass & Iron)

KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co. (Brass & Iron)

LOUISIANA.

NEW ORLEANS—Crescent Bed Co. (Ltd.) (Brass), 400 Orange
Magee Mfg. Co. (Brass & Iron), Calliope & South Race

MAINE.

BANGOR—Bangor Mattress Co. (Iron)

MARYLAND.

BALTIMORE—Fauldrath, C. H. & Bro. (Brass & Iron), 219 N Howard
Foster Bros. Mfg. Co. (Brass & Iron), 320 N Holliday
Simmons Mfg. Co., 612 W Pratt
Southern Bedding Co., 629 W Pratt
Walpert, Fred & Co., N Gay
Weems, A. W. (Brass & Iron), 381 N Howard

MASSACHUSETTS.

BOSTON—Bent, G. W. & Co. (Brass & Iron), 93 Causeway
Boston Metallic Bed Co. (Iron), 90 Canal
Merrimac Mattress Mfg. Co. (Iron), 120 Portland
Morris, Murch & Butler (Brass & Iron), 97 Summer
Nary, Frank E. (Brass), 51 Chardon
Richardson, Wright & Co. (Iron), 51 Chardon
Standard Wire Mattress Co. (Brass & Iron), 197 Portland
Whitcomb Metallic Bedstead Co. (Brass & Iron), 78 Washington
HOLYOKE—Coburn Trolley Track Mfg. Co. (Brass)
WESTBORO—Foster-Richardson Co. (Brass & Iron)

MICHIGAN.

DETROIT—Jenks & Muir Mfg. Co. (Brass & Iron), 1441 Hastings

MINNESOTA.

MINNEAPOLIS—Gangelhoff Bros. (Brass & Iron), 909 S 2d
Minneapolis Bedding Co. (Brass & Iron), 5th av & Division
Salisbury & Satterlee Co. (Iron)
RED WING—Red Wing Mfg. Co. (Brass & Iron)
ST. PAUL—United States Bedding Co. (Iron)

MISSOURI.

KANSAS CITY—Brown Bed Mfg. Co. (Brass & Iron)
ST. LOUIS—American Bed Co. (Brass & Iron), 18th to 19th & Park av
Foster Bros. Mfg. Co. (Iron), 1410 N 16th
Mellon & Storm Mfg. Co., 1621 N 10th
Smith & Davis Mfg. Co. (Iron), Locust & 20th
St. Louis Bed & Mfg. Co. (Brass & Iron), 408 N 4th

NEW JERSEY.

HOBOKEN—Oriental Metal Bed Co. (Brass & Iron)
JERSEY CITY—Mersereau Metal Bed Co., (Brass & Iron), 292 Johnson av
New York Metallic Bedstead Co.

NEW YORK.

ALBANY—Hasselbarth, C. O., (Brass & Iron), 30 Hamilton
BUFFALO—Barcalo Mfg. Co., (Brass & Iron), 140 Kentucky
Hard Mfg. Co. (Iron), 117 Tonawanda
Hartman & Co. (Brass & Iron), 839 Main
LOCKPORT—Oliver Bros. Co., (Brass & Iron)
MECHANICSVILLE—Eckerson Bedding Co., (Iron)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Greenpoint Metallic Bed Co. (Brass & Iron), 226 Franklin
Royal Metal Furniture Co. (Brass & Iron), 170 7th
Star Brass & Iron Bed Co., (Brass & Iron), 13 Montauk av

Boroughs of Manhattan & Bronx.

NEW YORK—American Couch Co. (Brass & Iron), 141 7th av
Atlas Metal Bedstead Co. (Brass & Iron), 186 Lewis
Bronx Metal Bed Co., (Brass & Iron), 50 Orchard
Hall, Frank A. (Iron), 118 Baxter
Hoffman, Henry (Iron), 801 3d av
Hudson Metal Bed Co. (Brass & Iron), 447 E 120th
Knickerbocker Metallic Bed Co. (Brass & Iron), 488 B'way
Judd, H. L. Co., (Brass & Iron), 87 Chambers
Manhattan Bedding Co., (Brass & Iron), 533 W 23d
National Brass Bed Co. (Brass), 414 Bleecker
New York Couch Bed Co., 534 W 30th
N. Y. Woven Wire Mattress Co. (Iron), 225 W. 28th
Ostermoor & Co., (Brass & Iron), 132 Bowery
Rogers, C. P. & Co., (Brass & Iron), 145 5th av
Schlesinger, W. & S. & Co. (Iron), 156 W 23d
ROME—Rome Metallic Bedstead Co. (Brass & Iron)
TRUXTON—Bryant Furniture Co. (Iron)
UTICA—Foster Bros. Mfg. Co. (Iron)
Lorts, Teuscher & Co. (Iron)
WAVERLY—Merriam, F. W. (Iron)

NORTH CAROLINA.

ALBEMARLE—Albemarle Furniture & Mfg. Co. (Iron)
WINSTON SALEM—Forsyth Iron Bed Co. (Brass & Iron)

OHIO.

ASHLAND—Kauffman Mfg. Co. (Iron)
CINCINNATI — American Juvenile Bed Co.
Crown Mfg. Co. (Iron)
Hunt, M. A. & Co. (Brass & Iron), Dempsey & C. H. & D. R. R.
Nunner & Ashton (Brass & Iron), 210 E Pearl
CLEVELAND—Cleveland Brass & Iron Co. (Brass & Iron), W 65th & L. S. & M. S. R. R.
Forest City Bedstead Co. (Iron), 1197 W 67th, N. W.
Van Dorn Iron Works Co. (Brass & Iron), 2685 E 79th
EATON—Ohio Iron & Brass Bed Co. (Brass & Iron)

PENNSYLVANIA.

COLONA—Pittsburg Tube Co. (See Pittsburg)
CORRY—Kurtz Brass Bed Co. (Ltd.)
HARRISBURG—Boll Bros. Mfg. Co. (Brass & Iron)
PHILADELPHIA—Bernstein Mfg. Co. (Brass & Iron), 3d & Allegheny av
Bunting, J. R. Bedding Co. (Iron), 234 S 2d
Dougherty, H. D. & Co. (Brass & Iron), 11 N 11th
Greater New York Metallic Bed Co., 251 S 2d
McMahen, Wm. H. (Brass & Iron), 244 S 2d
Philadelphia Metallic Bed Co., 1201 Washington av
Quaker City Metallic Bedstead Co., (Brass), 16th & Washington av
Rawson Mfg. Co. (Brass), 942 N 3d
Pittsburg Metal Bed Co., North Side
PITTSBURG—Pittsburg Tube Co., 324 4th av, Mills, Colona, Pa.

RHODE ISLAND.

PROVIDENCE—Brady, Jas. W. (Iron), 244 Weybosset

TENNESSEE.

CHATTANOOGA—Heron Iron Bedstead Co.

WISCONSIN.

FOND DU LAC—Winnebago Furniture Mfg. Co. (Iron)
KENOSHA—Simmons Mfg. Co. (Brass & Iron)
MARSHFIELD—Marshfield Bedding Co. (Iron)
MILWAUKEE—Western Metal Bed Co. (Brass & Iron), Dover pl & West

Bee Keepers' Supplies

Dadant & Sons, Hamilton, Ill.
Falconer, Jas. T. & Co., Jamestown, N. Y.
Marshfield Mfg. Co., Marshfield, Wis.
Lewis, G. B. Co., Watertown, Wis.
Root, A. I. Co., Medina, O.

Beeswax

Bowdlear, W. H. Co., Boston, Mass.
Bromund, E. A., 97 Reade, New York
McKesson & Robbins, 91 Fulton, New York
National Aniline & Chemical Co., 100 William, New York
Scheel, Wm. H., 159 Maiden la., New York

Beet Sugar Plant Construction

Dyer Co. (Complete Plants), Cleveland, O.
Hopke, Theo. (Complete Plants), Madison, Wis.
Kilby Mfg. Co., Cleveland O.
Oxnard Construction Co., 32 Nassau, New York

*Bell Cords & Couplings

(See also Cords, Trolley, Etc.)

SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 78 Chauncy, Boston, Mass. (See adv. index, end of book)
TUCKER & CARTER ROPE CO. (Wire Center Bell Cord), 76th S & 167 Maiden la., New York. (See adv. index, end of book)

Bell Founders

American Bell & Foundry Co. (Cast Steel), Northville, Mich.
Bay State Brass Foundry, 155 A, Boston, Mass.
Bell, C. S. Co. (Steel Alloy, Farm, etc.), Hillsboro, O.
Buckeye Bell & Brass Foundry, 428 E 2d, Cincinnati, O.
Chaplin-Fulton Mfg. Co., 28 Penn av, Pittsburg, Pa.
Cincinnati Bell Foundry Co., Spring Grove av & Terrace pl, Cincinnati, O.
Fuller, Frederic, 604 S Main, Providence, R. I.
Garratt, W. T. & Co., 138 Fremont, San Francisco, Cal.
Henry-Bonnard Bronze Co., 5 E 42d, New York; Works: Mount Vernon, N. Y.
Kingwell, Vincent, 1038 Mission, San Francisco, Cal.
McShane Bell Foundry Co., Holliday & Centre, Baltimore, Md.
Meneely Bell Co., Troy, N. Y.
Meneely & Co., Watervliet, N. Y.
Mousley, Chas. & Sons, 453 N 12th, Philadelphia, Pa.
New Departure Mfg. Co. (Gong, etc.), Bristol, Conn.
Ross-Meehan Foundry Co., Chattanooga, Tenn.
St. Louis Bell Foundry, 2735 Lyon, St. Louis, Mo.
Stuckstede, Hy. Bell Foundry Co., 1312 S 2d, St. Louis, Mo.
Sweeney, J. & Barrett, 3 Dutch, New York
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Williams, E. A. & Son, Jersey City, N. J.

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Bell Ringers

(See Locomotive Bell Ringers)

Bellows (Blacksmiths', Molders', etc.)

BEGGS, JAS. & CO., 109 Liberty, New York. (See adv. index, end of book)
Brand, S. H. & Co., 99 W Monroe, Chicago, Ill.
California Bellows Works, 79 Federal, San Francisco, Cal.
Charlotte Bellows Works, Charlotte, N. C.
Christen, F. & Sons, Dock & Main, St. Louis,
Collins, Wm., New Albany, Ind. Mo.
Dobson, Wm. (Molders' Calfskin), Canastota,
Galton Mfg. Co., Cleveland, O. N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Keese, Chas. H., 4 Gold, New York
Michales, J. Son & Co., 109 Liberty, New York
OSBORN MFG. CO. (Molders' Only), 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Paro, Edw., 3724 W 62d, Chicago, Ill.
Scott, Geo. M., 436 Johnson, Chicago, Ill.
Woodason, Thomas (Blacksmiths' & Molders', etc.), 2900 D, Phila., Pa.

*Bellows (Brass & Wood)

JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)

Bells (Altar)

Starr Bros. Bell Co., East Hampton, Conn.

Bells (Automobile & Bicycle)

(See also Bells, Electric; also Bells & Gongs, Car, Etc.)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Graham Mfg. Co. (Bicycle), Derby, Conn.
Hardware & Woodenware Mfg. Co., 826 B'way, New York
Mossberg, Frank Co. (Also Carriage), Attleboro, Mass.
New Departure Mfg. Co., Bristol, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

Bells (Chime)

Durfee, Walter H. & Co. (Tubular Tower), 151 Pond, Providence, R. I.
Liberty Bell Co. (Liberty Auto Chimes), Bristol, Conn.
McShane Bell Foundry Co., Baltimore, Md.
Meneely Bell Co., Troy, N. Y., & 177 B'way, New York
Meneely & Co., Watervliet & Troy, N. Y.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.

Bells (Church)

American Bell & Foundry Co., Northville, Mich.
Bell, C. S. Co., Hillsboro, O.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Blymyer Iron Works Co., Spring Grove av, & Terrace pl, Cincinnati, O.
Chaplin-Fulton Mfg. Co., 28 Penn av, Pittsburg, Pa.
Cincinnati Bell Foundry Co., Spring Grove av & Terrace pl., Cincinnati, O.
Durfee, Walter T. & Co. (For Churches, Tower Clocks, Organ Chimes, etc.), 151 Pond, Providence, R. I.
Foote, J. B. Foundry Co., Fredericktown, O.
Fuller, Frederic, Providence, R. I.
Garratt, W. T. & Co. (Inc.), 142 Fremont, San Francisco, Cal.
McShane Bell Foundry Co., Baltimore, Md.
Meneely Bell Co., 22 River, Troy, N. Y., & 177 B'way, New York
Meneely & Co., Watervliet, & Troy, N. Y.
Rumsey & Co. (Ltd.) (Steel), Seneca Falls, N. Y.
Stuckstede, Henry Bell Foundry Co., 1312 2d, St. Louis, Mo.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Williams, E. A. & Son, Jersey City, N. J.

Bells (Cow)

Blum Mfg. Co., Collinsville, Ill.
Bevin Bros. Mfg. Co., East Hampton, Conn.
East Hampton Bell Co., East Hampton, Conn.
Hill, N. N. Brass Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

Bells (Door & House)

Arcade Mfg. Co., Freeport, Ill.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Hardware & Woodenware Mfg. Co., 826 B'way, New York
Hill, N. N. Brass Co., East Hampton, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Starr Bros. Bell Co. (Gong, Alarm, Rotary Door, Call, etc.), East Hampton, Conn.

Bells (Electric)

Ansonia Electrical Co. ("Eureka," "Wizard"), Ansonia, Conn.
Boston Electric Co., 29 Harrison av, Boston, Mass.
BUNNELL, J. H. & CO. ("Becko"), Park pl & Church, New York. (See adv. index, end of book)
Bryant Zinc Co., 158 W Van Buren, Chicago, Ill.
Cory, Chas. & Son (Call), 286 Spring, New York
Edwards & Co. ("Lungen," "Vigilant," "Rectl"), 140th & Exterior, New York
Electric Goods Mfg. Co. ("Victor," "Dandy," "Tyrolean"), Boston, Mass.
Ericsson, L. M. Tel. Mfg. Co., Buffalo, N. Y.
Heath Electric Co., Detroit, Mich.
Holtzer-Cabot Electric Co. ("Berlin," "Hub-Dome"), Brookline, Mass.
Keil, Francis & Son ("Reliance," "Ampro"), 403 E 163d, New York
Manhattan Electrical Supply Co. ("Nonpariel," "Utility," "Crescent," "Imperial," "Crescendo," "Monarch," "Monitor"), 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Ostrander, W. R. & Co., 22 Dey, New York
P. R. Mfg. Co. ("Rex," "Marlo," "X X X," "Eclipse," "Ekla," "Straightline"), Detroit, Mich.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Pearce, Fred'k Co., 18 Rose, New York
Railroad Supply Co., 215 Dearborn, Chicago, Ill.
Reading Hardware Co. (Ring & Rotary Door), Reading, Pa.
Rolfe Electric Co. ("Schwarze"), Rochester, N. Y.
Russell Electric Co. ("Electric Whistle," "Freco"), Danbury, Conn.
Schwarze Electric Co., Adrian, Mich.
Stanley & Patterson ("Faraday," "Competition," "Columbus," "Globe," "Liberty"), 23 Murray, New York
Starr Bros. Bell Co. (Mechanical), East Hampton, Conn.
Western Electric Co. ("Hawthorne," Relay), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm, H., 70 Frost, Brooklyn, N. Y.

Bells (Engine)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Cory, Chas. & Son, 286 Spring, New York
Hardware & Woodenware Mfg. Co., 826 B'way, New York
New Departure Mfg. Co., Bristol, Conn.
Rumsey & Co., Ltd. (Inc.), Seneca Falls, N. Y.
Starr Bros. Bell Co. (Locomotive Gongs, etc.), East Hampton, Conn.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Williams, E. A. & Son, Jersey City, N. J.

Bells (Extension Ringing)

(See Bells, Telephone)

Bells (Farm)

American Bell & Foundry Co., Northville, Mich.
Bell, C. S. Co., Hillsboro, O.
Comstock, Geo. S., Mechanicsburg, Pa.
Hill, N. N. Brass Co., East Hampton, Conn.
Lehr Agricultural Co., Fremont, O.
Messinger Mfg. Co., Tatamy, Pa.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Bells (Fog)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Starr Bros. Bell Co (Binnacle & Signal), East Hampton, Conn.
Williams, E. A. & Son, Jersey City, N. J.

Bells (Hand)

Starr Bros. Bell Co. (Auctioneers, School, Tea, etc.), East Hampton, Conn.

Bells (Highway Crossing)

(See Signals, Railway Crossing)

Bells (House)

(See Bells, Door & House)

Bells (Locomotive)

(See Bells, Engine)

Bells (Magneto)

(See Bells, Telephone)

*Bells (Malleable Bronze for Locomotives)

LAWRENCEVILLE BRONZE CO., 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)

Bells (School, Fire & Factory)

(See Bells, Church)

Bells (Sleigh)

American Ring Co., Waterbury, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Hill, N. N. Brass Co., East Hampton, Conn.
Kirby Mfg. Co., Middletown, Conn.
Starr Bros. Bell Co. (Also Body Straps, etc.), East Hampton, Conn.
Swedish Sleigh Bell Mfg. Co., Burlington, Ia.

Bells (Telephone)

American Electric Telephone Co., 64th & State, Chicago, Ill.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co. ("Magneto"), Bridgeport, Conn., & 19 Murray, New York
Chicago Telephone Supply Co., Elkhart, Ind.
Couch & Seeley Co. ("Magneto"), 10 Thacher, Boston, Mass.
Electric Mfg. & Equipment Co. (Extension Ringing), Atlanta, Ga.
Farr Telephone & Construction Supply Co., 118 W Jackson boul, Chicago, Ill.
Garton-Daniels Co. (For Extension Ringing), Keokuk, Iowa
Hardware & Woodenware Mfg. Co., 826 B'way, New York
International Telephone Mfg. Co. c Harrison & Clinton, Chicago, Ill.
Holtzer-Cabot Electric Co., Brookline, Mass.
Ladd, W. C., Bristol, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Electric Mfg. Co., Menominee, Mich.
North Electric Co., 408 St. Clair, Cleveland, O.
Partrick, Carter & Wilkins, 1231 Callowhill, Philadelphia, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Schwarze Electric Co. ("Schwarze," Loud Ringing Magnets Extension), Adrian, Mich.
Sumpter Telephone Mfg. Co., Sumpter, S. C.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Telephone Mfg. Co., 42 W Jackson boul, Chicago, Ill.
Vote-Berger Co. ("Little Gem"), La Crosse, Wis.
Williams, E. G. Electric Works, 145 Quincy, Cleveland, O.

Bells (Tubular)

Durfee, Walter H. Co. (Tubular, Church Organ), 151 Pond, Providence, R. I.
National Tube Co. ("Shelby" Seamless Steel Tubing, Locomotive, Fire Alarm, Church, Marine, Service, etc.), Pittsburg, Pa.

Bells & Gongs (Car, Etc.)

Adams & Westlake Co., Ontario c N Franklin, Chicago, Ill.
American Foundry & Mfg. Co. (Bronze), 11th & Herbert, St. Louis, Mo.
American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Brill, J. G. Co. ("Dedenda," Platform Gong, "Retriever," Signal Bell), 62d & Woodland av, Phila., Pa.
Dayton Mfg. Co. ("Dayton," Gong), Dayton, O.
Electric Service Supply Co. ("Keystone," Pneumatic Gong), 1020 Filbert, Phila., Pa.
Gong Bell Co., East Hampton, Conn.
Hardware & Woodenware Mfg. Co., 826 B'way, New York

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National Tube Co. ("Shelby," Seamless Steel Tubing, are Formed Not Cast), Pittsburg, New Departure Mfg. Co., Bristol, Conn. Pa.
Ohio Brass Co., Mansfield, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Pittsburg Steel Hollow Ware Co. (Rolled Steel), Pittsburg, Pa.
Reiter, G. C., Canton, O.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
St. Louis Car Co. ("St. Louis," Bells & Gongs Made of Rolled Steel), St. Louis, Mo.
Starr Bros. Bell Co. ("Bartons"), East Hampton, Conn.
Wall, P. Mfg. Supply Co., Pittsburg, Pa.
Wallace Supply Co. (Steel Gongs), 23 S Jefferson, Chicago, Ill.
William, E. A. & Son, Jersey City, N. J.

Bells & Gongs (Unmounted)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
East Hampton Bell Co., East Hampton, Conn.
Hardware & Woodenware Mfg. Co., 326 B'way, New York
New Departure Mfg. Co., Bristol, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
PRESSED STEEL TANK CO. (Pressed Steel), Milwaukee, Wis. (See adv. index, end of book)
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Waterbury Mfg. Co., Waterbury, Conn.

Belt Awls

(See Awls, Belt, Etc.)

Belt Cement

Akron Belting Co., Akron, O.
Bradford Belting Co., 2d & Walnut, Cincinnati, O.
Chicago Belting Co., 12 S Green, Chicago, Ill.
Cook, Barron C., Charlotte, N. C.
Graton & Knight Mfg. Co., Worcester, Mass.
HUDSON BELTING CO. ("American" Also "Mermaid" Waterproof), 3 Eaton pl, Worcester, Mass. (See adv. index, end of book)
Jewell Belt Hook Co., Hartford, Conn.
Ladew, E. R. (Est. of) ("Hoyt's"), 200 William, New York
New York Leather Belting Co. ("Victor"), 51 Beekman, New York
Nott, W. S. Co. ("Diamond"), Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Russia Cement Co., Gloucester, Mass.
Schieren, Chas. A. & Co., 30 Ferry, New York
Shultz Belting Co., 402 Barton, St. Louis, Mo.

Belt Dressing

Acme Supply Co. ("Acme"), 717 Main, Cincinnati, O.
Akron Belting Co. ("Electric"), Akron, O.
Allen, W. D. Mfg. Co. ("Ajax," "Red Cross"), 151 Lake, Chicago, Ill.
American Belting Co., Youngstown, O.
American Oil Co. ("A. O. C."), Providence, R. I.
American Steam Packing Co. ("American"), 51 High, Boston, Mass.
Barker Bros. ("Keystone"), Norristown, Pa.
Belden, A. G. & Co. ("Pycnotum"), 145 Maiden la., New York
Belt Force Co., Knoxville, Tenn.
Beltine Chemical & Mfg. Co., N Sangamon & W Kinzie, Chicago, Ill.
Binghamton Boiler Compound Co. ("Pyramid"), Binghamton, N. Y.
Black Diamond Mfg. Co. ("Black Diamond"), 1236 Richmond, Cincinnati, O.
Bradford Belting Co. ("Monarch"), 38 Dey, New York, & 2d & Walnut, Cincinnati, O.
Buffalo Specialty Co. ("Electric Success"), 375 Ellicott, Buffalo, N. Y.
Bulls Head Oil Works ("Bulls Head"), San Francisco, Cal.
Callahan, Geo. & Co. ("Anti-Slip"), 129 Front, New York
Carbono Specialty Mfg. Co., 1913 Lexington av, New York
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Carton Belting Co., Boston, Mass.
Chesapeake Belting Co. ("Star"), Baltimore, Md.
Chesterton, A. W. & Co. ("Excelsior"), 64 India, Boston, Mass.
Chicago Belting Co., 12 S Green, Chicago, Ill.
Cincras Specialty Mfg. Co. (Brush Bar), Buffalo, N. Y.
Climax Refining Co., Williamson bldg, Cleveland, O.
Cling Surface Co., 1032 Niagara av, Buffalo, N. Y.
Columbia Mfg. Co., Camden, N. J.
Consumers Rubber Co. ("Hosmer's"), 1407 W 6th, N W, Cleveland, O.
Corliss Chemical Co., 409 S 12th, St. Louis, Mo.
Cowles & Co., 231 Fulton, New York
Crandall Packing Co., Palmyra, N. Y.
Crescent Belt Fastener Co. ("Handy Bar"), 143 E 23d, New York
Crown Woven Wire Brush Co. (For Round & Sewing Machine Belts), Salem, Mass.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Solid & for Traction), Jersey City, N. J. (See adv. index & branch offices, end of book)
Eagle Oil & Supply Co. ("Eagleine Holdfast"), 104 Broad, Boston, Mass.
Estweller, Wm. (Electric), 230 N 3d, Phila., Pa.
Franklin Co., Lincoln, N. J.
Gallaway, G. W., 322 Pearl, New York
Gandy Belting Co. ("Gandy"), Baltimore, Md.
Garlock Packing Co. ("Garlock"), Palmyra, N. Y.
Garnet Co. (Liquid & Bars), Allentown, Pa.
Gold, Walter C. ("The Page"), 235 Race, Phila., Pa.
Goodyear Rubber Hose & Packing Co. ("Vulcan"), 221 Chestnut, Phila, Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Hartfelder-Garbutt Co. ("Strous'" Liquid), Savannah, Ga.
Hinds & Coon ("Hug-It"), 126 Pearl, Boston, Mass.
Houghton, E. F. & Co. ("The Vim," Adhesive), 240 W Somerset, Phila., Pa.
HUDSON BELTING CO. (Hudson Bar "Number One"), Worcester, Mass. (See adv. index, end of book)
Imperial Leather Preserver Mfg. Co. ("Leatherine" Filler & Preserver), 216 Chancelor, Phila., Pa.
Ironsides Co., The Wyandotte, Columbus, O.
Jewell Belt Hook Co., Hartford, Conn.
Keystone Lubricating Co. ("Keystone," Grease), 20th & Allegheny av, Phila., Pa.
Kidder Supply Co., 29 Pearl, Boston, Mass.
Leather Preserver Mfg. Co., 27 W Monroe, Chicago, Ill.
Little, O. C. Pulley Coating Co. (Softener and Preserver for Rubber & Canvas Belts), Menasha, Wis.
Loeb Bros. Leather Belting Co., 29 Ferry, New York
Main Belting Co. ("Leviathan"), 1219 Carpenter, Phila., Pa.
Montgomery Bros. ("Paragon"), 48 N Front, Phila., Pa.
Munson, Chas. Belting Co. ("Famous"), 88 Franklin, Chicago, Ill.
Muzzy-Lyon Co., Detroit, Mich.
New York Leather Belting Co., 51 Beekman, New York
New York Mfg. & Supply Co., 152 South, New York
Nott, W. S. Co. ("Old Hickory"), Minneapolis, Minn.
Page Belting Co. ("Crown," for Leather Belts), Concord, N. H., & 31 Pearl, Boston, Mass.
Palmer, N. & Co. ("Charter Oak"), Bridgeport, Conn.
Pechin, Jno. W. ("Jim Dandy"), 31 S 3d, Philadelphia, Pa.
Phoenix Oil Co. ("Green Seal"), Cleveland, O.
PITTSBURGH GAGE & SUPPLY CO. ("Fort Duquesne"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Plomo Specialty Mfg. Co. ("Whitmore"), Cleveland, O.
Post, E. L. & Co., 50 Cliff, New York
Providence Oil Works, Providence, R. I.
Rhoads, J. E. & Son, 239 Market, Phila., Pa.
ROSSENDALE-REDDAWAY BELT-ing & Hose Co. ("Camel"), Newark, N. J. (See adv. index, end of book)
Sawyer Belting Co. ("Flexo" Tractive Liquid), Cleveland, O.
Schieren, Chas. A. & Co. ("Leatherine," "Electric," "Flyfoot"), 30 Ferry, New York
Shackley, W. T. & Son (Friction), 49 High, Boston, Mass.
Shultz Belting Co., 402 Barton, St. Louis, Mo.
Sonneborn, L. Sons (Inc.) ("Amalia" Grip Non-Slip Stick & Syrup for All Kinds of Belts), 282 Pearl, New York
Southwick, Geo. W. Co. (Inc.) ("Polar"), 90 Centre, New York
Star Mfg Co., Stamford, Conn.
Stephenson Mfg. Co. (Bar), Albany, N. Y.
Superior Chemical Mfg. Co. ("Superior"), Grand Rapids, Mich.
Tallamanic Co., North Tonawanda, N. Y.
Tolsma, R. B. & Co., Seattle, Wash.
Viscol Co., Cambridge, Mass.
Walton, F. S. Co. (Oxoilox), 319 Walnut, Philadelphia, Pa.
Warren Co., 1960 Orleans, Chicago, Ill.
Watt's, Jno. M. Sons ("Nonpariel"), 282 N 3d, Phila., Pa.
Waterproof Paint Co., Watertown, Mass.
White & Bagley Co. ("Neverslip"), Worcester, Mass.
Whitlock Mfg. Co., 1363 W 117th, N. W., Cleveland, O.
Wilhelm, A. Co., Reading, Pa.
Wing, J. T. & Co., 19 Woodward av, Detroit, Mich.
Winn, Wm. R. ("Winn"), 143 Maiden Lane, New York
Wolff, Norbert & Son ("Wolff"), 470 Greenwich, New York
World Refining Co., Easton, Pa.
Zurn, O. F. Co. ("Royal," "Peerless"), Broad & Lehigh, Phila., Pa.

Belt Fasteners

Angell Belt Hook Co. ("The Wilson" Hooks), Providence, R. I.
BRISTOL CO. ("Bristol's" Steel Belt Lacing), Waterbury, Conn. (See adv. index & branch offices, end of book)
Buffalo Belting Works, 18 Ellicott, Buffalo, N. Y.
Buffalo Specialty Co. ("Buffalo"), 375 Ellicott, Buffalo, N. Y.
Crown Woven Wire Brush Co. (For Round & Sewing Machine Belts), Salem, Mass.
Columbia Novelty Mfg. Co., 1431 N 8th, St. Louis, Mo.
Crescent Belt Fastener Co. ("Crescent"), 143 E 23d, New York
Edwards, H. D. & Co. ("Smith's"), Detroit, Mich.
Greene, Tweed & Co. ("The Jones" & "Jackson's" Improved), 109 Duane, New York
Hayden, J. M. & Co. (Wire), Grand Rapids, Mich.
Hudson Belt Fastener Co. ("Hudson"), 136 Liberty, New York
Jenckes, E. Mfg. Co. ("Hicks"), Pawtucket, R. I.
Jewell Belt Hook Co. (Potter), Hartford, Conn.
Jones, H. H. (Hook), Lancaster, N. H.
Kenehan Steel Belt Fasteners Co., 1252 W 3d, N W, Cleveland, O.
Kerr & Co. (Metallicv), 109 Liberty, New York
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
Page Belting Co., Concord, N. H.
Pickering, R. S. (Or Belt Hooks), Sharon Hill, Pa.
Pratt, Wm. E. Mfg. Co. ("The Chicago" Wire), 91 Lake, Chicago, Ill.
ROSSENDALE-REDDAWAY BELT-ing Hose Co. ("Jackson's"), Newark, N. J. (See adv. index, end of book)
Smith, F. P. & Co. ("Smith's" Sewing Machine Belt Hooks, etc.), Sharon Hill, Pa.
Southwick, Geo. W. Co. (Inc.), 90 Centre, New York
Star Mfg. Co., Stamford, Conn.
Talcott, W. O. ("Wilson's" & Combination Clinching & "Acme"), Providence, R. I.
Thacher Belting Hook Co. ("Thacher"), 321 Frankfort av, Cleveland, O.
Tostevin & Cottle Mfg. Co. ("Toscot" Flat Flexible Metallic Belt Coupling), 635 Kent av, Brooklyn, N. Y.
Upson Nut Co., Unionville, Conn., & Cleveland, O.
Voorhees Rubber Mfg. Co. (Plate Belt Fasteners or Hooks), Jersey City, N. J.
Webb Hinge Belt Hook Co., Boonton, N. J.
Western Rawhide & Belting Co. ("Superior" Belt Hook for Round or Flat Belts), Milwaukee, Wis.
Wall, P. Mfg. Supply Co. ("Thachers"), Allegheny, Pa.

Belt Filling

Garnet Co. (& Preserver), Allentown, Pa.
Hendee Wire Brush Co., 319 Milwaukee, Milwaukee, Wis.
Peerless Lubricant Mfg. Co., 107 Liberty, New York

Belt Holders

Mason Regulator Co., Boston, Mass.

Belt Hooks

(See Belt Fasteners)

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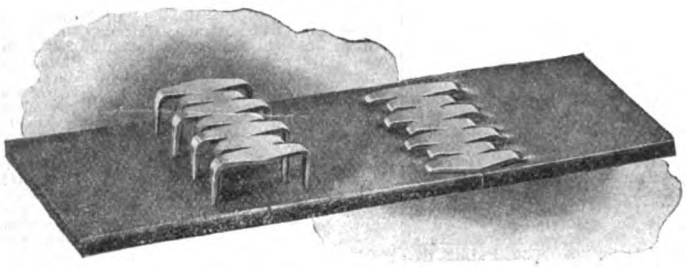
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NEW YORK BRANCH OFFICES CHICAGO

Belt Lacing

Akron Belting Co. (Wire & Rawhide), Akron, O.
Allen, W. D. Mfg. Co. ("McCauley" Wire), 151 Lake, Chicago, Ill.
American Belting Co., Youngstown, O.
Anstedt, C. Leather Co., Milwaukee, Wis.
Barnes, Henry K. ("Crown" Rawhide & "Blueskin" Mineral Tanned), 104 Franklin, Boston, Mass.
Bay State Belting Co. (Leather), 43 High, Boston, Mass.
BRISTOL CO. ("Bristol's" Steel), Waterbury, Conn. (See adv. index & branch offices, end of book)
Brown Bros. Co., 62 Ex. pl., Providence, R. I.
Chicago Raw Hide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
Columbia Novelty Mfg. Co. ("Star" Steel), St. Louis, Mo.
Coupe, Wm. & Co. ("Excelsior" Raw Hide & Oak Tanned), South Attleboro, Mass.
Couse & Bolten, Newark, N. J.
De Forge Belting Co., Newark, N. J.
Flexible Steel Lacing Co. (Flexible Steel Lacing), 71 W Jackson boul., Chicago, Ill.
Gay, Fred E. (Rawhide Side & Cut Lace Leather), Pawtucket, R. I.
Graton & Knight Mfg. Co., Worcester, Mass.
Hartmann E. Hide & Leather Co., 1905 Shenandoah av, St. Louis, Mo.
Hayden, J. M. & Co. (Wire), Grand Rapids, Mich.
Helvetia Lacing Co., Lancaster, Pa.
Hercules Mfg. Co., 4328 Greenwood av, Chicago, Ill.
HUDSON BELTING CO. (Lace Leather), Worcester, Mass. (See adv. index, end of book)
Hudson Belt Fastener Co. ("Hudson" Wire, "Perfection," "O. K."), 136 Liberty, New York
Jewell Belt Hook Co. (Metallic Tipped), Hartford, Conn.
Kayser Raw Hide Co. (Leather), 3018 N B'way, St. Louis, Mo.
Kelton-Bruce Mfg. Co. (Rawhide & Indian Tanned Lace Leather), Salem, Mass.
Kerr & Co. (Metallic), 109 Liberty, New York
Ladew, Edward R. (Est. of) (Leather), 200 William, New York
Loeb Bros. Leather Belting Co., 29 Ferry, New York
Malin & Co. (Composition Wire), 641 Long av, N. W., Cleveland, O.
Missouri Belting Co. ("Giant" Rawhide), St. Louis, Mo.
National Leather Mfg. Co. ("Wolverine" Rawhide), Niles, Mich.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
New York Leather Belting Co. (Leather), 51 Beekman, New York
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Norwich Belt Mfg. Co. ("Defiance" Rawhide, etc.), Norwich, Conn.
Page Belting Co. ("Hercules"), Concord, N. H.
Patterson Tool & Supply Co. ("Peerless" Wire), Dayton, O.
QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)
Schieren, Chas. A. & Co., 80 Ferry, New York
Shultz Belting Co. (Rawhide Lace Leather), 402 Barton, St. Louis, Mo.
Southwick, Geo. W. Co. (Inc.) (Wire), 149 Center, New York
Star Mfg. Co. (Composition Wire), Stamford, Conn.
Summer, Wm. Belting Co. (Leather), Tolland, Conn.
Upson Nut Co. (Metallic), Unionville, Conn., & Cleveland, O.
Walker, Chas. W. (Lace Leather), Newark, N. J.
Weatherhead, Thompson & Co. (Rawhide), Pawtucket, R. I.
Western Rawhide & Belting Co. (Rawhide), Milwaukee, Wis.
Williams, I. B. & Sons (Rawhide & Tanned), Dover, N. H., & 17 W Lake, Chicago, Ill.

Belt Lacing Machines

(See Machinery)

Belt Shifters

BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Builders' Iron Foundry, Providence, R. I.
Chandler & Farquhar Co. ("Pratt"), 36 Federal, Boston, Mass.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Foster Engineering Co., Newark, N. J.
L. & D. Co. ("Pullet"), 88 Broad, Boston, Mass.
Mason Regulator Co., 158 Summer, Boston, Mass.
Mossberg Wrench Co. ("Multi-Pull"), Central Falls, R. I.

Belt Stretching Machines

(See Machinery)

Belt Studs

Buffalo Specialty Co. ("Twist Brand," Cold Rolled Steel), Buffalo, N. Y.

Belt Tighteners

Adams Company, Dubuque, Ia.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Tool & Machine Co., 109 Beach, Boston, Mass.
Billings & Spencer Co., Hartford, Conn.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Burlingame A., Co., Worcester, Mass.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Davis, F. M. Iron Works Co., 8th & Larimer, Denver, Colo.
Diamond Iron Works, Minneapolis, Minn.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, O., & 208 Fulton, New York
Filer & Stowell Co., Milwaukee, Wis.
Goodell-Pratt Co. ("Farley's"), Greenfield, Mass.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co., ft 58th, N W, Cleveland, O.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Hunt, Rodney Machine Co., Orange, Mass.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lane Mfg. Co. (Swing & Slide), Montpelier, Vt.
Lane & Bodley Co., Cincinnati, O.
Link Belt Co., W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Marseilles Mfg. Co., Marseilles, Ill.
Medart Patent Pulley Co. (Various Kinds), 3500 DeKalb, St. Louis, Mo.
Memphis Machine Works, Memphis, Tenn.
Midland Foundry & Machine Works Co., Denver, Colo.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co., 1101 Morris, Indianapolis, Ind.
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Union Iron Works Co., San Francisco, Cal.
U. S. Machine Co., Williamsport, Pa.
Woods, T. B. Sons Co., Chambersburg, Pa.

Belt Webbing

Buffalo Weaving & Belting Co., Buffalo, N. Y.
Hope Webbing Co., Providence, R. I.

Belting Mfrs.

NOTE—The Various Kinds of Belting Manufactured by the Firms listed under this heading are indicated in the parentheses following their names.

(For Dealers in Belting, see Mill & Factory Supplies)

ALABAMA.

MOBILE—**BOSTON BELTING CO.** (Turner Supply Co., Rep.), 23 South Commerce. (See adv. index, end of book)

CALIFORNIA.

LOS ANGELES—**BOSTON BELTING CO.** (Warren & Bailey Mfg. Co., Rep.) (See adv. index, end of book)
SAN FRANCISCO—**BOSTON BELTING CO.** (Simonds Mfg. Co., Rep.) (See adv. index, end of book)
Bowers Rubber Works (Rubber), 57 Sacramento
California Belting & Supply Co. (Leather), 1425 Mission
Cook, H. N. Belting Co. (Leather)
Degen, L. P. Belting Co. (Leather)
Goodyear Rubber Co. (of New York City), 578 Market
Gorham Rubber Co. (Rubber), San Francisco, Cal.
Heins, Alex. Belting Co. (Leather & Rawhide), 2413 Harrison
Revere Rubber Co. (of Boston, Mass.), 590 Mission

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"SPECIAL BELTS FOR WOOD WORKING MACHINERY."
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HUDSON BELTING CO.

TANNERS AND CURRIERS BELTING AND LACE LEATHERS.

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Sheepskin Aprons, Hand Leathers, Round, Twisted and Solid Belting, Strapping, Rubber Belting, Special Belts for Dynamos, Polishing Belts of Every Description. Also, Wood Pulleys.

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American Belt Cement Makes the strongest and most pliable joint known.

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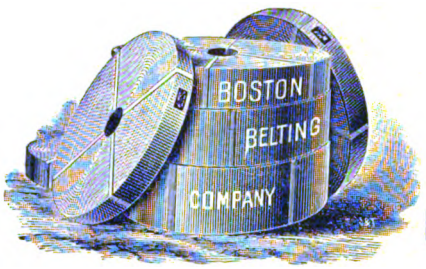
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with extra thick or reinforced rubber cover. We make this kind of belting with a cover especially adapted for carrying coal, ore, sand, cement, gravel and various other materials.

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HENDRICKS' COMMERCIAL REGISTER IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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CONNECTICUT.

BRIDGEPORT—Palmer, N. & Co. ("Charter Oak," Short Lap Leather)
HARTFORD—Jewell Belt Hook Co. (Leather)
MIDDLETOWN—Russell Mfg. Co. (Solid Cotton)
NEW HAVEN—Coe & Brown (Leather), 204 George
NORWICH — Norwich Belt Mfg. Co. (Oak Tanned)
Ulmer Leather Co. (Leather)
TOLLAND—Sumner, Wm. Belting Co. Patent Cotton, Leather Belting, Watch Twist, Angular or V, Round Solid, Plain Cotton & Round Twist)

DELAWARE.

WILMINGTON—McComb, Thos. (Leather), 9 S Broad
Rhoades, J. E. & Sons (Leather), 3d & Orange

GEORGIA.

ATHENS—McConnell, J. C. Belting Co.
ATLANTA—**BOSTON BELTING CO.** (Southern Belting Co., Rep.), 40-46 Forsyth. (See adv. index, end of book)
Ladew, Edward R. (Est. of) ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 18 N Forsyth
Southern Belting Co. (Leather), 40 S Forsyth

ILLINOIS.

CHICAGO—Allen, W. D. Mfg. Co. (Leather), 151 Lake
American Belting Co., 161 E Lake
BOSTON BELTING CO. (Jewell Belting Co., Rep.), 175 Lake. (See adv. index, end of book)
Boston Woven Hose & Rubber Co. (of Cambridge, Mass.) ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck), 145 W Lake
CARPENTER, GEO. B. & CO., 202 S Water. (See adv. index, end of book)
Chicago Belting Co. ("Reliance" & "Sea Lion" Waterproof Leather), 18 S Green
Chicago Rawhide Mfg. Co. ("Krome" & Rawhide Leather), 75 E Ohio
Goodyear Rubber Co. (of New York), 40 Dearborn
Gutta Percha & Rubber Mfg. Co. (of New York City), 224 E Randolph
Hamilton Rubber Mfg. Co. (of Trenton, N. J.), 161 Lake
Hercules Mfg. Co., 4328 Greenwood av
Home Rubber Co. (of Trenton, N. J.), 60 S Canal
JEFFREY MFG. CO. ("Century" Rubber.) (See adv. index, end of book)
Jewell Belting Co. (of Hartford, Conn.), 175 Lake
Ladew, Edward R. (Est. of) of New York City ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 185 E Lake
Lynch, Edw. & Co. (Leather), 84 W Washington
Lyon, Sam'l & Son (Oak Tanned, 20 S Jefferson
Main Belting Co. (of Phila., Pa.), 55 Market
Manhattan Rubber Co. (of New York) (Rubber), 103 Lake
Mechanical Rubber Co. ("Elephant" Rubber), 230 Randolph
Moloney Belting Co. (Leather), 224 Randolph
Munson, Chas. Belting Co. (Leather, Oak Tanned, also Round), 88 Franklin
New York Belting & Packing Co. (Ltd.) (of New York City) (Rubber), 150 Lake
Norwich Belt Mfg. Co. (of Norwich, Conn.), 115 W Washington
Page Belting Co. (of Concord, N. H.), 7 S Jefferson
Revere Rubber Co. (of Boston, Mass.), 168 Lake
Schieren, Chas. A. & Co. (of New York City), 84 Franklin
Summer, Wm. Belting Co. (of Tolland, Conn.), 19 S Canal
United States Chemi Belting Co. ("Chemi" Linen Cord Center), 109 S Jefferson
Williams, I. B. & Sons (of Dover, N. J.), (Oak Tanned Leather), 120 Franklin
Woodcock Bros. (Leather), 66 W Lake

INDIANA.

EVANSVILLE—Evansville Leather & Belting Co. (Leather)
INDIANAPOLIS—**BOSTON BELTING CO.** (Taylor Belting Co., Rep.), 247 S Meridian (See adv. index, end of book)
Hide, Leather & Belting Co., 227 S Meridian

LOUISIANA.

SHREVEPORT—Gulf States Belting & Hose Co. (Leather)

KENTUCKY.

LOUISVILLE — **BOSTON BELTING CO.** (W. & A. C. Semple, Rep.), 311 W Main. (See adv. index, end of book)

LOUISIANA.

NEW ORLEANS—**BOSTON BELTING CO.** (Southern Belting Co. of New Orleans, Rep.), 718-720 Union

MAINE.

BANGOR — **BOSTON BELTING CO.** (M. Schwartz' Sons, Rep.) (See adv. index, end of book)
LEWISTON—Dickey, H. H. & Son (Leather)
SACO—Beatty, J. W. & Co.

MARYLAND.

BALTIMORE—Baltimore Belting Co. (Leather), 113 W Lombard
BOSTON BELTING CO. (Carey Machinery & Supply Co., Rep.), 119-121 E Lombard. (See adv. index, end of book)
Chesapeake Belting Co. (Stitched Canvas), 823 McKim
Gandy Belting Co. (Sewed Cotton Duck), 728 W Pratt
Kelley-Staley Belting Co. (Oak Tanned), 210 N Holliday
Maryland Belting & Packing Co. (Leather), 506 S Dallas
Mount Vernon Belting Co. (Stitched Canvas), 327 Warren av

MASSACHUSETTS.

BOSTON—American Belting & Tanning Co. "Aquamarine" Water Proof Mineral Tanned Leather, Oak Tanned Leather), 185 Oliver
Barnes, Henry K. (Oak & Mineral Tanned Leather, Steam & Water Proof), 104 Franklin
Bay State Belting Co. (Oak & Indian Tanned Leather), 43 High
BOSTON BELTING CO. (Rubber, Stitched, Gutta Balata "Forsyth" "Universal" Patent, Conveyor, Elevator, Endless, Red Frictioned, etc.), 200 Devonshire. (See adv. index, end of book)
Boston Woven Hose & Rubber Co. (of Cambridge, Mass.) ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck), 170 Summer
Carton Belting Co. (Stitched Canvas), 52 Everett, Alls.
Chicago Rawhide Mfg. Co. (of Chicago, Ill.), 139 Congress
Globe Leather Belting Co. (Leather), 151 Pearl
Gutta Percha & Rubber Mfg. Co. (of New York City), 71 Pearl
Hunt, Henry C. Co. (Leather), 32 Oliver
Ireson, C. L. (Leather), 221 High
Knowlton, Geo. W. Rubber Co. (Rubber), 88 Broad
Ladew, Edward R. (Est. of) of New York City ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 228 Franklin
Main Belting Co. (of Phila., Pa.), 120 Pearl
Norwich Belt Mfg. Co. (of Norwich, Conn.), 134 Congress
New York Belting & Packing Co. (Ltd.) (of New York) (Rubber), 232 Summer
Page Belting Co. (of Concord, N. H.), 81 Pearl
Revere Rubber Co. (Giant, Seamless & Stitched Rubber), 77 Bedford
Ruboil Belting Co. (of Philadelphia, Pa.), 179 Summer
Schieren, Chas. A. & Co. (of New York City), 186 Lincoln
Shackley, W. T. & Son (Leather), 49 High
Shultz Belting Co. (of St. Louis, Mo.), (Rawhide & Woven Leather Link), 114
Union Belt Co., 189 Congress High
Williams, I. B. & Sons (of Dover, N H.), 157 Summer
CAMBRIDGE—Boston Woven Hose & Rubber Co. ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck)
FALL RIVER—Union Belt Co. (Oak Tanned)
HOLYOKE—Holyoke Belting Co. (Short Lap Leather & Submarine & Waterproof Leather)
LAWRENCE—McLanathan, F. W. (Leather)
National Belting Co. ("Textol" Canvas & Leather)
LOWELL—Turner, J. S. Mfg. Co. (Oak Tanned Leather)
Whiting, Henry F. (Oak Tanned Leather)
NORTH CHELMSFORD — North Chelmsford Machine & Supply Co. (Oak Tanned Leather)
SALEM—Kelton-Bruce Mfg. Co. (Oak & Indian Tanned Leather)
SOUTH ATTLEBORO — Coupe, Wm. & Co. ("Excelsior" Raw Hide)
WORCESTER—Graton & Knight Mfg. Co. (Oak Tanned Leather)
HUDSON BELTING CO. (Stretched Oak, Mineral & Indian Tanned Leather). (See adv. below)
Multiple Woven Hose & Rubber Co. (Solid, Multiple Woven Waterproof)
Warren, J. F. & W. H. Co. (Oak Tanned)

MICHIGAN.

DETROIT—Climax Oak Belting Co., 27 Bates
Detroit Oak Belting Co. (Oak Tanned, Short Lap), 262 Wight
Wormer, C. C. Machinery Co., 97 Woodbridge W
GRAND RAPIDS — Barclay, Ayers & Bertsch Co. (Oak Tanned Short Lap)
Rainville, Felix, 3 Pearl
NILES — National Leather Mfg. Co. ("National" Surface Tan & Oak Tan, etc.)

MINNESOTA.

MINNEAPOLIS—Nott, W. S. Co. (Oak Tanned Leather)
Sikes, S. R. Co. (Leather), 915 Wash'n av, S.
ST. PAUL — **BOSTON BELTING CO.** (Crane & Ordway Co., Rep.), 5th & Rosabel. (See adv. index, end of book)

MISSOURI.

KANSAS CITY — **BOSTON BELTING CO.** (English Tool & Supply Co., Rep.), 1308-1310 Grand av. (See adv. index, end of book)
ST. LOUIS—Bennett Dreyer Belting Co., 3110 N 11th
BOSTON BELTING CO. (Handlan-Buck Mfg. Co., Rep.), 210-214 N 3d. (See adv. index, end of book)
Byrnes, J. W. Belting & Hose Co. (Leather, Canvas & Rubber), 914 N 2d
Graton & Knight Mfg. Co. (of Worcester, Mass.), 614 N 3d
Hartmann, E. Hide & Leather Co. (Leather). 1905 Shenandoah av
Manhattan Rubber Mfg. Co. (of New York City), 214 N 2d
Missouri Belting Co. ("Giant" Rawhide & Oak Tanned Leather), 120 S Commercial
New York Belting & Packing Co. (of New York City), 218 Chestnut
Page Belting Co. (of Concord, N. H.), 320 N 3d
Shultz Belting Co. (Raw Hide & Woven Leather Link), 402 Barton
Spring Belting Co. (Leather), 715 N 2d

NEW HAMPSHIRE.

CONCORD—Page Belting Co. (Leather)
DOVER—Williams, I. B. & Sons (Oak Tanned Leather)

NEW JERSEY.

BLOOMFIELD—Combination Rubber Mfg. Co. (Rubber)
Crisp, Jas. & Co. (Round & Twist, etc.)
JERSEY CITY—Eureka Fire Hose Co. (Cotton Machine)
N. J. Car Spring & Rubber Co. (Quilt Stitched), E. R. av c Brunswick
Voorhees Rubber Mfg. Co. (Rubber, "Criterion," "Union," "Federal," "Bostwick," "American," "Conqueror," "Corliss," "Sensation," "Clairmont," "Power")
NEWARK — Couse & Bolton (Oak Tanned Leather), 25 Camfield
De Forge Belting Co. (Oak Tanned, Short Lap Leather), 84 Mechanic
Gaskell, Chas. L., 29 Filmore
Ladew, Edward R. (Est. of), of New York City ("Hoyt," "Flintstone" Short-Lap Oak Tanned Belting), 307 Market
Meier's, Joseph Sons (Leather, "Steer Brand"), 306 Market
Phoenix Leather Belting Co. (Oak Tanned), 225 Bruce

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ROSSENDALE - REDDAWAY Belting & Hose Co. ("Sphinx" & Other Brands of Stitched Canvas Belting; also the "Camel" Brand Hair Belting). (See adv. index, end of book)
Walker, Chas. W. (Oak Tanned)
WALSH'S SONS & CO. (See adv. index, end of book)

PASSAIC—Manhattan Rubber Mfg. Co. (See New York)
New York Belting & Packing Co. (See New York)

TRENTON—Consolidated Rubber Co. (Rubber)
Orescent Belting & Packing Co. (Rubber)
Empire Rubber Mfg. Co. (Rubber & Stitched)
Hamilton Rubber Mfg. Co. (Rubber)
Home Rubber Co. (Rubber)
Lanning, Geo. W. (Oak Leather, etc.)
Thermoid Rubber Co. (Rubber)
United & Globe Rubber Mfg. Co. (Rubber)
Whitehead Bros. Rubber Co. (Rubber)

NEW YORK.

ALBANY — Albany Belting & Supply Co. (Leather), 372 B'way

BUFFALO — **BICKFORD & FRANCIS** Belting Co. (Leather), 37 Pearl. (See adv. index, end of book)
BOSTON BELTING CO. (Rubber, Stitched, Gutta Percha, "Forsyth" Patent "Universal" Conveyor, Elevator, Endless, Red Frictioned, etc.), 90 Pearl. (See adv. index, end of book)
Buffalo Belting Works (Leather), 18 Ellicott
Buffalo Weaving & Belting Co. (Solid Cotton Machine, 2 to 12 Ply; also Rubber), 234 Chandler
Peerless Belting Co., 105 Main

LOCKPORT—Empire Mfg. Co. (Cotton Rubber Lined)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Leather Belting Co., 42 S 6th
N. Y. Leather Belting Co., 467 Kent av
Schieren, Chas. A. & Co. (Leather), 523 3d av

Boroughs of Manhattan & Bronx.

NEW YORK—Ballard, Stephen Rubber Co., 90 W B'way
Bishop Gutta Percha Co. (Gutta Percha), 422 E 25th
BOSTON BELTING CO. (of Boston, Mass.) (Rubber, Stitched, Gutta Balata, "Forsyth" Patent "Universal" Conveyor, Elevator, Endless, Red Frictioned, etc.), 100 Reade. (See adv. index, end of book)
Boston Woven Hose & Rubber Co. (of Cambridge, Mass.) ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck), 116 Duane
Boyle, John & Co. (Solid Woven Cotton, Rubber Filled), 112 Duane
Bradford Belting Co. (of Cincinnati, O.), 88 Reade
Chicago Belting Co. (of Chicago, Ill.), 253 Reade
Chicago Raw Hide Mfg. Co. (of Chicago, Ill.), 123 Liberty
Duryea Mfg. Co. ("Wooster's" Cotton Waterproof), 69 Wall
Empire Rubber Mfg. Co. (of Trenton, N. J.) (Rubber & Stitched), 148 Chambers
Eureka Fire Hose Co. (Cotton Machine), 13 Barclay
Fay Belting Co. (Indian Tanned Leather), 3 Jacob
FAY, W. C. BELTING CO. (Oak Tanned), 78 Warren
Gandy Belting Co. (of Baltimore, Md.), 88 Reade
Goodyear Rubber Co., 787 B'way
Graton & Knight Mfg. Co. (of Worcester, Mass.), 72 Warren
Gutta Percha & Rubber Mfg. Co., 126 Duane
Home Rubber Co. (of Trenton, N. J.), 80
Imperial Rubber Co., 253 B'way Reade
JEFFREY MFG. CO. ("Century" Rubber), 77 Warren. (See adv. index, end of book)
Jewell Belting Co. (of Hartford, Conn.), 211 Center
Ladew, Edward R. (Est. of) of New York City ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 200 William
Loeb Bros. Leather Belting Co. (Leather), 29 Ferry
Main Belting Co. (of Phila., Pa.), 309 B'way
Manhattan Rubber Mfg. Co. ("Condor" Rubber), 18 Vesey
Mechanical Rubber Co. (Rubber), 73 Reade
Mineralized Rubber Co. ("Mincot" Rubber), 18 Cliff
Missouri Belting Co. (of St. Louis, Mo.), 120 Liberty
National Leather Belting Co., 29 Ferry
New York Belting & Packing Co. (Ltd.), 91 Chambers
New York Leather Belting Co. (Oak Tanned), 51 Beekman
New York Rubber Co. (Rubber), 84 Reade
Page Belting Co. (of Concord, N. H.), 78 Cliff
Providence Belting Co. (of Providence, R. I.), 69 Centre
Rahmann, Geo. & Co. (Leather), 6 Ferry
Rhoades, J. E. & Sons (of Wilmington, Del.), 40 Fulton
Revere Rubber Co. (of Boston, Mass.), 59 Reade
Robins New Conveyor Co. ("Robin's" Laminated Leather, Conveyor & Balata for Power Transmission, 72 Front
ROLLED STEEL LINK BELT & Conveyor Co., 150 B'way. (See adv. index, end of book)
Schieren, Chas. A. & Co. (Oak Tanned Leather, etc.), 30 Ferry
Shultz Belting Co. (of St. Louis, Mo., Rawhide & Aqua Waterproof), 111 Chambers
Southwick, Geo. W. Co. (Inc.) (Reinforced Double), 90 Centre
Stine, J. R. & Co. (Leather), 51 Beekman
STRONG MACHINERY & SUPPLY Co. ("Strong's" Tisafine), 48 Franklin. (See adv. index, end of book)
Voorhees Rubber Mfg. Co. (Nubian Rubber), 48 Dey
Waterbury Rubber Mfg. Co. (Rubber), 75 Warren

(End of New York City)

ROCHESTER—Cross Bros. & Co. (Leather)
SYRACUSE—Syracuse Supply Co. (Oak Tanned Leather), 314 W Fayette
TROY—Barnum Bros. Co. (Oak Tanned)
Troy Belting & Supply Co. (Leather), 6 Grand
Pine & Co., 3d av, & 21st
UTICA — Smyth-Despard Co. (Oak Tanned Leather)

NORTH CAROLINA.

CHARLOTTE—Charlotte Leather Belting Co.

OHIO.

AKRON—Akron Belting Co. (Leather "Akron" Brand)
DIAMOND RUBBER CO. (Rubber "Python," "Titan," "Sphinx," "Gulf," "Moose & "Lynx"). (See adv. index, end of book)
Goodrich, B. F. Co. ("Goodrich," "Pilgrim." "Pinnacle," "Cycle," "Rob Roy," "Marathon")

CINCINNATI—**BOSTON BELTING CO.** (Queen City Supply Co., Rep.), 201 W Pearl. (See adv. index, end of book)
Bradford Belting Co. (Leather), 2d c Walnut
Burr Oak Belting Co., 521 Livingston
Cincinnati Rubber Mfg. Co. (Rubber)
Eagle Belting Co. (Leather), 22 E Canal
Eagle Counter & Leather Co. (Leather), 414 E 8th
Franklin Cotton Mill Co. (Cotton), Charles & Plum
Regal Belting Co. (Leather) 1811 Linn

CLEVELAND—**BOSTON BELTING CO.** (W. Bingham Co., Rep.), 1433-1455 9th, N. W. (See adv. index, end of book)
Cleveland Belting & Machinery Co., 8 Long
Consumers Rubber Co. (Rubber, etc.), 1407 W 6th, N. W.
Consumers Rubber Works (Rubber, etc.), 1407 W 6th, N. W.
Mechanical Rubber Co. (Rubber), C & P & Nickel Plate R. R.
Republic Belting Co. (Leather Oak Tanned), 1616 W 3d
Sawyer Belting Co. (Canvas Stitched)
Williams, R. A. Co., 1614 Columbus rd

COLUMBUS — **JEFFREY MFG. CO.** ("Century" Rubber.) (See adv. index, end of book)

TOLEDO — **BOSTON BELTING CO.** (Bostwick, Braun Co., Rep.) (See adv. index, end of book)
Hettrick Bros. Co. ("Hettrick's" Hemp)

YOUNGSTOWN — American Belting Co. ("Alpha," Heavy Canvas)
Republic Rubber Co. (Rubber)

OREGON.

PORTLAND—**BOSTON BELTING CO.** (Simonds Mfg. Co., Rep.), 65 First. (See adv. index, end of book)
Page Belting Co. (of Concord, N. H.), 66 1st

PENNSYLVANIA.

ALLENTOWN — **BOSTON BELTING CO.** (Wm. H. Taylor & Co., Rep.), 250 Hamilton. (See adv. index, end of book)

CHESTER—Wilby, Thos. & Sons (Leather)

ERIE—Continental Rubber Works (Rubber)

HAZLETON — **BOSTON BELTING CO.** (Hazleton Machinery & Supply Co., Rep.). (See adv. index, end of book)

LANCASTER—Helvetia Leather Co.

PHILADELPHIA—Alexander Bros. (Oak Tanned), 406 N 3d
Arny, C. W. & Son (Oak Tanned), Trenton av c E Somerset
Barlow Bros. (Leather), 547 N 64th
Bond, Chas. Co. (Leather), 520 Arch
BOSTON BELTING CO. (Mulconroy Co. (Inc.), Rep.), 722 Arch. (See adv. index, end of book)
Bowen & Martin (Leather), 112 S 2d
Brown, D. P. & Co. ("Teon," made in England), 264 N 4th
Chicago Belting Co. (of Chicago, Ill.), 234 N 3d
Etsweiler & Blackburn (Indian Tanned), 230 N 3d
Fisher Leather Belting Co., 408 Vine
Gilmer, L. H. Co. (Leather), 504 Arch
Graton & Knight Mfg. Co. (of Worcester, Mass.), 132 N 3d
Jewell Belting Co. (of Hartford, Conn.), 240 Somerset
Ladew, Edward R. (Est. of) of New York City ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 16 S 3d
Main Belting Co. ("Leviathan," Canvas), 1237 Carpenter
National Mat & Belt Co., Frankford
New York Belting & Packing Co. (Ltd.) (of New York City) (Rubber), 118 N 8th
Page Belting Co. (of Concord, N. H.), 43 N 7th
Paulus, Jos. C. & Co. (Leather), 2507 Potter
Pechin, Jno. W. (Oak Leather), 31 S 3d
Pechin, T. E. (Oak Leather), Front c Oxford
Quaker City Rubber Co. (Chas. A. Daniel, Prop.) (Rubber), 629 Market
Restein, Clement & Co. (Rubber, etc.), 139 N 2d
Revere Rubber Co. (of Boston, Mass.) Drexel bldg
Rhoades, J. E. & Sons (of Wilmington, Del.), 12 N 3d
Richie, Crawford & Co. (Leather), 420 N 3d
Ruboil Belting Co. ("Ruboil" Canvas), 47 N 7th
Schieren, Chas. A. & Co. (Of New York City), 226 N 3d. Factory, N. Y.
Shultz Belting Co. (Of St. Louis, Mo.) (Rawhide & Woven Leather Link), 116 N 3d
Wise & Bailey (Leather), 108 Walnut

PITTSBURG — **BOSTON BELTING CO.** (J. & H. Phillips, Rep.), 136 6th. (See adv. index, end of book)
Hartley-Rose Belting Co. (Leather), 423 1st av
JEFFREY MFG. CO. ("Century" Rubber.) (See adv. index, end of book)
Ladew, Edward R. (Est. of) of New York City ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 112 Market
Pittsburg Rubber & Leather Co. (Leather), 14 Wood
PITTSBURGH GAGE & SUPPLY Co., 30th & Liberty av. (See adv. index, end of book)
Revere Rubber Co. (of Boston, Mass.), Hartge bldg
Schieren, Chas. A. & Co. (of New York City), 240 3d av

SCRANTON—**BOSTON BELTING CO.** (Scranton Supply & Machinery Co., Rep.), 131 Wyoming. (See adv. index, end of book)

RHODE ISLAND.

PAWTUCKET—Bucklin, C. R. Belting Co.
Weatherhead, Thompson & Co. (Leather)

PROVIDENCE—Brown Bros. Co. (Leather)
Norwich Belt Co. (of Norwich, Conn.)
Providence Belting Co. (Oak Tanned & Waterproof Copper - Wire - Sewed Oak Leather

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TENNESSEE.

MEMPHIS—**BOSTON BELTING CO.** (Towner & Co., Rep.), 78 N Main. (See adv. index, end of book)
NASHVILLE—**BOSTON BELTING CO.** (Keith, Simmons & Co. Rep.), 316-318 Union. (See adv. index, end of book)

VIRGINIA.

RICHMOND—Richmond Leather Mfg. Co. (Leather), 2201 E Cary
Virginia Leather Co. (Oak Tanned), Chamber of Commerce bldg

WASHINGTON.

SEATTLE—**BOSTON BELTING CO.** (Simonds Mfg. Co.), 119 Jackson. (See adv. index, end of book)
Graton & Knight Mfg. Co. (of Worcester, Mass.)
Jewell Belting Co. (of Hartford, Conn.)

WISCONSIN.

MILWAUKEE—Milwaukee Leather Belting Co.
Western Raw Hide & Belting Co. ("White" Rawhide & "Superior" "Hammond" Surface Tanned)

Belting Mfrs. (Angular)

Page Belting Co., Concord, N. H.
Rahmann & Co., 6 Ferry, New York
Sumner, Wm. Belting Co. (Or V Belting), Tolland, Conn.

Belting Mfrs. (Balata)

Robins New Conveyor Co., 72 Front, New York

*Belting Mfrs. (Camel's Hair)

ROSSENDALE - REDDAWAY BELTing & Hose Co. (The "Camel" Brand Hair Belting), Main Office & Works, Newark, N. J. (See adv. index, end of book)

Belting Mfrs. (Canvas, Linen Cord Center)

United States Chemi Belting Co. ("Chemi"), 109 S Jefferson, Chicago, Ill.

Belting Mfrs. (Canvas, Rawhide Center)

Chicago Rawhide Mfg. Co. (Flint Hide Belting, Preston Patent), 75 E Ohio, Chicago, Ill.

Belting Mfrs. (Canvas Stitched)

American Belting Co., Youngstown, O.
Boston Woven Hose & Rubber Co. ("Milo" Stitched Canvas), Cambridge, Mass.
Carton Belting Co. ("Carton," Stitched Canvas), Boston, Mass.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Empire Rubber Mfg. Co., Trenton, N. J., & 148 Chambers, New York
Gandy Belting Co., Baltimore, Md.
Main Belting Co. ("Leviathan"), 1219 Carpenter, Phila., Pa.
Mount Vernon Belting Co., 327 Warren av, Baltimore, Md.
National Belting Co., Lawrence, Mass.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Leather Belting Co. ("Victory"), 51 Beekman, New York
Page Belting Co., Concord, N. H.
ROSSENDALE - REDDAWAY BELTing & Hose Co. ("Sphinx" & Other Brands), Newark, N. J. (See adv. index, end of book)
Ruboil Belting Co., Bourse bldg, Phila., Pa.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sawyer Belting Co., Cleveland, O.
Trenton Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co. (Stitched Cotton Duck), Jersey City, N. J.

Belting Mfrs. (Chain or Link)

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Buhl Malleable Co., Wight & Adair, Detroit, Mich
Caldwell, H. W. & Son Co., Western av & 17th, Chicago, Ill.
Chain Belt Co., Milwaukee, Wis.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Dodge Mfg. Co., Mishawanka, Ind.
Exeter Machine Works, Pittston, Pa.
Forster, Waterbury & Co. (Detachable), Franklin Park, Ill.
Herschel, R. Mfg. Co., Peoria, Ill.
Howe Scale Co. of Illinois, 1315 Wabash av, Chicago, Ill.
JEFFREY MFG. CO. (Steel), Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th c Stewart av, Chicago, Ill., & 299 B'way, New York
Link Chain Belt Co. ("Clouser"), 52 Dey, New York
Link, Jas. H. Machinery Co. ("Arrow Brand" Detachable Chain), Williamsport, Pa.
Mey Chain Belting Engineering Works, 77 Washington, Buffalo, N. Y.
Michigan Sprocket Chain Co., Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Moore & Lorens Co., 816 Fulton, Chicago, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
ROLLED STEEL LINK BELT & CONveyor Co., 150 B'way, New York. (See adv. index, end of book)
Scaife Foundry & Machine Co., 28th & Smallman, Pittsburg, Pa.
Stowell Mfg. & Foundry Co. (Malleable Iron), S Milwaukee, Wis.
Taylor Iron & Steel Co. (Link), High Bridge, N. J.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG CO., 124 E. North av, Chicago. (See adv. index, end of book)
West Allis Malleable Iron & Chain Belt Co., West Allis, Wis.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Belting Mfrs. (Conveyor)

American Belting Co. ("Alpha," "American" Thresher), Youngstown, O.
BOSTON BELTING CO., Boston, Mass. (See adv. index, end of book)
Boston Woven Hose & Rubber Co. (Rubber Conveyor & Transmission), Cambridge, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
DIAMOND RUBBER CO. ("Goss"), etc.), Akron, O. (See adv. index, end of book)
Duryea Mfg. Co. ("Wooster's"), 69 Wall, New York
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)
Robins New Conveyor Co., 72 Front, New York
ROLLED STEEL LINK BELT CO., 150 B'way, New York. (See adv. index, end of book)
Sumner, Wm. Belting Co. (Patent Cotton Leather), Tolland, Conn.
Voorhees Rubber Mfg. Co., Jersey City, N. J.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Belting Mfrs. (Detachable Link)

(See Belting Manufacturers, Chain or Link)

Belting Mfrs. (Dynamo)

Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Shultz Belting Co., 402 Barton, St. Louis, Mo.
Western Rawhide & Belting Co. (Surface Tan), 7th av & S Pierce, Milwaukee, Wis.

Belting Mfrs. (Elevator)

(See Belting Manufacturers, Conveyor)

Belting Mfrs. (Laminated Leather)

Robins New Conveyor Co. ("Robins"), 72 Front, New York

Belting Mfrs. (Leather)

(See Belting Manufacturers)

Belting Mfrs. (Leather Link)

National Mat & Belt Co., Frankfort, Phila., Pa.

Belting Mfrs. (Perforated)

Schieren, Chas. A. & Co. (Electric), 30 Ferry, New York

Belting Mfrs. (Raw Hide)

Bay State Belting Co. (Indian Tan), 43 High, Boston, Mass.
Chicago Rawhide Mfg. Co., 75 E. Ohio, Chicago, Ill.
Coupe, Wm. & Co. ("Flexible," "Excelsior"), South Attleboro, Mass.
Kelton-Bruce Mfg. Co. (Indian Tan), Salem, Mass.
Missouri Belting Co. ("Giant"), 120 S Commercial, St. Louis, Mo.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Shultz Belting Co. ("Shultz Sable"), 402 Barton, St. Louis, Mo.
Western Rawhide & Belting Co. ("White"), Milwaukee, Wis.

Belting Mfrs. (Rawhide, Canvas Center)

Shultz Belting Co., 402 Barton, St. Louis, Mo.

Belting Mfrs. (Rope)

American Mfg. Co. (Manila, Sisal, etc.), 65 Wall, New York
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
National Leather Mfg. Co. (Rawhide, Surface Tan), Niles, Mich.
Page Belting Co., Concord, N. H.
Western Rawhide & Belting Co. (Rawhide), 7th av & S Pierce, Milwaukee, Wis.

Belting Mfrs. (Round or Twist)

Bay State Belting Co., 43 High, Boston, Mass.
Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
Coupe, Wm. & Co. (Rawhide Round), South Attleboro, Mass.
Crisp, James & Co., Bloomfield, N. J.
Graton & Knight Mfg. Co., Worcester, Mass.
HUDSON BELTING CO., Worcester, Mass. (See adv. index, end of book)
Jewell Belt Hook Co., Hartford, Conn.
Ladew, Edward R. (Est. of) (Leather), 200 William, New York
Missouri Belting Co. ("Giant"), St. Louis, Mo.
National Leather Mfg. Co. (Rawhide, Surface Tan), Niles, Mich.
New York Leather Belting Co., 51 Beekman, New York
Page Belting Co. ("Crown" Leather), Concord, N. H.
Providence Belting Co. (Folded Twist), 25 Charles, Providence, R. I.
Rhoads, J. E. & Sons, Wilmington, Del.
Sumner, Wm. Belting Co. (Patent Cotton Leather), Tolland, Conn.
Western Rawhide & Belting Co., Milwaukee, Wis.
Williams, I. B. & Sons ("Gilt Edge" Round), Dover, N. H.

Belting Mfrs. (Rubber)

(See Belting Manufacturers)

Belting Mfrs. (Sewing Machine)

(See Belting Manufacturers, Round or Twist)

Belting Mfrs. (Solid Cotton)

Bay State Belting Co. ("Standard"), 43 High, Boston, Mass.
Boyle, John & Co., 112 Duane, New York
Buffalo Weaving & Belting Co., Buffalo, N. Y.
Duryea Mfg. Co. ("Wooster's"), 69 Wall, New York
Empire Mfg. Co. ("Empire" Waterproof), Lockport, N. Y.
Eureka Fire Hose Co., 13 Barclay, New York; Works: Jersey City, N. J.
Franklin Cotton Mill Co., Charles & Plum, Cincinnati, O.
Page Belting Co., Concord, N. H.
Russell Mfg. Co., Middletown, Conn.

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Belting Mfrs. (Thresher)

American Belting Co. (Endless Stitched Canvas, "Alpha," "American" Thresher), Youngstown, O.
Boston Woven Hose & Rubber Co. ("Grain King" Canvas), Cambridge, Mass.
Carton Belting Co. ("Carton," Endless), Boston, Mass.
Chesapeake Belting Co. (Endless Stitched Canvas), Baltimore, Md.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Gandy Belting Co. (Endless Stitched Canvas), Baltimore, Md.
Gilmer, L. H. & Co. (Endless), 504 Arch, Philadelphia, Pa.
Goodrich, B. F. Co., Akron, O.
ROSSENDALE-REDDAWAY BELTing & Hose Co. (Endless Stitched Canvas), Newark, N. J. (See adv. index end of book)
Sawyer Belting Co. (Endless Stitched Canvas), Cleveland, O.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Belting Mfrs. (Waterproof)

Chicago Belting Co. ("Sea Lion," Leather), Chicago, Ill.
Duryea Mfg. Co. ("Wooster's" Cotton), 69 Wall, New York
HUDSON BELTING CO. ("Mermaid"), Worcester, Mass. (See adv. index, end of book)
Multiple Woven Hose & Rubber Co. (Solid Multiple Woven), Worcester, Mass.
Nott, W. S. Co. ("Hero"), Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Williams, I. B. & Sons ("Shedlte"), Dover, N. H.

Belting Mfrs. (Woven Leather)

American Woven Belting Co., Springfield, Mass.
New York Leather Belting Co. ("Viking"), 51 Beekman, New York

Belts (Linemen's)

Bunge, Otto, Indianapolis, Ind.
Dicke, C. H. Tool Co., Downers Grove, Ill.
Feeser, Frank S. Co., Indianapolis, Ind.
Galewski, Adolph, 323 B'way, New York
Klein, Mathias & Sons, 78 W Van Buren, Chicago, Ill.
Meckel, Fred L., 83 E 13th, Chicago, Ill.

Belts (Polishing)

Ames Sword Co. (Endless Silk Sewed), Chicopee, Mass.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Gilmer, L. H. & Co. ("Gilmer" Endless), 504 Arch, Philadelphia, Pa.
Goodrich, B. F. Co., Akron, O.
HUDSON BELTING CO., Worcester, Mass. (See adv. index, end of book)
Manhattan Rubber Mfg. Co. (Canvas with Rubber Insertion), 18 Vesey, New York
Page Belting Co. (Leather), Concord, N. H.

Bench Legs

Bethlehem Foundry & Machine Co. (Carpenters' & Pattern Makers'), Front, South Bethlehem, Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

Bench Stops

Bonny Vise & Tool Works (Inc.), Allentown, Pa.
Cincinnati Tool Co., Norwood, Cincinnati, O.
MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)
Sheldon, E. H. & Co. ("Sheldon's" Quick Set), 84 N May, Chicago, Ill.
Smith, Seymour & Son, Oakville, Conn.
Stearns, E. C. Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.
Vaughn & Bushnell Mfg. Co. ("V. & B." German Pattern), 875 W Carroll av, Chicago, Ill.

Benches (Cabinet & Pattern Makers', Etc.)

American Tool Chest Co., 200 W Houston, New York
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Ohio Tool Co., Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
Sheldon, E. H. & Co., 84 N May, Chicago, Ill.

Benches (Cutting)

Boos, John & Co., Effingham, Ill.
Petoskey Block & Mfg. Co. (All Kinds), Petoskey, Mich.
Wilson Mfg. Co., Appleton, Wis.

Benches (Draw)

Bates Machine Co., Joliet, Ill.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Morgan Construction Co., Worcester, Mass.
Ohl, Geo. A. & Co. (20 ft also 24 ft), Newark, N. J.
Oliver, W. W. Mfg. Co. (Jewelers, etc.), 1485 Niagara, Buffalo, N. Y
Perkins Machine Co. (Belt Power & Electrically Driven), Warren, Mass
Richard Mfg. Co. Co., Bloomsburg, Pa.
Standard Machinery Co., Providence, R. I.
Vulcan Foundry & Machine Co., New Castle, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Benches (Gas Retort)

Baltimore Gas Retort & Fire Brick Co. (Half & Full Depth & Free Firing), Baltimore, Md.
Didier-March Co. ("Dessau," System of Vertical Retorts), 50 Church, New York
Gardner, Jas., Jr. Co. (Plain & Recuperative), Lockport, Pa.
Gas Bench Construction Co. (For Coal Gas), St. Louis, Mo.
Improved Equipment Co., 60 Wall, New York
Isbell-Porter Co., Newark, N. J.
Laclede-Christy Clay Product Co. ("Laclede-Christy"), St. Louis, Mo.
Missouri Fire Brick Co. (Inclined Benches), St. Louis, Mo.
Parker-Russell Mining & Mfg. Co., St. Louis, Mo.

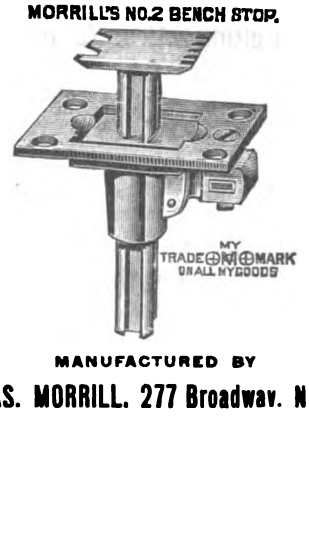
*Benches (Hydraulic Draw)

WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Benches (Machinists' Work)

Ohio Ceramic Engineering Co., Cleveland, O
Vanderman Plumbing & Heating Co., Willimantic, Conn

MORRILL'S NO.2 BENCH STOP.



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CHAS. MORRILL. 277 Broadway. N. Y.

Benches (Manual Training)

Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Ohio Tool Co., Columbus, O.
Pinches, Jno. Co., New Britain, Conn.
Sheldon, E. H. & Co., 84 N May, Chicago, Ill.

Benches (Molders')

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hudson, J. M. ("Hudson"), Piqua, O.

Benches (Movable & Stationary)

Western Tool & Mfg. Co., Springfield, O.
Zering, H. Mfg. Co., Cincinnati, O.

Benches (Saw)

(See Saw Benches)

Benches (Scraper)

Reed, F. E. Co. (For Machine Shops), Worcester, Mass.

Benches (Wire Drawing)

(See Wire Drawing Machinery)

Benches (Work)

Manufacturing, Equipment & Engineering Co., 209 Washington, Boston, Mass.

Benders (Angle & Eye, Hand Power)

Estep & Dolan (Also Ring & Hinge), Sandwich, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Novelty Iron Works (G. E. Davis., Prop.), Dubuque, Ia.
Wallace Supply Co., 23 S Jefferson, Chicago, Ill.

Benders (Conduit)

Benson, Wm. W. & Co. ("El-Bend"), Penn. Mutual bldg, Phila., Pa.
Chicago Pneumatic Tool Co. ("Little Giant"), Fisher bldg, Chicago, Ill.
Glaze-Morris Mfg. Co. ("Jem"), Columbus, O.
Rittenhouse, A. E. Co. ("Rittenhouse"), Scranton, Pa.
Smith, Chas. A. ("P. & S."), 245 Church la. Gtn., Phila., Pa.
Steel City Electric Co. ("Fullman" Electric & Hand), Pittsburg, Pa.
Thomas & Betts Co. ("Lakin." "Standard," "Hickey"), 299, B'way, New York
Vanderman Plumbing & Heating Co., Willimantic, Conn.
Wrigley, Thos. Co., 800 Dearborn, Chicago, Ill.

Benders (Hook & Eye)

Kidder, J. F. Mfg. Co., Burlington, Vt.

Benders (Lead Pipe)

BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv index, end of book)
Cleveland Wire Spring Co., Cleveland, O.
Lord, L. L. Co. ("Lord"), Meadville, Pa.
Mark Mfg. Co., Evanston, Ill.
Morgan Spring Co., Worcester, Mass.
Raymond Mfg. Co., Corry, Pa.

Benders (Rail)

(See Rail Benders; also Rail Bending & Straightening Machines)

Benders (Ring)

Wallace Supply Co. (Hand Power, from 1 to 20 inch Rings), 23 S Jefferson, Chicago, Ill.

Benders (Tire)

American Foundry & Mfg. Co., 11th & Heibert, St. Louis, Mo.
Boynton & Plummer, Worcester, Mass.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Comstock, Geo. S., Mechanicsburg, Pa.
Concord Axle Co., Penacook, N. H.
Fulton Iron Works ("Detroit" Perfected), Detroit, Mich

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Haven Malleable Casting Co., Cincinnati, O.
Illinois Iron & Bolt Co. ("I. I. & B. Co." Roller Bearing), Carpentersville, Ill.
Kane & Roach, Syracuse, N. Y.
Potts, David H., Lancaster, Pa.
Southern Skein & Foundry Co. (Common & Roller Bearing), Chattanooga, Tenn.
Swett, A. L. Iron Works, Medina, N. Y.
Weybourn, Co. ("Rockford Ideal"), Rockford, Ill
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.
Williams, White & Co. (Also Welders), Moline, Ill.

Bends (Return)

LUNKENHEIMER CO. (Brass), General offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
National Tube Co. (Cast, Malleable & Iron), Pittsburg, Pa.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

Benzine

Bulls Head Oil Works, San Francisco, Cal.
Crew, Levick Co., Philadelphia, Pa.
Emery Mfg. Co., Bradford, Pa.
Non-Explosion Oil Co. of America, Baltimore, Md.
Union Petroleum Co., Phila., Pa.

Benzol Refiners

Barrett Mfg. Co., Land Title bldg, Phila., Pa.
CABOT, SAMUEL (Inc.), 141 Milk, Boston, Mass. (See adv. index, end of book)
McClintock & Irvine (Crude), Neville & Pa. R. R., Allegheny, Pa.
National Aniline & Chemical Co. ("C. P.-90 Per Cent., & Straw Colored), 100 William, New York
Pacific Refining & Roofing Co., 113 New Montgomery, San Francisco, Cal.
Solvay Process Co., 25 A K bldg, Syracuse, N.Y.
White Tar Co., 101 N Moore, New York

Berths & Bunks (Metallic)

Lein, Irvine & Co., 332 E 23d, New York

Bevels

Athol Machine Co., Athol, Mass.
Bemis & Call Hardware & Tool Co., Springfield, Mass.
Braunsdorf-Mueller Co. (T Perfection), Elisabeth, N. J.
Calhoon, A. D. & Co. ("Calhoon," Rafter & Polygon), Perry, Mo.
Chapin-Stephens Co. (Ship Carpenters', etc.), Pine Meadow, Conn.
Disston, Henry & Sons (Inc.), Tacony, Philadelphia, Pa.
Massachusetts Tool Co. (Draughtmans') Greenfield, Mass.
Sawyer Tool Mfg. Co. (Combination), Fitchburg, Mass.
Stanley Rule & Level Co., New Britain, Conn.
STARRETT, L. S. CO. (Combination Universal, etc.), Athol, Mass. (See adv. index & branch offices, end of book)

Bibbs

(See Cocks & Bibbs)

Bi-Chloride of Tin

Grasselli Chemical Co., The Arcade, Cleveland, O., & 63 Wall, New York

Bicycle Mfrs.

(See also Motor Cycles)

Arnold, Schwinn & Co., Chicago, Ill.
Consolidated Mfg. Co. ("Yale"), Toledo, O.
Davis Sewing Machine Co., Dayton, O.
Emblem Mfg. Co., Angola, N. Y.
Fowler-Manson-Sherman Cycle Mfg. Co., Chicago, Ill.
Gendron Wheel Co., Toledo, O.
Great Western Mfg. Co., La Porte, Ind.
Hendee Mfg. Co., Springfield, Mass.
Hudson Mfg. Co., Hudson, Mich.
Johnson, Iver, Arms & Cycle Works, Fitchburg, Mass.
Keim, Jno. R. Mills (Inc.), Buffalo, N. Y.
Liberty Cycle Co. ("Liberty," "Bridgeport"), Bridgeport, Conn.
Light Mfg. & Foundry Co., Pottstown, Pa.
Miami Cycle & Mfg. Co. ("Racycle"), Middletown, O.
National Cycle Mfg. Co., Bay City, Mich.
Pierce Cycle Co., Buffalo, N. Y.
Pope Mfg. Co., Hartford, Conn.
Reading Standard Co., Reading, Pa.
Snyder, H. P., Little Falls, N. Y.
Strohm, W. A. & Bro., 588 W Lake, Chicago, Ill.
Toledo Metal Wheel Co., Toledo, O.
Waltham Mfg. Co., Waltham, Mass.
Worthington Co., Elyria, O.

Bicycle Parts & Sundries

(See also Bolts, Bicycle; also Chains, Bicycle; also Nuts, Bicycle; also Pumps, Bicycle; also Screws, Bicycle; also Springs, Bicycle; also Tubing, Bicycle)

Aurora Automatic Machinery Co. (Hubs), Aurora, Ill
Beckley-Ralston Co., 80 Michigan av, Chicago, Ill
Bevin Bros. Mfg. Co. (Toe Clips, Trouser Guards, etc.), East Hampton, Conn
Brennan Mfg. Co. (Bicycle Handle Bars, etc.), Syracuse, N. Y.
Buckeye Mfg. Co., Canton, O.
Buescher Band Instrument Co., Elkhart, Ind.
Bullock Mfg. Co. (Rims), 172 Dwight, Springfield, Mass.
Climax Mfg. Co. (Saddles, etc.), East Hampton Conn
Collmer Bros., South Bend, Ind.
Consolidated Mfg. Co. (Handle Bars), Toledo, O
Corbin Screw Corporation (Special to Order), New Britain, Conn
Crosby Co. (Stamped Steel Fittings & Ball Cups), 171-189 Pratt, Buffalo, N. Y.
Forsyth Mfg. Co. (Chain Guards, Coaster Brake, etc.), Buffalo, N. Y
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Hall, Chas. E. Co. (Drop Forged), Buffalo,
Harris & Reed Mfg. Co., Chicago, Ill. N. Y.
Hunter Arms Co., Fulton, N. Y.
Hydraulic Pressed Steel Co. (Sprockets), E 61st, Cleveland, O.
KEIM, JOHN R. MILLS (Inc.) (Stamping, Frame Sets, Parts, etc.), Buffalo, N. Y. (See adv. index, end of book)
Liberty Cycle Co., 106 John, Bridgeport, Conn
Matthews, H. A. Mfg. Co., Seymour, Conn.
Matthews Mfg. Co. (Fittings, etc.), Worcester, Mass.
Myers, F. E. & Bro., Ashland, O.
PAGE-STORMS DROP FORGE CO. (Drop Forged), Chicopee, Mass. (See adv index, end of book)
Parish & Bingham Co. (Sprockets), 5383 Hamilton, Cleveland, O
Perry-Fay Mfg. Co. (Screw Machine Products) Elyria, O.
Reading Saddle & Mfg. Co. (Saddles, etc.), Reading, Pa.
Scoville Mfg. Co. (Pumps, Oilers, Valves, etc.), Waterbury, Conn.
Standard Co. (Spokes & Nipples), Torrington,
Standard Steel Tube Co., Toledo, O. Conn.
Toledo Mfg. Co., Toledo, O.
Troxel Mfg. Co. (Saddles, etc.), Elyria, O.
Turner Brass Works, Sycamore, Ill.
Western Automatic Machine Screw Co., Elyria, Ohio
WORCESTER PRESSED STEEL CO. (Fittings, etc.), Worcester, Mass. (See adv. index, end of book)
Worthington Co., (Bicycles & Tricycles), Elyria, Ohio

Bicycle Spoke Threaders

Blake & Johnson, Waterbury, Conn.
Detrick & Harvey Machine Co., Baltimore, Md.
Geometric Tool Co., New Haven, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Manville Machine Co., Waterbury, Conn.

Bicycle Wheel Truing Stands

Dudley Tool Co., Menominee, Mich.

Bidets

Dalton-Ingersoll Co., Boston, Mass.
Mott, J. L. Iron Works, 118 5th av, New York
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.

Billets (Manganese Bronze)

American Manganese Bronze Co., 99 John, New York

Billets, Blooms & Slabs (Steel)

(See also Ingots, Steel)

Allegheny Steel Co. (Open Hearth Billets), Pittsburg, Pa.
American Bridge Co. (Open Hearth Billets & Blooms), Pittsburg, Pa.
American Steel Co. (Jobbers, Blooms, Billets, etc.), Pittsburg, Pa.
AMERICAN STEEL & WIRE CO. (Bessemer Billets, Blooms & Slabs), Commercial Nat. Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
American Tube & Stamping Co. (Open Hearth Billets, Blooms & Slabs, Brand "Swedish"), Bridgeport, Conn.
Andrews Steel Co. (Open Hearth Billets, Slabs & Forging Billets), Newport, Ky.
Ashland Steel Co. (Bessemer Steel Billets & Slabs), Ashland, Ky.
Atlanta Steel Co. (Basic Open Hearth Billets), Atlanta, Ga.
Banning, Cooper & Co. (Ltd.) (Brokers), Lewis bldg, Pittsburg, Pa.
Bethlehem Steel Co. (Acid & Basic Open Hearth Billets), South Bethlehem, Pa.
Cambria Steel Co. (Bessemer & Open Hearth Ingots), Arcade bldg., Phila., Pa.
Carbon Steel Co. (Basic Open Hearth Billets & Ingots), Pittsburg, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer Billets, Blooms & Slabs; also Forging Billets & Blooms), Pittsburg, Pa.
Colonial Steel Co. (Open Hearth & Crucible Ingots), Pittsburg, Pa.
Colorado Iron & Fuel Co. (Bessemer & Open Hearth Billets & Blooms), Denver, Colo.
Crucible Steel Co. of America (Open Hearth & Bessemer Billets), Frick bldg, Pittsburg, Pa.
Dover Forge & Iron Co. (Forging Billets & Charcoal Iron), Canal Dover, O.
Eastern Steel Co. (Open Hearth Billets & Blooms), Pittsburg, Pa.
Harrisburg Pipe & Pipe Bending Co. (Open Hearth Billets, Slabs, etc.), Harrisburg, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Billets, Blooms & Slabs), Commercial Bank bldg., Chicago, Ill.
Indiana Steel Co. (Open Hearth), Commercial Bank bldg, Chicago, Ill. Mills, Gary, Ind.
Inland Steel Co. (Open Hearth Billets, Blooms & Slabs), 1st Nat. Bank bldg., Chicago, Ill.
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Billets, Blooms, Slabs, etc.), Pittsburg, Pa.
La Belle Iron Works (Open Hearth Billets, Blooms, etc.), Steubenville, O.
Lackawana Steel Co. (Open Hearth & Bessemer Billets, Blooms & Slabs; also Forging Billets, Blooms & Slabs), Buffalo, N. Y.
LEAVITT, C. W. & CO. ("Billets, etc.), 80 Church, New York. (See adv. index, end of book)
Lucknow Iron & Steel Co. (Open Hearth Billets & Charcoal Blooms), Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth Billets, Slabs, Forging Blanks, etc.), Coatesville, Pa.
Maryland Steel Co. (Bessemer Billets & Blooms), Baltimore, Md.
Midvale Steel Co. (Open Hearth), Nicetown, Phila., Pa.
National Tube Co. of Ohio (Bessemer Billets, etc.), Lorain, O.
Otis Steel Co. (Open Hearth), Cleveland, O.
Pardee, C. Works (Open Hearth Billets & Blooms), Perth Amboy, N. J.
Penna. Steel Co. (Bessemer & Open Hearth Billets, Blooms, Ingots & Slabs; also Forging Billets, Blooms, Nail Slabs & High Carbon Steel Billets; also Small & Seamless Round Tube Billets), Girard Trust bldg, Phila., Pa.
Pittsburg Steel Co. (Open Hearth Billets), Pittsburg, Pa.
Portsmouth Steel Co. (Open Hearth, Billets & Slabs), Wheeling, W. Va. Works, Portsmouth, O.
Republic Iron & Steel Co. (Bessemer & Open Hearth Billets & Blooms), Frick bldg. Annex, Pittsburg, Pa.
SHARON STEEL HOOP CO. (Open Hearth Steel Billets), Sharon, Pa. (See adv. index & branch offices, end of book)
Snyder, W. P. & Co. (Billets & Sheet Bars, **Dealers), Pittsburg,** Pa.
Southern Steel Co. (Open Hearth Billets, Blooms & Slabs), Birmingham, Ala.
Stewart Iron Co. (Ltd.) (Hammer Blooms Only), Sharon, Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Billets, Blooms & Slabs), Birmingham, Ala.

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Tyrone Iron Co. (Charcoal Blooms), Harrisburg, Pa.
United Steel Co. (Open Hearth, Billets & Slabs), Canton, O.
Vulcan Crucible Steel Co. (Open Hearth), Aliquippa, Pa.
Wheeling Steel & Iron Co. (Bessemer Billets, Blooms & Nail Slabs), Wheeling, W. Va.
Wood, Alan Iron & Steel Co. (Basic Open Hearth Billets, etc.), 519 Arch, Phila., Pa.
Youngstown Sheet & Tube Co. (Bessemer Billets, Blooms & Slabs), Youngstown, O.

Billiard Table Beds (Slate)

Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Coulman & Westcott, Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hinchey, Patrick, Hydeville, Vt.
Pennsylvania Structural Slate Co., Easton, Pa.
Scotch Hill Slate Co., Fair Haven, Vt.
Slatington Slate Co., Slatington, Pa.

*Billiard & Pool Tables (Portable for Houses)

BURROWES, E. T. CO., THE, 70 Free, Portland, Me. (See adv. index & branch offices, end of book)

Binders

(See Harvesters, Various Kinds)

Binders (Core)

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HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Robeson Process Co. (Made of Glutrin), Au Sable Forks, N. Y.
Sterling Oil Co., Emlenton, Pa.

Binding (Oil Cloth)

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TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

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Bliss, Jno. & Co., 128 Front, New York
Hand, Jno. & Sons ("Lord Kelvin"), 222 Walnut, Phila., Pa.
Merrills, R. Sons, 66 South, New York
Negus, T. S. & J. D., 140 Water, New York
Riggs & Bro. (Compensating), 310 Market, Philadelphia, Pa.

Binoculars, Telescopes & Marine Glasses

Bausch & Lomb Optical Co., Rochester, N. Y.
Goerz, C. P. Optical Works ("Trieder"), 52 Union square E, New York
Spencer Optical Mfg. Co. ("Audemair"), 12 Maiden la, New York
Stevens, J. Arms & Tool Co. (Rifle Telescopes), Chicopee Falls, Mass.

*Bins (Coal, Coke & Ore)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

Bins (Steel)

Bushnell Tank Works (Grain), Bushnell, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Davis Mfg. Co., 267 6th, Milwaukee, Wis.
MacKINNON BOILER & MACHINE Co. (Cement), Bay City, Mich. (See adv. index, end of book)
Manufacturing, Equipment & Engineering Co., 209 Washington, Boston, Mass.
Pittsburg Steel Construction Co., Lewis blk, Pittsburg, Pa. Works, Economy, Pa.
Power & Mining Machinery Co. (Cement), Cudahy, Wis.
Prims Machinery Co., Battle Creek, Mich.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Wellman-Seaver-Morgan Co. (For Coal & Ore Storage), Cleveland, O.

Bins (Steel Factory)

Jefferis, Richard Co. ("Jefferis," Pressed Steel), Camden, N. J.
Lyon Metallic Mfg. Co., Aurora, Ill.
Terrell's Equipment Co., Grand Rapids, Mich.

Bismuth

Grosscurth & Luboldt, London, Eng.
Mallinckrodt Chemical Works, St. Louis, Mo.
MERCHANT & EVANS CO. (Inc.), (Metal), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Merck & Co., University pl & 8th, New York
Pfizer, Chas. & Co., 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., Phila., Pa.
Waite, Ranlet & Co., Boston, Mass.

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Bergman Hardware & Tool Mfg. Co. (Corner Bit Braces), Buffalo, N. Y.
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Ford Auger Bit Co. (Machine, Ship, Car, etc.), Holyoke, Mass.
Garritt & Beach, Seymour, Conn.
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Ives, W. A. Mfg. Co., 299 B'way, New York
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Jennings, Russell Mfg. Co., Chester, Conn.
Kraeuter & Co., Rochester, N. Y.
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Mayhew, H. H. Co. (Gimlet), Shelburne Falls, Mass.
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(See Drills & Bits, Electricians')

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Ives, W. A. Mfg. Co., 299 B'way, New York
Jennings, Russell Mfg. Co., Chester, Conn.
Mack & Co., Rochester, N. Y.
Ohio Tool Co. ("Bailey"), Columbus, O.
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Detroit Edge Tool Works, Detroit, Mich.
Disston, Henry & Sons (Inc.), Tac., Phila., Pa.
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Ohl, George & Co., Newark, N. J.
Simonds, A. A. & Son Co., Dayton, O.
White, L. & I. J. Co., Buffalo, N. Y.

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Tuck Mfg. Co., Brockton, Mass.

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Burlington Blanket Co., Burlington, Wis.

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Corbin Screw Corporation (Internal & External), New Britain, Conn.

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CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)

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Bohannan, Wilson, 754 Lexington av, Brooklyn, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Graham Mfg. Co., Derby, Conn.
New England Butt Co., Providence, R. I.
Nock, Geo. W. ("Nock-Phila"), 126 N 4th, Philadelphia, Pa.
Penn Iron Co. (Iron Screw), Lancaster, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Blanks (Thumb, Nut & Screw)

Billings & Spencer Co., Hartford, Conn.
Keystone Drop Forge Works, Chester, Pa.
Penn Iron Co., Lancaster, Pa.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.

Blast Furnace Top Filling Apparatus

Weimer Machine Works Co., Lebanon, Pa.

Blast Furnace & Steel Works Construction

American Furnace & Machine Co. (Iron & Steel Works Only), Fulton bldg, Pittsburg, Pa.
Beutner, Victor, Westinghouse bldg, Pittsburg, Pa.
Birmingham Boiler Works, Birmingham, Ala.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Colorado Iron Works Co., Denver, Colo.
Crooker, Ralph, Jr., Columbia Bank bldg, Pittsburg, Pa
Forter-Miller Engineering Co., Pittsburg, Pa.
Ferguson, Hugh, Pittsburg Life bldg, Pittsburg, Pa.
Garrett-Cromwell Engineering Co., New England bldg, Cleveland, O.
Huber, S. V. & Co. (Engineers & Contractors), Fulton bldg, Pittsburg, Pa.
Kennedy, Julian, Bessemer bldg, Pittsburg, Pa
Kennedy, Walter (Automatic Top Filter System for Blast Furnaces), Bessemer bldg, Pittsburg, Pa.
Ladd & Baker, Real Estate Trust bldg, Phila., Pa.
Lamond, David & Son, Ferguson bldg, Pittsburg, Pa.
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Mackintosh, Hemphill & Co., ft 12th, Pittsburg, Pa.
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PETROLEUM IRON WORKS CO. (Blast Furnace), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
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Weimer Machine Works Co., Lebanon, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co. (Engineers & Designers), Harvey, Ill. (See adv. index & branch offices, end of book)

Blast Furnaces

ALABAMA.

ANNISTON—Woodstock Iron & Steel Corp. (Foundry & Forge Pig Iron; Brand, "Woodstock")
ATTALLA—Eagle Iron Co. (Charcoal Car-Wheel Pig Iron; Brand, "Rome"). (See Chattanooga, Tenn.)
BIRMINGHAM—Alabama Consolidated Coal & Iron Co. (Foundry & Forge Pig Iron; Brands, "Clifton," "Etowah")
Birmingham Coal & Iron Co. (Soft Foundry & Gray Forge Pig Iron; Brand, "Vanderbilt")
Sloss, Sheffield Steel & Iron Co. (Foundry & Forge Pig Iron; Brands, "Sheffield," "Lady Ensley," "Florence," "Sloss")
Southern Steel Co. (Foundry, Forge, Basic, High-Silicon, High-Manganese & Gray Forge Pig Iron; Brands, "Chattanooga," "Schuler," "Rising Fawn," "Trussville")
Tennessee Coal, Iron & Railroad Co. ("Foundry, Forge & Basic Pig Iron; Brands, "Alice," "De Bardeleben," "Eureka," "South Pittsburg," "Ensley")
Williamson Iron Co. (Foundry Pig Iron; Brand, "Williamson")
ENSLEY—Tennessee Coal Iron & Railroad Co. (See Birmingham, Ala.)
FLORENCE—Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)
GADSDEN—Alabama Consolidated Coal & Iron Co. (See Birmingham, Ala.)
HOLT—Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tus Caloosa"). Office: New York City
IRONATON—Alabama Consolidated Coal & Iron Co. (See Birmingham, Ala.)
OXMOOR—Tennessee Coal, Iron & Railroad Co. (See Birmingham, Ala.)
ROCK RUN—Bass Foundry & Machine Co. Charcoal, Car-Wheel & Strong Casting Pig Iron; Brand, "Rock-Run")
ROUND MOUNTAIN—Round Mountain Iron & Wood Alcohol Co. (Charcoal Low-Phosphorus & High-Grade Car-Wheel Pig Iron; Brand, "Round Mountain")
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Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)

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THOMAS—Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron; Brands, "Pioneer"), Office; Pittsburg, Pa.
TRUSSVILLE—Southern Steel Co. (See Birmingham, Ala.)
WOODWARD—Woodward Iron Co. (Basic, Foundry & Forge Pig Iron; Brand, "Woodward")

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bessemer, Basic & Foundry Pig Iron), Furnaces, Pueblo, Colo.

CONNECTICUT.

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GEORGIA.

CEDARTOWN—Alabama & Georgia Iron Co. (Charcoal High Grade Car-Wheel Pig Iron; Brand, "Cherokee")
RISING FAWN—Southern Steel Co. (See Birmingham, Ala.)
ROME—Deane, Thos. J. (Foundry & Forge Pig Iron; Brand, "Silver Creek")
TALLAPOOSA—Southern Car-Wheel Iron Co. (Charcoal Pig Iron for Car-Wheels, Chilled Rolls, etc.; Brand, "Blue Ridge")

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Illinois Steel Co. (Bessemer, Forge, Foundry, Basic & Malleable Bessemer Pig Iron; Brands, "Bay-View," "Gertrude," "Milwaukee Scotch"), Commercial Bank bldg
Indiana Steel Co. (Basic Pig Iron), Commercial Bank bldg, Furnaces, Garry, Ind.
Inland Steel Co. (Basic Pig Iron; Brand, "Inland"), 1st Nat. Bank bldg, Furnaces, Indiana Harbor, Ind.
International Harvester Co. (Bessemer Malleable Bessemer & Foundry Pig Iron; Product all Consumed by the Company)
Iroquois Iron Co. (Foundry, Malleable & High-Silicon Soft Pig Iron; Brand, "Iroquois" for Strong Iron, "Sterling Scotch" for Soft Iron; "Peerless" for High-Silicon Soft Iron; "Malleable" for Malleable Iron), 95th & Calumet River
Spring Valley Iron & Ore Co. (Malleable Bessemer & Foundry Pig Iron; Brand, "Spring Valley"), Monadnock Blk, Furnaces, Spring Valley, Wis.
Wisconsin Steel Co. (See International Harvester Co.)
JOLIET—Illinois Steel Co. (See Chicago, Ill.)

INDIANA.

GARRY—Indiana Steel Co. (See Chicago, Ill.)
INDIANA HARBOR—Inland Steel Co. (See Chicago, Ill.)

KENTUCKY.

ASHLAND—Ashland Iron & Mining Co. (Foundry & Forge Pig Iron; also Ferro-Silicon; Brands, "Boyd" for Foundry & "Ashland" for Ferro-Silicon)
Norton Iron Works (Inc.) (Bessemer & Malleable Bessemer Pig Iron; Brand, "Norton")
MIDDLESBOROUGH—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)

MARYLAND.

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MASSACHUSETTS.

CHESHIRE—Berkshire Iron Works (Charcoal Car-Wheel, Engine Cylinders, Chilled Rolls, Crusher Plates, etc.; Brand, "Berkshire")
RICHMOND FURNACE—Richmond Iron Works (Charcoal Car-Wheel & Machinery Pig Iron; Brand, "Richmond")

MICHIGAN.

CADILLAC—Mitchell-Diggins Iron Co. (Charcoal Malleable Car-Wheel & Strong Foundry Pig Iron; Brand, "Cadillac")
DETROIT—Detroit Furnace Co. (Foundry, Malleable Bessemer, Basic & Car-Wheel Pig Iron; Brand, "Detroit")
Detroit Iron & Steel Co. (Foundry & Malleable Pig Iron; Brand, "Zug")
Lake Superior Iron & Chemical Co. (Charcoal Car-Wheel, Foundry & Malleable Pig Iron; Brands, "Hinkle," "Elk Rapids," "Champion," "Michigan")
EAST JORDAN—East Jordan Iron Co. (Charcoal Car-Wheel & Malleable Pig Iron)
FRUITPORT—Spring Lake Iron Co. (Charcoal Car-Wheel & Malleable Pig Iron; Brand, "Spring Lake")
GRAND RAPIDS—Antrim Iron Co. (Charcoal Car-Wheel & Malleable Pig Iron; Brand, "Antrim")
ISHPEMING—Cleveland-Cliffs Iron Co. (Charcoal Car-Wheel, Malleable, Foundry & Low-Phosphorus Pig Iron; Brand "Pioneer")
MARQUETTE—Pioneer Iron Co. (Charcoal Car-Wheel, Foundry, Malleable & Low-Phosphorus Pig Iron; Brands, "Excelsior," "Marquette")
NEGAUNEE — Cleveland-Cliff Iron Co. (See Cleveland, O.)

MINNESOTA.

DULUTH—Zenith Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Zenith")

MISSOURI.

ST. LOUIS—St. Louis Blast Furnace Co. Basic, Car-Wheel & Foundry Pig Iron; Brands, "Missouri" for Basic & "Carondelet" for Foundry)
Sligo Furnace Co. (Charcoal Car-Wheel, Foundry & Malleable Pig Iron; Brand, "Sligo")

NEW JERSEY.

BUTTZVILLE—Pequest Company (Foundry, Forge, Basic & High-Manganese Pig Iron; Brand, "Pequest")
ELIZABETH—Musconetcong Iron Works (Foundry, Forge & Malleable Bessemer Pig Iron; Brand, "Musconetcong") Furnaces, Stanhope, N. J.
OXFORD—Empire Steel & Iron Co. (See Catasauqua, Pa.)
SECAUCUS—Hudson Iron Co. (See New York City)
STANHOPE—Musconetcong Iron Works. (See Elizabeth, N. J.
WHARTON—Wharton Steel Co. (See Phila., Pa.

NEW YORK.

BUFFALO—Buffalo Union Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Buffalo")
Buffalo & Susquehanna Iron Co. (Foundry Pig Iron; Brand "Susquehanna")
Lackawanna Steel Co. (Bessemer Pig Iron; Brand, "Lackawanna")
New York State Steel Co. (Basic Pig Iron) Wickwire Steel Co. (Basic Pig Iron; Brand, "Wickwire"), Chiefly Consumed by Wickwire Bros., Cortland, N. Y.
CHARLOTTE—Genesee Furnace Co. (See Cleveland, O.)
FRANKLIN SPRINGS—Franklin Iron Mfg. Co. (Foundry Pig Iron; Brand, "Franklin")
NEW YORK—Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tuscaloosa"), 37 Wall; Furnaces, Holt, Ala.
Embree Iron Co. (Malleable, Foundry, Forge, Low-Phosphorus & High-Manganese Pig Iron; Brand, "Embreville"), 2 Rector; Furnaces, Embreeville, Tenn.
Hudson Iron Co. (Foundry & Forge Pig Iron; Brand, "Hudson"), 100 B'way; Furnaces, Secaucus, N. J.
New Jersey Zinc Co. (Spiegeleisen from Zinc Residuum), 71 B'way; Furnaces, etc., South Bethlehem, Pa. & Newark, N. J.
NORTH TONAWANDA—Tonawanda Iron & Steel Co. (Foundry, Forge & Malleable Pig Iron; Brands, "Niagara," "Tonawanda Scotch")
PORT HENRY—Northern Iron Co. (See Phila., Pa.)
TROY—Burden Iron Co. (Forge Pig Iron; Brand "Burden"

OHIO.

BELLAIRE—Carnegie Steel Co. (See Pittsburg Pa.)
CANAL DOVER—Penn Iron & Coal Co. (Strong Foundry, Bessemer & Basic Open Hearth Pig Iron; Brands, "Tuscorawas," "Black Band," "Dover")
CLEVELAND—American Steel & Wire Co. (Bessemer & Basic Pig Iron. (See also Chicago, Ill. & Pittsburg, Pa.)
Cleveland-Cliff Iron Co. (Charcoal Car-Wheel, Foundry, Malleable & Low Phosphorus Pig Iron; Brand, "Pioneer"), Furnaces, Negaunee, Mich.
Cleveland Furnace Co. (Bessemer, Malleable Bessemer, Foundry & Basic Pig Iron; Brand, "Cleveland")
Carrigan, McKinney & Co.
Genesee Furnace Co. (Bessemer, Malleable & Gray Forge Pig Iron & Foundry Pig for Stove Plates & General Foundry use; Brand, "Genesee," Furnaces Charlotte, N. Y.
Josephine Furnace & Coke Co. (Bessemer, Foundry & Basic Pig Iron; Brand, "Josephine"), Furnaces, Josephine, Pa.
Pickands, Mather & Co. (Bessemer, Basic, Foundry & Malleable Pig Iron; Brands, "Ella Foundry," "Ella Malleable"), Furnaces, West Middlesex, Pa.
Scottdale Furnace Co. (Bessemer, Malleable, Forge & Foundry Pig Iron; Brand, "Scottdale"), Furnaces, Scottdale, Pa.
Struthers Furnace Co. (Basic, Forge & Malleable Pig Iron; Brand, "Struthers"), Furnaces, Struthers, O.
Toledo Furnace Co. (Bessemer, Basic, Malleable & Foundry Pig Iron; Brand, "Toledo"), Furnaces, Toledo, O.
Upson Nut Co. (Bessemer, Foundry, Forge & Malleable Pig Iron; Brand, "Upson Scotch")
COLUMBUS—Bessie Ferro-Silicon Co. (Ferro-Silicon; Brands, "Bessie," "Pencost"), Furnaces, New Straitsville, O.
Carnegie Steel Co. (See Pittsburg, Pa.)
Columbus Iron & Steel Co. (Bessemer, Basic, Malleable & Foundry Pig Iron; Brand, "Buckeye")
CULBERTSON—Bird Iron Co. (Foundry, Forge & Malleable Pig Iron; Brand, "Bird")
GIRARD—Girard Iron Co. (Bessemer, Malleable Bessemer, Foundry & Forge Pig Iron; Brand, "Girard")
HAMILTON—Hamilton Iron & Steel Co. (Foundry Pig Iron)
HANGING ROCK—Hanging Rock Iron Co. (Foundry & Malleable Pig Iron; Brand, "Hamilton")
IRONTON—Belfont Iron Works (Bessemer, Foundry & Forge Pig Iron; Brand, "Belfont")
Ironton Iron Co. (Malleable Bessemer & Foundry Pig Iron; Brand, "Nellie")
Kelly Nail & Iron Co. (Bessemer Pig Iron; Brand, "Sarah")
Marting Iron & Steel Co. (Bessemer, Foundry & Malleable Pig Iron; Brand, "Nellie")
JACKSON—Globe Iron Co. (Foundry Pig Iron; Brand, "Globe;" also Ferror-Silicon)
Jackson Iron & Steel Co. (High-Silicon Pig Iron; Brand, "Jisco")
Star Furnace Co. (Soft Foundry Pig Iron; Brand, "Star," also Ferro-Silicon)
LEETONIA—Salem Iron Co. (See Pittsburg, Pa.)
United Iron & Steel Co. (See Pittsburg, Pa.)
LORAIN—National Tube Co. of Ohio (Bessemer Pig Iron)
LOWELLVILLE—Ohio Iron & Steel Co. (Bessemer, Forge & Foundry Pig Iron; Brands, "The Mary," "The Mary Ohio Scotch")
MARTINS FERRY—Wheeling Steel & Iron Co. (See Wheeling, W. Va.)
MINGO JUNCTION—Carnegie Steel Co. (See Pittsburg, Pa.)
NILES—Carnegie Steel Co. (See Pittsburg, Pa.)
OAK HILL—Jefferson Iron Co. (Charcoal Foundry Pig Iron; Brand, "Anchor")
OLIVE FURNACE—McGugin Iron & Coal Co. (Charcoal Foundry Car-Wheel & Machinery Pig Iron; Brand, "Oline")
STEUBENVILLE—Carnegie Steel Co. (See Pittsburg, Pa.)
La Belle Iron Works (Basic & Foundry Pig Iron, all Consumed by the Company)
SUPERIOR—Superior Portland Cement Co. (Charcoal Pig Iron for Cylinders, Pulleys, & all Kinds of Machinery; Brand, "Center")
TOLEDO—Toledo Furnace Co. (See Cleveland, Ohio)
WELLSTON—Wellston Steel & Iron Co. (Bessemer, Car-Wheel, Strong Foundry & Malleable Pig Iron)
YOUNGSTOWN—Andrews & Hitchcock Iron Co (Bessemer, Gray Forge, Malleable, Bessemer & Foundry Pig Iron; Brands, "Hubbard," "Hubbard Scotch" Soft Foundry, & "Climax," Strong Foundry)

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Brier Hill Iron & Coal Co. (Bessemer, Basic, Strong Foundry & Malleable Bessemer Pig Iron; Brand, "Brier Hill")
Carnegie Steel Co. (See Pittsburg, Pa.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
Youngstown Sheet & Tube Co. (Bessemer, Foundry, Malleable & Mill Pig Iron; Brand, "Alice")
Youngstown Steel Co. (Bessemer & Basic Pig Iron & Washed Metal for Steel Making)
ZANESVILLE—Carnegie Steel Co. (See Pittsburg, Pa.)

PENNSYLVANIA.

ALBURTIS—Thomas Iron Co. (See Easton, Pa.)
ALIQUIPPA—Jones & Laughlin Steel Co. (See Pittsburg, Pa.)
ALLENTOWN—Allentown Rolling Mills. (See Phila., Pa.)
BELLEFONTE—Bellefonte Furnace Co. (Foundry & Forge Pig Iron; Brand, "Bellefonte")
Nittany Iron Co. (Foundry & Forge Pig Iron; Brand, "Nittany")
BESSEMER—Carnegie Steel Co. (See Pittsburg, Pa.)
BIRDSBORO—Brooke, E. & G. Iron Co. (Basic Open Hearth Forged Pig Iron; Brand, "Brooke")
BRADDOCK—Carnegie Steel Co. (See Pittsburg, Pa.)
CATASAUQUA—Empire Steel & Iron Co. (Foundry, Forge, Basic Open Hearth, Bessemer & Low-Phosphorus Pig Iron; Brands, "Crane," "Crane L. P.," "Crane Basic," "Henry Clay," "Macungie," "Oxford," "Topton")
CLAIRTON—Carnegie Steel Co. (See Pittsburg, Pa.)
COLUMBIA — Susquehanna Iron Co. (Neutral Forge & Foundry Pig Iron; Brand, "Aurora")
DONORA—Carnegie Steel Co. (See Pittsburg, Pa.)
DUBOIS—Adrian Furnace Co. (Foundry Pig Iron; Brand, "Adrian")
DUNBAR—Dunbar Furnace Co. (Foundry, Mill, Basic, Bessemer, Car-Wheel & Malleable Pig Iron)
DUQUESNE—Carnegie Steel Co. (See Pittsburg, Pa.)
EARLSTON—Thropp, Jos. E. (Forge, Basic & Soft & Strong Foundry & Mill Pig Iron; Brand, "Everett," "Saxton")
EASTON—Thomas Iron Co. (Foundry, Forge, Basic Open Hearth & Bessemer Pig Iron; Brand, "Thomas")
ERIE—Perry Iron Co. (Foundry, Malleable & Bessemer Pig Iron; Brand, "Perry")
ETNA—Carnegie Steel Co. (See Pittsburg.
GLEN IRON—Church, Jno. T. (Charcoal Cold-Blast Pig Iron; Brand, "Glen-Iron")
HARRISBURG—Central Iron & Steel Co. (Bessemer, Malleable Bessemer, Foundry, Mill & Basic Open Hearth Pig Iron; Brands, "Paxton," "Silver Spring")
HELLERTOWN—Thomas Iron Co. (See Easton, Pa.)
HOKENDAUQUA—Thomas Iron Co. (See Easton, Pa.)
JOSEPHINE—Josephine Furnace & Coke Co. (See Cleveland, O.)
KITTANNING—Kittanning Iron & Steel Mfg. Co. (Grey Forge & Foundry Pig Iron; Brand, "Rebecca")
LEBANON—Lackawanna Steel Co. (See Buffalo, N. Y.)
Lebanon Valley Iron Co. (Bessemer, Low-Phosphorus & Foundry Pig Iron; Brand, "Lebanon Valley")
Pennsylvania Steel Co. (See Phila., Pa.)
LEESPORT—Leesport Furnace Co. (Foundry & Forge Pig Iron; Brand, "Leesport")
McKEESPORT—National Tube Co. (See Pittsburg, Pa.)
MACUNGIE—Empire Steel & Iron Co. (See Catasauqua, Pa.)
MAUCH CHUNK—Carbon Iron & Steel Co. ("Carbon" Foundry Iron, "Parry" Bessemer Iron & "Viking" Low-Phosporus Pig Iron), Furnaces, Parryville, Pa.
MIDLAND—Midland Steel Co. (See Pittsburg, Pa.
MILESBURG—McCoy-Linn Iron Co. (Charcoal Forge & Foundry Pig Iron; Brand, Hecla")
NEW CASTLE—Carnegie Steel Co. (See Pittsburg, Pa.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
NEWPORT—Juniata Furnace & Foundry Co. (See Phila., Pa.)
PARRYVILLE—Carbon Iron & Steel Co. (See Mauch Chunk, Pa.)
PHILADELPHIA—Allentown Rolling Mills (Foundry & Grey Forge Pig Iron; Brand, "A. B. Mills")
Cambria Steel Co. (Bessemer & Basic Pig Iron, Arcade bldg. Works & Furnaces, Johnstown, Pa.
Cranberry Furnace Co. (Low-Phosphorus Pig Iron)
Heckscher, Richard & Sons Co. (Neutral Mill, Foundry, Malleable, Bessemer & Basic Open Hearth Pig Iron; Brand, "Swede"), Manhattan bldg; Furnaces, Swedeland, Pa.
Juniata Furnace & Foundry Co. (Foundry Pig Iron; Brands, "Marshall," "Juniata"), Girard av bel. Front; Furnaces, Newport, Pa.
Northern Iron Co. (Basic, Malleable, Foundry & Bessemer Pig Iron; Brand "Essex"), Girard Trust bldg; Furnaces, Port Henry, N. Y.
Pennsylvania Steel Co. (Bessemer, Low-Phosphorus & Basic Pig Iron), Girard bldg
Pulaski Iron Co. (High-Grade Foundry Pig Iron; Brand, "Pulaski"), Furnaces, Pulaski City, Va.
Warwick Iron & Steel Co. (Foundry, Neutral Mill & Basic Pig Iron; Brand, "Warwick"), Girard Trust bldg
Wharton Co. (Basic, Neutral Foundry, Malleable & Forge Pig Iron; Brand, "Wharton"), 421 Chestnut; Furnaces, Wharton, N. J.
PITTSBURG—**AMERICAN STEEL &** Wire Co. (Bessemer & Basic Iron). (See also Chicago, Ill. & Cleveland, O. (See adv. index, end of book.)
Byers, A. M. Co. (Bessemer, Malleable Bessemer, Foundry & Forge Pig Iron), 233 Water
Carnegie Steel Co. (Bessemer, Basic, Forge, Foundry, Mill & Low-Phosphorus Pig Iron)
Carter Iron Co. (Bessemer, Basic & Foundry Pig Iron). Furnaces, Paden City, W. Va.
Clinton Iron & Steel Co. (Bessemer, Forge & Special Car-Wheel Pig Iron, and an exceedingly Soft & Fluid Foundry Iron for Light & Fine Machinery Castings; Brands, "Hector," "Clinton")
Jones & Laughlin Steel Co. (Bessemer & Basic Open Hearth Pig Iron; Brand, "Soho;" all Consumed by the Company)
Midland Steel Co. (Bessemer, Basic & Foundry Pig Iron). Furnaces, Midland, Pa.
National Tube Co. (Bessemer Pig Iron)
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron)
Salem Iron Co. (Bessemer, Malleable Bessemer, Foundry & Forge Pig Iron; Brands, "Seneca," "Allegheny," "Grafton"). Furnaces, Leetonia, Ohio
Shenango Furnace Co. (Bessemer, Basic & Malleable Pig Iron; Brand, "Shenango"). Furnaces, Sharpsville, Pa.
United Iron & Steel Co. (Bessemer & Foundry; Brands, "Fannie," "Fort Pitt," Special Car-Wheel & Gray Forge Pig Iron; Brand, "Cherry Valley"), Furnaces, Leetonia, O. & Middlesex, Pa.
POTTSTOWN—Warwick Iron & Steel Co. (Foundry, Neutral Mill & Basic Pig Iron; Brand, "Warwick")
PUNXSUTAWNEY—Punxsutawney Iron Co. (Foundry & Forge Pig Iron; Brand, "Punxs'
RANKIN—Carnegie Steel Co. (See Pittsburg, Pa.)
READING—Empire Steel & Iron Co. (See Catasauqua, Pa.)
Reading Iron Co. (Foundry & Forge Pig Iron)
RIDDLESBURG—Colonial Iron Co. (Foundry & Forge Pig Iron. Specialty a Strong Soft Fluid Foundry Pig Iron; Brands, "Norway," "Colonial")
ROBESONIA—Robesonia Iron Co. (Low-Phosphorus Pig Iron; Brand, "Robesonia")
ROCKHILL FURNACE—Rockhill Furnace Co. (Foundry & Forge Pig Iron; Brand, "Rockhill")
ROLAND—Eagle Iron Co. (Charcoal Pig Iron for Rolls & Dies)
SAXTON—Thropp, Jos. E. (See Earlston, Pa.)
SCOTTDALE—Scottdale Furnace Co. (See Cleveland, O.)
SCRANTON—Temple Iron Co. (Foundry & Forge Pig Iron; Brand, "Temple")
SHARON—Carnegie Steel Co. (See Pittsburg, Pa.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
Stewart Iron Co. (Bessemer, Low-Phosphorus, Foundry, Basic & Forge Pig Iron; Brand, "Stewart")
SHARPSVILLE—Claire Furnace Co. (Bessemer, Malleable & Foundry Pig Iron)
Sharpsville Furnace Co. (Bessemer & Malleable Bessemer Pig Iron; Brand, "Sharpsville")
Shenango Furnace Co. (See Pittsburg, Pa.)
Youngstown Sheet & Tube Co. (See Youngstown, O.)
SHERIDAN—Berkshire Iron Works (Foundry Pig Iron; Brand, "Sheridan")
SOUTH BETHLEHEM—Bethlehem Steel Co. (Bessemer, Basic, Low-Phosphorus & Foundry Pig Iron), All Consumed by the Company
New Jersey Zinc Co. (Spiegeleisen from Zinc Residuum. (See New York City)
STEELTON—Pennsylvania Steel Co. (See Phila., Pa.)
SWEDELAND—Heckscher, Richard & Sons Co. (See Phila., Pa.)
TOPTON—Empire Steel & Iron Co. (See Catasauqua, Pa.)
WEST MIDDLESEX—Pickands, Mather & Co. (See Cleveland, O.)
United Iron & Steel Co. (See Pittsburg, Pa.)

TENNESSEE.

BEAR SPRING—Dover Iron Co. (Charcoal Low-Phosphorus Pig Iron, for Chilled Rolls, etc.; Brand, "Dover")
BRISTOL—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
CHATTANOOGA—Citico Furnace Co. (Forge & Foundry Pig Iron; Brand, "Citico")
Eagle Iron Co. (Charcoal Car-Wheel Pig Iron; Brand, "Rome"), Furnaces, Attalla, Ala.
Southern Steel Co. (See Birmingham, Ala.
CLARKSVILLE—Red River Furnace Co. (Foundry, High-Silicon & Tennessee-Scotch Pig Iron; Brands, "Helen," "Red River")
DAYTON—Dayton Coal & Iron Co. (Foundry & Forge Pig Iron; Brand, "Dayton")
EMBREEVILLE—Embree Iron Co. (See New York City.
JOHNSON CITY—Cranberry Furnace Co. (Low-Phosphorus Pig Iron; Brand, "Cranberry")
LA FOLLETTE—La Follette Coal, Iron & Railway Co. (Foundry & Forge Pig Iron; Brand, "La Follette Foundry")
NAPIER—Napier Iron Works. (See Nashville, Tenn.)
NASHVILLE—Bon Air Coal & Iron Co. (High-Phosphorus, High-Silicon & Foundry Pig Iron; Brand, "Mannie") Furnaces, Mannie, Tenn.
Napier Iron Works (Foundry Pig Iron; Brand, "Napier"), Furnaces, Napier, Tenn.
Standard Iron Co. (Foundry & Soft Pig Iron; Brand, "Standard"), Furnaces, Goodrich, Tenn.
ROCKDALE—Rockdale Iron Works (Ferro-Phosphorus & Foundry, Forge & Basic Pig Iron; Brand, "Rockdale")
ROCKWOOD—Roane Iron Co. (Foundry & Forge Pig Iron; Brand, "Rockwood")
SOUTH PITTSBURG—Tennessee Coal, Iron & R. R. Co. (See Birmingham, Ala.

TEXAS.

JEFFERSON—Jefferson Iron Co. (Foundry Pig Iron; Brand, "Jefferson")
RUSK—State of Texas, (Owner) (Foundry & Forge Pig Iron; Brand, "Lone Star")

VIRGINIA.

BUENA VISTA — Allegheny Ore & Iron Co. (See Clifton Forge, Va.)
CLIFTON FORGE—Allegheny Ore & Iron Co. (High Grade Foundry, Forge, Basic & Chilled-Cast Basic Pig Iron for Car-Wheels; Brands, "Allegheny," "Buena Vista," "Gem")
FOSTERS FALLS—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
GLEN WILTON—Princess Furnace Co. (Soft, Strong & Very Flued Foundry Pig Iron; Brand, "Princess")
GOSHEN—Goshen Iron Co. (Foundry, Basic & Forge Pig Iron; Brands, "Victoria," "Goshen")
GRAHAM—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
IVANHOE — Ivanhoe Furnace Co. (Bessemer, Foundry & Basic Pig Iron; Brand, "Ivanhoe")
LIBERTY FURNACE——Shenandoah Iron & Coal Co. (Charcoal Car-Wheel Pig Iron; Brand, "Liberty, 1812")
LONGDALE—Longdale Iron Co. (Basic Pig Iron Cast in Chills; Brand, "Longdale")

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LOW MOOR—Low Moor Iron Co. (Foundry Pig Iron: Brands, "Low Moor," "Covington")
MAX MEADOWS—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
PULASKI CITY—Pulaski Iron Co. (See Phila., Pa.)
Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
RADFORD—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
REED ISLAND—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
ROANOKE—Virginia Iron, Coal & Coke Co. (Foundry, Forge, Basic & Cold Blast Charcoal Pig Iron for Chilled Rolls, etc.; Brands, "Bristol," "Crozer," "Dora," "Graham," "Max Meadows," "Radford," "Reed Island," "Watts")
West End Furnace Co. (Foundry, Basic & Forge Pig Iron; Brand, "Roanoke")
SHENANDOAH—Allegheny Ore & Iron Co. (See Clifton Forge, Va.)

WASHINGTON.

IRONDALE—Irondale Steel Co. (Charcoal Foundry; Low-Phosphorus Bessemer Pig Iron for Steel Castings, etc.)

WEST VIRGINIA.

BENWOOD National Tube Co. (See Pittsburg, Pa.)
PADEN CITY—Carter Iron Co. (See Pittsburg, Pa.
WHEELING—Wheeling Steel & Iron Co. (Bessemer & Grey Forge Pig Iron; Brand, "Belmont," "Martin's Ferry," "Top Mill")

WISCONSIN.

MAYVILLE—Northwestern Iron Co. (See Milwaukee, Wis.)
MILWAUKEE—Illinois Steel Co. (See Chicago, Ill.
Northwestern Iron Co. (Bessemer, Malleable Bessemer & Foundry Pig Iron; Brands, "Snyder," "Gertrude")
Thomas Furnace Co. (Foundry, Malleable Bessemer & Standard Bessemer; Brand, "Thomas")
SPRING VALLEY—Spring Valley Iron & Ore Co. (See Chicago, Ill.)

Blasting Fuse, Caps, Etc.

(See also Batteries, Blasting)

Aetna Powder Co., 143 Dearborn, Chicago, Ill.
California Cap Co. (And Electrical Exploders, etc.), 418 California, San Francisco, Cal.
DU PONT, E. I., de NEMOURS POWder Co., Wilmington, Del. (See adv. index & branch offices, end of book)
Ensign, Bickford & Co., Simsbury, Conn., & San Francisco, Cal.
Maswrite Explosive Co. (Explosives), Sharon, Pa.
Metallic Cap Mfg. Co., 261 B'way, New York
Rendrock Powder Co., 11 B'way, New York
Standard Fuse Co., Winfield Junction, N. Y.
Star Electric Fuse Works ("Star" Exploders), Wilkes-Barre, Pa.

*Bleachery Eyes (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)

Blind Adjusters

(See Window Blind Adjusters)

Blind Awning Fixtures

(See Awning Fixtures, Blind)

Blind Tenons

Gleason, E. P. Mfg. Co. ("Holts"), 37 Murray, New York

Blinds (Inside Folding)

Currier, E. Bradley Co., 119 W 23d, New York
Foster, Munger Co. (For the Trade Only), 20th & S Sangamon, Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Morgan Co., Factory & General Offices: Oshkosh, Wis.
Paine Lumber Co. (For the Trade Only), Oshkosh, Wis., & 1 Madison av, New York
Palmer, Fuller & Co. (For the Trade Only). 2244 Lumber, Chicago, Ill.
Radford Sash & Door Co. (For the Trade Only), 190 W 22d, Chicago, Ill.
Roach & Musser Sash & Door Co. ("Victor"), Muscatine, Iowa
Roberts, E. L. & Co. (For the Trade Only). W 22d & Union pl, Chicago, Ill.
Watson Mfg. Co., Jamestown, N. Y.
Willer Mfg. Co., 313 Cedar, Milwaukee, Wis.

Blinds (Inside Sliding)

Bossert, Louis & Son, Grand & Newton Creek, Brooklyn, N. Y.
Burlington Venetian Blind Co., Burlington, Vt.
Currier, E. Bradley Co., 119 W 23d, New York
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Iowa
Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis
Dodge, H. B. & Co. (Mfrs. Ag'ts), 108 Lasalle, Chicago, Ill.
Kane Sliding Blind Co., Kane, Pa.
Monroe Screen, Blind & Partition Co., Lima, O
Phoenix Sliding Blind Co., Phoenix, N. Y.
Roach & Musser Sash & Door Co. ("Victor," Wholesale Mfrs.), Muscatine, Ia.
Union Blind & Ladder Co. (Hill's), 328 Howard, San Francisco, Cal.
Watson Mfg. Co. (Spring & Weighted), Jamestown, N. Y.
Willer Mfg. Co., 313 Cedar, Milwaukee, Wis.

Blinds (Rolling Window)

Flexifold Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.

Blinds (Venetian)

Adams-Monroe Mfg. Co. (Victoria), Lynchburg, Va.
Baltimore Blind Co. (Outside), 2210 E North av, Baltimore, Md.
Bostwick-Goodell Co., Norwalk, O.
Burlington Venetian Blind Co., Burlington, Vt.
Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau & Milwaukee, Wis., & Minneapolis, Minn.
Dodge, H. B. & Co. (Mfrs. Ag'ts), 108 Lasalle, Chicago, Ill.
Foster, Munger & Co. ("The Pease," Wholesale Only), 20th & Sangamon, Chicago, Ill.
Monroe Screen Blind & Partition Co., Lima, O.
Smith, John A., 456 S B'way, Los Angeles, Cal
Union Blind & Ladder Co., 328 Howard, San Francisco, Cal.
Watson Mfg. Co., Jamestown, N. Y.
Willer Mfg. Co., 313 Cedar, Milwaukee, Wis.
WILSON, JAMES G. MFG. CO., Chief Office, 3 W 29th, New York. Mills & Factory: Norfolk, Va. (See adv. index, end of book)

Blocking (Adjustable)

Le Count, Wm. G., South Norwalk, Coon.

Blocks (Broom or Brush)

Curtis & Yale Co. (Wholesale Mfrs.), Wausaw, Wis.
Holgate Bros. Co. (Whitewash Blocks, etc.), Kane, Pa.
Mahle Boring Machine Co., Corry, Pa.
Mahle, C. A. & Son (Bored & Shaped for Horse, Scrub, Stove, Shoe Brushes, etc., & for Street & Stable Push Brooms, also for Steel Wire Brushes, Brooms, etc.) Corry, Pa.
Parkersburg Mill Co., Parkersburg, W. Va.
Peake, Henry (For Street Sweeping Brooms, etc.), Peabrook, N. Y.
Petoskey Block & Mfg. Co. (Brush Blocks only, all kinds, Turned & Shaped), Petoskey, Mich.
Piqua Handle & Mfg. Co., Piqua, O.

Blocks (Butchers')

(See also Butchers' Machinery & Supplies)

Boos, John & Co. (Inc.), Effingham, Ill.
Bossert, Louis & Son, Grand & Newtown Creek, Brooklyn, N. Y.
Dumrauf & Wicke, 406 E 102d, New York
Hill, C. V. & Co., Trenton, N. J.
Racine Refrigerator & Fixture Co., Racine, Wis.
Wilson Mfg. Co. (Octagon), Appleton, Wis.

Blocks (Chain Hoisting)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
CHISHOLM & MOORE MFG. CO., 49th & Lake, Cleveland, O. (See adv. index, end of book)
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
Dederick's P. K. Sons, Albany, N. Y.
Dicke Tool Co., Downers Grove, Ill.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Harrington, Edwin Son & Co., 17th & Callowhill, Philadelphia, Pa.
IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jackson Mfg. Co., Harrisburg, Pa.
Reading Chain Block Works ("Reading" Multiple Gear), Reading, Pa.
Stuebner, G. L., Long Island City, N. Y.
Yale & Towne Mfg. Co., 9 Murray, New York; Works: Stamford, Conn.

Blocks (Deck & Snatch)

(See Blocks, Tackle)

Blocks (Derrick Foot)

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Northern Engineering & Supply Co., 246 Water, New York

Blocks (Differential Chain)

CHISHOLM & MOORE MFG. CO. (Direct Differential), 49th & Lake, Cleveland, O. (See adv. index, end of book)
COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Northern Engineering & Supply Co., 246 Water, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Blocks (Dock)

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.), 169 Chambers, New York. (See adv. index, end of book)
Northern Engineering & Supply Co., 246 Water, New York

Blocks (Fire Box)

(See Cupola Linings or Blocks; also Locomotive Tile)

Blocks (Fuse)

(See Cut-Outs Various Kinds)

Blocks (Hollow Building)

(See also Blocks, Hollow Concrete Building)

Akron Vitrified Clay Mfg. Co., Akron, O.
American Brick & Tile Co., Mason City, Ia.
American Clay Products Co., 138 Washington, Chicago, Ill.
American Sewer Pipe Co., Bessemer bldg., Pittsburg, Pa.
Big Four Clay Co. (Blue Granite, Rock Face), Malvern, O.
Blakeslee Concrete Block & Machine Co. (Concrete), Columbus, O.
Boone Brick Tile & Paving Co., Boone, Ia.
Canton Hollow Block Co., Canton, O.
Canton Tile Hollow Brick Co. (Plain & Rock-Faced), New Bethlehem, Pa.
CARTER, BLACK & AYRES (Inc.), (Clay, Mfrs. Agts), 1 Madison av, New York (See adv. index, end of book)
Concrete Stone Co., Canton, O.
Diefenbacher, Philip, Masillon, O.
Downs, Canton, O.
Eureka Construction Co. ("Phoenix" Hollow Tile), 287 4th av, New York
Evansville Pressed Brick Co., Evansville, Ind.
Fix, S. S., Canton, O.
Greer-Beatty Clay Co., Magnolia, O.

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Indiana Paving Brick & Block Co. (W. W. Winslow), Indianapolis, Ind., & Brazil, Ind.
Iowa Brick Mfg. Co., Des Moines, Ia.
Louisville Brick & Tile Co., Louisville, O.
McNutt, Lewis, Brazil, Ind.
Markley, Geo. J., Mineral City, O.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, Mason City, Ia.
Myers Clay Mfg. Co., Toronto, Ont.
NATIONAL FIRE PROOFING CO., Fulton bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Palmer, H. S., 1450 Binney, Washington, D. C.
Penna. Fireproofing Co., St. Marys, Pa.
Pittsburg-Buffalo Co., Frick bldg, Pittsburg, Pa.
Pittsburg Sewer Pipe & Conduit Co., Pittsburg, Kans.
Segner, E. C., Masillon, O.
Shoof, A. H., Canton, O.
Sioux City Brick & Tile Works, Sioux City, Iowa
Straight & Campbell Brick & Tile Co., Ft. Dodge, Ia.
THOMAS, E. H. (Mfrs. Agent), 1125 B'way, New York
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
United States Fire Proofing Corporation, 326 4th av, Pittsburg, Pa.
Wabash Clay Co., Veedersburg, Ind.
Whiteacre Fire Proofing Co., Waynesburg, O.

Blocks (Hollow Concrete Building)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Blakeslee Concrete Block & Machine Co., Columbus, O.
Building Block Co., Minneapolis, Minn.
Cement Ventilating Stone Co., Columbus, O.
Cleveland Concrete Building Block Co, Cleveland, O.
Durolithic Co., Builders' Ex bldg, Buffalo, N. Y.
Ellbacher, Chas., 32 4th, Elizabeth, N. J.
Frank, Frederick, Lancaster, Pa.
Hollidaysburg Mfg. Co., Hollidaysburg, Pa.
Keller, Jacob, North Judson, Ind.
METROPOLITAN STONE CO., 1 Madison, New York
Morris Hollow Concrete & Construction Co., Granite City, Ill.
National Cement Stone Co., York, Pa.
Rothermund, Henry, Martins Ferry, O.
Southard, J. E. & Co., Michigan City, Mich.
Standard Stone Co. of America, 140 Nassau, New York

*Blocks (Hollow Tile)

MAURER, HENRY & SON, 420 E 23d, New York; Penna. bldg, Phila., Pa. Works, Maurer, N. J. (See adv. front inside cover)

*Blocks (Hook)

MORGAN ENGINEERING CO. (160 Tons, etc.), Alliance, O. (See adv. index & branch offices, end of book)

Blocks (Lineman's Pulley)

(See also Pulley Blocks for Electric Light Poles)
Burr Mfg. Co. (Steel), Cleveland, O.
Dick, C. H. Tool Co., Downers Grove, Ill.
Ferdinand, L. W. & Co., Boston, Mass.
Klein, Mathias & Sons, 78 W Van Buren, Chicago, Ill.

Blocks (Outlet)

Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.

Blocks (Pillow)

(See Power Transmitting Machinery)

Blocks (Rail)

Arthur, W. H. ("Arthur" Hump), Stamford, Conn.
Mack Mfg. Co. ("Arthur." Hump), Land Title bldg, Phila., Pa.

*Blocks (Sheave, for Derricks)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

Blocks (Switch)

Armstrong, Fred'k A., 348 Court, Brooklyn, N. Y.

Blocks (Tackle)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Burr Mfg. Co., 2108 Superior av, N W, Cleveland, O
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Cleveland Block Co., 1173 W 11th, N W, Cleveland, O.
Coleman, Walter & Sons, Providence, R. I.
Columbia Steel Co. ("Skookum" Triple Line Cast Steel), Portland, Ore.
Cottingham, John C. & Sons Co., 118 N Delaware av, Phila., Pa.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Dubuar, J. A. Mfg. Co. (Wood), Northville, Mich.
Edwards, H. D. & Co., Detroit, Mich.
Eureka Tackle Block Mfg. Co. (All Kinds), 442 E Front, Cincinnati, O
Fulton Iron Works (Sure Grip Steel), Detroit, Mich.
Hartz, H. V. Co. (Steel), Cleveland, O.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.) (All Kinds), 169 Chambers, New York. (See adv. index, end of book)
Jackson, J. S. & Son ("Roller Bearing"), Bath Me.
Lane Bros. Co. (Automatic Lock), Poughkeepsie, Laughlin, Thos., Co., Portland, Me. N. Y.
McMillan's, W. H. Sons, 153 South, New York
Maryland Steam Block & Pump Works ("Acorn"), Baltimore, Md.
Merriman Bros., 696 E 1st, S. B., Boston, Mass.
Milwaukee Hay Tool Co. (Principally for Hay Tools), Layton Park, Milwaukee, Wis.
Patterson, W. W. Co., 54 Water, Pittsburg, Pa.
Pittsburg Block & Mfg. Co. (Wood or Steel Shell), 816 South av, Allegheny, Pa.
Rousseau, F. X. Machinery Co., Detroit, Mich.
Rousseau, F. X. Mfg. Co., 564 Porter, Detroit, Mich
Stowell Mfg. & Fdy Co., South Milwaukee, Wis.
Swett, A. L. Iron Works, Medina, N. Y.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
Union Hardware Co., Torrington, Conn.
Vulcan Iron Works ("Bouse"), Seattle, Wash
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Walton Self Locking Block Co. (Self Locking) 404 Atlantic av, Boston, Mass
Western Block Co. (Wood, Wrought Iron & Steel), Lockport, N. Y
Wilcox, Crittenden & Co., Middletown, Conn.

Blocks (Wire Rope)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Boston & Lockport Block Co., 160 Commercial Boston, Mass.
BRODERICK & BASCOM ROPE CO. (Also Manila Rope), N Main, St. Louis, Mo. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Columbia Steel Co. ("Skookum" Triple Line Cast Steel), Portland, Ore
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Hazard Mfg. Co., Wilkes-Barre, Pa.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jackson, S. J. & Son ("Roller Bearing"), Bath, Laughlin, Thos., Co., Portland, Me. Me.
MACOMBER & WHYTE ROPE CO. 266 S Clinton, Chicago, Ill. (See adv. index & branch offices, end of book)
Merriman Bros., 696 E 1st, S. B., Boston, Mass.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Patterson, W. W. Co., 54 Water, Pittsburg, Pa.
Pittsburg Block & Mfg. Co., 816 South av, Allegheny, Pa.
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
Vulcan Iron Works ("Bouse"), Seattle, Wash.
Western Block Co., Lockport, N. Y.

Blocks (Wrecking)

Laughlin, Thos. Co. (With Lashing Shackles), Portland, Me.

Blocks (Yacht)

Coleman, Walter & Sons, Providence, R. I.
Laughlin, Thos. Co., Portland, Me.
Wilcox, Critenden & Co. (Brass), Middletown, Conn.

Blooms (Charcoal Iron)

Coatesville Rolling Mill Co. (Product all used by the Company), Coatesville, Pa.
Curtin Forge Co. (For Boiler Plates, Tubes, Rivets & Screw Rods, etc.), Roland, Pa.
Dover Forge & Iron Co. (Blooms), Canal Dover, Ohio
Lucknow Iron & Steel Co. (Blooms for Boiler Plates, Sheet Iron, Wire, Tube, Skelp & Tinplates), Harrisburg, Pa.
McCoy-Linn Iron Co. (Blooms), Milesburg, Pa.
Sizer Forge Co. (Billets, Blooms & Slabs for Boiler Tubes, etc.), Buffalo, N. Y.
Spring City Bloom Works (Billets, Blooms & Slabs for Boiler Tubes & Sheets), Real Estate Trust bldg, Phila., Pa. Works: Spring City, Pa.

*Blow Cases

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)

Blow Pipes & Brazing Apparatus

AMERICAN GAS FURNACE CO. (Gas), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Baylis Company, 140 Washington, New York
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Best Light Co., Canton, O.
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Haines & Co., 747 W Lake, Chicago, Ill.
Hauck Mfg. Co., 140 Cedar, New York
Hawkridge, S., Hoboken, N. J.
Inter-State Blow Pipe Co., Mobile, Ala.
Kiechler Mfg. Co., Cincinnati, O.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
National Blow Pipe & Mfg. Co., New Orleans, La.
National Cement & Rubber Mfg. Co., Toledo, O.
Savannah Blow Pipe & Exhaust Co., Savannah, Ga.
Shreveport Blow Pipe & Sheet Iron Works, Shreveport, La.
Stortz, Jno. & Son (Plumbers'), 210 Vine, Phila., Pa.
Turner Brass Works, Sycamore, Ill.

Blower Mfrs.

(See also Sub-classifications)
Allington & Curtis Mfg. Co., Saginaw, Mich.
American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich
AMERICAN GAS FURNACE CO. (Positive Pressure), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Banister, A. W., 35 Wareham, Boston, Mass.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Bayley Mfg. Co., Milwaukee, Wis.
BEGGS, JAMES & CO. (Mfrs. Agts.), 109 Liberty, New York. (See adv. index, end of book)
Bicaiky Fan Co., Buffalo, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
CAMERON MACHINE CO. (Positive Pressure), 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Canedy-Otto Mfg. Co. ("Western Chief" Power), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Chase Turbine Mfg. Co. (Fan), Orange, Mass.
Connersville Blower Co. (Rotary), Connersville, Ind.

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Cornell, J. B. & J. M. Co. ("The Poole"), 26th & 11th av, New York
Crowell, Gilmer ("Crowell" Positive Pressure), 296 Taaffe pl., Brooklyn, N. Y.
Crown Drilling Machine Co. (Steam Driven), Akron, O.
De Laval Steam Turbine Co., Trenton, N. J.
Dixie Mfg. Co., Baltimore, Md.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Electric Blower Co. ("Marvel"), Newton, Center, Mass.
Exeter Machine Works, Exeter, N. H., & 32 Oliver, Boston, Mass.
Fuller Co., 1565 Russell, Detroit, Mich.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y
Hartford Blower Co., Hartford, Conn.
Howard & Morse ("Blackman" & Duplex Cone), 45 Fulton, New York
Humphrey Machine Co. (Fan), Keene, N. H.
Indiana Fan Co. ("Indiana"), Indianapolis, Ind.
Link, E. M. Machinery Co., Erie, Pa.
Massachusetts Fan Co., Watertown, Mass.
Meadon, T. J. Son, 51 Greenpoint av, Brooklyn, N. Y.
Miller, J. K. Co., Seattle, Wash.
Monarch Engineering & Mfg. Co. (Low Pressure), Baltimore, Md.
National Blower Works, Milwaukee, Wis.
Natural Power Co., Kirkwood, Mo.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Factory, Bucyrus, O.
Ohio Blower Co., 43 Michigan, Cleveland, O.
Pacific Blower & Heating Co., San Francisco, Cal.
Roth Bros. & Co. ("Roth"), Loomis & Adams, Chicago, Ill.
Potts, David H. (Fan), Lancaster, Pa.
Roots, P. H. & F. M. Co. (Rotary), Connersville, Ind.
St. Louis Blower & Heater Co., 1628 N 9th, St. Louis, Mo.
Standard Blower & Metal Mfg. Co., Atlanta, Ga.
Sterling Blower & Pipe Mfg. Co., Hartford.
Sturtevant, B. F. Co., Hyde Park, Mass. Conn.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Wilbraham-Green Blower Co. ("Green" Rotary Pressure), Pottstown, Pa.
Wing, L. J. Mfg. Co. ("Typhoon" Turbine Blower), 90 West, New York

Blowers (Acid)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Guild & Garrison, Kent av & S 10th, Brooklyn, N. Y.
Titusville Iron Co., Titusville, Pa.

Blowers (Boiler Flue)

(See Cleaners, Boiler Flue or Tube; Soot Blowers & Suckers)

Blowers (Cycloidal)

Power & Mining Machinery Co. (Horizontal), Cudahy, Wis.

Blowers (Cyclone)

Stauffer, Geo. E. (Kitson's for Burning Culm & Slack), E Stroudsburg, Pa.

Blowers (Electric)

Electric Blower Co. ("Marvel"), Newton Center, Mass.
Emerson Electric Co., St. Louis, Mo.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
New Era Electric Co. ("New Era," for Blacksmiths), 942 W Lake, Chicago, Ill.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill; Works: Bucyrus, O.
Sprague Electric Co., 527 W 34th, New York
Sturtevant, B. F. Co., Hyde Park, Mass.

Blowers (Forge)

American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Champion Tool Co. ("20th Century"), Meadville, Pa.
Cleveland Steam Gauge Co. ("Watson"), 1619 Merwin, N W, Cleveland, O.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
National Blower Works, Milwaukee, Wis.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Roots, P. H. & F. M. Co., Connersville, Ind., & 120 Liberty, New York
Sturtevant, B. F. Co., Hyde Park, Mass.

Blowers (Furnace)

Beach-Russ Co., Long Island City, N. Y.
DONEGAN & SWIFT (Steam, "Swift's Economy"), 6 Murray, New York. (See adv. index, end of book)
Schutte & Koerting Co., 1261 N 12th, Philadelphia, Pa.
Scranton Steam Pump Co. ("Union"), Scranton, Pa.

Blowers (Gas)

(See Exhausters, Gas)

Blowers (Hand)

(See also Forges, Portable)

Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Royal"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Comstock, Geo. S. ("Tornado" Geared Blower), Mechanicsburg, Pa.
Foos Mfg. Co. (Blacksmiths'), Springfield, O.
National Blower Works, Milwaukee, Wis.
Roots Forge Co., Buffalo, N. Y.
Roots, P. H. & F. M. Co., Connersville, Ind.
Star Forge Co. (Geared), Buffalo, N. Y.
Sturtevant, B. F. Co., Hyde Park, Mass.

Blowers (Jet)

Eynon-Evans Mfg. Co. (Steam Jet for Gas Producers, etc.), 1519 Clearfield, Phila., Pa.
McClave-Brooks Co. ("McClave's" Argand Steam Blower), Scranton, Pa.
Schutte & Koerting Co. (Steam Jet Blowers & Exhausters), 1261 N 12th, Phila., Pa.
Thacher, Geo. H. & Co. ("Coe's"), Albany, N.Y.

*Blowers (Motor Driven)

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Blowers (Organ)

Backus Water Motor Co., Newark, N. J.
Beach-Russ Co., Long Island City, N. Y.
Organ Power Co. ("Orgoblo" or "Spencer" Silent), Hartford, Conn.

Blowers (Positive Pressure)

AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Beach-Russ Co., Long Island City, N. Y.
CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Connersville Blower Co., Connersville, Ind.
Crowell, Gilmer, 296 Taaffe pl., B'klyn, N. Y.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Gibson Iron Works Co. (Steam Jet), 170 1st, Jersey City, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Roots, P. H. & F. M. Co., Connersville, Ind.
Sturtevant, B. F. Co., Hyde Park, Mass.
Timmis & Clissold, Boundbrook, N. J.
U. S. Gas Furnace Co., 159 Aborn, Providence, R. I.
Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.

Blowers (Pressure)

American Blower Co., Detroit, Mich.
AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Buffalo Forge Co. (Steel), Buffalo, N. Y.
Champion Blower & Forge Co. (Steel), Lancaster, Pa.
Connersville Blower Co. (Rotary), Connersville, Ind.
Cornell, J. B. & J. M. Co. ("The Poole"), 26th & 11th av, New York
Crowell, Gilmer ("Crowell" Positive), 296 Taaffe Pl., Brooklyn, N. Y.
Dixie Mfg. Co., Baltimore, Md.
Exeter Machine Works, Exeter, N. H.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
Hartford Blower Co., Hartford, Conn.
HILL & GRIFFITH CO. (Cupola), Cincinnati, O. (See adv. index, end of book)
Monarch Engineering & Mfg. Co. ("Monarch" Low Pressure), Baltimore, Md.
National Blower Works, Milwaukee, Wis.
Natural Power Co., Kirkwood, Mo.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works, Bucyrus, O.
Roots, P. H. & F. M. Co. (Rotary), Connersville, Ind.
Star Forge Co. ("Star" Steel), Buffalo, N. Y.
Sturtevant, B. F. Co., Hyde Park, Mass.
U. S. Gas Furnace Co., 159 Aborn, Providence, R. I.
Wilbraham-Green Blower Co. ("Green" Rotary Pressure), Pottstown, Pa.

Blowers (Rotary Pressure)

AMERICAN GAS FURNACE CO., 24 John, New York. (See adv. index, end of book)
Beach-Russ Co., Long Island City, N. Y.
Connersville Blower Co., Connersville, Ind.
Crowell, Gilmer, 296 Taaffe pl., Brooklyn, N. Y.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Roots, P. H. & F. M. Co., Connersville, Ind.
Sturtevant, B. F. Co., Hyde Park, Mass.
Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.

*Blowers (Steam)

BEGGS, JAS. & CO., 109 Liberty, New York. (See adv. index, end of book)

Blowers & Exhausters (Electric)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
MECHANICAL APPLIANCE CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.

Blue Print Cars & Frames

American Drafting Furniture Co., Rochester, N. Y.
Fritz & Goeldel Mfg. Co. (Frames), 95 Alabama, Grand Rapids, Mich.

Blue Print Filing Cabinets

American Drafting Furniture Co., Rochester, N. Y.
Butler, A. G., 284 Pearl, New York
Cleveland Wire Spring Co., Cleveland, O.
Fritz & Goeldel Mfg. Co., 95 Alabama, Grand Rapids, Mich.

*Blue Print Intensifyer & Unifying Tablets for Blue Print Baths

SOLTMANN, E. G.
(Also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

*Blue Print & Brown Print Papers

(See also Black & Blue Prints & Papers)

SOLTMANN, E. G.
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

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Blue Printing Machines

American Drafting Furniture Co. (Electric), 9 Railroad, Rochester, N. Y.
BUCKEYE ENGINE CO. (Electric "The Sun that Never Sets"), Salem, O. (See adv. index & branch offices, end of book)
Dietzgen, Eugene Co. (Automatic Electric), 181 Monroe, Chicago, Ill.
ELLIOTT, B. K. CO. ("Elliott" Electric), 108 6th, Pittsburg, Pa. (See adv. index, end of book)
GENERAL ELECTRIC CO. (with Enclosed Arc Lamps), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Keuffel & Esser Co. ("Champion," Continuous), 127 Fulton, New York
Pease, C. F. Blue Print Machinery & Supply Co., 22 5th av, Chicago, Ill.
Revolute Machine Co. ("Everett-McAdam" Continuous Electric), 523 W 45th, New York
Rondinella, L. F. ("Star" Sun & Electric), Phila., Pa.
United States Blue Print Paper Co., 263 La Salle, Chicago, Ill.
Wagenhorst, J. H. & Co. (Automatic), Youngstown, O.
Williams, Brown & Earle (Automatic Electric), 918 Chestnut, Phila., Pa.

Blue Vitriol

(See Battery Chemicals with the words Blue Vitriol following their names)

*Board ("Beaver")

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)

BEAVER BOARD
The Modern Wall Takes Place of Both
& Ceiling Material Lath and Plaster

*Board Lifters (Steam)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Board (Wall)

(See Wall Boards)

*Boards (Binders')

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

*Boards (Fibre)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

Boards (Friction)

American Straw Board Co., 84 Van Buren, Chicago, Ill.
Davey, W. O. & Sons, Jersey City, N. J.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Manhattan Straw Board Co., 143 Wooster, New York

Boards (Hanger)

Brady, T. H., New Britain, Conn.
Outter, Geo. Co., South Bend, Ind.
Fort Wayne Electric Works, Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Knowles, O. S., 9 Arch, Boston, Mass.
Lundin Electric & Machine Co. ("Arc Lamp" with absolute cut-out), 10 Thacher, Boston, Mass.
Paiste, H. T. Co., 32d & Arch, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Worcester Electric Mfg. Co., Worcester, Mass.

*Boards (Hosiery)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

*Boards (Insulating Press)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

*Boards (Leather)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

*Boards (News)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

Boards (Panel, Etc.)

(See Switchboards, Light & Power)

*Boards (Pattern)

HEWITT, C. B. & BROS. ("A. B. C."), 49 Beekman, New York. (See adv. index, end of book)

Boards (Shoveling)

Anderson Company ("The Acme"), St. Paul, Minn.
Bristol & Gale Co. ("Lakeside"), Chicago, Ill.
Brocksmith Wagon Co., Carrollton, Md.
Butler Co., Butler, Ind.
Des Moines Wagon Works ("Des Moines"), Des Moines, Ia.
Hunt, Helm Ferris & Co. ("Star"), Harvard, Ill.
Nagley Mfg. Co. ("The Sampson"), Lyons, N. Y.
Peoria Drill & Cedar Co. ("Valley City"), Peoria, Ill.
Sturgis, W. B. & Son ("New Western"), Shelbyville, Ill.
Swanson, T. Mfg. Co., Shenandoah, Ia.
Tenney & Sikking (Inc.) ("Superior"), Decatur, Ill.

Boards (Sounding)

Architectural Acoustics Co. (Designers), Ellington, N. Y.
Breckewoldt, J. & Co., Dolgeville, N. Y.
Dodge-Pasey Co. (Piano), Los Angeles, Cal.
Howell, J. J. Son (Church), 275 Oakland, Brooklyn, N. Y.
Parker & Young Co., Lisbon, N. Y.

*Boards (Straw)

HEWITT, C. B. & BROS. (Air & Steam Dried), 49 Beekman, New York. (See adv. index, end of book)

Boards (Tar)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Knerr, Lewis (Paper), Cincinnati, O.

*Boards (Trunk)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

Boat & Launch Trimmings

Laughlin, Thos. Co., Portland, Me.
Liberty Brass Works, 303 W Lombard, Baltimore, Md.
Simpson, Thos. J., 94 John, New York
Twentieth Century Brass & Iron Works, Minneapolis, Minn.

Boats (Collapsible)

Lane & De Groot Co., 17 Battery pl., New York

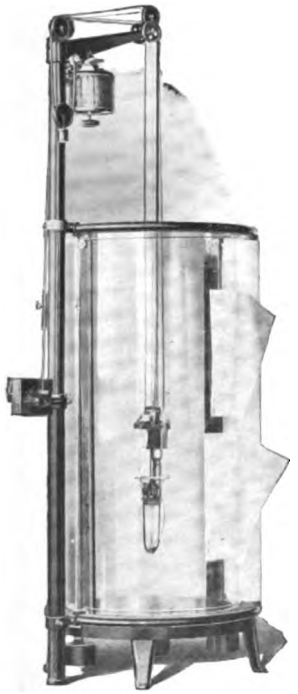
Paper Boards Glue

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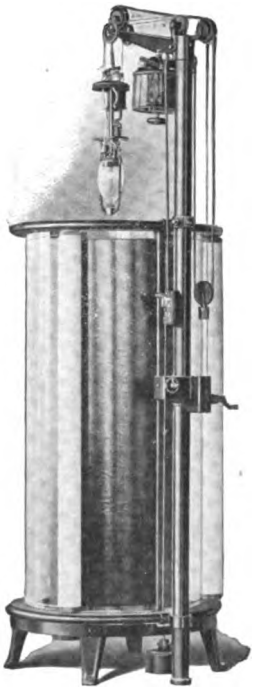
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Hendricks'

Commercial Register

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Boats (Knocked-Down)

Neumeister, Fred P., Rockford, Ill.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Pioneer Boat & Pattern Co., Bay City, Mich.
St. Louis Boat & Engine Co., 3608 S Main, St. Louis, Mo.
Supple, Joseph, Portland, Ore.

Boats (Life)

American Ship Building Co., Cleveland, O.
Armstrong Cork Co., Pittsburg, Pa.
Burlee Dry Dock Co., Port Richmond, N. Y.
Detroit Shipbuilding Co. ("Kirby" Metallic), Brass Dept., Detroit, Mich.
Drain, Thos. & Son, Wilmington, Del.
Higgins & Gifford Boat Mfg. Co., Gloucester, Mass.
Lane & De Groot Co. (Metallic Self-Bailing & Self-Righting Collapsible; also Wood Boats), 17 Battery pl., New York
Mayo Life Boat Co. (Unsinkable), Erie, Pa.

Boats (Motor)

(See Motor Boat, Launch & Yacht Builders)

Boats (Steel)

(See also Motor Boat, Launch & Yacht Builders)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Lane & De Groot Co. (Also Wooden Boats), 17 Battery pl., New York
Michigan Steel Boat Co., 1250 Jefferson av, Detroit Mich.
MULLINS, W. H. CO., Salem, O. (See adv. index, end of book)

Bodies (Automobile, Metal)

Cole & Woop, 48 W 67th, New York
Columbia Steel Co., Elyria, O.
Detroit Motor Car Supply Co., 1250 Jefferson av, Detroit, Mich.
Hayes Mfg. Co., Detroit, Mich.
Keystone Wagon Works, Reading, Pa.
Koen, James R., 1257 Niagara, Buffalo, N. Y.
Lawrence, L. & Co. (Aluminum), 292 Halsey, Newark, N. J.
Leitch, J. N. Co., Amesbury, Mass.
Michigan Steel Boat Co. (Steel), Detroit, Mich.
Quinby, J. M. & Co., 27 Division, Newark, N.J.
Reading Metal Body Co., Fleetwood, Pa.
Springfield Metal Body Co., 374 Birnie av (Brightwood), Springfield, Mass.
U. S. Aluminum Co. (Aluminum), New Kensington, Pa.
Wood, A. M. Co., 51 Beverly, Boston, Mass.

Bodies (Automobile, Wood)

Abresch, Chas. Co., 392 4th, Milwaukee, Wis.
American Veneer Co. (Laminated), Kenilworth, N. J.
Automobile Body Co., Lansing, Mich.
Biehl's Carriage Works, Reading, Pa.
Borbein Auto Co., 2108 N 9th, St. Louis, Mo.
Borchers Carriage Co., 18 S St. Clair, Dayton, Ohio
Briggs Carriage Co., Amesbury, Mass.
Buckeye Carriage Body Co., Bellefontaine, O.
Central Mfg. Co., Connersville, Ind.
Cincinnati Panel Co., c 8th & C. H. & D. R'y, Cincinnati, O.
Cole & Woop, 48 W 67th, New York
Collins, G. A. & Son, Akron, O.
Currier-Cameron Co., Amesbury, Mass.
Dann Bros. & Co., New Haven, Conn.
Detroit Carriage Co., Clay & St. Aubin avs, Detroit, Mich.
Detroit Motor Car Supply Co., 1250 Jefferson av, Detroit, Mich.
Frantz Body Mfg. Co., Akron, O.
Holcomb Co. (Inc.), New Haven, Conn.
Howarth & Rogers Co., Amesbury, Mass.
Keystone Wagon Works Co., Reading, Pa.
King Spring Co., Buffalo, N. Y.
Koen, James R., 1257 Niagara, Buffalo, N. Y.
Leitch, J. N. Co., Amesbury, Mass.
Limousine Carriage & Mfg. Co., 3515 Michigan av, Chicago, Ill.
Michigan Steel Boat Co., 1250 Jefferson av, Detroit, Mich.
Moore-Munger Co., 602 W 52d, New York
Neustadt Automobile & Supply Co., 3950 Olive, St. Louis, Mo.
New Haven Carriage Co., New Haven, Conn.
Quinby, J. M. & Co., 27 Division, Newark, N.J.
Schubert Bros. Gear Co., Oneida, N. Y.
Shepard, H. G. & Sons, New Haven, Conn.
Shields Carriage Co., Amesbury, Mass.
Union City Body Co., Union City, Ind.
Willoughby Co., Utica, N. Y.
Wilson, C. R. Body Co., Milwaukee Junction, Detroit, Mich.
Wood, A. M. Co., 51 Beverly, Boston, Mass.
York Wagon Gear Co., Belvidere c P. R. R., York, Pa.

Body Straps

(See Bells, Sleigh)

Boiler Arch Plates

Lamprey Co., Westfield, Mass.
Mayville Specialty Mfg. Co., Mayville, Wis.
Risley-Moser Co., Princeton, Ind.

Boiler Arches

Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co. (Fire Brick), Robinson, Pa.
Mayville Specialty Mfg. Co. ("Monarch," Portable, Made of Cast Iron & Brick), Mayville, Wis.
McLeod & Henry Co. (Fire Brick, Steel Mixture), Troy, N. Y.
MAURER, HENRY & SON, 420 E 23d, New York, Penna bldg, Phila., Pa. Works: Maurer, N. J. (See adv. inside front cover)
Presbrey Stove Lining Co., Taunton, Mass.

Boiler Blow-Off Protector

Mather, Edmund, Harrisburg, Pa.

Boiler Brace Mfrs.

American Iron & Steel Mfg. Co. (Wrought Iron), Lebanon & Reading, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
KEWANEE BOILER CO., Kewanee, Ill., & 85 Michigan av, Chicago, Ill. (See adv. index, end of book)
Lukens Iron & Steel Co., Coatesville, Pa.
Ryerson, Jos. T. & Son ("McGregor"), 16th & Rockwell, Chicago, Ill.
Scully Steel & Iron Co. ("McGregor"), 140 Fulton, Chicago, Ill.
Ulster Iron Works, Dover, N. J.

Boiler Cleaners

(See Cleaners, Boiler Flue & Tube)

Boiler Compounds

Amazon Chemical Mfg. Co. ("Amazon" Vegetable), Manistee, Mich.
American Boiler Purger Co., 105 John, New York
American-German Boiler Compound Co., 164 Dearborn, Chicago, Ill.
American Oil Works ("Brown"), Rochester, N. Y.
American Supply Co., 3220 2d av, Pittsburg, Pa.
Anti-Selenite Co. ("Anti-Selenite"), Security bldg, St. Louis, Mo.
Arlington Mfg. Co. ("Arlington" Vegetable), Canton, O.
Arrow Boiler Compound Co. ("Arrow"), 408 Olive, St. Louis, Mo.
Atlantic Refining Co., Citizens bldg., Cleveland, Ohio
Atlas Preservative Co. of America ("Atlas"), 25 Old Slip, New York
Barnum Bros. Co. ("Electric"), Troy, N. Y.
Bauchelle Mfg. Co., 159 W 24th, New York
Belden, A. G. ("Gambier"), 145 Maiden la, New York
Beltine Chemical & Mfg. Co., Kinzie & Sangamon, Chicago, Ill.
Binghamton Boiler Compound Co. ("Pyramid"), Binghamton, N. Y.
Bird-Archer Co. ("Bird-Archer," "Manhattan," "Boogher"), 90 West, New York
Black Bear Co., 80 Pine, New York
British-American Chemical Co. ("Brisam"), Paterson, N. J.
Buckeye Chemical Co., Chamber of Commerce, Detroit, Mich.
Canton Paint & Varnish Co., Canton, O.
Champion Oil Co., W 39th & Lowe av, Chicago, Ill
Cherry Chemical Co. ("Red Seal"), 1018 Callowhill, Phila., Pa.
Chesterton, A. W. & Co. ("Challenge"), 64 India, Boston, Mass.
Cleveland Mfg. & Supply Co. ("Cleveland"), Cleveland, O.
Continental Chemical Co. ("C. C. C."), 119 S 4th, Phila., Pa.
Coralline Drug & Chemical Co. ("Coralline"), Greenwich, New York
Corliss Chemical Co., 465 409 S 12th, St. Louis, Mo.
Cortland Specialty Co. ("Banner"), Cortland, N. Y.
Crawford, Clay, 845 W Woodruff av, Toledo, O.
Crescent Mfg. Co., 1708 Columbus rd, N W, Cleveland, O.
Dearborn Drug & Chemical Works, Postal Tel. bldg, Chicago, Ill.
Diamond Compound Co. (Inc.) ("Diamond"), Newark, N. J.
Dixon Chemical Co., 210 Olive, St. Louis, Mo.
DuMond, Wm. R. ("Solventine"), 89 South, New York
Eagle Oil & Supply Co. (U. S. Standard), 104 Broad, Boston, Mass.
Economy Oil & Compound Co., 442 Clark, Chicago, Ill.
Eureka Chemical Co., 204 N Commercial, St. Louis, Mo.
Gallaway, G. W. ("Heichstadter's"), 322 Pearl, New York
Gardiner, G. N. & Son, 15 William, New York
Gast, F. J. ("Compo."), 80 John, New York
General Lubricating Co., 424 Weightman bldg, Phila., Pa.
General Specialty Co. ("Demon" & "Torpedo"), Buffalo, N. Y.
Gilmour, R. M. Mfg. Co., 105 John, New York
Globe Boiler Compound Co. ("Case"), Binghamton, N. Y.
Griffiths, A. J. & Son, 229 S Front, Phila., Pa.
Griggs, Jos. E., Indianapolis, Ind.
Hallsall, Geo., Jamestown, N. Y.
Harlem Supply Co. ("American"), 414 N Front, Baltimore, Md.
Harris, A. W. Oil Co. ("Harris"), Providence, R. I.
Hawk-Eye Compound Co. ("Hawk-Eye"), Merrick blk, Chicago, Ill.
Hayner, Norman C. Co., 16 S Washington, Rochester, N. Y.
Herb Boiler Compound Co., 6801 Pear av, N. W., Cleveland, O.
Howard Chemical Co. ("Scale-Off"), 63 Fulton, New York
Hull, Fred A., South Bend, Ind.
Illinois Boiler Cleaning Compound Co., 79 Dearborn, Chicago, Ill.
Imperial Chemical Co., 514 N American, Phila., Pa.
Indianapolis Boiler Compound Co. ("Peerless" Water Breaker), 10th & Canal, Indianapolis, Ind.
Indianapolis Chemical Co. ("Acme," "Star"), Indianapolis, Ind.
International Boiler Cleaning Co. ("Scaline"), 423 East, Baltimore, Md.
International Boiler Compound Co., 47 Market, Chicago, Ill.
Ironsides Co., The Wyandotte, Columbus, O.
Jewell Engineering Co., 206 W Lake, Chicago, Ill.
Johns, H. W.-Manville Co. ("Magic"), 100 William, New York
Johnson Compound & Supply Co. ("Sumac"), Rochester, N. Y.
Keasbey & Mattison Co., Main Office & Works, Ambler, Pa.
Kentucky Consumers' Oil Co., Louisville, Ky.
Kenzel, Jno. S., 451 Pearl, New York
Keystone Chemical Mfg. Co. ("Keystone," Tri-Sodum Phosphate), Penna. bldg, Phila., Pa.
Keystone Lubricating Co., Phila., Pa.
King-Keystone Oil Co., San Francisco, Cal.
Kohlbrand, H. & Co. ("Anchor"), 221 E Pearl, Cincinnati, O.
Kuhne-Libby Co. ("Marvel"), 60 Water, New York
Lagonda Mfg. Co. ("Lagonda," "Union," "Weinland"), Springfield, O.
Lake Erie Boiler Compound Co. ("Red Star"), Buffalo, N. Y.
Lord, Geo. W. Co., 2238 N 9th, Phila., Pa.
Lord, Henry W. ("Lord's"), Franklin bldg, Baltimore, Md.
Lynch-Clarisey Co., 3652 Archer av, Chicago, Ill.
Lynch, Wm., 32 Bay, Brooklyn, N. Y.
McJilton, Wm. F. ("American"), 178 Atlantic av, Brooklyn, N. Y.
Mallory, W. H., Omaha, Neb.
Metropolitan Steam Boiler Compound Co., 26 Court, Brooklyn, N. Y.
Minnesota Boiler Compound Co., Bradley bldg, St. Paul, Minn.
Mohawk Refining Co. ("Mohawk"), 1187 W 11th, N W, Cleveland, O.
Moore Vegetable Boiler Purger Co., 21 Jefferson, Detroit, Mich.
National Mill Supply Co. ("Star"), Fort Wayne, Ind.
Nebraska Boiler Compound Co., Omaha, Neb.
New Era Mfg. Co. (Soluble Metal), Kalamazoo, Mich.
Nonkoroda Co., 25 New Chambers, New York
Northrop Lubricating Oil Co. ("Famous"), 306 N Commercial, St. Louis, Mo.

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Magnolia Boiler Compound Co. ("Magnolia") Cincinnati, O
Nuhring, Chas. & Bro. ("Victor," "Success"), 907 Walnut, Cincinnati, O
O'Neil Oil & Paint Co. ("O'Neils"), 297 E Water, Milwaukee, Wis
Parsons, J. H. Chemical Co. ("A. B. C. Alkali"), Masonic Temple, Chicago, Ill
Patapsco Oil & Grease Co. ("Perfection"), 106 Cheapside, Baltimore, Md
Pittsburg Boiler Scale Resolvent Co., Bessemer bldg, Pittsburg, Pa.
Read, Edward B., San Francisco Cal.
Reliance Oil & Greese Co., 50 South, New York
Russian Mfg. Co., 12 Federal, Allegheny, Pa.
Scribner Boiler Compound Co., 408 W Lake, Chicago, Ill.
Smith, H. Bentley Co. ("Hibis"), Phila. Bourse, Phila., Pa.
Smith, Kline & French Co. ("McNelly's" American), 435 Arch, Phila., Pa.
SMOOTH-ON MFG. CO. ("Smooth-on" Scale), Jersey City, N. J. (See adv. index & branch offices, end of book)
Star Boiler Compound Co., Cincinnati, O.
Star Lubricating Co., 232 W 28th, New York
Star Lubricating Oil Co. ("Excelsior"), 3408 Kinsman rd, S E, Cleveland, O.
Star Oil Co. ("Acme"), 307 S Desplaines, Chicago, Ill.
Stephenson Mfg. Co. ("Stephenson"), Albany, N. Y.
Sterling Boiler Compound Co., 206 B'way, New York
Straus & Co. ("Boilerine"), 55 Broad, New York
Streett, J. D. & Co. ("Lightning"), 809 N 2d, St. Louis, Mo.
Stuart, D. A. & Co., 447 Illinois, Chicago, Ill.
Sullivan Oil Co., 48 N Wells, Chicago, Ill.
Superior Chemical & Engineering Co., Marquette bldg, Chicago, Ill.
Surcoat Mfg. Co., Detroit, Mich.
Thompson, Walter M., Cincinnati, O.
Union Chemical & Drug Co., Cincinnati, O.
U. S. Chemical Co., Wade bldg, Cleveland, O.
Vulcan Asbestos Mfg. Co. ("Zincra"), 102 Pearl, New York
Wadhams Oil Co. ("Eureka"), 215 National av, Milwaukee, Wis.
Walsh, John F. ("U. S. Scalesolvent"), 23 W Lake, Chicago, Ill.
Warley, Thos. C. & Co., 221 S Front, Phila., Pa.
Warren & Bailey Mfg. Co. ("Acme"), 359 N Main, Los Angeles, Cal.
Western Boiler Compound & Chemical Co., Kansas City, Mo.
Wilson, Clark Co., 11722 Euclid av, Cleveland, Ohio
Wilson Co. ("Wilson"), 18 B'way, New York
Wilson & Roake, 201 Front, New York
Wing, J. T. & Co., Detroit, Mich.
Winn, Wm. R. ("Winn"), 143 Maiden lane, New York
Wolff, Norbert & Son ("Wolff"), 470 Greenwich, New York
Zephon Chemical Compound Co., 77 Jackson boul, Chicago, Ill
Zurn, O. F. Co. ("Peerless"), Broad & Lehigh av, Phila., Pa.

Boiler Coverings

(See Pipe & Boiler Coverings)

Boiler Dealers

(See Machinery Dealers)

Boiler Door Arches

(See Boiler Arches; also Cupola Linings or Blocks)

*Boiler Flanges (Forged Steel)

AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)

Boiler Flue Holes & Manholes (Flanged)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co. (Pressed Open Hearth Steel), Pottstown, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
Ryerson, Jos. T. & Son, 16th & Rockwell, Chicago, Ill.
Scully Steel & Iron Co., Chicago, Ill.
Worth Bros. Co., Coatesville, Pa.

Boiler Flue & Tube Cleaners

(See Cleaners, Boiler Flue & Tube)

Boiler Fronts & Castings

AMERICAN BRAKE SHOE & FOUNDRY Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Chickasaw Iron Works, Memphis, Tenn.
Coatesville Foundry & Machine Co., Coatesville, Pa.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Eddy, R. M. Foundry Co., 59 Indiana, Chicago.
Erie City Iron Works, Erie, Pa. Ill.
Erie Engine Works, Erie, Pa.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Frick, Horace E. Co., 280 Greenwich, New York
Frost Mfg. Co., Galesburg, Ill.
Harrisburg Foundry & Machine Works, (Colonial Style), Harrisburg, Pa.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Howell, R. B. & Co., Minneapolis, Minn.
Janney & Co., Montgomery, Ala.
Keeler, E. Co., Williamsport, Pa.
Kelly Foundry & Machine Co., Goshen, Ind.
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
KUTZTOWN FOUNDRY & MACHINE Co., 116 N Broad, Philadelphia, Pa. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Memphis Machine Works, Memphis, Tenn.
Metropolitan Iron Foundry, 548 W 55th, New York
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Munroe, R. & Sons Corp'n, Pittsburg, Pa.
Murray Iron Works Co., Burlington, Iowa
National Tube Co., Pittsburg, Pa.
Niver Iron Works Co., Muscatine, Iowa
Nordyke & Marmon Co., Indianapolis, Ind.
Odlum-Taylor Boiler Co., Memphis, Tenn.
Paxton & Vierling Iron Works, Omaha, Neb.
Peacock's Iron Works, Selma, Ala.
Petty, J. K. & Co. (Lebanon Boiler Works), Philadelphia, Pa.; Works: Lebanon, Pa.
Ricard Boiler & Engine Co., Toledo, O.
Scully Steel & Iron Co., 00 N Halsted, Chicago
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Thacher, Geo. H. & Co., Albany, N. Y.
Valley Iron Works, Williamsport, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Steam Shovel Co., Toledo, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

Boiler Heads (Flanged & Dished)

Avery Stamping Co. (All Gauges), 3207 Lakeside av, N E, Cleveland, O.
Central Iron & Steel Co., Harrisburg, Pa.
Crucible Steel Co. of America (Open Hearth Steel), Pittsburg, Pa.
Glasgow Iron Co. (Flange & Dished, Steel), Pottstown, Pa.
Keeler, E. Co., Williamsport, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
Munroe, R. & Sons Corp., Pittsburg, Pa.
Ryerson, Jos. T. & Sons (Inc.), 22 Milwaukee av, Chicago, Ill.
Scully Steel & Iron Co., 136 Fulton, Chicago
Springfield Boiler & Mfg. Co., Springfield, Ill
Standard Boiler & Plate Iron Co., Niles, O.
Tudor Boiler Mfg. Co., Cincinnati, O.
Worth Bros. Co. (Flange & Dished), Coatesville, Pa.

*Boiler Heads (Pressed Steel)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
PRESSED STEEL TANK CO. (Also Tank Heads), Milwaukee, Wis. (See adv. index, end of book)

Boiler Lugs

Castle, A. M. & Co. ("The Drake" Castle Pressed Steel), 55 N Jefferson, Chicago, Ill.
Glasgow Iron Co. ("Pressed Steel), Pottstown, Pa., & 1502 Market, Phila., Pa
KUTZTOWN FOUNDRY & MACHINE Co. (Cast Iron), 116 W Broad, Phila., Pa. (See adv. index & branch offices, end of book)
Lukens Iron & Steel Co., Coatesville, Pa.
Ryerson, Jos. T. & Sons (Inc.), 16th & Rockwell, Chicago, Ill.
Scully Steel & Iron Co. (Pressed Steel), Chicago, Ill.
Worth Bros. Co., Coatesville, Pa.

*Boiler Makers' Tools (Kitchen)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Boiler Mountings (Portable)

ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)

*Boiler Purifying Apparatus

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

*Boiler Saddles (Cast Steel)

AMERICAN BRAKE SHOE & FOUNDry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Boiler Saddles (Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
Worth Bros. Co., Coatesville, Pa.

Boiler Scale Preventing and Water Circulating System

Goss Water Tube Boiler Co. (By Excess Steam Pressure), 204 Dearborn, Chicago, Ill.

Boiler Setting (Brickless Steel)

Casey-Hedges Co. ("C. H." Patents), Chattanooga, Tenn.

Boiler Shells (Automobile)

Avery Stamping Co., Cleveland, O.
Hungerford, U. T. Brass & Copper Co. (Copper), 407 Pearl, New York
Janney, Steinmetz & Co. (Seamless Steel), Central Trust & Sav. bldg, Phila., Pa.
PRESSED STEEL TANK CO. (Seamless Steel), Milwaukee, Wis. (See adv. index, end of book)
Randolph-Clowes Co. (Copper), Waterbury, Conn.
SCAIFE, WM. B. & CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Standard Welding Co. (Welded Steel), Cleveland, O.

Boiler Stands (Range)

Casey-Hedges Co., Chattanooga, Tenn.
CENTRAL FOUNDRY CO, ("Murphy," "Universal" & "Lockwood"), 37 Wall, New York. (See adv. index, end of book)
Fleck Bros. Co. 44 N 5th, Phila., Pa.
Foster, C. H. ("Foster's" Adjustable Boltless), 3403 Bell av, St. Louis, Mo.
Gregory, Thos. Galvanizing Works (Galvanized), 283 N Henry, Brooklyn, N. Y.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
KOVEN, L. O. & BRO. (Galvanized), 50 Cliff, New York. (See adv. index, end of book)
Kupferle, John C. Foundry Co., St. Louis, Mo.
Lawler Regulator Co. (Adjustable), 473 W B'way, New York
Modern Iron Works, Quincy, Ill.
Morrison-Kretschmer Co. ("Morrison" Tripod), Dubuque, Iowa
Northwestern Fdy. Supply Co., Detroit, Mich.
SCAIFE, WM. B. & SONS CO. (Galvanized Iron), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Swett, A. L. Iron Works, Medina, N. Y.

Boiler Tubes

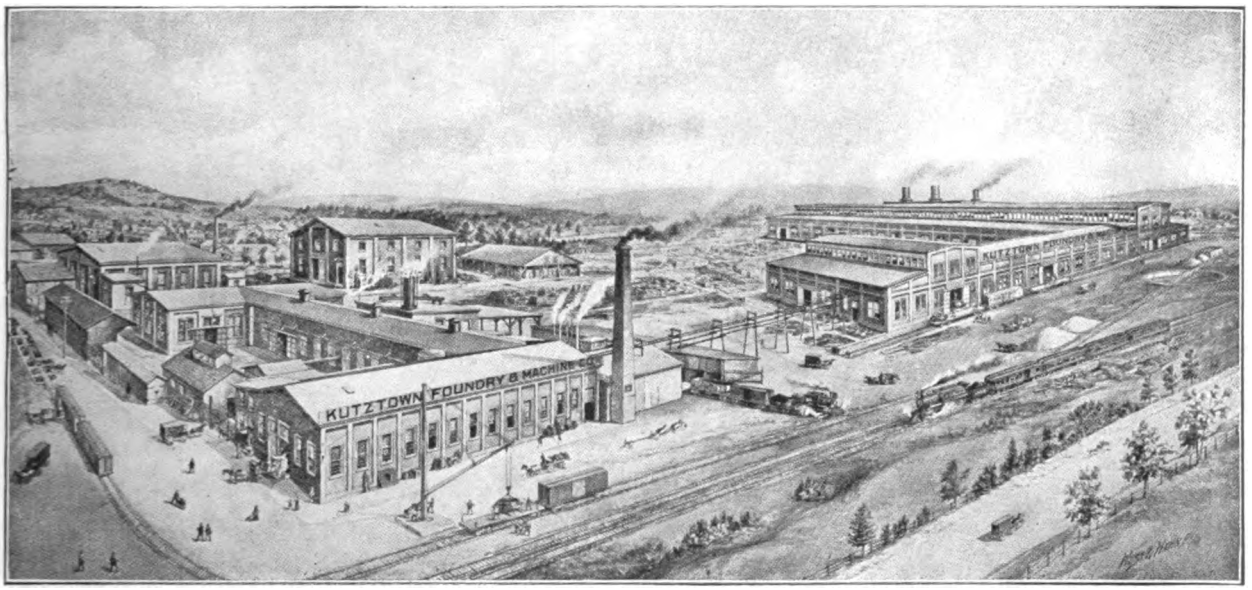
(See also Pipe & Tube Mills)

Coatesville Rolling Mill Co. (Lap Welded Charcoal Iron 1¼ to 8 in. Diameter), Coatesville, Pa.
Delaware Seamless Tube Co. (Seamless Steel), Auburn, Pa.
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel), Detroit, Mich.
Eagle Tube Co., 164 Nassau, New York

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KUTZTOWN FOUNDRY AND MACHINE COMPANY

INCORPORATED



Boiler Fronts and Castings, Machine Castings,
Grate Bars and Furnace Castings.
Special Machinery for Garbage Disposal Plants.

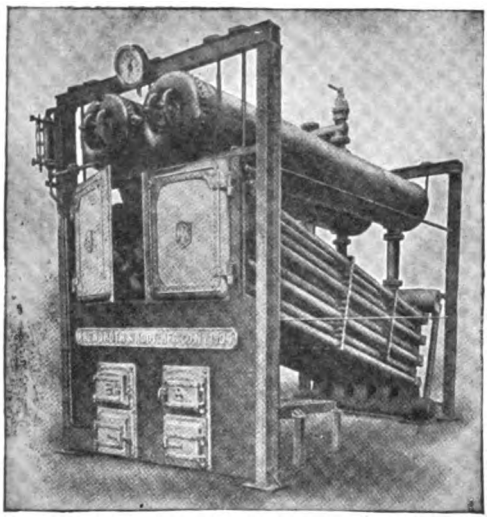
WORKS:
KUTZTOWN, PA.

PHILADELPHIA OFFICE:
116 NORTH BROAD ST.

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THE IMPROVED

ROOT WATER TUBE BOILERS



THE ROOT SECTIONAL WATER TUBE BOILER

Embodying to the highest degree Fuel Economy, Easy Steaming Qualities, Safety, Low Cost of Maintenance and Large Overload Capacity.

Is built in sections which may be easily transported on mule back.

Abendroth & Root Mfg. Co.

WORKS:
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SALES OFFICES: 50 Church Street, New York City
522 Monadnock Block, Chicago, Ill.



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ESTABLISHED 1841

BADGER'S
Copper Hot Water Boilers

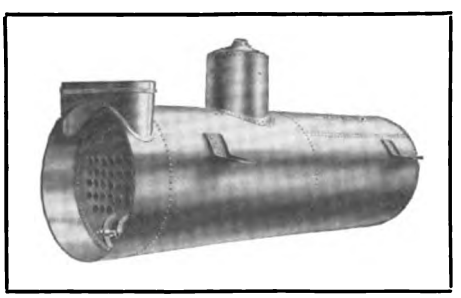
Upright or Horizontal—Sizes 5 to 1500 Gallons (with or without Coils.) Stock Sizes 30 to 100 Gallons. Made from Copper. No Iron. No Rust. Interior heavily tinned, insures perfectly clean water. Pressure boilers are made with riveted heads and reinforced with heavy brass rings.

E. B. BADGER & SONS COMPANY

63-75 PITTS STREET, BOSTON, MASS.



DIRECT PRESSURE



CHICAGO STORE
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KEWANEE BOILERS

For power and for heating. QUALITY is what sells so many KEWANEE boilers—Quality of design, Quality of material, Quality of workmanship. They are BOILERS OF CHARACTER. Be sure and send for Catalogue No. 50. Don't forget the name.

KEWANEE BOILER COMPANY

KEWANEE, ILLINOIS

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McMANN & TAYLOR CO. (Jobbers), 104 John, New York. (See adv. index, end of book)

Mark Mfg. Co. (Lap Welded), Evanston, Ill.; Works: Zanesville, O.

Monongahela Tube Co., Pittsburg, Pa.

National Tube Co., Frick bldg, Pittsburg, Pa.

New Jersey Tube Co. (Spirally Corrugated), Harrison, N. J.

Ohio Seamless Tube Co. (Seamless Steel), Shelby, O.

Parkesburg Iron Company (Charcoal Iron), Parkesburg, Pa.

Reading Iron Co., Reading, Pa.

Reliance Tube Co. (Lap Welded Steel & Charcoal Iron), 421 Wood, Pittsburg, Pa.

Seamless Tube Co. of America (Seamless Drawn Steel), Pittsburg, Pa.

Shelby Steel Tube Co. (Cold Drawn), Pittsburg, Pa.

Spang, Chalfant & Co. (Inc.) (Butt & Lap Welded Wrought Iron & Steel), Pittsburg, Pa.

Tyler Tube & Pipe Co. (Kobbled Charcoal Iron & Algerite Iron Boiler Tubes), Washington, Pa.

Worth Bros. Co., Coatesville, Pa.

Youngstown Sheet & Tube Co., Youngstown, O.

Boiler Washing & Testing Apparatus

Erie Heating Co. ("Erie" Automatic), Railway Exchange bldg, Chicago, Ill.

Nathan Mfg. Co., 85 Liberty, New York

Rue Mfg. Co., 120 Bread, Phila., Pa.

SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)

Boilers (Automobile)

Barton Boiler Co. ("Simplex" Flash), 2427 Calumet av, Chicago, Ill.

Bigelow Co. (Fire Tube), New Haven, Conn.

Janney, Steinmetz & Co. (Seamless Steel), Central Trust & Sav. bldg, Phila., Pa.

Kitts Mfg. Co. (Semi-Flash), Oswego, N. Y.

Locke Regulator Co. (Fire Tube), Salem, Mass.

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Murray & Tregurtha Co. (Water Tube), Boston, Mass.

Ofeldt, F. W. & Sons (Water Tube), Nyack, N.Y.

PRESSED STEEL TANK CO. (Pressed Steel), Milwaukee, Wis. (See adv. index, end of book)

Steam Carriage Boiler Co. ("Universal" "Standard" Fire Tube), Oswego, N. Y.

Throop Perforating Co. (Fire Tube), Buffalo, N.Y.

Walker, E. C. Co. (Fire Tube), New Albany, Ind.

Boilers (Bath)

(See Boilers, Range, Galvanized Iron)

Boilers (House Heating)

(See Heaters, Steam & Hot Water)

Boilers (Locomotive, Fire Box)

Atlas Engine Works, Indianapolis, Ind.

BEGGS, JAS. & CO., 109 Liberty, New York. (See adv. index, end of book)

Casey-Hedges Co., Chattanooga, Tenn.

Connelly, D. Boiler Co., Cleveland, O.

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)

KEWANEE BOILER CO., Kewanee, Ill. (See adv. index, end of book)

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

PETROLEUM IRON WORKS CO. Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)

Power & Mining Machinery Co., Works: Cudahy, Wis.

Titusville Iron Co., Titusville, Pa.

Boilers (Low Pressure)

(See Heaters, Steam & Hot Water)

Boilers (Marine)

Abern, D., 203 South, New York

Almy Water Tube Boiler Co., Providence, R. I.

Atlantic Works, Border, Maverick & New sts., E Boston, Mass.

Babcock & Wilcox Co., 85 Liberty, New York

Bath Iron Works, Bath, Me.

Brenner Engineering Co., 89 South, New York

Cain & O'Berry Boiler Works, Orlando, Fla.

Camden Anchor-Rockland Machinery Co., Rockland, Me.

Casey-Hedges Co. (Scotch, Leg, & Special), Chattanooga, Tenn.

Cramp, Wm. & Sons, Phila., Pa.

Delaware Iron Ship Building & Engine Works, Chester, Pa.

Detroit Shipbuilding Co. (Scotch & Fire Box), Brass Dept., Detroit, Mich.

Dialogue, Jno. H. & Sons, Camden, N. J.

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Fletcher, W. & A., Hoboken, N. J.

Fore River Ship Building Co., Quincy, Mass.

Fulton Iron Works, 15 1st, San Francisco, Cal.

Great Lakes Engineering Works, Detroit, Mich.

Harlan & Hollingsworth Corp., Wilmington, Del.

Johnson Bros., Ferrysburg, Mich.

KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)

Kingsford Foundry & Mach. Works, Oswego, N. Y.

Lake Erie Boiler Works, Buffalo, N. Y.

Lawson, J. Mfg. Co., New Holstein, Wis.

Logan, Farrell & Son, Brooklyn, N. Y.

McIlvain & Spiegel Boiler Tank Co., Cincinnati, O.

Mackinnon Mfg. Co., Bay City, Mich.

Manistee Iron Works Co., Manistee, Mich.

Manitowoc Steam Boiler Works, Manitowoc, Wis.

Marine Iron Works Co., Chicago, Ill.

Marvel, T. S. Shipbuilding Co., Newburgh, N. Y.

Maryland Steel Co., Sparrows Point, Baltimore, Md.

Merrill-Stevens Engineering Co., Jacksonville, Fla.

Moran Co., Seattle, Wash.

Mosher Water Tube Boiler Co., 1 B'way, New York

Newburgh Steam Boiler Works, Newburgh, N. Y.

New York Ship Building Co., 12 B'way, New York

Northwestern Steam Boiler & Mfg. Co., Duluth, Minn.

OIL CITY BOILER WORKS, Oil City, Pa. (See adv. index, end of book)

Oldman Boiler Works (Upright), 38 Illinois, Buffalo, N. Y.

Pacific Iron Works, Bridgeport, Conn.

Philadelphia Iron Works, 18th & Penna. av, Phila., Pa.

Portland Co., Portland, Me.

Pusey & Jones Co., Wilmington, Del.

Quintard Iron Works Co., 742 E 12th, New York

Racine Boat Mfg. Co., Muskegon, Mich.

Roberts Safety Water Tube Boiler Co., 30 Cortlandt, New York

Robins, Jno. N. Co., Erie Basin, S Brooklyn, New York

Shewan's, James Sons, ft E Houston, New York

Smith, S. & Son Co., Paterson, N. J.

Southern Marine Works, New Orleans, La.

Spedden Ship Building Co., Baltimore, Md.

Springfield Boiler & Mfg. Co., Springfield, Ill.

Taylor Water Tube Boiler Co., Detroit, Mich.

Throop, Jno. E & Sons, Trenton, N. J.

Townsend & Moore Eng. Works, 2 Erie Basin, Brooklyn, N. Y.

Union Iron Works Co., San Francisco, Cal.

Verdon, Fred'k A., 25 Pine, New York

Volk & Murloch Iron Works, Charleston, S. C.

Boilers (Portable, on Wheels)

Atlas Engine Works, 19th & Martindale ave, Indianapolis, Ind.

Byers, Jno. F. Machine Co. (Vertical), Ravenna, O.

Casey-Hedges Co., Chattanooga, Tenn.

Chandler & Taylor Co., Indianapolis, Ind.

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Erie City Iron Works, Erie, Pa.

Freeman, S. & Sons Mfg. Co., Racine, Wis.

Frick Co., Waynesboro, Pa.

Greensboro Boiler & Machine Co., Greensboro, N. C.

Leffel, James & Co. (The) Springfield, O.

Munroe, R. & Sons Mfg. Co., Pittsburg, Pa.

Oil City Boiler Works (Inc.), Oil City, Pa.

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Phoenix Iron Works Co., Meadville, Pa.

Southern Engine & Boiler Works (Inc.), Jackson, Tenn.

Struthers, Wells Co., Warren, Pa.

Titusville Iron Co., Titusville, Pa.

Union Iron Works Co., San Francisco, Cal.

Boilers (Range, Copper)

BADGER, E. B. & SONS CO., 77 Pitts, Boston, Mass. (See adv. index, end of book)

Blessing, C. A., 516 Montgomery av, Phila., Pa.

Boston Copper Works Co., 84 Marginal, E. B., Boston, Mass.

Dahlquist Mfg. Co. ("Boston"), 40 W 3d, South Boston, Mass.

Hayes Mfg. Co. ("Wilhelme," "Modern" & "Manhattan"), Paterson, N. J.

Jochum, Andrew, 148 E 50th, New York

Manchester, Jas. B. Co., Providence, R. I.

Randolph-Clowes Co. (Brown Bros. "Seamless"), Waterbury, Conn.

Reardon, Jno., 111 Albany, Boston, Mass.

Ronalds & Johnson Co., 54 Cliff, New York

Trageser, John Steam Copper Works, 447 W 28th, New York

Boilers (Range, Galvanized Iron)

Brooklyn Range Boiler Co., Borden av, Long Island City, N. Y.

Carroll, Patrick & Son, 1410 Fairmount av, Phila., Pa.

Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.

Detroit Range Boiler Co., 619 24th, Detroit, Mich.

Harney, Wm., 1349 N Warnock, Phila., Pa.

Heller, Aller & Co., Napoleon, O.

Hibbs, E. A., 209 Quarry, Philadelphia, Pa.

Hill, Thos. B., 2314 N 8th, Philadelphia, Pa.

Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Lalance & Grosjean Mfg. Co., 19 Cliff, New York

Leader Iron Works, Decatur, Ill.

Pennsylvania Range Boiler Co., 2010 N 10th, Phila., Pa.

Riverside Boiler Works, Boston, Mass.

Ronalds & Johnson Co., 54 Cliff, New York

Sadtler, J. P. B. & Co., 231 Park av, Baltimore, Md.

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Thompson Iron Works, 1825 Callowhill, Philadelphia, Pa.

Trageser, John, Steam Copper Works, 447 W 28th, New York

Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Wood, Jno. Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

*Boilers (Range, Seamless Pressed Steel)

PRESSED STEEL TANK CO. (Seamless Drawn), Milwaukee, Wis. (See adv. index, end of book)

Boilers (Return Tubular)

AMERICAN BOILER WORKS, Louisville, Ky.

BEGGS, JAMES & CO. (Horizontal), 109 Liberty, New York. (See adv. index, end of book)

Brownell Co., Dayton, O.

Casey-Hedges Co., Chattanooga, Tenn.

Coatesville Boiler Works, Coatesville, Pa.

Cole, R. D. Mfg. Co., Newnan, Ga.

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Erie City Iron Works, Erie, Pa.

KEELER, E. CO., Williamsport, Pa. (See adv. index, end of book)

Kensington Engine Works, Philadelphia, Pa.

KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)

Kingsford Foundry & Machine Co., Oswego, N. Y.

Leffel, James & Co. (The) Springfield, O.

Petty, J. K. Co., Lebanon, Pa.

Robb-Mumford Boiler Co., S Framingham, Mass.

York Mfg. Co., York, Pa.

*Boilers (Steel Sectional)

ABENDROTH & ROOT MFG. CO. ("Root" Sectional Boilers a Specialty), Newburgh, N. Y. (See adv. index & branch offices, end of book)

GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index end of book)

Kellogg-Mackay Co., Chicago, Ill.

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Boilers (Tubular)

(See also Heaters, Steam & Hot Water)

ALABAMA.

BIRMINGHAM — Birmingham Boiler Works (Marine; Return Tubular)
MOBILE—Gulf City Boiler Works
MONTGOMERY—Hartley's Boiler Works
SELMA—Union Iron Works Co.

ARKANSAS.

FORT SMITH—Ketcham Iron Co.
PINE BLUFF—Pine Bluff Boiler & Iron Works (A. A. Lelaurin, Prop)

CALIFORNIA.

CHICO—Diamond Match Co. (Engineering Dep't)
EUREKA—Langford Bros.
LOS ANGELES—Baker Iron Works, 932 Buena Vista
California Boiler Works, 226 Queirolo
Fulton Engine Works, N Main & Alhambra av
Los Angeles Boiler Works, 119 Redondo
Llewellyn Iron Works, Redondo c N Main
Pioneer Boiler & Machine Works, Carolina & Palmetto
Union Iron Works, Molino & Palmetto
Western Boiler Works, ft. N 29th av
OAKLAND—Oakland Boiler Works, 659 Frank-
United Iron Works, 2d & Jefferson lin
SAN FRANCISCO—Bay City Iron Works, 1243 Harrison
Brode & Clark Iron Works, 621 Howard
California Boiler Works, 125 Fremont
Dyer Bros. Golden West Iron Works, 17th & Kansas
Eureka Boiler Works Co. (Marine, Stationary & Locomotive), 57 Mission
Fulton Iron Works, 511 Market
Hendy, Joshua Iron Works, 75 Fremont
Keystone Boiler Works, Main c Folsom
Moore & Scott Iron Works
Moynihan, T. J. & Co., 401 Folsom
Pacific Coast Boiler Works, 235 Main
Risdon Iron & Locomotive Works, Steuart
Union Iron Works Co. c Folsom
STOCKTON—Stockton Iron Works

COLORADO.

BLACK HAWK—Stroehle, Geo. & Sons
DENVER—Colorado Fuel & Iron Co. (Boiler & Repairs for Their Own Works)
Denver Engineering Works Co.
McFarlane Mfg. Co.
Stearns-Roger Mfg. Co.. 1720 California
Young, John, 2245 Blake
PUEBLO—Iron City Boiler Works

CONNECTICUT.

BRIDGEPORT—Bridgeport Boiler Works Co. ("Lowe")
McCathron Boiler Works, H. N., 76 Knowlton
Pacific Iron Works, 113 E Washington av
HARTFORD—Beach, H. B. & Son, 135 Grove
NEW HAVEN—Barton, Wm. H.
Bigelow Co. (Horizontal Return Tubular & Manning Vertical)
New Haven Boiler Works, 41 Mill. (Sullivan & Hennessy, Prop'rs)
PUTNAM—Putnam Foundry & Machine Co.

DELAWARE.

WILMINGTON—Edge Moor Iron Co.
Harlan & Hollingsworth Corp (Marine & Stationary)
Pusey & Jones Co. (Marine & Stationary)
Remington Machine Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Forsberg, Gustave W., 8th & Water, S W
Hurley, John E., 1219 Ohio av, N. W.

FLORIDA.

JACKSONVILLE—Merrill-Stevens Co.

GEORGIA.

ATLANTA—Babcock & Wilcox Co. (of New York City) (Forged Steel), Empire bldg
Finnigan, J. J. & Co., 22 Means
AUGUSTA—Georgia Iron Works
Lombard Iron Works & Supply Co.
BRUNSWICK—Bay Iron Works
COLUMBUS—Columbus Iron Works Co.
Golden's Foundry & Machine Co.
MACON—Findlay Iron Works
Schofield's, J. S. Sons Co.
NEWNAN — Cole, R. D. Mfg. Co. (Return Tubular)
SAVANNAH—Kehoe, Wm. & Sons
Mingledorff & Co., 510 Indian
Rourke, John & Sons
Savannah Locomotive Works & Supply Co.
VALDOSTA—Valdosta Foundry & Machine Co.

HAWAII.

HONOLULU—Honolulu Iron Works Co.

ILLINOIS.

AURORA—Aurora Boiler Works (Inc.) (Stationary, Portable & House Heating)
BELLEVILLE—Southern Boiler & Sheet Iron Works (Isselhardt & Scher, Prop'rs)
CANTON—Savill-Chandler Co.
CHICAGO—**ABENDROTH & ROOT MFG.** Co. ("Root") (of Newburgh, N. Y.), Monadnock blk. (See adv. index, end of book)
American Radiator Co. ("Ideal" Steam & Hot Watr), 282 Michigan
Babcock & Wilcox Co. (Forged Steel), Marquette bldg
Baragwanath, W. & Son, 48 W Division
Barton Boiler Co., 2427 Calumet av
Butman Engineering Co., Monadnock blk
Chicago Ship Building Co.. Marine, etc.), 101st & Calumet River
Corbett, Geo. E. & Co., 147 W Superior
Grand Crossing Boiler Works, 73d & I. C.
Haffner, Chas. Co., 903 S Halsted R. R.
Hamler Boiler & Tank Co., 3906 S Halsted
Hibben & Co., 9376 Ewing av
Hill Boiler Works, 102d & Avenue N
Illinois Malleable Iron Co., 539 Diversey av
KEWANEE BOILER CO., 35 Michigan av. (See adv. index, end of book)
Kling Bros., 287 Hawthorne av
Kroeschell Bros. Co. (Tubular, Locomotive & Upright), 55 Erie
Krumholz, August, 56 Fullerton av
Lyons Co., Monadnock bldg
McFarland Bros., 5544 State
McGarry, Patrick & Son, 1175 S Paulina
McGregor Boiler Works Co., 246 S Clinton
Mohr, John & Sons, 32 Illinois
National Boiler Works, 56 Fulton
Page Boiler Co., 16 Larrabee
Parker Boiler Co., Marquette bldg
Pfeiffer, Chris. Boiler Co., 70 Michigan
Pfeiffer, Wm. C. Boiler Works, 711 Carroll
Pickham, Thos. F., 53 W 14th pl av
Pratt, Henry Boiler & Machine Co., 875 S Halsted
Ross Boiler Co., 4061 Lasalle
Sharkey & Peck, 1175 W 18th
Superior Machine & Boiler Works, 131 W Superior
Wachs, E. H. Co., 158 Indiana
Wildman Boiler Works, 1276 W 12th
DANVILLE—Chesley Bros.
DECATUR—Oakes, Wm. L.
GALESBURG — Frost Mfg. Co. (Horizontal & Vertical Tubular)
JACKSONVILLE—Kellogg Bros. & Co.
JOLIET—Heggie, James G.
KEWANEE — **KEWANEE BOILER CO.** (See adv. index, end of book)
LOCKPORT—Lockport Boiler & Iron Works
MOLINE—Schillinger, Martin
PEKIN—Murphy & Walsh Boiler Works
PEORIA—Cody, Jos. & Sons, 104 Cedar
Forbes Boiler & Iron Works, 2521 S Washington
McAleenan Boiler Co., 2600 S Washington
QUINCY—Grimm Boiler Co.
MICHELMANN STEEL CONSTRUCtion Co. (See adv. index, end of book)
ROCKFORD—McCarran, James
SPRINGFIELD—Drake, Wm.
Springfield Boiler & Mfg. Co.
STREATOR—Jones, Wm. B.

INDIANA.

BRAZIL—Vanes, John Boiler Works
EVANSVILLE—Heilman Machine Works, 127 Holtz, Ferd. Co., 18 3d av L 1st
Pelz, Wm., 13 3d av
FORT WAYNE—Bass Foundry & Machine Co. (Horizontal, Tubular & Water Tube)
Fort Wayne Foundry & Machine Co.
Gruber, F. G. Iron Works
HUNTINGTON—Newcomb, C. E.
INDIANAPOLIS—American Boiler & Sheet Iron Works, Linden & Van Buren
Atlas Engine Works, 19th c Martindale av (Water Tube, Return Tubular, Portable, Internally Fired, Six-Inch Flue, Vertical)
Chandler & Taylor Co. (Tubular, Upright & Firebox)
Cruse & Connaughton, 582 S Capitol av
Kennedy, Patrick W., 1117 Beecher
National Boiler & Sheet Iron Works, 1118 E Maryland
Sinker-Davis Co., 230 S Missouri
JEFFERSONVILLE—Sweeney, M. A. Shipyard & Foundry Co.
KEWANEE—Kewanee Boiler Co.
LAFAYETTE—McGrath, Robert H.
LA PORTE—Rumley, M. Co.
MADISON—Johnson Foundry & Machine Shops
MARION—Walsh, E. F.
MUNCIE—Muncie Boiler & Sheet Iron Works
NEW ALBANY—Hegewald, Chas. Co.
Zeir Boiler & Sheet Iron Works
RICHMOND—Gaar, Scott & Co.
SOUTH BEND—Matthews Steam Boiler W'ks Co.
TERRE HAUTE—Korstad, A. P. Boiler Co.
Terre Haute Boiler Works Co.

IOWA.

BURLINGTON—Murray Iron Works Co. (Tubular & Internal Furnaces, etc.)
CEDAR RAPIDS—Carmody, J. T.
CLINTON—Star Boiler Works, 8th av c 1st
DAVENPORT—Grupe Drier & Boiler Co.
DES MOINES—Des Moines Mfg. & Supply Co., 101 E Court av
Globe Machinery & Supply Co., 414 Court av
Turner & Brownlie, 300 E Court av
DUBUQUE—Dubuque Boat & Boiler Works
Morrison Bros.
KEOKUK—McElroy Iron Works Co (D. W. McElroy, Prop'r)
MARSHALLTOWN—Shorthill, A. E. Co.
MUSCATINE—Garren & Hines
OTTUMWA—McDaniel, C. E.
Ottumwa Iron Works
WATERLOO—Mussett, R. G. & Son

KANSAS.

ENTERPRISE—Ehrsam, J. B. & Sons Mfg. Co.
KANSAS CITY—Kaw Boiler Works
PITTSBURG—Pittsburg Boiler Works
WICHITA—Guldaman & Son

KENTUCKY.

LOUISVILLE — **AMERICAN BOILER** Works
Vogt, Henry Machine Co.
Walton, C. J. & Son, 1219 W Main

LOUISIANA.

JEANERETTE—Jeffrey, Daniel
NEW ORLEANS—Babcock & Wilcox Co. (of New York) (Forged Steel), 343 Baronne
Connell, J. D. Iron Works Co., 1145 S Front
Johnson Iron Works (Ltd.), Julia & Delta
Louisiana Boiler & Sheet Iron Works, 2344 Euphrosine
New Orleans Boiler Works (Jno. H. Murphy, Prop.), 643 Magazine
Southern Marine Works, Gen. Meyer av,
SHREVEPORT—Parsons, P. Algiers
THIBODAUX—Laughan & Golden
Thibodaux Boiler Works Co.

MAINE.

BANGOR—Union Iron Works
BATH—Bath Iron Works
CAMDEN—Camden Anchor-Rockland Machine Co. (Marine, etc.)
HALLOWELL—Fuller's, Geo. Sons
PORTLAND—Estle & O'Brien Boiler Co.
Portland Co. ("Manning," "Dean" Marine & Stationary, Internally Fired), 58 Fore

MARYLAND.

BALTIMORE—Cathell Bros. & Co., 702 Covington
Codd, E. J. Co., 700 S Caroline
Fluskey, J. B., Dugan's wharf c Wood
McIntyre & Henderson, ft Montgomery
Marine Railway Machine & Boiler Works
MARYLAND EQUIPMENT & SUPply Co., Calvert & Fayette. (See adv. index, end of book)
Novelty Steam Boiler Works (Triplett & Jennings, Props.) (Stationary & Marine)
Poole Engineering & Machine Co., Woodberry
Renneburg, Edward & Son, 1147 Allceanna
Spedden Ship Building Co. (Marine, etc.)
Zastrow, George W., 1410 Thames
CUMBERLAND—McKaig, Merwin
SPARROWS POINT—Maryland Steel Co.

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MASSACHUSETTS.

BOSTON—Atlantic Works, 70 Border, E Boston
Babcock & Wilcox Co. (of New York) (Forged Steel), 10 P. O. sq
Bertelsen & Petersen Engineering Co.
Boston Engineering Co., 25 India Wharf
Cunningham Iron Co., B & Fargo
Hodge Boiler Works, Sumner nr North Ferry, E B
Minton, Richard, 119 Sumner, E B
New England Iron Works, B & Fargo
Riverside Boiler Works, 119 Congress
Russell, Daniel Boiler Works, 97 Boston
Russell, James Boiler Works Co., C c W 1st
CAMBRIDGE—Campbell Iron Works
Roberts Iron Works Co., 180 Main
Robinson, A. F. Boiler Works, Binney nr 1st
FALL RIVER—Fall River Boiler Works, 88
FITCHBURG—Dillon, D. M. Plymouth av
FLORENCE—Norwood Engineering Co.
GLOUCESTER—Sylvester, F. & Co.
HOLYOKE—Holyoke Steam Boiler Works
Walsh's Holyoke Steam Boiler Works
LAWRENCE—McCabe, E. & Co.
LOWELL—Scannell Boiler Works
NEW BEDFORD—Babbitt Steam Specialty Co.
New Bedford Boiler & Machine Co.
QUINCY—Fore River Ship Building Co. (Marine, etc.)
SOUTH FRAMINGHAM—Robb-Mumford Boiler Co. (Inc.) (Locomotive Fire Box, Portable Internally Fired, etc.)
SPRINGFIELD—Hawkins, R. F. Iron Works
Walsh Boiler & Iron Works
WORCESTER—Allen, Wm. Sons Co., 65 Green
Stewart, C. & Son

MICHIGAN.

ADRIAN—Decker & Kaiser
ANN ARBOR—Sutter, T. L. & Son
BATTLE CREEK—Brennan, Jno. & Co.
BAY CITY—Bay City Boiler Co.
MacKINNON BOILER & MACHINE Co. (See adv. index, end of book)
Marine Iron Co.
National Boiler Works (Maher, Michael, Prop'rs)
BENTON HARBOR—Galligan, M. J.
CHEBOYGAN—Cheboygan Boiler Works
Hub City Boiler Co.
DETROIT—Brennan, John & Co., 24th & Toledo av
Central Boiler Works, 3d & Congress
Detroit Ship Building Co. (Marine)
East End Boiler Works ("Detroit" Water Tube)
Great Lakes Engineering Works (Marine)
Pratt, Stephen Boiler Works
Sprenger, J. & Sons, 1190 Jefferson av, W
Taylor Water Tube Boiler Co. (Water Tube),
ESCANABA—Coddy, M. J. 320 Franklin
FERRYSBURG—Johnston Bros.
GRAND RAPIDS—Central Boiler Works
Grand Rapids Boiler Works
Leitelt, Adolph Iron Works, Erie c Mill
HANCOCK—Portage Lake Boiler Works
ISHPEMING—Cole, W. T.
JACKSON—Keeley, James J.
KALAMAZOO — Clark Engine & Boiler Co. (Horizontal & Vertical)
Dutton, C. H. Co. ("Eureka")
LUDINGTON—Davies, J. H.
MANISTEE—Manistee Iron Works Co.
MENOMINEE—Fernstrum, Frank G.
MUSKEGON—Muskegon Boiler Works (Also Racine Boat Mfg. Co. (Marine) Marine)
Rodgers Boiler & Burner Co.
OWOSSO—Brandel, J. H.
SAGINAW—Bartlett, A. F. & Co.
Jackson & Church Co.
Wickes Bros.
ST. JOHNS—Richmond & Holmes
ST. JOSEPH—Isbell, J. W.

MINNESOTA.

DULUTH—Gogebic Steam Boiler Works, 409 Lake av
Northwestern Steam Boiler & Mfg. Co., 866 Garfield av
FERGUS FALLS—Fergus Iron Works Co.
HOPKINS—Moran Boiler Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Bros, Wm. Boiler & Mfg. Co.
Diamond Boiler Works, 1828 N 1st
MINNEAPOLIS STEEL & MACHINEry Co. (See adv. index, end of book)
North Star Boiler Works, 505 13th av, S
RED WING—Densmore Bros.
ST. PAUL—St. Paul Boiler & Mfg. Co., Water
STILLWATER—Doran, J. F. & Walter
THIEF RIVER FALLS—Conklin, H. J. & D. W.
WINONA—Winona Boiler Co.
Schneider, J. C.

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Corinth Engine & Boiler Works
VICKSBURG—Foley, P. J. & Son
Robinson, B. J.

MISSOURI.

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Urie - Snyder Iron Works Co., Roberts & Cambridge
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Geis & Bichler, 1005 S 8th
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Missouri Boiler & Sheet Iron Works, 23d & Papin
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South St. Louis Foundry, 7514 S B'way
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Wangler, Joseph F. Boiler & Sheet Iron Works, 1535 N 9th
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MONTANA.

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BUTTE—Western Iron Works

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Omaha Boiler Works
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Plank rd c Montgomery. (See adv. index, end of book)
McLaughlin, Thomas, 53 Essex
Miller, Alex. Bros. (Stationary & Boat)
Smith, Theo. & Sons Co. (Stationary, Marine & Return Tubular), ft Essex
NEWARK — Hewes & Phillips Iron Works ("Manning"), Orange c Ogden
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McCabe Boiler Works, 195 Commerce
Mullin, Benjamin F., 83 Warren
WALSH'S SONS & CO. (See adv. index, end of book)
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Smith, Samuel & Son, 130 R. R. av
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PHILLIPSBURG—Tippett & Wood (Marine)
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Watson, J. & Sons Co., 1 Fair

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Walsh, Stephen, 98 Quay
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Hayflinger, John, 46 Reid
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Farar & Trefts, 65 Perry
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Riter & Cousins, 58 Mississippi
Tashenberg Bros., 43 Illinois
Union Boiler Works, 48 Marvin
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LOCKPORT—Brown, Francis A.
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Donohue, P. J. & Sons, 108 Wallabout
Franklin Machine & Steam Boiler Works, Gilroy, James J., ft of 24th 17 Franklin
Hall & Hurlbert, W 8th nr Surf av
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McDonald Iron Works, 722 Court
McGibbon & Roy Engineering & Iron Works, 14 Columbia
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Morse Dry Dock & Repair Co. (Marine), ft of 56th
Raab Iron Works Co., ft of 20th
Robins, Jno. N. Co., ft of Dwight
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White, Rob't Engineering Works ("White" Marine), ft Columbia

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Andrews, Phalon & Co., 240 West
Babcock & Wilcox Co. (Forged Steel), 85 Liberty
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Bigelow Co., 85 Liberty. Works: New Haven, Conn.
Brownell Co., 26 Cortlandt. Works, Dayton O.
Coatesville Boiler Works, 141 B'way. Works: Coatesville, Pa.
Delany, P. & Co., 38 Park row. Works: Newburgh, N. Y.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Dunne, Michael F., 223 West
Fitzgibbon Boiler Co., 26 Cortlandt. Works: Oswego, N. Y.
Fogarty, Michael, 533 W 33d
Fox's, Geo. Sons, 511 W 34th
Franklin Boiler Works Co., 39 Cortlandt. Works: Troy, N. Y.
Gas Engine & Power Co. & Chas. L. Seabury Co. (Marine & Stationary), Morris Heights, N. Y.
Gem City Boiler Co., 165 B'way. Works, Dayton, O.
GORTON & LIDGERWOOD CO., 96 Liberty. (See adv. index, end of book)
GRISCOM-SPENCER CO. (Repairs & Installations Also), 90 West. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt. (See adv index, end of book)
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Mott Haven Steam Boiler & Engine Works 249 E 138th
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New York Safety Steam Power Co. (Worthington Sectional), 114 Liberty
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Reid, Alex., 105 Charles
RUGGLES-COLES ENGINEERING Co. (Horizontal & Tubular), 39 Cortlandt. (See adv. index, end of book)
Smith, A. & Son, 685 11th av
Turl's, John Sons (Inc.), 26 Cortlandt Works: Newburgh, N. Y
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ALLIANCE—Reeves Bros. Co.
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Lake Erie Boiler Works, 2503 Elm av, N W
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Murphy & Donnelly Boiler Co. (Marine), 2509 Elm av, N W
Ohio Machine & Boiler Co., 1201 11th N W
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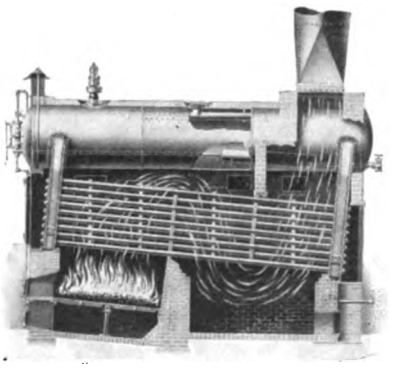
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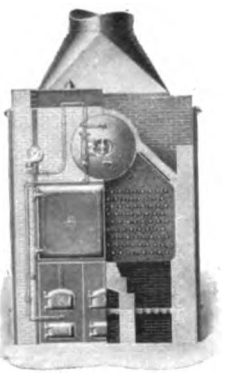
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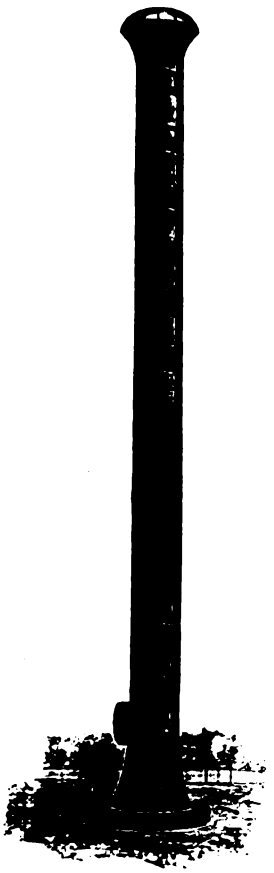
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NEW HAVEN—Connellsville Iron Works
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Newbold, R. S. & Son Co.
OAKDALE—Kinney, F.
OIL CITY—Oil City Boiler Works (Inc.)
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Ravey, Joseph H.
PETROLIA—Barney, H. M.
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Baizley, John Iron Works, 510 S Delaware av
Connery Co., 1326 N 9th
Cramp, Wm. & Sons Ship & Engine Building Co. (Marine), Beach c Ball
Ervien, C. W. & Co., G. & E. Venango
Gilman, Wm. 1110 Beach
GRISCOM-SPENCER CO. (Repairs & Installations Also), ft Washington av, (See adv. Index, end of book)
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McGovern & Smith, 2054 E Lehigh av
Morris I. P. Co., Beach & Ball
Naylor, John S., Front & Gerard av
Page, Wm. H. Boiler Co. (of Norwich, Conn.), 620 Arch
Parker Boiler Co., Pennsylvania bldg
Petty, J. K. & Co. (Return, Tubular, Locomotive, Vertical, etc.), Girard bldg.
Works: Lebanon, Pa.
Philadelphia Iron Works, 18th & Penn av
Quaker City Iron Works, Richmond & Tioga
Williamson Bros. Co., Aramingo av & E. Cumberland
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Long, Walter, Muriel & S 14th
McNeil, James & Bros., 29th & Railroad
Manchester, Wm. Co., 3108 Smallman
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Orr & Sembower (Inc.) (Vertical, Horizon
Penn Boiler Works tal & Locomotive)
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Murach, Fred, Jr., 500 Birch
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Geiser Mfg. Co.
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Vulcan Iron Works
WILLIAMSPORT—KEELER, E. CO. (See adv. Index, end of book)
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Motter, Geo. F. & Sons
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York Steam Boiler Works

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PROVIDENCE—Almy Water Tube Boiler Co. (Marine)
Globe Steam Boiler & Iron Works, 341 Eddy
Hicks Boiler Works, 614 S Main
Wholey Boiler Works, Concord off Smithfield av nr City Line

SOUTH CAROLINA.

CHARLESTON—Charleston Iron Works
Riverside Iron Works
Valk & Murdock Iron Works

SOUTH DAKOTA.

MITCHELL—Mitchell Boiler & Machine Works
SIOUX FALLS—Harding, B. W.
WATERTOWN—Hanten Machine Co.

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Chattanooga Boiler Works & Tank Co.
Lookout Boiler & Mfg. Co.
Sherman-Morris Mfg. Co.
Walsh & Weidner Boiler Co.
JACKSON—Southern Engine & Boiler Works
KNOXVILLE—Dallas, B. B.
MEMPHIS—Memphis Boiler Works
Shea, Daniel Boiler Works, Front & Wash
NASHVILLE—Culbert, Wm. & Sons, 127 S. Market

TEXAS.

BEAUMONT—Beaumont Iron Works
Dollinger, Jno.
Texas Boiler Works
DALLAS—Mosher Mfg. Co.
Mosher Mfg. Co.
Thrash, J. F.
FORT WORTH—Vanzandt-Moore Iron Works
GALVESTON — Astall Iron Works Co., 2615
Bothman, Wm., 2500 Mechanic Strand
McDonough Iron Works, 1901 Strand
HOUSTON—Hartwell Iron Works
Tofte Boiler & Sheet Iron Works
SAN ANTONIO—Alamo Iron Works
Collins, Gunther
SHERMAN—Washington Iron Works
TEXARKANA—Texas Steam Engine Works

UTAH.

SALT LAKE CITY—Haynes, H. E. & Co.
Holmes, Samuel
MINNEAPOLIS STEEL & MACHINery Co. (of Minneapolis), Dooley blk. (See adv. Index, end of book)

VERMONT.

RUTLAND—Holmes, J. H. & Co.

VIRGINIA.

NEWPORT NEWS—Newport News Ship Building & Dry Dock Co.
NORFOLK—Etna Iron Works
RICHMOND—McCabe, Geo. & Son, 4016 7th. Fulton

WASHINGTON.

BALLARD—Ballard Boiler Works (Inc.)
BELLINGHAM—Reid Bros. Co.
EVERETT—Mohlander, E. W.
Sumner Iron Works
OLYMPIA—Mason, C. Z.
SEATTLE—Osborne, J. L. & Sons
Puget Sound & Queen City Boiler Works (Marine & Stationary)
Standard Boiler Works (Marine, Stationary & Locomotive)
Washington Iron Works Co., Grant at bridge
SPOKANE—Cleary, J. E.
TACOMA—Norton, Wm., 2110 A
Puget Sound Dry Dock & Machine Co., 1701 Dock
Puget Sound Iron & Steel Works, A c 21st

WEST VIRGINIA.

CAIRO—Donovan, Hugh
CHARLESTON—South Side Foundry & Machine
Vulcan Iron Works Works
Ward, Chas. Engineering Works
MANNINGTON—West Virginia Boiler & Machine Co.
PARKERSBURG—Mountain State Boiler Works
SISTERSVILLE—Ryan, E. A.
WHEELING—Bryan & Dippus

WISCONSIN.

APPLETON—Appleton Steam Boiler & Mfg. Co.
ASHLAND—Sanders, Robt. E.
DE PERE—Lyon Boiler & Iron Works
HURLEY—Laubrix, Michael
JUNEAU—Brieman, C. G.
LA CROSSE—La Crosse Boiler Co.
MANITOWOC—Manitowoc Steam Boiler Works (Marine, Stationary & Locomotive)
MENOMONEE FALLS—Menomonee Falls Boiler Works
MILWAUKEE — ALLIS-CHALMERS CO. (See adv. Index, end of book)
American Boiler Works, 257 Virginia
Buxbaum, James & Co., 287 Virginia
Cream City Boiler Co.
Mertes-Miller Co., 239 Lake
Meyer, Geo. J. Mfg. Co., 576 Clinton
Milwaukee Boiler Co.
Milwaukee Dry Dock Co. (Marine), ft of Mineral
Reliance Boiler Works, Canal, E Muskego av
VILTER MFG. CO., 1046 Clinton. (See adv. Index, end of book)
OSKOSH—Battis Bros.
Reliance Boiler Works
RACINE—Freeman, S. & Sons Mfg. Co.
SHEBOYGAN—Optenberg Iron Works Co. (Stationary & Marine)
SUPERIOR—National Boiler Works Co.
Northwestern Boiler Works
WATERTOWN—Dornfeld-Kunert Co.

Boilers (Water Tube)

ABENDROTH & ROOT MFG. CO. ("Root"), Newburgh, N. Y. (See adv. index & branch offices, end of book)
Ahern, Jas., 263 South, New York
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
Almy Water Tube Boiler Co., Providence, R. I.
Atlas Engine Works, Indianapolis, Ind.
Babcock & Wilcox Co. ("Stirling," "Cahall," "A. & T."), 85 Liberty, New York
Barton Boiler Co., 2427 Calumet av, Chicago, Ill.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Bath Iron Works ("Normaud"), Bath, Me.
Bay City Boiler Works, Bay City, Mich.
Bigelow Co. ("Bigelow-Hornsby"), New Haven, Conn.
Birmingham Boiler Works, Birmingham, Ala.
Brennan, John & Co., 24th & Toledo, Detroit, Mich.
Broomell, Schmidt & Steacy Co. ("American" Combination), York, Pa.
Butman Engineering Co., Monadnock bldg, Chicago, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Crowley Boiler Works, Jackson, Mich.
Detroit Water Tube Boiler Co., Detroit, Mich.
Dundon's, P. F. San Francisco Iron Works ("Dundon's" Sectional, San Francisco, Cal.
Edge Moor Iron Co., Edge Moor, Del.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kans.
Erie City Iron Works (Horizontal & Vertical), Erie, Pa.
Flanner, D. D. Boiler Co. ("Park"), Toledo, O.
Fore River Ship Building Co. (Marine), Quincy, Mass.
Franklin Boiler Works Co. ("Franklin"), Troy, N. Y.
Freeman, S & Sons Mfg. Co. ("Bonus"), Racine, Wis.
Gas Engine & Power Co., & C. L. Seabury Co. (Seabury Safety, Marine & Stationary), Morris Heights, N. Y.
Geary Water Tube Boiler, 39 Cortlandt, New York, & Oil City, Pa.
Hammond Iron Works, Warren, Pa.
Harlan & Hollingsworth Corp. (Marine & Stationary), Wilmington, Del.
Harrisburg Mfg. & Boiler Co. ("Star"), Harrisburg, Pa.
Heine Safety Boiler Co., 421 Olive, St. Louis, Mo., & Phoenixville, Pa.
Herreshoff Mfg. Co. (Herreshoff Patent), Bristol, R. I.
Holyoke Steam Boiler Works, Holyoke, Mass.
Hyde Bros. & Co. ("Hyde"), Pittsburg, Pa.
KEELER, E. CO., Williamsport, Pa. (See adv. Index & branch offices, end of book)
Kingsford Fdry & Mach Works, Oswego, N. Y.
Lyon Boiler Works, De Pere, Wis.
Lyons Boiler Works, De Pere, Wis.
McNeil Boiler Co. ("Cook," up to 350 H. P.), Akron, O.
Marine Iron Works, Clybourn & Southport avs, ft of C, Chicago, Ill.
Maxim Co. ("Maxim"), 130 Fulton, New York
Meehan Boiler & Constr'n Co., Lowellville, O.

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Mohr, Jno. & Sons (Inc.), 82 Illinois, Chicago, Ill.
Morrin-Climax Boiler Co. ("Climax"), 240 Loraine, Brooklyn, N. Y.
Mosher, Chas. D. ("Mosher" Marine & Stationary), 30 Church, New York
Munroe, R. & Sons, Corp., Pittsburg, Pa.
Murray Iron Works Co., Burlington, Ia.
New York Central Iron Works, Geneva, N. Y.
New York Safety Steam Power Co. ("Worthington"), 114 Liberty, New York
O'Brien, John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
O'Dougherty, Francis C. ("Economy"), 1875 Atlantic av, Brooklyn, N. Y.
Ofeldt, F. W. & Sons (Small), Nyack, N. Y.
Oil City Boiler Works (Inc.) ("Geary" Stationary & "Hohenstein" Marine), Oil City, Pa., & 39 Cortlandt, New York
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oswego Boiler & Engine Co. ("Oswego McNaul"), Oswego, N. Y.
Parker Boiler Co. ("The Parker"), Pennsylvania bldg, Phila., Pa.
Pfeiffer, Chris. Boiler Co., 70 Michigan, Chicago, Ill.
Ricard Boiler & Engine Co. ("The McNaull"), Toledo, O.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Robb-Mumford Boiler Co., South Framingham, Mass.
Roberts Safety Water Tube Boiler Co., Red Bank, N. J.
Sharon Boiler Works ("Wheeler" Vertical), Sharon, Pa.
Sherman, Morris Mfg. Co., Chattanooga, Tenn.
Standard Boiler & Plate Co., Niles, O.
Taylor Water Tube Boiler Co. (for Yachts, Tugs, etc.), Detroit, Mich.
Thorpe, Platt & Co. ("Thornycroft"), 99 Cedar, New York
Tudor Boiler Mfg. Co. ("Lynn"), Cincinnati, O.
Union Iron Works Co., San Francisco, Cal.
Vogt, Henry Machine Co. ("Vogt"), Louisville, Ky.
Ward, Chas. Engineering Works, Charleston, W. Va.
Wetherill, R. & Co. ("Berry"), Chester, Pa.
Wickes Boiler Co. ("Wickes," Vertical & Horizontal), Saginaw, Mich.
Wildman Boiler Works, 1276 W 12th, Chicago.
Wood, John Mfg. Co., Conshohocken, Pa. Ill.

Bolsters (Car Truck & Body)

(See Car Truck & Body Bolsters)

Bolt Clippers

(See Clippers, Bolt & Rivet)

Bolt Cutters

(See Cutters, Bolt)

Bolt Ends

(See Ends, Bolt)

Bolt Header & Shoeing Vise (Combined)

Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Bolt Headers

(See Machinery)

Bolt Pointers

(See Machinery)

Bolt Threaders

(See Machinery)

Bolt Upsetters

(See Machinery)

Bolt & Nut & Rivet Mfrs.

(See also Sub-classifications of Bolts; also of Nuts; also of Rivets; also of Screws; also of Washers)

ALABAMA.

BIRMINGHAM—American Bolt Co.
Republic Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers); Main Office: Pittsburg, Pa.

CALIFORNIA.

LOS ANGELES — California Industrial Co. (Bolts & Nuts)
SAN FRANCISCO—Judson Mfg. Co., 819 Folsom
Pacific Rolling Mill Co., 17th & Mississippi
Payne's Bolt Works (Bolts, Screws, Washers, etc.), 133 Howard

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bolts, Nuts, etc.)

CONNECTICUT.

ANSONIA—Ansonia Brass & Copper Co. (Bronze Bolts)
BRIDGEPORT—Columbia Nut & Bolt Co.
HARTFORD—Atlantic Screws Works
Hartford Machine Screw Co. (Bolts), 476
MARION—Frost, L. D. & Son Capitol av
MILLDALE—Clark Bros. Bolt Co. (Bolts&Nuts)
MOUNT CARMEL — Mount Carmel Bolt Co. (Bolts, Nuts & Rivets)
NEW BRITAIN—Corbin Screw Corporation
Stanley Works (Steel Bolts) (Bolts, etc.)
NEW HAVEN—American Rivet Co. (Rivets), Cowles, C. & Co. (Bolts)
Reynolds & Co. (Bolts, Nuts, etc.)
Sargent & Co. (Bolts, etc.)
PLANTSVILLE—Atwater Mfg. Co. (Carriage Bolts)
SEYMOUR—New Haven Copper Co. (Copper)
SHELTON—Bassett, D. M. (Bolts)
Shelton Co. (Bolts, etc.)
SOUTHINGTON—Aetna Nut Co. (Nuts & Washers)
TORRINGTON—Coe Brass Mfg. Co. (Rivets)
Progressive Mfg. Co. (Rivets, etc.)
UNIONVILLE—Upson Nut Co. (Bolts, Nuts, Rivets, etc.)
Upson Nut Co. (Bolts, Nuts, Rivets, etc.)
WATERBURY—†Benedict & Burnham Mfg. Co. (Copper)
Blake & Johnson Co. (Special Rivets, etc.)
Equipoise Rivet Co. (Brass Bolts, Nuts & Rivets)
Plume & Atwood Mfg. Co. (Brass & Copper Rivets)
Scoville Mfg. Co. (Bolts, Nuts, etc., Brass)
Steele & Johnson Mfg. Co. (Bolts, etc., Brass)
Waterbury Brass Co. (Brass & Copper Rivets & Washers)
Waterbury Brass Goods Corp. (Brass Rivets)
Waterbury Mfg. Co. (Rivets)
WINSTED—Moore, Franklin Co. (Bolts, Nuts, etc.)
Richards, T. C. Hardware Co. (Bolts, Nuts, & Rivets)

ILLINOIS.

AURORA—Wilcox Mfg. Co. (Bolts)
CHICAGO—American Screw Co. (Bolts, Rivets, etc.), 19 Lake
Chicago Nut Co. (Brass Nuts, etc.), 118 W Jackson boul
Columbia Screw Co. (Screws, etc.), Cottage Grove av & 106th
Champion Mfg. Co. (Screws, Bolts, etc.), 76th & Greenwood av
Continental Bolt & Iron Works (Bolts, etc.), 22d & Union
Illinois Bolt, Nut & Forging Co. (Bolts, Rivets, etc.), 35th & Ashland av
Illinois Steel Co. (Track Bolts), 115 Adams
EAST ST. LOUIS—St. Louis Steam Forge & Iron Works (Forged Nuts & Bolts)
MARSEILLES—Moore, Joshua (Bolts, Rivets, etc.)
ROCK FALLS—Cobb & Drew (Small Bolts, Rivets, etc.)
Russell-Burdsall & Ward Bolt & Nut Co.
ROCKFORD—Rockford Bolt Co. (Bolts, Rivets & Nuts)

INDIANA.

RICHMOND—Border Bolt & Nut-Lock Co. (Bolts, Nut-Locks, etc.)

MARYLAND.

BALTIMORE—Baltimore Bolt & Iron Works (Armstrong & Parker, Prop'rs) (Bolts, Nuts & Washers), 861 North
Dietrich Bros. (Bolts & Nuts), 844 North
National Supply Co. (Bolts, Nuts & Washers), 7 W Lombard

MASSACHUSETTS.

BOSTON—American Iron & Steel Mfg. Co. (Bolts & Nuts), 141 Milk
Boston Bolt Co. (Bolts, Nuts, Rivets, etc.), 40 Farnsworth
Metropolitan Bolt Co. (Bolts, etc.), 367 Congress
New England Screw Co., 15 Chardon
Standard Rivet Co., 41 Lincoln
Sylvester Co. (Bolts, Spikes, etc.), 70 Kilby
Tubular Rivet & Stud Co. (Rivets), 87 Lincoln
EVERETT—New England Bolt & Steel Co. Bolts, Nuts & Washers)
PLYMOUTH—Cobb & Drew (Small Bolts, Rivets, etc.)
Plymouth Mills (Rivets & Washers)
TAUNTON—Taunton Rivet Co. (Rivets & Washers)
WORCESTER — Anthony Screw Co. (Bolts, Nuts, etc.)
Reed & Prince Mfg. Co. (Bolts, Nuts & Rivets)
Smith, Thos. & Co. (Bolts, Nuts & Washers)
W. & S. Mfg. Co. (Nuts & Washers)

MICHIGAN.

DETROIT—Detroit Copper & Brass Rolling Mills (Rivets)
Detroit Screw Works (Bolts & Nuts)
Michigan Bolt & Nut Works (Bolts, Nuts, Rivets & Washers), ft Meldrum av

MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bolts Nuts, Rivets & Washers), Inde av c Bristol
ST. LOUIS—American Car & Foundry Co., 915 Olive
Banner Iron Works (Bolts)
Hirsch Rolling Mill Co. (Bolts & Nuts), Nat'l Bank of Com. bldg
Moran Bolt & Nut Mfg. Co. (Bolts, Nuts, Rivets, Screws & Washers), c Florida & Main
St. Louis Screw Co. (Bolts, Nuts, etc.), 600 E Clarence av

NEW JERSEY.

JERSEY CITY—Ames, W. & Co. (Bolts)
NEWARK—Newark Rivet Works (Rivets), 262 Lafayette

NEW YORK.

BUFFALO—Buffalo Bolt Co.
Niagara Screw Co. (Bolts, Nuts & Screws), Wurtz & Son, 23 Lloyd 20 Lock

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Evans, F. H. (Bolts), 596 Kent av
Upham, V. B. & Bro. (Rivets), John c Hudson av

Boroughs of Manhattan & Bronx.

NEW YORK — American Car & Foundry Co., 165 B'way
FARRINGTON, H. (Farrington Expansion Bolts), 45 B'way. (See adv. index, end of book)
Gaskell, Wm. & Son (Bolts), 433 E 25th
Greenlie, Wyatt & Co. (Bolts, Nuts, Rivets & Washers), 499 Water
Hall's, Samuel Sons (Bolts, Screws & Washers), 229 W 10th

(End of New York City)

NORTH TONAWANDA—Buffalo Bolt Co.
PORT CHESTER—Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts & Washers)

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POUGHKEEPSIE—Anchor Bolt & Nut Co. (Bolts, etc.)
ROCHESTER—Rochester Machine Screw Co. (Nuts, etc.), 15 Caledonia av
ROME—Rome Brass & Copper Co. (Copper Rivets & Washers, etc.)
SYRACUSE—Central City Bolt Co. (Bolts & Nuts)
THROOPSVILLE—Myer & Co. (Nuts & Washers)
TROY—Burden Iron Co. (Rivets)

OHIO.

BEREA—Ohio Nut & Bolt Co.
CINCINNATI — Elden, T. G. (Nuts, Rivets, etc.), 115 Sycamore
Nunning, Frank & Son (Bridge Bolts), 215 W 2d
Republic Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers), First Nat'l Bank bldg
CLEVELAND—ATLAS BOLT & SCREW Co. The (Bolts, Nuts, Rivets, Screws, etc.), Marquette, opp Hamilton av, N E
BETTCHER MFG. CO. (Nuts, Rivets, Washers, etc.), Clark av at C. C. C. & St. Louis Ry., S W. (See adv. index, end of book)
Bourne & Knowles Mfg. Co. (Nuts, Rivets & Washers), 1231 Main av, N W
Champion Rivet Co. (Rivets), Rice av at Erie R. R.
Cleveland City Forge & Iron Co. (Nuts), Lakeside av opp E 45th
Columbia Bolt & Forging Co. (Bolts), Willey c Walworth av, S. W.
Eberhard Mfg. Co. (Carriage Bolt & Nut)
Electric Welding Products Co. (Bolts, Screws, etc.)
Kirk-Latty Mfg. Co. (Bolts, Nails, Rivets, Screws, etc.), Madison av nr W 85th. N. W.
Lake Erie Iron Co. (Bolts, Nuts & Washers), Wade bldg
Lamson & Sessions Co. (Bolts, Nuts & Rivets), 2188 Scranton rd, S W
National Screw & Tack Co. (Bolts, Nuts & Rivets), Stanton & C. & P. R. R.
Upson Nut Co. (Bolts, Nuts & Rivets), C., C., C. & St. L. Ry. nr Scranton av
COLUMBUS—Berry Bros. (Bolts, Nuts & Rivets)
Columbus Bolt Works (Bolts, Nuts, Rivets, Screws & Washers)
Lanman, E. B. Co. (Carriage Bolts, Nuts & Washers)
CUYAHOGA FALLS—Falls Rivet & Machine Co.
ELYRIA—Western Automatic Machine Screw Co. (Bolts, Nuts, etc.)
TWIGHTWEE—Cincinnati Screw & Tap Co. (Bolts, Nuts, etc.)

PENNSYLVANIA.

ETNA—Etna Forge & Bolt Co.
GLASSPORT—Severence, S. Mfg. Co. (Rivets, Spikes, etc.)
LANCASTER—Penn Iron Co. (Ltd.) (Bolts & Nuts)
LEBANON—American Iron & Steel Mfg. Co. (Bolts, Nuts, Rivets & Washers)
MILTON—Milton Mfg. Co. (Bolts, Nuts & Washers)
NEW CASTLE—New Castle Forge & Bolt Co. (Bolts & Rivets)
NORRISTOWN — American Equipment Co. (Bolts, Nuts, etc.)
Reading Screw Co. (Stove & Fire Bolts)
PHILADELPHIA—American Iron & Steel Mfg. Co. (Bolts, Nuts, Rivets, etc.), Harrison bldg
Cambria Steel Co. (Bolts), Arcade bldg
Hayden, A. & M., 304 N 22d
Hoopes & Townsend Co. (Bolts, Nuts, Rivets, Screws & Washers), 1330 Button-wood
Kurrie Bros. Co., 637 N Watts
Merritt & Co. (Bolts, Nuts, Rivets, etc.), 1024 Ridge av
National Bolt Works, 1630 N 9th
Philadelphia Machine Screw Works (Bolts, etc.), 624 Race
Ruffner, D. B. & Son (Bolts), Bowman nr Cresson Falls
Skelly, Thos. P. & Co. (Bolts), Carlton nr N 24th
PITTSBURG—Flannery Bolt Co., Frick bldg
Garland Nut & Rivet Co., Bailey-Farrell bldg
Graham Nut Co., W Carson nr Point bridge
Hubbard & Co. (Bolts, Nuts, etc.)
Hussey, C. G. & Co. (Rivets, Copper), 2850 2d av
Interstate Mfg. Co. (Bolts), 133 4th av
Lanz, M. & Sons (Bolts, Nuts, Rivets & Washers), Carson & 29th
National Bolt & Nut Co., 62d & A. V. R. R.
Neely Bolt & Nut Co. (Ltd.), (Bolts, Nuts, Washers, etc.)
Oliver Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers), S. 10th & Muriel
Pittsburg Equipment Co. (Bolts, Nuts, etc.), House bldg
Pittsburg Forge & Iron Co. (Bolts, etc.)
Pittsburg Mfg. Co. (Bolts, Nuts, Rivets & Washers), 28th & A. V. Ry
PITTSBURGH RIVET CO., 38th & Junction R. R. (See adv. index, end of book)
Pittsburg Screw & Bolt Co. (Bolts, Nuts & Rivets), 25th & Liberty av
Republic Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers), Frick bldg, Annex
POTTSVILLE—Pottsville Bolt Co. (Bolts & Screws)
READING—American Iron & Steel Mfg. Co.
SCRANTON—Scranton Bolt & Nut Co. (Bolts, Nuts, Rivets, Screws & Washers)

RHODE ISLAND.

PAWTUCKET—Haskell, Wm. H. Mfg. Co. (Bolts, Nuts, Screws & Washers)
Pawtucket Mfg. Co. (Bolts, Screws, etc.)
PROVIDENCE—American Screw Co. (Bolts, Nuts & Rivets), 21 Stevens
Eastern Bolt & Nut Co.
Rhode Island Tool Co. (Bolts, Nuts & Washers)
Rogers Screw Co., 623 Atwells av
VALLEY FALLS—Standard Nut & Bolt Co.

VIRGINIA.

RICHMOND—Old Dominion Iron & Nail W'ks Co. (Bolts, Nuts, Rivets, Spikes, Washers, etc.)
Tredegar Co. (Bolts, Spikes, etc.)

WASHINGTON.

BALLARD—Ballard Drop Forge Co. (Bolts, Nuts, Rivets)

WEST VIRGINIA.

WHEELING—Hazel Atlas Glass Co. (Bolts, Nuts & Washers)

WISCONSIN.

MILWAUKEE—Elastic Nut & Bolt Co., Russell av c Superior
Milwaukee Tack Co. (Rivets), Wahl c 27th av

Bolt & Screw Cases

American Bolt & Screw Case Co., Dayton, O.
Green, A. H. Co., 22 Park row, New York
Heller, W. C. Co., Montclair, N. J.
Warren, J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

Bolt & Shield (Expansion)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 90 West, New York. (See adv. index & branch offices, end of book)
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.

*Bolters ("Monarch" Self-Balancing)

SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

*Bolters (Universal)

ALLIS-CHALMERS CO. (with Vibro-motor Drive), Milwaukee, Wis. (See adv. index & branch offices, end of book)

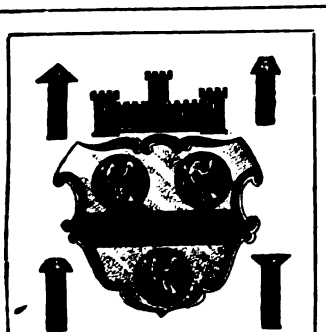
Bolting Cloth

(See also Wire Cloth)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Bolting Cloth Co., St. Louis, Mo.
Buffalo Weaving Co. (Webs), Buffalo, N. Y.
Charles, J. M., 59 Pearl, New York
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
Gump, B. F. Co. (Silk), S Clinton, Chicago, Ill.
Hammond-Homberger Co. ("Excelsior Anchor"), Silver Creek, N. Y.
HOWARD & MORSE (Wire), 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Latimer, R. L. & Co. ("Anchor Brand"), 24 N Front, Philadelphia, Pa.
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Nordyke & Marmon Co. (Silk & Wire), Indianapolis, Ind.
SPROUT, WALDRON & CO. (Silk & Wire), Muncy, Pa. (See adv. index, end of book)
Starr, B. F. Co. (Swiss Silk), 455 North. Baltimore, Md.
Tobler & Co. ("Dufour" Silk), 35 S William, New York
TYLER, W. S. CO. (Wire), Cleveland, O. (See adv. index & branch offices, end of book)

Bolts (Anchor)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Church, Isaac, S Norwalk, Conn.
DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)



PITTSBURGH RIVET COMPANY
PITTSBURGH, PA.

RIVETS — STRUCTURAL, BOILER, SHIP
BOLTS — FOUNDATION, BRIDGE, SPECIAL, Up to 1½-in. diameter
RODS — UPSET and PLAIN
Forgings — OF ALL DESCRIPTIONS

FARRINGTON, H. (Expansion), 45 B'way, New York. (See adv. index, end of book)
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
National Bolt & Nut Co., Pittsburg, Pa.
Penna. Iron Co., Lancaster, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
STAR EXPANSION BOLT CO. ("Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)
Variety Mfg. Co. (Of All Kinds, etc.), Sacramento & Carroll av, Chicago, Ill.

Bolts (Barn Door)

Arcade Mfg. Co., Freeport, Ill.
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn., & 94 Centre, New York

Bolts (Barrel)

Griffin Mfg. Co. (Wrought Steel), Erie, Pa.
Hardware & Woodenware Mfg. Co., 826 B'way, New York
National Supply Co., 7 W Lombard, Baltimore, Md
New England Bolt & Steel Co., 3 Charlton, Everett, Mass
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., 94 Centre, New York, & New Haven, Conn
Shelby Spring Hinge Co. (Wrought Steel), Shelby, O
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

Bolts (Belt or Elevator)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
American Screw Co., Providence, R. I., & 19 Lake, Chicago, Ill.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co. (Elevator), Millidale, Conn.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa
Lake Erie Iron Co. (Elevator), Wade bldg., Cleveland, O
Lamson & Sessions Co., Cleveland, O.
Moore & Lorens Co. (Elevator), 816 Fulton, Chicago, Ill
Moran Bolt & Nut Mfg. Co., Florida c Main St. Louis, Mo
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rockford Bolt Works, Rockford, Ill.
Smith, Thos. & Co., Worcester, Mass.
Union Nut & Bolt Co., 107 Chambers, New York

Bolts (Bicycle)

Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Screw & Tack Co., Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo

Bolts (Boiler Patch)

American Iron & Steel Mfg Co., Lebanon & Reading, Pa.
Anthony Screw Co., Worcester, Mass.
Chicago Screw Co., 2 N Canal, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Cleveland Cap Screw Co., Cleveland, O.
Corbin Screw Corporation, New Britain, Conn
Dangel, W. H. & Co., 140 Dearborn, Chicago, Ill
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Falls Hollow Stay Bolt Co., Cuyahoga Falls, O.
Hall's, Samuel Sons, 229 W 10th, New York
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
Niagara Screw Co., Buffalo, N. Y.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., 600 E Clarence, St Louis, Mo
Worcester Machine Screw Co., Worcester, Mass

Bolts (Boiler Stay)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa
Dangel, W. H. & Co., 140 Dearborn, Chicago, Ill
Falls Hollow Stay Bolt Co., Cuyahoga Falls, O
Flannery Bolt Co. ("Tate" Flexible), Frick bldg, Pittsburg, Pa
Ford, C. B. Co. (Inc.), Richmond, Va.
Hartford Machine Screw Co., Hartford, Conn
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I
Lake Erie Iron Co., Wade bldg., Cleveland, O
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
Lockhart Iron & Steel Co., Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., Baltimore, Md.
Pittsburg Mfg. Co., Pittsburg, Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rockford bolt Works, Rockford, Ill.
St. Louis Screw Co., St. Louis, Mo.
Thompson, Chas. A. ("Acme" Flexible), 514 N 3d, St. Louis, Mo.
Walker & Ehrman Mfg. Co., 127 W Washington, Chicago, Ill.

Bolts (Brass & Copper)

American Iron & Steel Mfg. Co. (Brass & Bronze Only), Lebanon & Reading, Pa.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Equipoise Rivet Co. (Brass for Plumbers' Use), Waterbury, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hendricks Bros. (Copper Only), 49 Cliff, New York
HUNGERFORD, U. T. BRASS & COPPER Co., 497 Pearl, New York
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Pittsburg, O. (See adv. index & branch offices, end of book)
National Supply Co., 7 W Lombard, Baltimore, Md.
New Haven Copper Co. (Copper), Seymour, Conn., & 114 Chambers, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Phosphor Bronze Smelting Co., (Ltd.), 2200 Wash'n av, Phila., Pa.
Reading Hardware Co. (Brass), Reading, Pa.
Rockford Bolt Co. (Brass), Rockford, Ill.
Taunton-New Bedford Copper Co. (Yellow Metal Only), New Bedford, & Taunton, Mass.

Bolts (Bridge & Structural)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon & Reading, Pa
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Central City Bolt Co., Syracuse, N. Y.
Colorado Fuel & Iron Co., Denver, Colo.
Columbus Bolt Works, Columbus, O.
Contiental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Gaskell, Wm. & Son, 433 E 25th, New York
Graham Nut Co., W Carson nr Point bridge, Pittsburg, Pa.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Wade bldg, Cleveland, O
Lanz, Mathew & Sons, 101 S 29th, Pittsburg, Pa.
McGookin, D. H. & Co., 1630 N 9th, Phila., Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt Works, 1630 N 9th, Phila., Pa.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Nunning, Frank & Son, 215 W 2d, Cincinnati, O.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Forge & Iron Co., 1003 Penna. av, Pittsburg, Pa.
Pittsburg Mfg. Co., 28th & A. V. R. R., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Reynolds & Co., 821 East, New Haven, Conn.
Rockford Bolt Co., Rockford, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Scranton Bolt & Nut Co., Scranton, Pa.
Simons & Sons, Spokane, Wash.
Smith, Thos. & Co., Worcester, Mass.
Sylvester Co., 70 Kilby, Boston, Mass.
Union Nut & Bolt Co., 107 Chambers, New York
Upson Nut Co., Unionville, Conn., & Cleveland, O.
Wurtz & Son, 23 Lloyd

Bolts (Bronze)

(See Bolts, Brass & Copper)

*Bolts (Cam)

NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)

Bolts (Car)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa.
Continental Bolt & Iron Works, 22d & Union Chicago, Ill.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Lake Erie Iron Co., Wade bldg., Cleveland, O.
Lanz, Mathew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida c Main, St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pottsville Bolt Co., Pottsville, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.
Youngstown Mfg. Co., Youngstown, O.

Bolts (Carriage)

American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
ATLAS BOLT & SCREW CO., THE, Marquette, opp Hamilton av, N E, Cleveland, O
Bassett, D. M. Bolt Works, Shelton, Conn.
Berry Bros., Columbus, O.
BETTCHER MFG. CO., Clark av, at C. C. C. & St. Louis ry, S W, Cleveland, O. (See adv. index, end of book)
Border Bolt & Nut-Lock Co., Richmond, Ind.
Buffalo Bolt Co., North Tonawanda, N. Y.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works (Common & "Eagle"), Columbus, O.
Cowles, C. & Co., New Haven, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Frost, L. D. (Est. of), Marion, Conn.
Garland Nut & Rivet Co., Pittsburg, Pa.
Haydon, A. & M., 304 N 22d, Phila., Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hoopes & Townsend Co., 1330 Buttonwood, Hubbard & Co., Pittsburg, Pa. Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., Madison av nr W 85th, N W, Cleveland, O.
Lake Erie Iron Co., Wade bldg, Cleveland, O.

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Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moore, Franklin Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., Florida c Main, St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Screw & Tack Co., Cleveland, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
Neely Nut & Bolt Co., S 22d & P. & L. R. R. Pittsburg, Pa
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Oliver Iron & Steel Co., Pittsburg, Pa. book)
Payne's Bolt Works, 121 Howard, San Francisco, Cal.
Peck, Stow & Wilcox Co., Southington, Conn.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Shelton Co., Shelton, Conn.
Skelly, Thos. P. & Co., 24th, below Callowhill, Phila., Pa.
Upson Nut Co. (Common, "Philadelphia," "Coleman Eagle"), Unionville, Conn., & Cleveland, O.
Wilson & Smith, Worcester, Mass.

Bolts (Collar)

American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hall's, Samuel Sons, 229 W 10th, New York
Michigan Bolt & Nut Works, Detroit, Mich.
NATIONAL-ACME MFG. CO. (Milled), 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Rhode Island Tool Co., Providence, R. I.
Scranton Bolt & Nut Co., Scranton, Pa.
Western Automatic Machine Screw Co., Elyria, Ohio

Bolts (Copper Soldering)

Ansonia Brass & Copper Co., 99 John, New York, Works, Ansonia, Conn.
Clendenin Bros., Baltimore, Md.
New Haven Copper Co., Seymour, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Taunton-New Bedford Copper Co., Taunton, Mass., & New Bedford, Mass.

Bolts (Countersunk)

American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa
Columbus Bolt Works, Columbus, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Hall's, Samuel Sons, 229 W 10th, New York
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co. (Round Head, etc.), 2188 Scranton rd, S W, Cleveland, O.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moore, Franklin Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Scranton Bolt & Nut Co., Scranton, Pa.

Bolts (Coupling)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Anthony Screw Co., Worcester, Mass.
Chicago Screw Co., 2 N Canal, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Electric Welding Products Co., Cleveland, O.
Haskell, Wm. H. Mfg. Co. (Nut, Tapped, etc.), Pawtucket, R. I.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Wade bldg., Cleveland, O.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Niagara Screw Co., Buffalo, N. Y.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co., 25th & Liberty av, Pittsburg, Pa
Reynolds & Co. (Milled), 321 East, New Haven, Conn
Rhode Island Tool Co. (Milled Hexagon Heads & Nuts), Providence, R. I
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester N. Y.
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio
Winsted-Norway Bolt Co., West Winsted, Conn.

Bolts (Cross Arm)

American Iron & Steel Mfg. Co. (Galvanized), Lebanon, & Reading, Pa.
Columbus Bolt Works, Columbus, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Hubbard & Co., Pittsburg, Pa.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt & Nut Co., Pittsburg, Pa
Oliver Iron & Steel Co., Pittsburg, Pa.
Phila. Electrical & Mfg Co. ("Pemco," Malleable Cpacer & Cross Arm Bolt), 1232 N 31st, Phila., Pa.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Bolts (Crown-Bar)

American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.

Bolts (Cupboard)

Russell & Irwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Bolts (Door & Window)

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Champion Safety Lock Co. (Mortise Door), Geneva, O.
Corbin Cabinet Lock Co. (Double Door, etc.), New Britain, Conn
Griffin Mfg. Co., Erie, Pa.
Ives, Hobart B. Co., New Haven, Conn.
Norwalk Lock Co., So. Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Peters, Jas. Son (Fire Door), 1934 N Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Sargeant & Greenleaf Co. ("The Gem"), 178 Court, Rochester, N. Y.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Taylor & Boggis Foundry Co., Cleveland, O.
Yale & Towne Mfg. Co., 9 Murray, New York

Bolts (Double End)

Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.

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(See Bolts, Expansion, Single & Double)

Bolts (Drift)

American Iron & Steel Mfg. Co., Lebanon, & Reading, Pa.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Columbus Bolt Works, Columbus, O.
FARRINGTON, H., 45 B'way, New York. (See adv. index, end of book)
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.
Jones & Laughlin Steel Co. (Round & Square), Pittsburg, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
New Castle Forge and Bolt Co., New Castle, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO. (Round & Square), 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence, S. Mfg. Co., Pittsburg, Pa.

Bolts (Elevator)

(See Bolts, Belt & Elevator)

Bolts (Expansion)

Boones, Wm., Port Richmond, New York
Brohard Co., 1624 N 9th, Phila., Pa.
Church, Isaac, South Norwalk, Conn.
DIAMOND EXPANSION BOLT CO. ("Diamond" & "Keystone"), 90 West, New York. (See adv. index & branch offices, end of book)
Evans, F. H. ("Crescent"), 506 Kent av, Brooklyn, N. Y.
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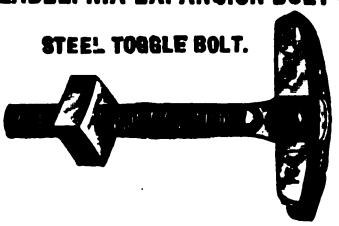
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*Bolts (Expansion Brass)

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STAR EXPANSION BOLT CO. ("Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)

Bolts (Expansion Eye)

(See Bolts, Expansion)

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FARRINGTON, H., 45 B'way, New York. (See adv. index, end of book)
STAR EXPANSION BOLT CO. ("Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)

*Bolts (Expansion, Single & Double)

DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)
FARRINGTON, H., 45 B'way, New York. (See adv. index, end of book)
Schroder, J. B. & Co. (Double Expansion for Fire Doors), Cincinnati, O.
STAR EXPANSION BOLT CO. ("Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)

STEWARD & ROMAINE MFG. CO., 154 N 6th, Phila., Pa. (See adv. index, end of book)

Bolts (Expansion Switch Board)

(See Bolts, Expansion)

Bolts (Extension)

Yale & Towne Mfg. Co., 9 Murray, New York

Bolts (Eye)

(See Bolts, Hook & Eye)

Bolts (Forged)

National Bolt & Nut Co., Pittsburg, Pa.

Bolts (Foundation)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Church, Isaac (Expansion), South Norwalk, Conn.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Fort Pitt Forge Co., 26th & Liberty, Pittsburg, Pa.
Graham Nut Co., W Carson nr Point Bridge, Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
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Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Penn Iron Co., Lancaster, Pa.
Pittsburg Forge & Iron Co., 1003 Penna. av, Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Scranton Bolt & Nut Co., Scranton, Pa.
Wendt, Albert, 456 E 2d, Cincinnati, O.
Wrigley, Thos. Co., 800 Dearborn, Chicago, Ill.

Bolts (Galvanized)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Hoopes & Townsend Co., Philadelphia, Pa.
Hubbard & Co., Pittsburg, Pa.
Lamson & Sessions Co., Cleveland, O.
National Bolt & Nut Co., Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.

Bolts (Hanger)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Clark Bros. Bolt Co., Millidale, Conn.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Reed & Prince Co., Worcester, Mass.
Scranton Bolt & Nut Co., Scranton, Pa.

Bolts (Harvey Grip)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Cleveland, O.

Bolts (Hook Head)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Berry Bros., E 1st av & R. R., Columbus, O.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Keystone Drop Forge Works (Weldless), Chester, Pa.
Lanz, Matthew & Sons, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Mount Carmel Bolt Co., Mount Carmel, Conn.
Pittsburg Bolt & Screw Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.

Bolts (Hook & Eye)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
ANDERSON FORGE & MACHINE CO. (Special Eye), 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Billings & Spencer Co. (Galvanized Drop Forged Eye), Hartford, Conn.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Hall's, Samuel Sons (Forged), 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Hubbard & Co. (Welded), Pittsburg, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Lake Erie Iron Co., Wade bldg., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida, cor Main, St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Oliver Iron & Steel Co., Pittsburg, Pa.
PAGE-STORMS DROP FORGE CO. (Weldless Drop Forged, Blank or Threaded), Chicopee, Mass. (See adv. index, end of Pawtucket Mfg. Co., Pawtucket, R. I. book)
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rhode Island Tool Co. (Blank or Threaded Steel Eye), Providence, R. I.
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co. (Screw), Worcester, Mass.
STEWARD & ROMAINE MFG. CO., 124 W 6th, Phila., Pa. (See adv. index, end of book)
Transue & Williams Co. (Drop Forged), Alliance, O.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Vaughn & Bushnell Mfg. Co. (Drop Forged Eye), 875 W Carroll av, Chicago, Ill.
Wilcox, D. Mfg. Co. (Drop Forged Eye), Mechanicsburg, Pa.
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av, Brooklyn, N. Y.
Wire Goods Co., Worcester, Mass.

Bolts (Insulated Suspension)

Cutter, Geo. Co. ("Cutters"). South Bend, Ind.

Bolts (Key)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kropp, A. & Co., 52 Law av, Chicago, Ill.
Lamson & Sessions Co., Cleveland, O.
Michigan Nut & Bolt Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida & Main St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Rhode Island Tool Co., Providence, R. I.
Scranton Bolt & Nut Co., Scranton, Pa.

Bolts (King)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.

Bolts (Loom)

Clark Bros. Bolt Co., Millidale, Conn.
Garland Nut & Rivet Co., Pittsburg, Pa.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Rhode Island Tool Co., Providence, R. I.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Machine)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Anchor Bolt & Nut Co., Poughkeepsie, New York
Berry Bros., E 1st av & R. R., Columbus, O.
BETTCHER MFG. CO., Clark av, at C. C. C. & St. Louis ry, S W, Cleveland, O. (See adv. index, end of book)
Border Bolt & Nut Lock Co., Richmond, Ind.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Buffalo Bolt Co., North Tonawanda, N. Y.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Colorado Fuel & Iron Co., Denver, Colo.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Dietrich Bros., 344 North, Baltimore, Md.
Elastic Nut & Bolt Co., Milwaukee, Wis.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Gaskell, Wm. & Son, 483 E 25th, New York
Graham Mfg. Co., Cleveland, O.
Graham Nut Co., W Carson nr Point Bridge, Pittsburg, Pa.
Greenlie, Wyatt & Co., 490 Water, New York
Hall's, Samuel Sons, 229 W 10th, New York
Haskell, W. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Hubbard & Co., Pittsburg, Pa. Phila., Pa.
Illinois Bolt, Nut & Forging Co. (Large), 35th & Ashland av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., Cleveland, O.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
Lorain Steel Co., Penna. bldg, Phila., Pa.
McCABE HANGER MFG. CO., 425 W 25th, New York. (See adv. index, end of book)
McCloud, Crane & Minter, Worcester, Mass.
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Nut & Bolt Mfg. Co., Florida c Main, St. Louis, Mo.
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.
National Screw & Tack Co., Cleveland, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
Neely Nut & Bolt Co., S 22d & P. & L. R. R., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Noble Electric Steel Co., San Francisco, Cal.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penn Iron Co., Lancaster, Pa.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Pittsburg Mfg. Co., 28th & A. V. R'y, Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Reynolds & Co., 321 East, New Haven, Conn.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thomas & Co., Worcester, Mass.
Union Nut & Bolt Co., 107 Chambers, New York
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Neck)

National Screw & Tack Co. ("O. H. Fin"), Cleveland, O.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

Bolts (North Patented)

Cleveland Bolt & Mfg. Co., Cleveland, O.

Bolts (Planer Head)

Anthony Screw Co., Worcester, Mass
Chicago Screw Co., 2 N Canal, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Niagara Screw Co., Buffalo, N. Y.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Smith, Thos. & Co., Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio

Bolts (Plow)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.

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Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Wade bldg., Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida, c Main, St. Louis, Mo.
National Supply Co., 7 W Lombard, Baltimore, Md.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
Smith, Thos. & Co., Worcester, Mass.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Roof)

(See Bolts, Bridge & Structural)

Bolts (Screen)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.

Bolts (Screw & Nut Eye)

Wilcox, Crittenden & Co., Middletown, Conn.

Bolts (Shackle)

Blakeslee Forging Co. (Milled), Plantsville, Conn.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Moore, Franklin Co., Winsted, Conn.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

Bolts (Shaft)

Columbus Bolt Works (T Head Shaft), Columbus, O.
Corbin Screw Corporation (Reverse Helicoid), New Britain, Conn.

Bolts (Shutter)

Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Wrightsville Hardware Co., Wrightsville, Pa.

Bolts (Sink)

American Screw Co., Providence, R. I., & 19 Lake, Chicago, Ill.
ATLAS BOLT & SCREW CO., THE (Iron & Brass), Marquette, opp Hamilton av, N E, Cleveland, O.
Berry Bros., E 1st av & R. R., Columbus, O.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Central Foundry Co., 37 Wall, New York
Columbia Screw Co., Pullman, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Kirk-Latty Mfg. Co., Madison av, nr W 85th, N W, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Mount Carmel Bolt Co. (Also Brass), Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., 3 Charlton Everett, Mass
Reed & Prince Mfg. Co., Worcester, Mass.
Reynolds & Co., 321 East, New Haven, Conn.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Shelton Co. (Iron & Brass), Shelton, Conn.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Sleigh Shoe)

ATLAS BOLT & SCREW CO., THE, Marquette, opp Hamilton av, N E, Cleveland, O.
Berry Bros., E 1st av & R. R., Columbus, O.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation (Plain & Reverse Helicoid), New Britain, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O., & 208 Fulton, New York
Lake Erie Iron Co., Wade bldg., Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moore, Franklin Co., Winsted, Conn.
Mount Carmel Bolt Co., Mount Carmel, Conn.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Russell & Erwin Mfg. Co. (Helicoid), New Britain, Conn., & 96 Lafayette, New York

Bolts (Socket)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.

*Bolts (Split, with Wedge)

PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Bolts (Stove)

American Screw Co., Providence, R. I., & 19 Lake, Chicago, Ill.
ATLAS BOLT & SCREW CO., THE, Marquette, opp Hamilton av, N E, Cleveland, O.
Berry Bros., Columbus, O.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Clark Bros. & Co., Millidale, Conn.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Fanner Mfg. Co., Cleveland, O.
Hazel Atlas Glass Co., Wheeling, W. Va.
Kirk-Latty Mfg. Co., Cleveland, O.
Lake Erie Iron Co., Wade bldg., Cleveland, O
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida, c Main St. Louis, Mo
Mount Carmel Bolt Co. (Also Brass), Mount Carmel, Conn
National Screw & Tack Co., Cleveland, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
New Castle Forge & Bolt Co., New Castle, Pa.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co. (Also Nickel Plated), Norristown, Pa
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Reynolds & Co., 321 East, New Haven, Conn
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Shelton Co. (Iron & Brass), Shelton, Conn.
Southington Cutlery Co., Southington, Conn.
Troy Nickel Works (Jno. E. Gaitley, Prop.) Albany, N. Y
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Strap)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Simmons & Sons, Spokane, Wash.

Bolts (Stud)

Aetna Nut Co., Southington, Conn.
American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Chicago Screw Co., 2 N Canal, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Eastern Bolt & Nut Co., Providence, R. I.
Electric Welding Products Co., Cleveland, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Greenlie, Wyatt & Co., 499 Water, New York
Hall's, Samuel Sons, 229 W 10th, New York
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida, c Main, St. Louis, Mo.
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Phila. Machine Screw Works, Phila., Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Reynolds & Co., 321 East, New Haven, Conn.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.
St. Louis Screw Co., St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Mach. Screw Co., Elyria, O.

Bolts (Tap)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co. (& Set-Screws), Millidale, Conn.
Columbus Bolt Works, Columbus, O.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Garland Nut & Rivet Co., Pittsburg, Pa.
Greenlie, Wyatt & Co., 499 Water, New York
Hall's, Samuel Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., Everett, Mass.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Reynolds & Co., 321 East, New Haven, Conn.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.

Bolts (Tee Head)

National Bolt & Nut Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Bolts (Thumb)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Eberhard Mfg. Co., Tennyson & C. & P. R. R., Cleveland, O.
Hall's, Samuel Sons (Wing or Thumb Nut Bolts), 229 W 10th, New York
National Supply Co., 7 W Lombard, Baltimore, Md.
St. Louis Screw Co., St. Louis, Mo.

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Bolts (Tire)

American Screw Co. (Fluted), Providence, R. I., & 19 Lake, Chicago, Ill.
ATLAS BOLT & SCREW CO., THE, Marquette, opp Hamilton av, N E, Cleveland, O.
Berry Bros., Columbus, O.
BETTCHER MFG. CO., Clark av, at C. C. C. & St. Louis ry, S W, Cleveland, O. (See adv index, end of book)
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Frost, L. D., Marion, Conn.
Haydon, A. & M., 304 N 22d, Phila., Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Kirk-Latty Mfg. Co., Cleveland, O.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions So., 2188 Scranton rd, S W, Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Richards, T. C. Hardware Co., Winsted, Conn.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Shelton Co., Shelton, Conn.
Skelly, Thos. P. & Co., 24th nr Callowhill, Philadelphia, Pa.
Southington Cutlery Co., Southington, Conn.
Upson Nut Co. (Common & "Philadelphia"), Unionville, Conn., & Cleveland, O.

Bolts (Toggle)

Ajax Line Material Co. ("Ajax"), 12 S Jefferson, Chicago, Ill.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Church, Isaac, S Norwalk, Conn.
Crescent Co. ("Crescent"), Valparaiso, Ind.
Cutter, Geo. Co. ("Lever"), South Bend, Ind.
DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)
Ellis Mfg Co. ("Omega"), 289 Dearborn, Chicago, Ill.
G. & W. MFG. CO. ("Delta"), 26 Cortlandt, New York. (See adv. index, end
Grabber Mfg. Co., Cleveland, O. of book)
Jones & Gross Elec. Co., 62 Vesey, New York
STAR EXPANSION BOLT CO. ("Star" All Kinds), 147 Cedar, New York. (See adv. index & branch offices, end of book)
STEWARD & ROMAINE MFG. CO., 124 N 6th, Phila., Pa. (See adv. index, end
Wilcox Mfg. Co., Aurora, Ill. of book)
Wrigley, Thos. Co. ("Wrigley," Patented Steel), 802 Dearborn, Chicago, Ill.

*Bolts (Toggle, Boiler Patch)

STEWARD & ROMAINE MFG. CO. (For Range Boilers), 124 N 6th, Phila., Pa. (See adv. index, end of book)

Bolts (Track)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Ames, W. & Co., Jersey City, N. J.
Border Bolt & Nut-Lock Co. ("Border"), Richmond, Ind.
Boston Bolt Co., 284 Franklin, Boston, Mass.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Cambria Steel Co., Arcade bldg, Phila., Pa.
CAREY, GEO. H. (Jobber), 1 B'way, New York. (See adv. index, end of book)
Colorado Fuel & Iron Co., Denver, Colo.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Elastic Nut & Bolt Co., Russell av & Superior, Milwaukee, Wis.
Hirsch Rolling Mill Co., St. Louis, Mo.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Hubbard & Co., Pittsburg, Pa.
Illinois Steel Co., Com. Nat'l Bank bldg, Chicago, Ill.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
KILGORE-PETELER CO., Minneap-olis, Minn. (See adv. index, end of book)
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions So., 2188 Scranton rd, S W, Cleveland, O.
Lanz, Matthew & Sons, 101 S 29th, Pittsburg, Pa.
Lorain Steel Co. (With Button Heads & Oval Necks), Penna. bldg, Phila., Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Florida c Main, St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Oliver Iron & Steel Co. (Threads Rolled or Cut in Oil), Pittsburg, Pa.
Penn Iron Co., Lancaster, Pa.
Penna. Steel Co. ("Never-Turn"), Girard bldg, Phila., Pa
Pittsburg Forge & Iron Co., 1003 Penna av, Pittsburg, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Railway Specialty & Supply Co. (For Electric Railways), 77 Jackson boul., Chicago, Ill
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith Improved Lock Nut Co., Rockford, Ill.
Tredegar Co., Richmond, Va.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Trolley Span, Wire Work)

American Iron & Steel Mfg. Co., Lebanon, Pa.

Bolts ("U")

National Bolt & Nut Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Bolts (Water Closet Indicator)

Russell & Irwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Bolts (Whiffletree)

Atwater Mfg. Co., Plantsville, Conn.
Columbus Bolt Works, Columbus, O.
Lamson & Sessions Co., Cleveland, O.
Moore, Franklin Co., Winsted, Conn.
National Supply Co., 7 W Lombard, Baltimore, Md.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa., & 25 Broad, New York
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Bolts (Window)

(See Bolts, Door & Window)

Bonds (Rail)

(See Rail Bonds)

Bone-Ash

Harshaw, Fuller & Goodwin Co., Cleveland, O.
Wiarda, Jno. C. & Co., Brooklyn, N. Y.

Bone Black

(See also Rawbone, Granulated)

American Agricultural Chemical Co., 2 Rector, York
Baugh & Sons Co., 25 S Calvert, Baltimore, Md.
Binney & Smith Co. (& Blacks of Every Description), 81 Fulton, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Lister Agricultural Chemical Works, 26 B'way, New York
Michigan Carbon Works, Baldwin & Gregory, Detroit, Mich.
Pettit Chemical Co., 241 Front, New York
Seaver & Co., 120 Milk, Boston, Mass.
Standard Guano Chemical Mfg. Co., 714 Union, New Orleans, La.

Bone Dealers

Brand, Herman, 404 E 48th, New York
Koch, Frank, 52 Belvidere av, Jersey City, N. J.
Levy, J. & J., 247 E 50th, New York
Liebenau, Albert, 3402 Park av, New York

Bone-Meal

Akron Fertilizer Co., Akron, O.
Binney & Smith Co. (For Case Hardening), 81 Fulton, New York
Hawaiin Fertilizer Co., Honolulu, H. T.
York Chemical Works, York, Pa.

Book Case Fronts (Flexible)

Flexifold Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.

Book Cases

Aimone Mfg. Co. (Combination), 430 E 23d, New York
Andrews, A. H. Co. (Combination, Revolving & Sectional), 174 Wabash av, Chicago, Ill.
Automatic File & Index Co. (Sectional), Green Bay, Wis.
Buchanan Cabinet Co. (Revolving), Buchanan, Mich.
Cabinet Makers Co. (Combination), 329 Kent, Grand Rapids, Mich.
Casler, P. W. Mfg. Co. (Sectional), Little Falls, N. Y.
Conrey, D. L. Furniture Co. (Combination), Shelbyville, Ind.
Co-Operative Furniture Co. (Combination), Rockford, Ill.
Danner, John Mfg. Co. (Revolving), Canton, O.
Evansville Bookcase & Table Co. (Combination), Evansville, Ind.
Globe-Wernicke Co. (Sectional), 1224 8th, Cincinnati, O.
Gunn Furniture Co. (Sectional), Grand Rapids, Mich.
Humphrey Book Case Co. (Sectional), W, Detroit, Mich.
Ideal Desk Extension Co. (Sectional Folding), Auburn, Me.
Library Bureau (Sectional), 530 Atlantic av, Boston, Mass.
McNown Mfg. Co. (Revolving), Columbia City, Ind.
Macey Co. (Sectional), Grand Rapids, Mich.
Ideal Desk Extension Co. (Sectional Folding), Auburn, Me.
Library Bureau (Sectional), 530 Atlantic av, Boston, Mass.
McNown Mfg. Co. (Revolving), Columbia City, Ind.
Macey Co. (Sectional), Grand Rapids, Mich.
Peck & Hills Furniture Co. (Revolving & Sectional), 1319 Michigan av, Chicago, Ill.
Peninsular Mfg. Co. (Sectional), Ann Arbor, Mich.
Rockford Standard Furniture Co. (Combination), Rockford, Ill.
Sargeant Mfg. Co. (Revolving), Muskegon, Mich.
Shaw-Walker Co. (Sectional), Muskegon, Mich.
Skandia Furniture Co. ("Viking"), Rockford, Ill.
Weis Mfg. Co. ("Weis" Sectional), Monroe, Mich.

*Book Lifts (Electric)

OTIS ELEVATOR CO., 17 Battery pl. (See adv. index & branch offices, end of book)

Book Stacks (Fire-Proof)

(See Library Shelving & Fittings, Metallic)

Boots (Elevator)

American Machinery & Construction Co., Milwaukee, Wis.
Barnard & Leas Mfg. Co. ("Perfection," etc., Iron or Wood), Moline, Ill.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Buhl Malleable Co., Detroit, Mich.
Caldwell, H. W. & Son Co. ("Caldwell" Self-Oiling, etc.), 17th & Western av, Chicago, Ill.
Chain Belt Co., 766 Park, Milwaukee, Wis.
Dodge Mfg. Co., Mishawaka, Ind.

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JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th c Stewart av, Chicago, Ill., & 299 B'way, New York
Marseilles Mfg. Co., Marseilles, Ill.
MINNEAPOLIS STEEL & MACHINERY Co. (Wood, Steel & Cast Iron), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moore & Lorenz Co., 816 Fulton, Chicago, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
Power & Mining Machinery Co., Cudahy, Wis.
Skillin & Richards Mfg. Co., 147 Fulton, Chicago, Ill.
Specialty Engineering Co., 1908 Westmoreland, Phila., Pa.
Standard Sand & Machine Co., 5157 St. Clair, Cleveland, O.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E. North av, Chicago, Ill. (See adv. index, end of book)

Boots (Lawn)

Gregg Mfg. Co. ("Phillips" for Horses), 1318 W 4th, Cleveland, O.

*Boots (Sewer Connection)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CANTON MFG. CO., Canton, O. (See adv. index, end of book)

Borax

Croton Chemical Co. (Refined), 20 Cedar, New York
Denver Fire Clay Co. (Glass), Denver, Colo.
Griswold, E. & Co., San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Mallinckrodt Chemical Works, St. Louis, Mo.
Pacific Coast Borax Co. (Refined), Oakland, Cal.
Pfizer, Chas. & Co. (Crystals, Powdered & Granular), 81 Maiden la, New York
Preservaline Mfg. Co., 41 Warren, New York
Rhodes Salt & Borax Co., San Francisco, Cal.
Sterling Borax Co. (Refined), San Francisco, Cal.
Wiarda, Jno. E. & Co., Brooklyn, N. Y.

Borax Powder for Annealing, Etc.

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
McIlvaine Bros., 1500 Hamilton, Phila., Pa.

Borers (Bung Hole)

ELMES, CHAS. F. ENGINEERING Works, Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Redlick Mfg. Co., 6 Oak, Chicago, Ill.
Swan, Jas. Co. (Graduated & Ring), Seymour, Conn.
United States Bung Mfg. Co. ("Kirby"), 48 S 2d, Brooklyn, N. Y.

Borers (Ratchet Corner)

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.

Borers (Tap)

BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Ives, W. A. Mfg. Co., 299 B'way, New York
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Boring Machines

(See Machines, Boring, of Various Kinds)

Boring & Turning Mills

(See Mills, Boring & Turning)

Bortz

Bandler, Bernard & Son (Also Black Diamonds for Diamond Drills & All Mechanical Purposes), 65 Nassau, New York
DESSAU'S, S. SONS (also Black Diamonds for Diamond Drills & All Mechanical Purposes), 180 B'way, New York. (See adv. index, end of book)
Mendes Cutting Factories (For Diamond Saws), 14 John, New York
MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)

Boshes (Mechanical)

Heyl & Patterson, Pittsburg, Pa.

Boshes (Tin House)

Meehan Boiler & Construction Co., Lowellville, O.

Bottle Fillers (Milk, Etc.)

Champion Milk Cooler Co., Cortland, N. Y.
Cornish, Curtis & Green, Fort Atkinson, Wis.
Edson Mfg. Co., Boston, Mass.
Stoddard Mfg. Co., Rutland, Vt.

*Bottle Rack (Hollow Tile)

MAURER, HENRY & SON, 420 E 23d, New York; Penna. bldg, Phila., Pa. Works: Maurer, N. J. (See adv. Inside Front Cover)

Bottle Wrappers (Corrugated)

(See Paper Manufacturers, Corrugated)

Bottles (Glass)

CALIFORNIA.

SAN FRANCISCO—Illinois-Pacific Glass Co.

COLORADO.

DENVER—Western Glass Mfg. Co. (Prescription, Beer, Wine, Soda, Medicine, Preservers' & Packers')

GEORGIA.

TALLAPOOSA—Dixie Glass Co. (Prescription, Beer, Soda, Brandy, Medicine, etc.)

ILLINOIS.

ALTON—Illinois Glass Co. (Prescription, Druggists', Beer, Wine, Soda, Mineral Water, etc.)
BELLEVILLE—American Bottle Co. (See Chicago, Ill.)
CHICAGO—American Bottle Co., 1st Nat'l B'k bldg. Works, Newark, O., & Belleville, Ill.
Illinois Glass Co., 208 Randolph (See Alton, Pitkin & Brooks, State & Lake Ill.)
Western Bottle Mfg. Co., 210 Randolph
CHICAGO HEIGHTS — Sheldon-Foster Glass Co.
DANVILLE—Headley Glass Works
EAST ST. LOUIS—Obear-Nester Glass Co.
HILLSBORO—Schram Automatic Sealer Co.
STREATOR—American Bottle Co. (See Chicago, Ill.)

INDIANA.

ANDERSON — Anderson Flint Bottle Co. (Druggists', Perfumers', Beer, etc.)
Pennsylvania Glass Co. (Prescription, Druggists')
CICERO—Indiana Bottle & Glass Co.
DALEVILLE—Daleville Glass Co. (Prescription, Druggists', Preservers', Packers')
DUNKIRK—Maring Hart & Co. (Beer, Soda, Wine, Brandy, Preservers', Packers')
EATON—Western Flint Glass Co.
GAS CITY—Thompson Bottle Co. (Prescription, Beer, Wine, Soda, Brandy, Proprietary Medicine, Packers' & Preservers')
U. S. Glass Co. (See Pittsburg, Pa.)
GREENFIELD—Greenfield Fruit Jar & Bottle Co.
KOKOMO—Jenkins, D. C. Glass Co. (Milk,
LAPEL—Lapel Bottle Co. Cherry & Olive)
LOOGOOTEE—Southern Indiana Glass Works (Packers', Preservers')
MARION—Ball Bros. Glass Mfg. Co. (See Muncie, Ind.)
Marion Flint Glass Co. (Prescription, Wine, Beer, Soda, Packers', Preservers')
Marion Fruit Jar & Bottle Co.
Standard Glass Co.
MUNCIE—Ball Bros. Glass Mfg. Co. Works, Marion, Ind., & Coffeyville, Kansas)
Boldt, Chas. Co.
SHIRLEY—Indiana Bottle Co. (Prescription, Packers', Preservers')
SPENCER—Spencer Co-operative Bottle Co.
SUMMITVILLE—Model Glass Works (Prescription & Druggists')
TERRE HAUTE — Modes-Turner Glass Co. (Whiskey, Prescription, Packers', Preservers')
North Baltimore Bottle Glass Co. (Beer, Soda, Wine, Brandy, etc.)
Root Glass Co. (Beer, Soda, Liquor)
UPLAND—Upland Co-Operative Glass Co.
YORKTOWN—Skillin-Goodin Glass Co. (Catsup, Condiment, Prescription, Extract, Pickle)

KANSAS.

ALTOONA—Altoona Co-Operative Glass Co.
COFFEYVILLE—Ball Bros. Glass Mfg. Co.
Mason-Fruit Jar Co.
Premium Glass Co.
Western Bottle Glass Co. (Prescription, Packers' & Preservers')
NEODOSHA—Neodosha Bottle & Glass Co. (Prescription, Beer, Soda, Wine & Brandy)

MARYLAND.

BALTIMORE — Carr-Lowery Glass Co. (Prescription, Beer, Wine, Soda, Packers', Brandy & Preservers')
Nivison Glass Co. (Beer, Soda, Wine, Brandy, Packers', Preservers')
Swindell Bros. (Druggists', Chemists', Perfumery Green Amber)
MOUNT WINANO—Maryland Glass Corporation

MISSOURI.

ST. LOUIS—Busch, Adolphus Glass Mfg. Co. (Beer)

NEW JERSEY.

BRIDGETON—Bridgeton Glass Co. (Owned by Cumberland Glass Co.)
Cumberland Glass Mfg. Co. (Prescription, Beer, Wine, Brandy, Soda, Packers')
Moore-Jonas Glass Co. (Prescription, Packers', Preservers')
Parker Bros. Glass Mfg. Co. (Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
CAPE MAY COURT HOUSE—Hereford Glass Co.
CLAYTON—Pierce, F. M. & Co. (Prescription, Proprietary Medicine)
GLASSBORO — Whitney Glass Co. (Green, Flint, Prescription, Packers', Preservers')
MEDFORD—Star Glass Co. (Prescription, Beer, Wine, Soda, Brandy)
MILLVILLE—Millville Bottle Co. (Prescription, Proprietary Medicine)
Whitall Tatum Co. (Druggists')
MINOTOLA—Jonas, Geo. Glass Mfg. Co. (Beer, Soda, Packers', Preservers', Brandy & Wine)
OLD BRIDGE—Brookfield Glass Co. (See New York City)
SALEM—Gayner Glass Works (Green)
Salem Glass Works (All Kinds)
VINELAND—Vineland Flint Glass Mfg. Co.
WOODBURY — Woodbury Bottle Works (Prescription, Beer, Soda, Wine, Brandy & Packers')

NEW YORK.

ALDEN — N. Y. Glass Works (Prescription, Beer, Wine, Brandy & Soda)
BINGHAMTON—Binghamton Glass Co. (Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
BROOKLYN — Brookfield Glass Works (Beer, Wine, Soda, Brandy, Packers', Preservers')
Demuth Bros. Glass Co.
Gleason-Tiebout Glass Co.
Williamsburg Flint Glass Co.
CLYDE—Clyde Glass Works
CORNING—Corning Glass Works
ELMIRA—Thatcher Mfg. Co. (Milk, Flint, Glass)
LANCASTER—Industrial Glass Co.
LOCKPORT—Lockport Glass Co.
NEW YORK CITY — Boley Mfg. Co. (Works, Olean, N. Y.
Brookfield Glass Co., 2 Rector. Works, Brooklyn, N. Y., & Old Bridge, N. J.
U. S. Glass Co., 29 Murray (Branch, Pitts-

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OLEAN—Boley Mfg. Co. burg, Pa.)
Olean Glass Co. (Prescription, Beer, Wine, Soda, Packers', Brandy & Preservers')
PORT JERVIS—Brox & Ryall (Soda, Syrup, Caster)
POUGHKEEPSIE — Poughkeepsie Glass Works (Prescription, Beer, Soda, Mineral Water, Wine, Brandy)
RAVENSWOOD, L. I.—Bottlers & Mfg. Supply
ROCHESTER—Reed, F. E. & Co. Co.

OHIO.

BELLAIRE—Bellaire Bottle Co. (Flint, Prescription & Druggists')
BRIDGEPORT—Crystal Glass Co. (Green)
BUTLER—Butler Bottle Co.
CAMBRIDGE—Cambridge Glass Co. (Balsam)
CINCINNATI—Boldt, Chas. Co.
COLUMBUS—Federal Glass Co.
Winslow Glass Co. (Prescription, Beer, Wine, Soda, Brandy, Packers' & Preservers')
COSHOCTON — Coshocton Glass Co. (Beer, Wine, Soda, Brandy)
JACKSON—Diamond Flint Glass Co. (Prescription, Beer, Wine, Soda, Brandy)
MASSILLON — Franklin Industrial Co. (Beer, Rhodes Glass & Bottle Co. So.
MOUNT VERNON—Essex Glass Co.
Hartford City Flint Glass Co. (Prescription, Beer, Wine, Soda, Brandy)
NEWARK—American Bottle Co. (See Chicago, Ill.
Heisey, A. H. & Co. (Prescription, Druggists')
TOLEDO—Owens Bottle Machine Co.
ZANESVILLE — Kearns-Gorsuch Bottle Co. (Mineral Water, Extract, Flint, Liquor, Prescription, Green, Beer, Pickle, etc.)

PENNSYLVANIA.

ALLENTOWN—Allentown Flint Co. (Prescription, Wine, Beer, Soda, Brandy, Packers' Preservers')
BEAVER FALLS — Co-Operative Flint Glass Co. (Ltd.)
Imperial Glass Co.
BROCKWAYVILLE—Brockway Machine Bottle Co. (Machine Made Ink, Mucilage, Vaseline, etc.)
CHARLEROI—Hamilton, W. H. Co.
CLARION—Pearl Glass Co. (Prescription, Proprietary Medicine, Packers', Preservers')
CLARKSBURG — Hazel-Atlas Glass Co. (See Wheeling, W. Va.)
EAST DOWNINGTON—Cohansey Glass Co. (Beer, Soda, Wine, Brandy, Packers', Preservers')
EAST STROUDSBURG — East Stroudsburg Glass Co. (Beer Soda, Wine, Brandy)
GLASSPORT—U. S. Glass Co. (See Pittsburg, Pa.)
GLENSHAW—Glenshaw Glass Co. (Inc.)
GREENSBURG—Stahl Glass Co.
HARRISBURG—Bochelli Non-Refillable Bottle Co.
HAWLEY — Hawley Glass Co. (Beer, Soda, Wine, Packers', Preservers')
JEANETTE — Fort Pitt Bottle & Glass Co. (Beer, Soda, Wine, Packers', etc.)
Jeanette Glass Co. (Prescription, Beer, Soda, Wine, Packers')
McKee-Jeanette Glass Co. (Prescription, Druggists')
KANE—Kane Flint Bottle Co. (Prescription, Beer, Soda, Wine, etc.)
Thatcher Mfg. Co. (See Elmira, N. Y.)
McDONALD—Warner Glass Co. (Citrate Magnesia, Panel, Prescription, Perfumery, Vaseline)
MOUNT PLEASANT—Anchor Glass Co.
PHILADELPHIA—Hero Fruit Jar Co., Gaul c Adams
Star Glass Co., 226 N 4th. (See Medford, N. J.)
Whitall-Tatum Co. Works, Millville, N. J.
Whitney Glass Co., 227 S Front. (See Glassboro, N. J.)
PITTSBURG—Cunningham, D. O. Glass Co. (Beer, Soda Water), Jane & 22d
Flaccus, C. L. Glass Co., Empire bldg
Hamilton, J. T. & A.
National Glass Co.
U. S. Glass Co. (Prescription, Druggists'.) Works, Pittsburg & Glassboro, Pa., & Wightman Glass Co. Gas City, Ind.
Wormser Glass Co. (Prescription & Druggist.
PORT ALLEGHANY—Olean Glass Co.
ROCHESTER—Rochester Tumbler Works (Water, Bitter, Beer)
ROYERSFORD — Diamond Glass Co. (Soda, Wine, Bitters. Druggists', Beer)
Newborn, W. H. & Co. (Prescription, Beer, Soda, Wine, Packers')
ST. MARYS—Pierce Glass Co. (Prescription, Beer, Soda, Wine, Brandy, etc.
SALTSBURG Flint Bottle Co. (Prescription, Medicine)
SHARPSBURG—Heinz, H. J. Co.
Tibby Bros. Glass Co. (Prescription, Beer, Soda, Wine, Packers")
SHEFFIELD—Sheffield Glass Bottle Co. (Prescription, Wine, Beer, Soda, Brandy, Packers' & Preservers')
SHINGLEHOUSE—Elk Flint Bottle Co. (Beer, Soda, Wine, Brandy, Preservers')
TARENTUM—Fidelity Glass Co. (Prescription, Druggists', Preservers'
Flaccus, C. L. Glass Co. (Flint, Prescription & Druggists')
WASHINGTON — Hazel-Atlas Glass Co. (See Wheeling, W. Va.

SOUTH CAROLINA.

COLUMBIA—Carolina Glass Co. (Prescription, Beer, Soda, Wine, Brandy)

TENNESSEE.

CHATTANOOGA—Chattanooga Bottle & Glass Mfg. Co.

VIRGINIA.

ALEXANDRIA—Alexandria Glass Works (Beer, Soda, Wine, Brandy, Packers', Preservers')
Belle Pre Bottle Co.
Old Dominion Glass Co. (Prescription, Beer, Proprietary Medicine, Wine, Soda, Brandy, Packers')
Virginia Glass Co. (Beer, Wine, Soda, Brandy, Preservers', Proprietary Medicine, Packers')
MANCHESTER—Blair Glass Co. (Druggists' Chemists')

WASHINGTON.

BELLINGHAM—Bellingham Glass Co. (Prescription, Beer, Soda, Wine, Brandy, Proprietary Medicine)
SEATTLE—Seattle Glass Co.

WEST VIRGINIA.

CLARKSBURG — Hazel-Atlas Glass Co. (See Wheeling, W. Va.
FAIRMONT—Fairmont Bottle Co. (Beer, Wine, Soda, Brandy, Packers' & Preservers')
MANNINGTON—Mannington Glass Works Co. (Wide Mouth Machine Made Bottles)
MORGANTOWN—Wightman, S. R. Glass Co.
PADEN CITY — Duquesne Glass Co. (Beer, Soda, Wine, Brandy)
WELLSBURG—Wellsburg Glass & Mfg. Co. (Milk, Packers', Catsup)
Wellsburg Glass Co. (Packers', Preservers'-)
WHEELING—Central Glass Works (Prescription, Druggists')
Hazel-Atlas Glass Co. (Snuff, Catsup, Ink. Oil, Olive & Vaseline.) Works, Washington, Pa., & Clarksburg, W. Va.

WISCONSIN.

MILWAUKEE—Franzen, Wm. & Son (Inc.)

Bottles (Gutta Percha)

Bishop Gutta Percha Co., 422 E 25th, New York

Bottles (Paper)

American Paper Bottle Co., 221 N 23d, Phila., Pa.

Bottles (Rubber)

Rubber Products Co. (Water), Barberton, O.

Bottles (Steel)

Avery Stamping Co. (5-8 inch to 1 inch Thick), Cleveland, O.

Bottles (Vacuum)

American Electrical Novelty & Mfg. Co., 308 Hudson, New York
American Thermos Bottle Co., 31 Washington, Brooklyn, N. Y.
Caloris Mfg. Co., Allegheny av, Phila., Pa.
H. & C. Bottle Co., 652 B'way, New York
Icy Hot Bottle Co., Cincinnati, O.

Bower Barffed Work

CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
Chicago Hardware Co., North Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)

Bowling Alley Builders

American Box Ball Co., 1628 Van Buren, Indianapolis, Ind.
Brunswick-Balke-Collendar Co., 130 E 6th, Cincinnati, O., & 229 4th av, New York
Crawford, McGregor & Canby Co., Dayton, O.
Dillingham, Wm. G., 42 South, New York
Ehler, H. E., 277 Washington, B'klyn, N. Y.
Harrison, A. H. & Son, Seattle, Wash.
Matthews-Fahl Mfg. Co. ("Boy-Less"), 217 N 2d, St. Louis, Mo.
Narragansett Machine Co., Providence, R. I.
Stevens, B. A. Co. (Sectional), Toledo, O.
Zeliff, J. E., Kearny, N. J.

Bowling Alley Supplies

McMillan's, W. H. Sons, 153 South, New York

*Bowls (Ladle)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Bowls (Cream Separator)

KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)

Box Anchor & Timber Caps

(See also Hangers, Joist)

CHAMPION IRON CO, Kenton, O. (See adv. index, end of book)
Goetz Box Anchor Co., New Albany, Ind.
RIESECK, P. (Wrought Iron), Allegheny, Pa. (See adv. index, end of book)
Van Dorn Iron Works Co., Cleveland, O.

Box Board Mfrs.

American Straw Board Co., Old Colony bldg. Chicago, Ill.
Beloit Box Board Co., Beloit, Wis.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Mac-Sim-Bar Paper Co., Otsego, Mich.
Madison Board & Paper Mfg. Co., Madison, Ind.
Naubuc Paper Co., Glastonbury, Conn.
New Haven Pulp & Board Co., New Haven, Conn.
Ramage, Jas. Paper Co., Monroe Bridge, Mass.
Tonawanda Board & Paper Co., Tonawanda, N.Y.
United Box Board & Paper Co., 111 B'way,
Uncas Paper Co., Norwich, Conn. New York
Western Straw Board Co., St. Marys, O.

Box Machinery

(See Machinery, Box Makers')

Box Nailing Machines

(See Machines, Box Nailing)

Box Scrapers

(See Scrapers, Box & Plumbers')

Box Shooks

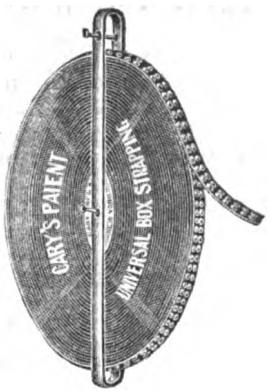
(See Shooks, Box)

Box Stands (Annealing)

Leetonia Boiler Co., Leetonia, O.

Box Straps

ACME STEEL GOODS CO. ("Acme" Embossed, Flat, Barbed & Twisted Wire), 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)



Cary's Universal Box Strap

THE STRAP WITH THE "NAME"
THE KIND IT PAYS TO HANDLE

OUR STRAPPING HAS ACQUIRED AN ENVIABLE FAME, AND WE ARE PREPARED TO UPHOLD ITS NAME.

A Continuous Metal Strap with a series of Raised Bosses along the edges to strengthen it and to protect Nail Heads.
On every reel we put our Patent Metal Reel Frame as illustrated.
Put up in coils 300 feet in length and packed in cases containing 20 reels each.
Made in four widths—½, ⅝, ¾ and ONE INCH. Patented in all countries.

CARY MANUFACTURING COMPANY

19 and 21 ROOSEVELT ST., NEW YORK

American Box Strap Co. (Duplex), 501 W B'way, New York
AMERICAN STEEL & WIRE CO. (Steel), Commercial National Bank bldg, Chicago, Ill. (See index & branch offices, end of book)
Buffalo Specialty Co. ("Neverbreak," Box Binding), Buffalo, N. Y.
CARY MFG. CO. ("Cary's" Universal & Wire Box Strapping Box Corner Fasteners & Clutch Nails), 19 Roosevelt, New York. (See adv. index, end of book)
Crescent Metal Strap Co., 390 Canal, New York
De Haven Mfg. Co. ("Trojan" Steel & Iron), 153 Furman, Brooklyn, N. Y.
Independent Steel & Wire Co., Pittsburg, Pa.
Robertson, W. F., Steel & Iron Co. ("Economy," "Sampson"), Cincinnati, O.
Twisted Wire Box Strap Co. (Twisted Wire), 451 Greenwich, New York

Boxes (Annealing)

Anderson Foundry & Machine Works (Wrought Iron), Anderson, Ind
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Leetonia Boiler Co., Leetonia, O.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
McNeil, Jas. & Bro. Co., 29th & A. V. Ry., Pittsburg, Pa.
Meehan Boiler & Constr. Co., Lowellville, O.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
National Mfg. Co., N S, Pittsburg, Pa.
National Wrought Iron Annealing Box Co., Anderson, Ind.
Pollock, Wm. B. Co., Youngstown, O.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co., 56 Water, Pittsburg, Pa., & 111 B'way, New York
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND Co. (Also Case-Hardening), 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Union Steel Casting Co. ("Union" Truss Supported Roof One-Piece Cast Steel), Pittsburg, Pa.
Warren City Tank & Boiler Co., Warren, O.
WILFONG BROS., 52d & Grays av, Phila., Pa. (See adv. index, end of book)

Boxes (Axle Grease)

Estes, E. B. & Sons, 74 Warren, New York
Michigan Barrel Co., Grand Rapids, Mich.

Boxes (Berry)

Baumeister, F. & Son, Rockwood, Mich.
Colby-Hinkley Co. (Baskets & Veneers), Benton Harbor, Mich.
Eaglesville Basket Works, Eaglesville, O.
South Side Mfg. Co., 114 Warren, New York
Wells-Higman Co., St. Joseph, Mich.

Boxes (Bosh)

(See Plates, Bosh)

*Boxes (Burglar Alarm)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)

Boxes (Cash)

Merriam Mfg. Co., Durham, Conn.
Miller Lock Co. (With Keyed Locks & Keyless Locks), 4523 Tacony, Phila., Pa.

Boxes (Charging, Open Hearth)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

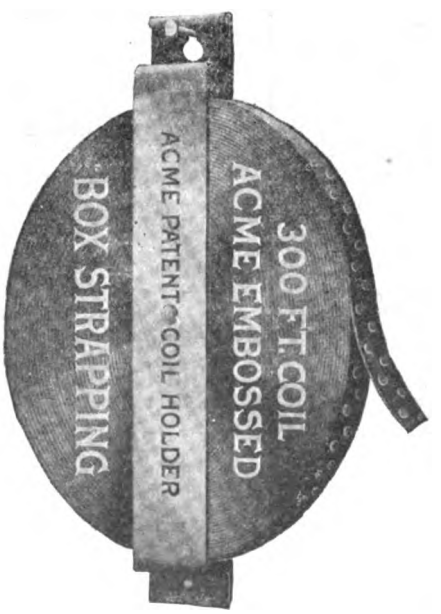
Stamp, C. E. & Co., Cleveland, O.
Variety Iron & Steel Works Co., Cleveland, O.

Boxes (Core, for Foundry Use)

Handy Core Box Co. ("Handy"), Brightwood, Springfield, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)

Boxes (Corrugated Paper)

Buffalo Box Factory (All Sizes), Buffalo, N. Y.





Box Straps Corner Irons Case Seals
Bale Ties Pail Clasps
Corrugated Fasteners

ACME STEEL GOODS CO., CHICAGO, ILL.

147 Lafayette Street NEW YORK CITY
Empire Bldg. ATLANTA

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*Boxes (Coupling, for Feeder Cable)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Boxes (Curb)

Campbell, J. B. Brass Works, Erie, Pa.
Eastwood Wire Mfg. Co. (& Key), Belleville, N.Y.
National Mfg. & Supply Co. ("National" for Water or Gas), Minneapolis, Minn.
Rumsey & Co. (Ltd.) (For Service Pipe), Senecas Falls, N. Y.

Boxes (District Call)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Gravity Electric Co., Milwaukee, Wis.
Herzog Teleseme Co., 137 W 23d, New York.
Pearce, Fred'k Co., 18 Rose, New York
Signalphone Alarm Co., Montgomery bldg, Milwaukee, Wis.
Viaduct Co., Relay Md.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Boxes (Dumping)

(See Wagon Dump Boxes)

Boxes (Electric Service)

Adams, F. Electric Co., St. Louis, Mo.
Andrae & Sons Co., Milwaukee, Wis.
Bonnell, Wm. A., 132 Church, New York.
Burns, Jas. F., 47 N Hutchinson, Phila., Pa.
Columbia Metal Box Co., 79 E 130th, New York
Connecticut Elec. Mfg. Co., Bantam, Conn.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Guilderland Foundry Co., Guilderland, N. Y.
Johns, H. W. Manville Co. ("Noark"), Arch & 32d, Phila., Pa.
Paiste, H. Y. & Co. ("Le Manquais"), Arch & 32d, Phila., Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila.,
Troy Electrical Co., Troy, N. Y. Pa.
Trumbull Electric Mfg. Co., Plainville, Conn.
WESTINGHOUSE ELECTRIC & MFG. Co., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Boxes (Express Messenger)

HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)

Boxes (Fare)

Brill, J. G. Co., Woodland av c 62d, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

Boxes (Fibre)

(See also Pails, Fibre)

AMERICAN VULCANIZED FIBRE CO. ("Laminar"), Wilmington, Del. (See adv. index, end of book)
Kemiweld Can Co. (Also Cans), Detroit, Mich.

Boxes (Fire Alarm Signal)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
EDWARDS & CO., 407 E 144th, New York. (See adv. index, end of book)
Hayward, B. F. & Co., 39 Park pl., New York
Signalphone Alarm Co., Montgomery bldg, Milwaukee, Wis.
Star Electric Co., Binghamton, N. Y.

Boxes (Floor Outlet)

Steel City Electric Co. ("Fullman," Watertight Electric), Pittsburg, Pa.

Boxes (Folding Paper)

American Folding Box Co., 150 Worth, New York
American Paper Box Co., Grand Rapids, Mich.
Atwood- Raven Co., 403 E 23d, New York
Boss, Wm. J. & Co., 1042 Ridge av, Phila., Pa.
Boehme & Rauch Co., Monroe, Mich.
Brown & Bailey Co., 410 N Franklin, Phila., Pa.
Chicago Folding Box Co., 241 Jefferson, Chicago, Ill
Conkey, W. B. Co. (Carton & Folding), Hammond, Ind.
Edwards Folding Box Co., 29 N 7th, Phila., Pa.
Empire Paper Tube & Box Co., 445 West, New
Gair, Robert, Brooklyn, N. Y. York
Housman, M., 338 B'way, New York
Munson & Co., New Haven, Conn.
National Folding Box & Paper Co., New Haven, Conn.
Russell R. Y. & Son Co., Chelsea, Mass.
St. Louis Paper Box Co., St. Louis, Mo.
Sefton, J. W. Mfg. Co., 1153 35th, Chicago, Ill.

Boxes (Folding & Knock Down, Shipping & Delivery)

Puffer-Hubbard Mfg. Co. (Made of Wood), Minneapolis, Minn.

Boxes (Fuse)

American Electric Fuse Co. ("American" Line), Muskegon, Mich.
American General Engineering Co. ("A. G. E." Quick Break), 253 B'way, New York
Brady, Thos. H. (Three Wire, etc.), New Britain, Conn.
Brodie Electric Co., Manchester, N. H.
Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill.
Columbia Machine Works & Malleable Iron Co., 209 Chestnut, Brooklyn, N. Y.
Columbia Metal Box Co., 79 E 130th, New York
Crouse-Hinds Electric Co., Syracuse, N. Y.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Hill, W. S. Electric Co., New Bedford, Mass.
Johns, H. W.-Manville Co. ("Noark" Fuse & Service Boxes), 100 William, New York
Lippincott Steam Specialty & Supply Co. ("Patten"), Newark, N. J.
Pass & Seymour, Solvay, N. Y.
Philadelphia Electric & Mfg. Co., 2011 Market, Phila., Pa.
Rolfe Electric Co., Rochester, N. Y.
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Troy Electrical Co., Troy, N. Y.

*Boxes (Fused Coupling, for Feeder Cables)

D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

*Boxes (Fused Subway)

D & W FUSE CO. ("D & W"), Providence, R. I. (See adv. index, end of book)

Boxes (Jack)

American Elec. Telephone Co., 64th and State, Chicago, Ill.
Garl Electric Co., Akron, OO.
Matthews, W. N. & Bros ("Lima"), 205 N 2d, St. Louis, Mo.
Standard Telephone Mfg. Co. ("Standard"), Portsmouth, O.

Boxes (Journal)

American Car & Foundry Co., St. Louis, Mo., & 25 Broad, New York
Anti-Friction Journal Box Co. (Boiler Bearing Anti-Friction), Los Angeles, Cal.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Benton Harbor Malleable Foundry Co. ("Rogers" Dust Proof), Benton Harbor, Mich.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Chester Steel Casting Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Chickasaw Iron Works, Memphis, Tenn.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Davis Solid Truss Brake Beam Co., Wilmington, Del.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Filer & Stowell Co., Milwaukee, Wis.
Gould Coupler Co. ("Gould" Malleable Iron), 345 5th av, New York
Great Western Mfg. Co., Leavenworth, Kan.
Hewitt Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Illinois Car & Equipment Co., Old Colony bldg, Chicago, Ill.
Jones, E. D. & Sons Co., Pittsfield, Mass.
Kansas City Railway Foundry Co. ("Rogers"), Kansas City, Kan.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Kingsland-Kay-Cooke Mfg. Co., Mullanphy & 11th, St. Louis, Mo.
Kirby Equipment Co., Railway Ex, Chicago, Ill.
Leffel, Jas. & Co. (Inc.), Springfield, O.
McCord & Co. ("McCord" Malleable Iron for Railroads), Old Colony bldg, Chicago, Ill.
Nordyke & Marmon Co. (Ball & Socket), Indianapolis, Ind.
Ohio Brass Co., Mansfield, O.
Ohio Brass Foundry, 209 Lawrence, Cincinnati, O.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Railway Appliances Co., Old Colony bldg, Chicago, Ill.
Symington, T. H. Co. ("Symington"), Baltimore, Md.
Taylor Electric Truck Co., Troy, N. Y.
Trump Mfg. Co., Springfield, O.
Union Spring & Mfg. Co. ("Kensington" All-Steel), Pittsburg, Pa.

Boxes (Junction or Outlet)

Adam, Frank Electric Co. (Floor & Wall), St. Louis, Mo.
Advance Mfg. Co. ("Heinz"), Pittsburg, Pa.
Andrews & Johnson Co., 240 Washington boul, Chicago, Ill.
Appleton Electric Co. ("Unilets"), 224 Washington, Chicago, Ill.
Benjamin Elec. Mfg. Co. (Waterproof), 40 W Jackson boul, Chicago, Ill.
Bossert Electric Cons. Co. (Steel), Utica, N. Y.
Brady, T. H., New Britain, Conn.
Burns, Jas. F., 47 N Hutchinson, Phila., Pa.
Chase-Shawmut Co. ("Knockout"), Newburyport, Mass.
Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill.
Clarke & Coulan, 27 Thames, New York
Columbia Metal Box Co., 79 E 130th, New York
Connecticut Elec Mfg. Co., Bantam, Conn.
Cook, Frank B., 240 W Lake, Chicago, Ill.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
Dean S. & Co., Boston, Mass.
Electric Fittings Co. ("Hunt," Floor), Trumansburg, Pa.
Electric Mfg. Co., New Orleans, La.
Electric Supply & Construction Co. (Floor Only), Columbus, O.
Fountain, Jno. J., Jr. ("Gem," Floor Only), 29 Murray, New York
Frantzen, Arthur Co., 92 W Van Buren, Chicago, Ill.
Garrett, Miller & Co., Wilmington, Del.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gleason, John L. ("Fancleve" for Exposed Conduits), Jamaica Plains, Boston, Mass.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Irish W. F. Elec. Co. ("Shamrock"), 60 Cortlandt, New York
Krantz, H. Mfg. Co. ("De Rycke"), 160 7th, Brooklyn, N. Y.
Lang, J. Electric ("Quixet," Floor), 116 N Lincoln, Chicago, Ill.
Lord Electric Co. ("Knickerbocker," Floor), 218 W 40th, New York
McCarthy Bros. & Ford, 41 Eagle, Buffalo, N.Y.
Machen & Myer Elec. Co. ("M. & M."), 12th & Buttonwood, Phila, Pa.
Myers Electric Co. ("Boxet"), Syracuse, N. Y.
New England Machine & Electric Co., Pawtucket, R. I.
Pass & Seymour, Solvay, N. Y.
Pratt Chuck Co., Frankfort, N. Y.
Pringle Electrical Mfg. Co., 1906 N. 6th, Phila., Pa.
Protective Electrical Supply Co., Fort Wayne, Ind.

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Benim Specialty Co. ("Benim" Conduit Boxes for Cleat Wiring, etc.), Brighton, Boston, Mass.
Bobb & Blackmer, Boston, Mass.
Russell & Stoll Co. (Floor Only), 48 Cliff, New York
Seidler & Miner Electric Co. (Marine), Detroit, Mich.
Sprague Electric Co. (Universal), 529 W 34th, New York
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Stanley & Patterson ("Simplex." Floor), 23 Murray, New York
Steel City Electric Co. ("Fullman" Electric, "Flexbox" Steel), Pittsburg, Pa.
Steeker Elec. & Machine Co., Detroit, Mich.
Thomas & Betts Co. ("Metzger"), 299 B'way, New York
Ward, Leonard Electric Co., Bronxville, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Zenco Electrical Supply Co. ("Chicago," Floor), 92 Van Buren, Chicago, Ill.

Boxes (Litho Metal)

American Can Co., 447 W 14th, New York
American Stopper Co., 19 Verona, B'klyn, N. Y.
Buckeye Stamping Co., Columbus, O.
Burdick & Son, Albany, N. Y.
Columbia Can Co., Madison, 1st & 2d, St. Louis, Mo.
Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.
Eastern Machine & Stamping Co., Providence, R. I.
National Can Co., Detroit, Mich.
Taite & Sisler Co., 12th & Catharine, Phila., Pa.

Boxes (Lock)

Clark, W. J. Co., Salem, O.
Corbin Cabinet Lock Co., New Britain, Conn.
Miller Lock Co., 4523 Tacony, Phila., Pa.
Yale & Towne Mfg. Co., 9 Murray, New York. Works, Stamford, Conn.

Boxes (Lock Corner)

AMERICAN CRAYON CO. (Basswood), Sandusky, O. (See adv. index & branch offices, end of book)
Bogert & Hopper, 162 William, New York
Butts, Chas. G. Co., N Tonowanda, N. Y.
Connecticut Box Co., New Haven, Conn.
Estes, E. B. & Sons, 74 Warren, New York
Green, A. H. Co., 97 Warren, New York
Hart, Dow, Jr., Marlboro, N. H.
Page, Geo. G. Box Co., Cambridge, Mass.
Schutz Bros., 71 W B'way, New York
Sheip, Hy. H. Mfg. Co., 529 Columbia av, Phila., Pa.
Tellner's, Chas. Sons Co., Pulaski, N. Y.
Le Barron, S. T., 131 Border, E. Boston, Mass.
New England Box Co., Greenfield, Mass.
New Haven Mills Mfg. Co., New Haven Mills, Vt.

Boxes (Locomotive Driving)

Keystone Bronze Co., 38th & A. V. ry, Pittsburg, Pa.

Boxes (Mail)

Barber Mfg. Co., Ashtabula, O.
BUNNELL, J. H. & CO. (For Apartment Houses, etc.), Park pl. & Church, New York. (See adv. index, end of book)
Climax Lock & Ventilator Co. ("Climax"), 640 Ellicott sq., Buffalo, N. Y.
Corbin Cabinet Lock Co. (Apartment House & Office Letter Boxes), New Britain, Conn.
Dudfield & Klepper ("D. & K."), Lathrop, Mo.
Forest City Foundry & Mfg. Co. ("Standard"), Cleveland, O.
Griswold Mfg. Co., Erie, Pa.
Heise, Wm. F. Mfg. Co. ("XX Century"), 61 Union Park ct, Chicago, Ill.
Home Specialty Co. (Galvanized Iron), Lorain, O.
Manhattan Electrical Supply Co., 17 Park pl, New York
Michigan Steel Box Co. (Steel Boxes), Adrian, Mich.
Nicol & Co., 60 N Jefferson, Chicago, Ill.
Northwestern Mail Box Co. ("Carriers' Friend"), 5029 McKissock av, St. Louis, Mo.
Partrick, Carter & Wilkins, 22d & Wood, Phila., Pa.
Peck, C. A. Hardware Co. (Rural), Berlin, Wis.
Phelps & Sons, 110 Pennington, Newark, N. J.
Phoenix Hardware Mfg. Co., Hower, N. Y.
Purcell, N. F. & Co., 232 S Clinton, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Tatum, Samuel C. Co., Cincinnati, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Union Equipment & Bronze Co., 1901 Park av, New York
Walsh, Owen Mfg. Co., 78 Barclay, New York
Wilhelm, Henry, 70 Frost, Brooklyn, N. Y.
Yale & Towne Mfg. Co., 9 Murray, New York; Works: Stamford, Conn.

Boxes (Manhole Junction)

GENERAL ELECTRIC CO., Schenectady, N. Y.; & 30 Church, New York. (See adv. index & branch offices, end of book)
Standard Underground Cable Co., Pittsburg, Pa.

Boxes (Meter)

Brady, T. H. (For Sealing Wires After Meter is Removed), New Britain, Conn.
Clark, H. W. Co., Mattoon, Ill.

Boxes (Miners' Squib)

Anton, Geo. & Bro., Monongahela, Pa.

Boxes (Mitre)

Braunsdorf-Mueller Co. ("Dorn" Revolving), Elizabeth, N. J.
Dosch Mfg. Co. ("Improved Union"), Bridgeport, Conn.
Doscher Plane & Tool Co., Saugatuck, Conn.
Goodell Mfg. Co. (Bessemer Steel), Greenfield, Mass.
Langdon Mitre Box Co. ("Langdon Acme"), Millers Falls, Mass.
McCarty, J. C. & Co. ("Victor" Folding), 21 Murray, New York
McFarlan & Spiker Mfg. Co. ("Excelsior" & "Spelter"), Cincinnati, O.
Macomber Mfg. Co. (Revolving), Plainfield, Ind.
Marsh, H. C. Co. ("Marsh-Langdon"), Rockford, Ill.
Millers Falls Co. ("Langdon," "Star"), 28 Warren, New York; Works: Millers Falls, Mass.
Nichols Mfg. Co., Ottumwa, Iowa
Schatz Mfg. Co., Chappaqua, N. Y.
Seymour & Whittlock ("S. & W."), Newark, N. J.
Smith & Hemenway Co. ("Seavey"), 108 Duane, New York
Stanley Rule & Level Co. ("Stanley"), New Britain, Conn.
Stearns, E. C. & Co. ("Stearns" Folding), Syracuse, N. Y.
Tower & Lyon Co. ("The Perfection"), 95 Chambers, New York

Boxes (Outlet or Junction)

(See Boxes; Junction)

Boxes (Muffle)

Bethlehem Foundry & Machine Co. (For Chemical Mfg. etc.), Front, South Bethlehem, Pa.

Boxes (Outlet, for Steel Armored Cables)

Steel City Electric Co. ("Flexbox"), Pittsburg, Pa.

Boxes (Packing)

(See Packing Box Manufacturers)

Boxes (Paper, Metal Edge)

National Metal Edge Box Co., 8th c Willow, Philadelphia, Pa.

*Boxes (Paper Shipping)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Boxes (Patrol)

American Steel House Co., 798 11th av, New York

Boxes (Plumbers' Grease, Rosin, Etc.)

Johnson, Wm. (Hedenberg Works), Newark, N. J.

Boxes (Post Office Lock)

Yale & Towne Mfg. Co., 9 Murray, New York

Boxes (Quarry Dump)

Steam Stone Cutter Co. (For Quarry Waste, etc.), Rutland, Vt.

Boxes (Resistance)

(See Rheostats)

Boxes (Rural Mail)

Blick-Williams Co., Indianapolis, Ind.
Briscoe Mfg. Co., Detroit, Mich.
Bushnell Tank Works, Bushnell, Ill.
Century Post Co., Tecumseh, Mich.
Dairymen's Mfg. Co. ("Dandy"), Jersey City, N. J.
Deshler Mail Box Co. ("Deshler"), Deshler, O.
Hawkeye Pump Co. ("Hawkeye"), Washington, Ia.
Hessler, H. E. Co. ("Hessler"), Syracuse, N. Y.
Kelly Foundry & Machine Co., Goshen, Ind.
Kelly Mfg. Co., Waterloo, Iowa
Peck, C. A. Hardware & Mfg. Co. ("Gem"), Berlin, Wis.
Welch Co., Nankin, O.

*Boxes (Safe Deposit)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Boxes (Sand)

(See also Locomotive Sanders)

American Locomotive Sander Co., 13th & Willow, Phila., Pa.
Brill, J. G. Co. ("Dumpit"), Phila., Pa.
Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
Dayton Mfg. Co. ("Simmons-Moore"), Dayton, O.
De Witt Sand Box Co. ("Common Sense," "Simplex"), Troy, N. Y.
Duner Co., 116 S Clinton, Chicago, Ill.
Electric Heated Sand Box Co. ("Bacon & Callahan"), Boston, Mass.
Knecht, Victor Co. ("Robinson"), Cincinnati, Ohio
Lebanon Electric Co. ("Eureka"), Lebanon, Pa.
Nolty & Co. ("Lancaster"), Lancaster, Pa.
Ohio Brass Co. ("Universal" Air Sander), Mansfield, O.
Positive Railway Sander Co., Lancaster, Pa.
Ridlon, Frank Co. ("Kilbourn"), 251a Boston, Mass.
Sterling-Meaker Co., 420 Ogden, Newark, N. J.
Trojan Button Fasteners Co. ("Ham"), Troy, N. Y.
Vogan Bros. Mfg. Co., New Castle, Pa.

Boxes (Seamless Tin)

Buckeye Stamping Co., Columbus, O.
Rumrill & Co., 52 Purchase, Boston, Mass.

Boxes (Shafting)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Cresson, George V. Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Filer & Stowell Co., Milwaukee, Wis.
Hunt, Rodney Machine Co., Orange, Mass.
Hutchinson, Jno. Mfg. Co. (Roller Bearing Drop Hanger & Post Box), Jackson, Mich.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Medart Patent Pulley Co., St. Louis, Mo.
Sellers, Wm. H. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Union Iron Works Co., San Francisco, Cal.
Wood's T. B. Sons Co., Chambersburg, Pa.

Boxes (Shelf Hardware)

Green, A. H. Co. (Interchangeable Lock Corner), 97 Warren, New York
Heller, W. C. & Co. (Varnished Oak Fronts), Montpelier, O.

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Jones, Jesse Paper Box Co. (Wood), 615 Commerce, Philadelphia, Pa.
Moore, C. P., Ravenswood, W. Va.
Phillips, A. J. Co. (Track, Nail, etc.), Fenton, Mich.

Boxes (Sprue)

Sterling Wheelbarrow Co. ("Sterling" Steel), Milwaukee, Wis.

Boxes (Starting)

(See Rheostats)

*Boxes (Steel, Seamless Cold Pressed)

KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)

Boxes (Stoneware)

Graham, Chas. Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.

Boxes (Stuffing)

Crane Co., (Est. 1855) (Brass), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
National Tube Co. (Brass), Pittsburg, Pa.

Boxes (Switch)

Burns, Jas. F., 47 N Hutchinson, Phila., Pa.
Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill
Colgan, W. H. Co. ("Rex"), West Newton, Mass.
Columbia Metal Box Co., 79 E 130th, New York
Cutter Electrical & Mfg. Co. ("Munit"), 19th & Hamilton, Phila., Pa.
Fountain, Jno., Jr., 29 Murray, New York
Gleason, John L. ("Fancleve" for Exposed Conduits), Jamaica Plains, Boston, Mass.
HART MFG. CO. ("Diamond H"), Hartford, Conn. (See adv. index & branch offices, end of book)
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
Harvard Electric. Co., 60 W Van Buren, Chicago, Ill.
Holabird-Reynolds Elec. Co., Los Angeles, Cal.
Lyon Metallic Mfg. Co., Aurora, Ill.
Krantz, H. Mfg. Co., 160 7th, Brooklyn, N. Y.
Machen & Mayer Electrical Mfg. Co., 12th & Buttonwood, Phila., Pa.
Marshall Electric Mfg. Co. ("M-S," "Allinone"), Boston, Mass.
Myers Electric Co. ("Boxet"), Syracuse, N. Y.
Nottingham, Wm. M., Syracuse, N. Y.
Ostrander & Co., 22 Dey, New York
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co. ("Renim" for Use with Rigid or Flexible Metallic Conduit, etc.), Brighton, Boston, Mass.
Rice, Geo. H. Co. ("Hol-Ken"), 481 Sterling pl, Brooklyn, N. Y.
Steel City Electric Co., Pittsburg, Pa.
Thomas & Betts Co. ("Toler"). 299 B'way, New York
Trumbull Elec. Mfg. Co., Plainville, Conn.

*Boxes (Switch, Fused Service)

D & W FUSE CO. ("D & W"), Providence, R. I. (See adv. index, end of book)

Boxes (Take Up)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Chain Belt Co., Milwaukee, Wis.
Diamond Iron Works, Minneapolis, Minn.
Dodge Mfg. Co., Mishawaka, Ind.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
Strait, H. N., Kansas City, Mo.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Boxes (Telephone)

(See Woodwork, Electrical; also Telephone Cabinet Work)

Boxes (Telephone Toll)

Baird Mfg. Co., 1592 N Halsted, Chicago, Ill.
Graeber-Entrikin Mfg. Co. ("Invincible"), 1116 Chestnut, Phila., Pa.
Gray Telephone Pay-Station Co., Hartford, Conn.
Turner Brass Works ("Telometer"), Franklin & Michigan, Chicago, Ill. Works: Sycamore, Ill.
United States Coin Register Co., Toledo, O.

*Boxes (Ticket Cancelling)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Boxes (Tote, Sheet Steel)

Avery Stamping Co., Cleveland, O.
Clark, W. J. Co., Salem, O.
Cleveland Wire Spring Co., Cleveland, O.
Globe Machine & Stamping Co., Cleveland, O.
Heller, W. C. & Co. (For Dies, Bolts, Nuts, Screws, etc.), Montclair, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Keighley, S. Metal Ceiling & Mfg. Co., 324 Locust, Pittsburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lyon Metallic Mfg. Co., Aurora, Ill.
McClintock & Irvine Co., Neville & P. R. R., Pittsburg, Pa.
Ohio Ceramic Engineering Co., Cleveland, O.
Ohio Galvanizing & Mfg. Co., Niles, O.
Ohio Mfg. Co., Painesville, O.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Sterling Wheelbarrow Co., Milwaukee, Wis.
Terrell's Equipment Co., Grand Rapids, Mich.
Wall, P. Mfg. Supply Co., Allegheny, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Boxes (Transformer)

KEIM, JNO. R. MILLS (Inc.) (Cold Drawn Steel), Buffalo, N. Y. (See adv. index, end of book)

Boxes (Turned Wood)

(See also Boxes, Lock Cornered; also Wood Novelties, Turned)

Estes, E. B. & Sons (Also Lock Cornered & Fancy Hardwood), 74 Warren, New York
Schutz Bros., 71 W B'way, New York
Shelp, H. H. Mfg. Co., 529 Columbia av, Philadelphia, Pa.

Boxes (Twine)

Landers, Frary & Clark, New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Tatum, Samuel C. Co., Cincinnati, O.

Boxes (Valve & Service)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bourbon Copper & Brass Works (Extension Service, etc.), Cincinnati, O.
Builders' Iron Foundry ("Stacy" Extension Service), Providence, R. I.
Campbell, J. B. Brass Works, Erie, Pa.
CANTON FOUNDRY & MACHINE CO. (Adjustable), Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
CENTRAL FOUNDRY CO. ("Buffalo" & "Phoenix" Pattern), 37 Wall, New York. (See adv. index, end of book)
Clow, Jas. B. & Sons, 344 Franklin, Chicago.
Clymer Machinery Co., Greensboro, N. C. Ill.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Drummond, M. J. & Co., 182 B'way, New York
Frost's, J. D. Sons Mfg. Co., Towanda, Pa.
Hays Mfg. Co. (Extension Service), Erie, Pa.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Kennedy Valve Mfg. Co. (Extension Valve), Elmira, N. Y.
Loetzer Valve & Mfg. Co. ("Loetzer" Extension Street), Monroeton, Pa.
Modern Iron Works ("Peerless," Adjustable, Stop-Cocks), Quincy, Ill.
Bignall Service Co., Decatur, Ill.
Mueller, H. Mfg. Co.

Pittsburg Mfg. Co., 28th & Railroad, Pittsburg, Pa.
Rensselaer Mfg. Co., Troy, N. Y.
South Park Foundry & Machine Co., St. Paul, Minn.
Taylor, W. P. Co., 218 Ellicott sp., Buffalo, N. Y.
Vogan Bros. Mfg. Co., New Castle, Pa.
Wood, R. D. & Co. (Adjustable), 400 Chestnut, Philadelphia, Pa.

Boxes (Wall)

BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Cresson, Geo. V. Co., 18th & Allegheny av, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Lanz, M. & Sons (Steel), 101 S 29th, Pittsburg, Pa.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)

Boxes (Waste)

Clark, W. J. Co., Salem, O.
Ely & Williams Co. (Individual), 257 B'way, New York
Hall Mfg. Co. ("Hall's"), John & Cliff, New York
KOVEN, L. O. & BRO. (Iron), 50 Cliff, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co. (Iron), Aurora, Ill.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Braces (Cross Arm)

(See also Cross Arms, Brackets, Etc., Steel)

Aetna Nut Co., Southington, Conn.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Anderson, W. H. Tool & Supply Co., 14 Mascomb, Detroit, Mich.
Bissell, F. Co. ("Security"), Toledo, O.
Buffalo Steel Co. (Stiff Bessemer Steel), Tonawanda, N. Y.
Cleveland Galvanizing Works Co., Cleveland, Ohio
Creaghead Engineering Co., Cincinnati, O.
FOREST CITY STEEL & IRON CO., Cleveland, O. (See adv. index, end of book)
Grabler Mfg. Co., Cleveland, O.
Hallett Iron Works, 96 W Polk, Chicago, Ill.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Hubbard & Co., Pittsburg, Pa.
Inland Steel Co. (Bessemer Steel), First Nat'l Bank bldg, Chicago, Ill.
Lanz, Matthew & Sons, Pittsburg, Pa.
McCance Bros. Co. (Plain & Galvanized), Pittsburg, Pa.
Meckel, Fred. L., 83 E 13th, Chicago, Ill.
Michigan Bolt & Nut Works, Detroit, Mich.
Ohio Brass Co., Mansfield, O.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Schafer Construction Material Co., 136 Liberty, New York

*Braces (Ladder Elevator with Platform)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

*Braces (Ladder Foot)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Braces (Pole Arm)

(See Braces, Cross Arm)

Braces (Sewer)

(See Sewer Braces)

Brackets

American Foundry & Mfg. Co. (Plumbers, Shelf, etc.), 11th & Hebert, St. Louis, Mo.
American Pin Co. (Brass, Lavatory, Tank, etc.), Waterbury, Conn.
Atlas Mfg. Co. (Shelf), New Haven, Conn.
Barber Mfg. Co. (Plumbers' Adjustable, Nickeled, etc.), Ashtabula, O.
Barnes Mfg. Co. (Plumbers, etc.), Mansfield, O.

Berger, B. A. Mfg. Co. (Steel Sink), Richmond, Va.
Buckley-Hart Mfg. Co. (Lavatory), 527 Franklin, Detroit, Mich.
Campbell Mfg. Co. (Extension Sink), Gadsden, Ala.
Casey-Hedges Co. (Sink), Chattanooga, Tenn.
Cassady-Fairbank Mfg. Co. (Bath Room), 6106 La Salle, Chicago, Ill.
CENTRAL FOUNDRY CO. (Sinks also Extension Sink, Adjustable), 37 Wall, New York. (See adv. index, end of book)
Edwardsville Brass Co. (Iron, Steel & Brass), Edwardsville, Ill.
Glenn Mfg. Co. (Plumbers Sink), St. Charles, Ill.
Grabler Mfg. Co. (Soil Pipe, etc.), Cleveland, Ohio
Griffin Mfg. Co. (Lavatory, Sink & Flush, Tank, etc.), Erie, Pa.
Haines, Jones & Cadbury Co. (Plumbers), 1136 Ridge av, Phila., Pa.
Ideal Mfg. Co., Detroit, Mich.
Ireland & Matthews Mfg. Co. (For Plumbers' Tanks), Detroit, Mich
Kilbourne & Jacobs Mfg. Co. (Steel Sink), Columbus, O.
Kupferle, John C. Foundry Co. (Sink, Tank, etc.), St. Louis, Mo.
Lelance & Grosjean Mfg. Co. (Plumbers), 299 B'way, New York
Lipp, Louis Co. (Closet Tank), Winton pl, Cincinnati, O., & 120 High, Boston, Mass.
McCambridge & Co. (Plumbers'), 815 N 20th, Philadelphia, Pa.
McDonald, A. Y. & Morrison Mfg. Co. ("Diamond" Plumbers), Dubuque, Ia.
McKinney Mfg. Co. (Shelf), Allegheny, Pa.
Mack Iron Works Co., Sandusky, O.
Modern Iron Works (Cast Iron Sink), Quincy, Ill.
Mott, J. L. Iron Works, 118 5th av, New York
Mullaney's, Jas. Son (Plumbers, Brass, Basin & Cistern), 25th c Lexington av, New York
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Northwestern Foundry & Supply Co. (Sink), Detroit, Mich.
Ohio Brass & Iron Mfg. Co. (Plumbers'), Cleveland, O.
Ohio Foundry Co. (Sink), Dayton, O.
Park & McKay Co., Detroit, Mich.
Peck, Stow & Wilcox Co. (Shelf), Southington, Conn.
Penn Hardware Co. (Plumbers' & Shelf, Cast & Wrought Steel), Reading, Pa.
Phoenix Hardware Mfg. Co. (Plumbers'), Homer, N. Y.
Piqua Bracket Co. ("Baines" Patent Adjustable), Piqua, O.
Reading Hardware Co. (Iron Shelf & Screen Door), Reading, Pa.
Rumsey & Co. (Ltd.) (Adjustable Sink, etc.), Seneca Falls, N. Y.
Sanitary Co. (Plumbers, "Paragon" Brass), Cleveland, O.
STANLEY WORKS (Wrought Steel Shelf), New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co. (Plumbers' & Shelf), Freeport, Ill.
Stowell Mfg. & Foundry Co. (Plumbers'), S Milwaukee, Wis.
Swett, A. L. Iron Works (Sink), Medina, N. Y.
TURNER & SEYMOUR MFG. CO. (Curtain Pole & Rod), Torrington, Conn. (See adv. index, end of book)
Wells Light Mfg. Co. ("Wallwork's Universal" Electric Lamp), Jersey City, N. J.
Wolverine Brass Works (Lavatory), Grand Rapids, Mich.
Wrightsville Hardware Co. (Shelf, Plumbers, etc.), Wrightsville, Pa.
Young, Joseph H. ("Boston" Adjustable, for Tray & Sink), 80 High, Boston, Mass.

Brackets (Arc Lamp)

Ajax Line Material Co. ("Jonie," "Mitre"), 12 S Jefferson, Chicago, Ill.
American Electric Construction Co., 138 Washington, Chicago, Ill.
Cutter, Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Mott, J. L. Iron Works, 118 5th av, New York
Tea Tray Co., Newark, N. J.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wheeler Reflector Co., Boston, Mass.

Brackets, Cross-Arms, Etc.

(See Brackets, Trolley Pole; also Cross-Arms, Brackets, Etc.)

Brackets (Curtain Pole)

BAY STATE STAMPING CO. ("Bennett," Adjustable), 380 Chandler, Worcester, Mass. (See adv. index, end of book)
Judd, H. L. & Co., 87 Chambers, New York
Metal Mfg. Co., New Haven, Conn.
Mott Iron Works, 118 5th av, New York
Nelson, N. O. Mfg. Co., St. Louis, Mo.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of Wire Goods Co., Worcester, Mass. book)

Brackets (Desk Telephone)

American Electric Telephone Co. ("Burns"), 64th & State, Chicago, Ill.
Chicago Writing Machine Co. ("Adjustaphone"), Galesburg, Ill.
Connecticut Tel. & Electric Co., Meriden, Conn.
Cook, Frank B., 240 W Lake, Chicago, Ill.
DeVeau Telephone Mfg. Co. ("Victor"), 476 18th, Brooklyn, N. Y.
Fox-Borden Mfg. Co. ("Phone-Eze"), 27 Thames, New York
Holtzer-Cabot Electric Co., Brookline, Mass.
K.-B. Co. ("Ben-bow"), 38 S 6th, Phila., Pa.
Lee Electric Co. ("Davis," "Calvert," Adjustable), 219 N Calvert, Baltimore, Md.
McCluney, Sam'l C. ("Hamilton"), St. Louis, Mo.
Melink Mfg. Co., Toledo, O.
Novelty Electric Co., 50 N 4th, Phila, Pa.
Oliver Mfg. Co. ("Equipoise," "Ad-A Link"), 1020 Walnut, Phila., Pa.
Schofield & Co., 150 Nassau, New York.
Stanley & Patterson ("Imperial"), 23 Murray, New York
Swedish-American Telephone Co., 1760 E Ravenswood pk, Chicago, Ill.
Warner Electric Co. (Oxodized Finished), Muncie, Ind.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm Telephone Mfg. Co., Buffalo, N. Y.

Brackets (Electric House)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.
Brady, T. H., New Britain, Conn.
Cutter, Geo. Co., South Bend, Ind.
Electrical Construction Supply Co. ("Chubbuck"), Springfield, O.
Fletcher Mfg. Co., Dayton, O.
Hallett Iron Works, 96 W. Polk, Chicago, Ill.
Hartford Electric Co., 60 W Van Buren, Chicago, Ill.
Metal Finishing Co. ("Beardsley"), Union City, Conn.
Morris, Elmer P. Co., 72 Trinity pl, New York
Pierce Specialty Co., Elkhart, Ind.
Spencer's, I. S. Sons, Guilford, Conn.

Brackets (Flag Pole)

Hart, Walter, 111 Chambers, New York
Metal Finishing Co., Union City, Conn.
Wilcox, Crittenden & Co., Middletown, Conn.
Wrightsville Mardware Co., Wrightsville, Pa.

Brackets (Folding Scaffold)

Celebrated Scaffold Bracket Co. (Scaffold), 647 6th av, Milwaukee, Wis.
Moulton, C. W. & Co., Somerville, Mass.

Brackets (Folding Shelf)

Griffin Mfg. Co. (Pressed Steel), Erie, Pa.

Brackets (Hand & Foot Rail)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co., Freeport, Ill.
Cheney, S. & Son, Manlius, N. Y.
Glenn Mfg. Co. (Counter Rail), St. Charles, Ill.
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Norwalk Lock Co., S Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Pratt, Wm. E. Mfg. Co. (Hand Rail), 91 Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Stearns, E. C. & Co., Syracuse, N. Y.
Union Equipment & Bronze Co., 1901 Park av, New York
Western Brass Mfg. Works, 21st & Rockwell, Wilcox Mfg. Co., Aurora, Ill. Chicago, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

*Brackets (Ladder Platform)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

*Brackets (Ladder Scaffold)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Brackets (Rafter)

London Machinery Co., Fairfield, Iowa.
Myers, F. E. & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Pratt, Wm. E. Mfg. Co., 91 Lake, Chicago, Ill.

Brackets (Roof)

Coldwater Specialty Mfg. Co., Coldwater, Mich.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Henderson, A. P. ("Henderson" Self-Locking, Adjustable), Hanover, Mass.
Metal Finishing Co., Union City, Conn.
Moulton, C. W. & Co., Somerville, Mass.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

Brackets (Shelf)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co., Freeport, Ill.
Atlas Mfg. Co. ("Bradleys"), New Haven, Conn.
Baltimore Hinge Co., Baltimore, Md.
Brass Goods Mfg. Co.., Nevin c Union, Brook-
Chalfant Mfg. Co., Lancaster, Pa. lyn, N. Y.
Cleveland Lock Co. ("Hercules"), Cleveland, O.
Dayton Malleable Iron Co., Dayton, O.
Grand Rapids Brass Co., Grand Rapids, Mich.
Griffin Mfg. Co. (Pressed Steel), Erie, Pa.
McKinney Mfg. Co. (Wrought Steel), Pittsburg, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Penna. Hardware Co. (Cast & Wrought Steel), Reading, Pa.
Piqua Bracket Co. ("Piqua" Adjustable), Piqua, Ohio
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co. (Plumbers' & Shelf), Freeport, Ill.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Van Doorn Co. (Adjustable, Brass Coppered, Nickle Plated etc.), Quincy, Ill.
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
Wrightsville Hardware Co., Wrightsville, Pa.

Brackets (Shingling)

(See Brackets, Roof)

Brackets (Slaters' Scaffold)

Storts, John & Son, 210 Vine, Phila., Pa.

Brackets (Staging)

Boston Bolt Co., 40 Farnsworth, Boston, Mass.

*Brackets (Steel, for Painters')

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Brackets (Steel Scaffold)

McIntyre Steel Scaffold Bracket Co. ("McIntyre"), Detroit, Mich.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

*Brackets (Steel Shingling)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

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Brackets (Table)

Mott Iron Works, 118 5th av, New York
Universal Caster & Foundry Co., 1170 B'way, New York. Factory: Newark, N. J.

Brackets (Telephone Pole)

(See also Brackets, Desk Telephone)

Connecticut Telephone & Electric Co., Meriden, Conn.
Electrical Cons. Supply Co. (Malleable Iron), Springfield, O.
Griggs Mfg. Co., 79 5th av, Chicago, Ill.
Mott Iron Works, 118 5th av, New York
Mountain State Electrical Co. (Construction), Wheeling, W. Va.
Nelson, N. O. Mfg. Co., 8th c St. Charles, St.
Norton Tool Co., West Park, O. Louis, Mo.

Brackets (Third Rail)

Beaver Dam Malleable Iron Co., Beaver Dam, Pa.

Brackets (Trolley Pole)

(See also Cross Arms; also Insulator Pins & Brackets)

Ajax Line Material Co. ("Votta"), 12 W S Jefferson, Chicago, Ill.
American Bridge Co. (Steel), 30 Church, New York
Anderson, Albert & J. M. Mfg. Co., 287 A, S. B., Boston, Mass.
Bissell, F. Co. ("Security," Angle Iron), To-
Brady, T. H., New Britain, Conn. ledo, O.
Creaghead Engineering Co. (Flexible), Cincin-
Cutter, Geo. Co., South Bend, Ind. nati, O.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co. (Iron), Dayton, O.
Francis, Philip S. (Adjustable), 115 N 6th, Phila., Pa.
Hallett Iron Works, 96 W Polk, Chicago, Ill.
Hill, W. S. Elec. Co., New Bedford, Mass.
Hubbard & Co., Pittsburg, Pa.
Lanz, M. & Son, 29th & Carson, Pittsburg, Pa.
Metal Finishing Co., Union City, Conn.
Morris, Elmer P. Co. (Wrought Iron & Steel Tubular), 90 West, New York
Noblett, E. J. Co. (Wood), Peoria & 121st, Chicago, Ill.
Ohio Brass Co. (All Kinds), Mansfield, O.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Pierce, Specialty Co., Elkhart, Ind.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wisconsin Bridge & Iron Co., Milwaukee, Wis.

Brackets (Wall, for Power Transmission)

(See Power Transmitting Machinery)

Brackets (Wood)

McMillen, E. Co., Oshkosh, Wis.
Morgan Co., Factory & General offices, Oshkosh,
Peirce, W. E. & Co., Milford, N. H. Wis.
Riggs Cypress Co., Patterson, La.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Zimmerman, Chas. E., 204 Burnet av, Syracuse, N. Y.

*Brake Banding for Automobiles

ROSSENDALE - REDDAWAY BELTing & Hose Co. ("Camel" Brand), Newark, N. J. (See adv. index, end of book)

Brake Beams

American Iron & Steel Mfg. Co., Lebanon, Pa.
Bethlehem Steel Co. (Open-Hearth Steel), South Bethlehem, Pa., & 111 B'way, New York
Bettendorf Axle Co. (Car), Davenport, Iowa
Chicago Railway Equipment Co. ("Kewanee," "Diamond," "Creco," "Strelingworth" & "Monarch"), 4054 Princeton av, Chicago, Ill.
Damascus Brake Beam Co. ("Waycott," "Damascus"), Cleveland, O.
Davis Solid Truss Brake Beam Co., Wilmington, Del.
Niagara Forged Steel Co., Buffalo, N. Y.
Simplex Railway Appliance Co., Commercial Nat'l B'k bldg, Chicago, Ill.; Works: Hammond, Ind.
Standard Steel Car Co., Frick bldg, Pittsburg, Pa.
Sterlingworth Railway Supply Co. (Rolled Steel), North American bldg, Phila., Pa Works, Easton.
U. S. Metal & Mfg. Co. ("Damascus"), 25 Broad, New York
Western Steel Car & Foundry Co., Old Colony bldg, Chicago, Ill.

*Brake Equipment for Traction Cars (Power)

WESTINGHOUSE TRACTION BRAKE Co., Pittsburg, Pa.

Brake Jaws

Cleveland City Forge & Iron Co., Lakeside av, opp E 45th, N E, Cleveland, O.
Dayton Malleable Iron Co. ("Kelly"), 1308 W 3d, Dayton, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Peacock's Iron Works, Selma, Ala.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
Steel Car Forge Co., Pittsburg, Pa. Works, Elwood City, Pa.
U. S. Metal & Mfg. Co. ("Howard" Wrought Iron & Western Railway Equipment Malleable Iron), 165 B'way, New York

Brake Levers

Altoona Iron Co. (Wrought Iron), Altoona, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Dayton Malleable Iron Co. (Made from Malleable Iron), Dayton, O.
Steel Car Forge Co., Pittsburg, Pa. Works, Elwood City, Pa.

Brake Shoe Wheel Truing

Car Wheel Truing Brake Shoe Co., Ellicott sq, Buffalo, N. Y.
Wheel Truing Brake Shoe Co., The Lenox, Detroit, Mich.

Brake Shoes

Adams, S. Jarvis Co., Midland, Pa.
AMERICAN BRAKE SHOE & FOUNdry Co. (Railway), Mahwah, N. J., & Western Union bldg, Chicago, Ill. (See adv. index, end of book)
American Steel Foundries (Open Hearth Steel), Main Office, 42 B'way, New York
American Car & Foundry Co., 706 Chestnut, St. Louis, Mo., & 25 Broad, New York
Baltimore Car-Wheel Co., Fulton Station, Baltimore, Md.
Barbour-Stockwell Co. (Electric Railway), Cambridge, Mass.
Barnum-Richardson Co., Lime Rock, Conn.
Bellwood Mfg. Co., Bellwood, Pa.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Buckeye Steel Castings Co., Columbus, O.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.; Works: Harvey, Ill.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Chicago Brake Shoe Co., 277 Dearborn, Chicago, Ill.
Columbia Brake Shoe & Foundry Co., Cincinnati, O.
Elmira Heights Foundry, Elmira, N. Y.
Fulton Foundry Co., Cleveland, O.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Lima Brake Shoe Co., Lima, O.
Lorraine Foundry Co., Bush & Wicomico, Baltimore, Md.
Love Brake Shoe Co. ("Armbrust"), Fisher bldg, Chicago, Ill.
McCord & Co., Old Colony bldg, Chicago, Ill.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
McIntyre, Robert J., Allentown, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Morris & Lewis ("Walsh"), Rock Island, Ill.
Mowry Car Wheel Works, 2401 Eastern av, Cincinnati, O.
Murray Iron Works Co., Burlington, Iowa.
N. Y. Car-Wheel Co., 15 Forest, Buffalo, N. Y., & 771 Greenwich, New York
Parker & Topping ("The Diamond S"), Brainerd, Minn.
Peacock's Iron Works, Selma, Ala.
Pittsburg Brake Shoe Co., Farmers B'k bldg, Pittsburg, Pa.
Reliance Steel Casting Co. (Ltd.), Pittsburg, Pa.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Spear & Miller Co. ("The Ideal"), Monadnock blk, Chicago, Ill.
Standard Brake Shoe Co. ("Standard"), Aurora, Ill.
Swett, A. L. Iron Works, Medina, N. Y.
Taylor Electric Truck Co. ("Taylor"), Troy, N. Y.
Vulcan Iron Works ("Reilly"), Toledo, O.
Welsh Brake Shoe & Foundry Co., East Moline, Ill.
Western Steel Car & Foundry Co. (Grey Iron), Old Colony bldg, Chicago, Ill.
Wharton, Wm., Jr., & Co. (Inc.) (Electric Railway), 25th & Washington av, Phila., Pa.
Wheel Truing Brake Shoe Co. (Wheel Grinders), The Lenox, Detroit, Mich.

*Brake Shoes (Automobile)

AMERICAN VULCANIZED FIBRE CO. (Fibre), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)

Brake Slack Adjuster

American Brake Co. (Automatic), 1932 N B'way, New York
Gould Coupler Co., 345 5th av, New York
Western Railway Equipment Co. ("Acme" Automatic), Mo. Trust bldg, St. Louis, Mo.

*Brake & Electric Car Heating Apparatus (Magnetic)

WESTINGHOUSE TRACTION BRAKE Co., Pittsburg, Pa.

Brakes (Air)

ALLIS - CHALMERS CO. (Electric), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Magan Air Brake Co., 4th & Porter, Detroit, Mich.
National Brake & Electric Co. ("National"), Motor Driven Compressors), Milwaukee, Wis.
New York Air Brake Co., 66 B'way, New York
Philadelphia Air Brake & Machine Co. ("Morse-Henley"), Real Estate Trust bldg, Phila., Pa.
WESTINGHOUSE AIR BRAKE CO. The (Automatic), Pittsburg, Pa.

*Brakes (Air, Storage System)

WESTINGHOUSE TRACTION BRAKE Co., Pittsburg, Pa.

Brakes (Automobile)

Clark, Edward S., 272 Freeport, Boston, Mass.
Columbus Screw & Machine Co., 244 Kaiser, Columbus, O.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hayden Automatic & Equipment Co. ("Hayden"), 26 Cortlandt, New York
Kalisch Air Brake Co., 1315 Chestnut, St. Louis, Mo.
Long Arm System Co., Cleveland, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
National Brake & Clutch Co., 16 State, Boston, Mass.
Royal Equipment Co. ("Raymond"),, Bridgeport, Conn.
Watres Mfg. Co. (Power), 1133 B'way, New York, E. S. ("Sprag"), Reading, Pa. York

Brakes (Car)

(See Brakes, Electric Car)

Brakes (Coaster)

Aurora Automatic Machinery Co. ("Thor"), Aurora, Ill.
Buffalo Metal Goods Co., 642 Linwood av, Buffalo, N. Y.
Corbin Screw Corporation ("Corbin Duplex"), New Britain, Conn.
Eclipse Machine Co. ("Morrow"), Elmira, N. Y.
Forsyth Mfg. Co. ("Forsyth"), 306 Terrace, Buffalo, N. Y.
New Departure Mfg. Co. ("New Departure"). Bristol, Conn.
Pope Mfg. Co., Hartford, Conn.
Standard Co. ("Standard"), Torrington, Conn.
Straight Mfg. Co., 1451 Niagara, Buffalo, N. Y.

Brakes (Dough)

Champion Machinery Co., Joliet, Ill.
Rockwell, L. A., 9 Elisabeth, New York
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Brakes (Electric Car)

ALLIS-CHALMERS CO. ("Christensen"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Billings & Spencer Co. ("Kelsey"), Hartford, Conn.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av c Chestnut, Brooklyn, N. Y.
Keystone Brake Shoe Co., 12 E 23d, New York
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Magan Air Brake Co., Detroit, Mich.
Massachusetts Steel Casting Co. ("Neal Duplex"), Everett, Mass.
National Brake Co. ("Peacock," "Ackerly," Adjustable), Buffalo, N. Y.
National Brake & Electric Co. ("National" Air), Milwaukee, Wis.
National Car Coupler Co. ("Hinson"), Attica, Ind.
New York Air Brake Co., 165 B'way, New York
Philadelphia Air Brake & Machine Co., Real Estate Trust bldg, Phila., Pa.
Sterling-Meaker Co. ("Sterling Safety," "Giant"), 420 Ogden, Newark, N. J.
Taylor Electric Truck Co., Troy, N. Y.
Traction Equipment Co., 72 Grand, B'klyn, N.Y.
U. S. Metal & Mfg. Co., 165 B'way, New York
WESTINGHOUSE TRACTION BRAKE Co., Pittsburg, Pa.

*Brakes (Electric Crane)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co. (Direct Current Solenoid), Harvey, Ill. (See adv. index & branch offices, end of book)

*Brakes (Electric Motor)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co. (Direct Current Solenoid), Harvey, Ill. (See adv. index & branch offices, end of book)

Brakes (Flax)

New Winona Mfg. Co., Winona, Minn.

Brakes (Locomotive)

New York Air Brake Co. (Also Tender, Driver, Freight & Passenger Car), 66 B'way, New York, & Fisher bldg, Chicago, Ill.
WESTINGHOUSE AIR BRAKE CO., The, Pittsburg, Pa.

*Brakes (Magnetic Friction)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)

Brakes (Rail)

Miller Supply Co. (Friction for Dropping Railroad Cars Under Coal Chutes, etc.), Huntington, W. Va.

*Brakes (Solenoid)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co. (Direct Current), Harvey, Ill. (See adv. index & branch offices, end of book)

Brakes (Vacuum)

New York Air Brake Co. (& Vacuum Automatic), 66 B'way, New York

Branders (Cigar)

American Electrical Heater Co. (Electric), Detroit, Mich.

Branding Irons (Electric)

(See also Burning Brands)

Schneider, Geo. J. & Co., Detroit, Mich.

Brass Altar Rails

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mills, W. J., 639 Kent av, Brooklyn, N. Y.
Murdock-Shaw Co., Boston, Mass.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
WINSLOW BROS. COMPANY (Iron, Brass & Bronze), Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Brass Angles, Channels, Etc.

(See Brass & Copper Angles, Channels, Etc.)

Brass Bolts

(See Bolts, Brass & Copper)

Brass Founders

(See Bell Founders; Bell Manufacturers; Castings, Brass; Fire Place Furnishings; Hardware Manufacturers; Machinists & Founders; Plumbers' Brass Goods; Valve Manufacturers)

Brass Founders' Supplies

(See Foundry Facings & Supplies)

Brass Nails

(See Nails, Brass & Copper)

Brass Railings

(See Bank & Office Railings)

Brass Rivets

(See Rivets, Brass & Copper)

Brass Rods

(See Rods, Brass & Copper)

Brass Screws

(See Screws, Brass & Copper)

Brass Sheets

(See Copper & Brass Sheet)

Brass Tubes

(See Tubing, Brass & Copper)

Brass Wire

(See Wire, Brass & Copper)

Brass & Copper Angles, Channels, Etc.

Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Manhattan Brass Co. (Brass & Bronze), 334 E 28th, New York
MERCHANT & EVANS CO. (Inc.) (Jobbers), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Rome Brass & Copper Co., Rome, N. Y., & 100 William, New York
Waterbury Brass Co., Waterbury, Conn.

Brasses (Car & Engine)

Ajax Metal Co., 48 Richmond, Phila., Pa.
Atlantic Brass Co., 192 B'way, New York
Brady Brass Co., Jersey City, N. J.
Continental Car & Equipment Co., 17 Battery pl, New York
Edna Smelting & Refining Co. (For Steam or Electric), 525 Reading rd, Cincinnati, O., & Monadnock blk, Chicago, Ill.
Gilbert, A. & Sons Brass F'd'y, St. Louis, Mo.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Long & Stillman, 149 B'way, New York.
McCartney, Josiah, Bay City, Mich.
Magnus Metal Co., Buffalo, N. Y.
More-Jones Brass & Metal Co., St. Louis, Mo.
Newell, J. F. & Co., Gardiner, Me.

Brazing Apparatus

(See Blow Pipes & Brazing Apparatus)

Brazing (Cast Iron)

(See Cast Iron Brazing)

Brazing Compound

(See Compounds, Brazing)

Breakers (Casting or Scrap)

Curtis & Mfg. Co. (Compressed Air), St. Louis, Mo.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Breakers (Circuit)

Carpenter Enclosed Resistance Co., 79 E 131st, New York
Condit, S. B., Jr., & Co. ("Eden," "Condit"), Boston, Mass.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Cutter Electrical & Mfg. Co. ("J-T-E," "Dalite"), 19th & Hamilton, Phila., Pa.
Fort Wayne Electric Works, Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hartman Circuit Breaker Co. (Automatic Oil Circuit for Cars, etc.), Mansfield, O.
Kelman Electric & Mfg. Co., Los Angeles, Cal., & Yonkers, N. Y.
McCarthy Bros. & Ford, 41 Eagle, Buffalo, N. Y.
Pittsburg Armature Works, Pittsburg, Pa.
Roller-Smith Co. ("S. E."), Bethlehem, Pa.
Sundh Electric Co. ("Sundh"), 115 Cedar, New York
Ward, Leonard Elec. Co., Bronxville, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co. (Alternating & Direct Current), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Breakers (Gyratory)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

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*Breakers (Magnetic Re-Set Circuit)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)

Breakers (Staybolt)

(See also Pneumatic Staybolt Breakers)
Williams, White & Co. ("Lowe," for Boiler Shops), Moline, Ill.

Breakers (Stone)

(See Rock & Ore Crushers)

Brewers' Brass Supplies

Standard Brass & Iron Works, Milwaukee, Wis.

Brewers' & Maltsters' Machinery

(See Machiney, Brewers' & Malsters')

Brick Ashlar

(See Architectural Faience)

Brick Dryers

(See Dryers, Brick)

Brick Handler

Empire Forge & Iron Co. ("Empire"), Buffalo, N. Y.
Union Specialty Mfg. Co., Arrott Power bldg, Pittsburg, Pa.

Brick Mfrs. (Acid Proof)

Denny-Renton Clay & Coal Co. (For Chemical Works), Seattle, Wash.
Lallede-Christy Clay Products Co., St. Louis, Mo.
Louisville Fire Brick Works, Louisville, Ky.
Steiger Terra Cotta & Pottery Works, San Francisco, Cal.
Ostrander Fire Brick Co., Troy, N. Y.

Brick Mfrs. (Cement)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Dennis & Schiely, Maumee, O.
Harper Brick Co., Harrison, N. J.
Kerr, Sorrell & Co., Green City, Mo.
Maumee Cement Block Co., Maumee, O.
Universal Cement Brick & Block Co., Webster av nr 200th, New York
White Marble Lime Co., Manistique, Mich.

Brick Mfrs. (Chemical)

Remmey, Richard Sons Co. (For Glover Towers), 2637 E Cumberland, Phila., Pa.

Brick Mfrs. (Chrome)

Federal Refractories Co., Cleveland, O.
Harbison-Walker Refractories Co., Farmers Bank bldg, Pittsburg, Pa., & 1133 B'way, New York
Stowe-Fuller Co., Cleveland, O.

*Brick Mfrs. (Clinker)

SAYRE & FISHER CO. (Dutch), 261 B'way, New York. Works, Sayreville, N. J. (See adv. Front Inside Cover)

*Brick Mfrs. (Clinker Paving)

FLEMING & CO. (Adamantine Clinker), 253 B'way, New York. (See adv. index, end of book)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Brick Mfrs. (Common)

See also Brick Mfrs., Clinker.
Brick Mfrs., Enameled.
" " Fire Flashed.
" " Fire.
" " Furnace Arch & Roof.
" " Front.
" " Glazed.
" " Granite Pressed.
" " Hollow.
" " Pompeiian.
" " Porus. (See Fire-Proof Porous Silica. Brick & Tile.)
" " Vitrified Paving.
" " White.
Blocks, Hollow Building.
Conduits.
Fire-Proof Hollow Brick & Tile.
Roofing Tile, Terra Cotta.
Plumbers' Sanitary Earthenware.
Sewer Pipe Mfrs.
Terra Cotta, Architectural.
Tile, Art, etc.

ALABAMA.

ASHBY—Ashby Brick Co.
BIRMINGHAM—Ashby Brick Co.
B'ham Sand, Lime, Brick & Stone Mfg. Co.
Copeland Brick Co., 44 E Birmingham av
Graves Shale Paving Brick Co.
Riverside Brick Co.
BREWTON—Strong, W. H. Brick Co.
BRICKYARD—Bickerstaff Brick Co.
CHOCCOLOCCO—Dunn Bros.
DEMOPOLIS—McGrath Bros.
ELBA—Perdue, W. B.
GREENVILLE—Terrell, W. C.
HUNTSVILLE—Huntsville Brick Co.
MOBILE—Hale & Savage
Kentz, Jos.
MONTGOMERY—Excelsior Brick Co.
Holt Brick Co.
Riverside Brick Co.
NEW DECATUR—North Alabama Brick Co.
SELMA—Selma Brick & Tile Co.

ARKANSAS.

FORT SMITH—Carbough, J. D.
HELENA—Straub Pressed Brick Co.
LITTLE ROCK—Arkansas Brick & Mfg. Co.
TEXARKANA—Arkansas Brick Co.
Texarkana Brick Co.

CALIFORNIA.

ALAMEDA—Clark, N. & Sons
BAKERSFIELD—Bakersfield Sandstone Brick Co.
KENNET—Holt & Gregg Co.
LOS ANGELES—Berg & Oxby, Lankershim bldg
California Ornamental Brick Co., Mason Opera House
Garvanza Brick Co., 218 S B'way
Independent Brick Co., Fay bldg
K. & K. Brick Co., P. E. bldg
Los Angeles Pressed Brick Co.
Simons Brick Co., 128 W 3d
So. California Brick Co., Hellman bldg
Standard Brick Co., Stimson bldg
OAKLAND — Carnegie Brick & P. Co., ft of Remillard Brick Co., 659 Clay
Madison
PASADENA—Simons Brick Co.
REDLANDS—Taylor Bros. Brick Co.
SAN DIEGO—Hubbard, Robert M.
SAN FRANCISCO—Bay View Brick Co., 32d av & G S
California Brick & Clay Mfg. Co., 28 El Dorado
Carnegie Brick & Pottery Co., 628 Montgomery
Clark, N. & Sons, 17 Spear
Patent Brick Co., 331 Berry
Remillard Brick Co., Berry bet 6th & 7th
Richmond Brick Co., 161 Sacramento
San Francisco Brick Co., 2d n Mission
SAN JOSE—San Jose Brick Co.
STOCKTON—San Joaquin Brick Co.

COLORADO.

BOULDER—Lee, W. S.
COLORADO SPRINGS—Brewer, Ben. Brick Co.
Schlessinger Bros.
DENVER—Boulder-Shale Brick Association
Denver Sewer Pipe & Clay Co., Continental bldg
Denver Shale Brick Co.
Excelsior Brick Co., S York & E Colorado av
Fairview Brick Co., Decatur c W 18th av
Robinson Brick Co., Exchange bldg
Rowe, E. E. & Co., 1250 Boul P
Western Brick & Construction Co.
LA JUNTA—La Junta Brick & Tile Co.
PUEBLO—Colorado Brick & Tile Co.

CONNECTICUT.

BERLIN—American Brick Co.
Jacobs Brick Co.
Merwin, C. P. Brick Co.
EAST WINDSOR HILL—East Windsor Hill
ELMWOOD—Phoenix Brick Co. Brick Works
HARTFORD—Dennis & Petsner, 737 Windsor av
Dorr, Cephas, New York av
Kane, Michael, 190 New Park av
Mills, Eugene D.
Parkville Electric Brick Co., 270 Prospect
MIDDLETOWN—Johnson, J. D.
Tuttle Brick Co., Newfield, at R. R. Station
NEW BRITAIN—Holmes, Jno. W.
New Britain Brick Co.
Towers, Joseph S.
NEW HAVEN — Davis, Wm. E. & Co., 693 Orange
Howard Co., 250 Boulevard
Montowese Brick Co., 116 Church
O'Neill, H. Coady
Stiles, I. L. & Son Brick Co., 335 East
NORTH HAVEN—Brockett, F. H. Co.
Stiles, I. L. & Son Brick Co.
WILSON—Wilson Brick Co.

DELAWARE.

DELMAR—Elliott, W. B.
LINCOLN—Sackett, Chas. H. & Co.
NEWPORT—Kiamensi Clay Works
WHITESVILLE—Harrison, Geo.
WILMINGTON—Allen, Alvan Brick Co., 915 Market
Delaware Terra Cotta Co., 819 Shipley
Oberly, James B., Lancaster & Greenville avs
Wilmington Brick Co.

DISTRICT OF COLUMBIA.

WASHINGTON — Anacostia Brick Co., Anacostia
Highland Brick Co., 13th c Ohio av, N W
Hydraulic Press Brick Co.
Martin & Bro., 1504 S Capitol
New Washington Brick Co., 1420 N. Y. av, N W
Potomac Brick Co., 1413 G. N W
Rosslyn Brick Co., 1321 F. N W
Virginia Brick Co., Colorado bldg
Walker, Wm. T. Brick Co., Corcoran bldg
Washington Brick & Terra Cotta Co., 3d, c O., S W
West Bros. Brick Co., 729 15th, N W

FLORIDA.

CALLAHAN—Mickler, Oscar O
CAMPVILLE—Maultsly, J. A.
JACKSONVILLE—Jacksonville Brick Co.
PINE BARREN—McMillan Brick Co.
SORRENTO—Sorrento Brick & Lumber Co.

GEORGIA.

ALBANY—Albany Brick Co.
Cruger & Pace
ATHENS—Georgia Brick Co.
Oconee Brick Co.
ATLANTA—Calhoun Brick Co.
Chattahoochee Brick Co., Fourth Nat'l B'k bldg
Palmer Brick Co., Fourth Nat'l B'k bldg
South River Brick Co., 24 Walton
AUGUST—Dunbar, B. S.
McCoy Brick & Tile Co.
Merry Bros.
Rutherford & Co.
Standard Brick Co.
BAINBRIDGE—Patterson, L. F.
CALHOUN—Calhoun Brick Co.
COLUMBUS—Berry, Geo. O. & A. F.
Shepherd Bros.
ELBERTON—Elberton Brick Co.
GAINESVILLE—Pfeffer, Mrs. P.
MACON—Anderson Brick Co.
Bailey, C. T.
Jelks, E. N.
Macon Brick Co.
MILLEDGEVILLE—Milledgeville Brick Works
ROME—Morrison Trammell Brick Co.
Rome Brick Co.
SAVANNAH—Rothwell, B., 228 Montgomery
Savannah Brick Works
UNION POINT—Ogeechee Brick Co.
WEST POINT—Jones, Lafayette
McPherson, N. B.

IDAHO.

GRANGEVILLE—Holtz, Valentine & Son
LEWISTON—Idaho Brick Co.

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ILLINOIS.

ABINGDON—Abingdon Paving Brick & Tile
ALEDO—Aledo Brick & Tile Co. Co.
AURORA—Solbisburg & Sons
AVON—Avon Milling & Mfg. Co.
BARRY—Chilton, C. H.
BEARDSTOWN—Meyer, H. C.
BELLEVILLE—Belleville Brick Co.
Ittner, A. Brick Co.
Kloess Brick Co.
Standard Brick Co. (Capacity 12,000,000)
BELVIDERE—Belvidere Brick Co.
BENSON—Peterson, Simon
BETHANY—Fortner, W. D.
BLOOMINGTON—Bloomington Pressed Brick Co.
Heafer, Edgar M. Tile Co.
McGregor, J. H. Brick Co.
BUDA—Churchill, Horatio
CAIRO—Ferguson, Thos. & Co.
Halliday, W. B.
CAMPUS—Mamer Bros.
CANTON—Heckard, M. & Sons
Roller, Geo. B.
CARBON CLIFF—Argillo Works (See Rock Island, Ill.
CARLINVILLE—Moody, John & Son
CARLYLE—Holdener, D.
CASEY—Weaver, Chas.
CHAMPAIGN—Sheldon Brick Co.
CHANDLERVILLE—Zorn, Aug.
CHATSWORTH—Walter, Geo. J.
CHICAGO—American Brick Co., 4500 S Robey
Bach Brick Co., 192 W Montrose av
Bonner & Marshall Co., Chamber of Commerce bldg
Burke, Alex. S., cor 40th av & W 19th
Calumet Brick Co., Chamber of Commerce bldg
Chicago Brick Co., 138 Washn
Evans, Rothwell H., 112 Clark
Heimann, G. J. & Co., Irving Park boul & California av
Hydraulic Press Brick Co., 138 Wash'n
Illinois Brick Co., 138 Wash'n
Kelly, A. W. & Co., 1162 63d
Kemnitz & Schneider, 1258 Oakdale av
Kimbell, S. S. Brick Co., 138 Wash'n
Labahn Brick Co., 92 La Salle
Lakeview Brick Co., N. S., W Irving Park boul west of river
Murphy & Lorimer Brick Co., Archer & S California avs
National Brick Co., 84 Lasalle
Sexton, John M. L., W 39th & Leavitt
COAL VALLEY—Hass, Jno. T. & Son
COLLINSVILLE—Hydraulic Press Brick Co.
COLLOM—Ortman, F. A.
DANVILLE—Danville Brick Co.
Western Brick Co. (Yearly Capacity 60,000,000 Wire Cut & Re-Pressed)
DECATUR—Decatur Brick Co.
DELAND—Moody, R. B.
DELAVAN—Tillbury, W. C.
DUNDEE—Haeger, D. H. (Est. of)
EARLVILLE—Earlville Brick & Tile Mfg. Co.
EAST PEORIA—Carter, F. R.
EDWARDSVILLE—Banner Clay Works (Building & Sewer)
Richards Brick Co.
EL DORADO—West-Gregg Brick Co.
ELGIN—Elgin Brick & Tile Co.
EQUALITY—McIntyre, Wm. & Son
FARMER CITY—Arbogast, D. H. & Son
FREEPORT—Grant, Thos.
Trunck, F. G. & Son
GALESBURG—Purington Paving Brick Co.
GILMAN—Wild, James W.
GRAYVILLE—Wheatcraft, W. G.
GREENUP—Ward, J. H.
HAMPSHIRE—Backus & Sholes
HARVEL—Smith & White (Tile)
HIGHLAND—Miller, Louis
HILLSBORO—Hillsboro Brick & Tile Co.
HUTSONVILLE—Hutsonville Brick & Tile Co.
ILLIOPOLIS—Baldridge, M. I.
JACKSONVILLE — Jacksonville Sand, Cement & Brick Co.
JOLIET—Shaw, Josiah E., 2307 E. Cass
Shaw, Silas, Brick Co.
KANKAKEE—Kankakee Tile & Brick Co.
LA SALLE — La Salle Pressed Brick Co. (Pressed)
LITCHFIELD—Chamberlain, Jno. W. & Son
LITTLE YORK—McCoy & Co.
LODA—Loda Brick & Tile Works
LOMBARD—Lombard Brick & Tile Co.
LOSTANT—McShane, Richard
McQUEEN—Elgin Brick & Tile Co.
MACKINAW—Judy, F. D.
MANCHESTER—Heaton, J. M. (Tile)
MARTINSVILLE—Snavely, L. C.
MATTOON—Mattoon Tile Co.
MAZON—Condon, James
MENDOTA—Harbaugh, C. A.
METCALF—Jones, J. H.
MILFORD—Marquis, D. M.
MINONK—Goodwin Bros.
MOLINE—Abraham, Jacob & Son
Tri-City Sand Stone Brick Co.
MOMENCE—Tiffany Enameled Brick Co.
MONMOUTH—Monmouth Brick & Tile Co.
MONTICELLO—Lodge, W. F.
MORRIS—Buck Bros.
MOUNT OLIVE—Mount Olive Brick & Tile Co.
MOWEAQUA—Corrington Bros.
Frasee, Oscar
NAPERVILLE—Martin & Van Oven (Est. of)
NORTHAMPTON—Goodwin, Thos.
OKAWVILLE—Schlechte, Wm.
OLNEY—Olney Paving Brick & Tile Mfg. Co.
ONARGA—Barnes, Horace
OTTAWA—Swift Terra Cotta Brick & Tile Co.
PANA—McCarty Bros.
PEORIA—Fox, William, 1011 N Elizabeth
Giles, Albert E., 305 Frye av
PERU—Unsicker, Robert
PETERSBURG—Anderson, Chas. (Tile)
Salveson Bros.
PITTSFIELD—Huseman, August
POLO—French, Geo. (Tile)
PRINCETON—Hanson Bros.
Oberschelp, H. G. (Tile)
Wagner, Jacob
QUINCY—Abbott, Wm. K.
Damhorst Bros.
Gem City Press Brick Co.
Sanders, B.
Spilker, Adolph & Sons
Stockhecker, Herman
Stroot, John H.
RAMSEY—McKnight, H. B.
RAY—Ray Tile Works
REDDICK—Reddick Brick & Tile Co.
ROBERTS—Anderson & Kenward
ROCKFORD—Superior Brick Co.
ROCK ISLAND—Argillo Works (Fire Brick & Drain Tile.) Works, Carbon Cliff, Ill.
Atkinson, Aloff
Black Hawk Clay Mfg. Co.
Graham, John W.
Paulsen, Hans
Redecker, B. & H.
Richmond, Geo. H.
ROSSVILLE—Redden, W. B. (Tile)
SHELBYVILLE—Martz Bros.
SPRINGFIELD—Bartelme, Peter M.
Dawson Brick & Tile Co.
Springfield Paving Brick Co.
STREATOR—Barr Clay Co.
Streator Paving Brick Co. (Building, Sidewalk & Foundation)
SULLIVAN—Witts & Witts
TALLULA—Hugenberger, Husmann & Hecker
TAYLORVILLE—Anderson Bros.
TEUTOPOLIS—Deyman, George
THOMASBORO—Peters, F. J. & W. M. (Tile)
UTICA—Utica Fire Brick Co.
VANDALIA—Shaw, White & Co. (Brick & Tile)
VIRGINIA—Paul & Henderson
WADSWORTH—Cashmore, John
Winter, I. S. & Sons
WALNUT HILL—Walnut Hill Press Brick Co.
WATERLOO—Burkhardt, Jacob
WOODSON—Kitner, F. H.
YORKVILLE—Tarbox, A. & E.
ZENOBIA—Farnam, L. C.

INDIANA.

AKRON—Gast, A. A. (Tile)
ALBION—Landgraff, Frank
ANDERSON—Davis Bros. (Drain Tile)
Indiana Brick Co. (Daily capacity 150,000)
ARCADIA—Arcadia Brick Works
ATTICA—Poston, Clarence E.
BARNARD—Hill, J. C. (Tile)
BERNE—Gottschalk, A. Z. (Tiles)
BIPPUS—Bippus Tile Co.
BOONVILLE—Industrial Brick Works
Klostermeier, L. & Son
Kroeger, Fred.
BRAZIL—Brazil Clay Co.
Chicago Sewer Pipe Co.
Excelsior Clay Co.
Indiana Paving Brick & Block Co.
McRoy Clay Works
Sheridan Brick Works
BROOK—Brook Terra Cotta Tile & Brick Co.
BROOKVILLE—Fries, Anthony & Sons
CARBON—Simpson, Benjamin
CAYUGA—Cayuga Brick & Coal Co.
CHESTERTON—Anderson, P. E. & Sons
CLAY CITY—Clay City Brick & Clay Co.
Kaiser, Geo. G.
CLINTON—Clinton Paving Brick Co.
COATESVILLE—Ellis, E. B.
COLUMBUS—Crump, F. T.
CONNERSVILLE—Fries, A. & Sons
CRAWFORDSVILLE—Lee, M. J. (Tile)
CURTISVILLE—Curtisville Tile & Brick Co.
DECATUR—Krick, Tyndall Co.
DELPHI—Clauser, W. H. & Sons
DGERTON—Anspach, J. P. & Son
ELKHART—Boss,' J. C. Brick Co.
Elkhart Brick Co.
EVANSVILLE—First Avenue Brick & Tile Co., 328 Sycamore
Helfrich Lumber & Mfg. Co., 615 W Franklin
Standard Brick Mfg. Co., 328 Syracuse
Wedeking, Ernest, Wedeking's la
FORT BRANCH—Polk & Genung
FORT WAYNE—Fort Wayne Brick & Tile Co.
Moellering, W. H. F.
Moellering's, Wm. Sons, 53 Murray
FRANCESVILLE—Francesville Clay Product
FRANCISCO—Stormont & Bro. (Tile)
FREELANDVILLE—Hummerich, B. (Tile)
Meyer, Chas.
FULTON—Swick, George
GREENFIELD—Greenfield Brick Co.
GREENSBURG—Isgrigg, W. H. & Son
HARTFORD CITY—Meridith & Croninger, (Drain Tile)
HOAGLAND—Small, M. F.
HOBART—Kulage Brick Works
HOMER—Arbuckle & Son
HOPE—Miller, Rominger & Co. (Tile)
HUNTINGBURG—Bockting, Sebastian
Huntingburg Dry Pressed Brick Co.
INDIANAPOLIS—Adams Brick Co., 230 E Ohio
Bradley Brick Co., 230 E Ohio
Bremer, Fred'k, Sherman Drive
Eilering, Herman, Bethel av nr Zwingley
Indiana Paving Brick & Block Co., Traction Terminal bldg
Indianapolis Composite Brick Co., 230 E Ohio
Luedemann, Herman H., Southeastern av, nr Sherman Drive
Magennis, Jas., Sherman Drive
Marion Brick Works, 230 E Ohio
Sheridan Brick Works, 230 E Ohio
Western Brick Co., 230 E Ohio
JEFFERSONVILLE—Jeffersonville Brick Co.
LAFAYETTE—May, Jacob & Sons
LAWRENCEBURG—Mitchell Brick Co.
LEO—Conrad, Jno.
LINTON—Linton Brick Mfg. Co.
MADISON—Ross & Kimmell
MARION—Marion Brick Works
MARTINSVILLE—Adams Brick Co.
Clark, Jno. B.
MICHIGAN CITY—Ohlemacher Brick Co.
Roeske Bros.
MILLGROVE—Inman Tile Co. (Tile)
MONROE—Lewellen, Z. O. (Tile)
MONTEZUMA—Marion Brick Works
MONTMORENCI—Kneale, Henry (Tile)
MOORESVILLE—Bradley Brick Co.
MOUNT VERNON—Industrial Brick Co.
MUNCIE—Mock, J. D. Brick Co.
NEW ALBANY—Goetz Pressed Brick Co.
Hoosier Brick Co.
NEWCASTLE—Newcastle Brick & Tile Co.
NEW RICHMOND—Lee, H. K. (Drain Tile)
NORTH VERNON—North Vernon Lumber Co.
OAKVILLE—Holsinger, J. T.
OSSIAN—Beaty & Doan Co.
PERU—Clifton, John & Son
PETERSBURG—Petersburg Brick Co.
PONETO—Cook, J. W. (Tile)
PORTER—Hydraulic Press Brick Co.
PREBLE—Werling, Albert (Tile)
PRINCETON—Reed, Wm. N.
Watt & Mitchell
RICHMOND—Richmond Brick Co.
ROACHDALE—Rice, James A. & Son
ST. MEINRAD—St. Meinrad Brick & Tile Co.
SEYMOUR—Kasting, W. L. & Co.
SOUTH BEND—South Bend Brick Co.
TERRE HAUTE—Bennett, Jacob & Sons
Bergman, Wilbo, 1300 N 1st
Terra Haute Pressed Brick Co., 1500 N 1st
Terra Haute Vitrified Brick Co. (Building & Sewer)
VALPARAISO—Covert & Young (Tiles)
Lembke, Chas., & Co.
VEEDERSBURG—Wabash Clay Co.
VINCENNES—Kixmiller, S., 63 Fairview av
Puellage, J. W.
WASHINGTON—Krets, Joseph
WINDFALL—Windfall Mfg. Co.
WOODBURN—Woodburn Tile & Brick Co.

IOWA.

ADEL—Harris, S. J. & Co.
AFTON—Spencer, D. J.
ANAMOSA—Smith, B. F. (Est. of)
AUDUBON—Tramp & Tramp (Brick & Tile)
BARNES CITY—Wilson, Ollie & Co.

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BOONE—Boone Brick Tile & Paving Co.
BRIDGEWATER—Cass, C. H.
BURLINGTON—Burlington Brick & Tile Co.
Granite Brick Co.
CAMBRIDGE—Bouham & Son
CEDAR RAPIDS—Stookey, D. W. (Tile)
CENTERVILLE—Centerville Brick & Material Co.
CLARINDA—Crabill, J. M.
COLUMBUS JUNCTION—Oakes, Geo. W.
COUNCIL BLUFFS—Norgaard, C. C.
CRESCO—Marshall, C. A.
CRESTON—Tramp Bros.
DAVENPORT—Bettendorf Brick Co.
Davenport Brick & Tile Co.
Otten & Pohlmann
DENISON—Green & Ward
DES MOINES—Des Moines Brick & Tile Co., Des Moines Clay Mfg. Co. 4th & Hayes
Flint Brick Co., Equitable bldg
Frost Pressed Brick Co., Good blk
Goodwin Tile & Brick Co., Mitchell av nr 18th, S D M
Iowa Brick Mfg. Co., I. L. & T. bldg
Iowa Pipe & Tile Co., 4th & Hayes
Maine, James & Sons Co.
Shackelford Brick Co., nr Bloomfield Mine
Williams Bros., N 6th av & Royer, H P
DE SOTO—De Soto Brick & Tile Works
DIAGONAL—Grant, G. D.
DOWS—Wilson, J. A.
DUBUQUE—Heim, Mrs. Agatha
DYSART—Dysart Brick & Tile Co.
ELDORA—Eldora Pipe & Tile Co.
ESTHERVILLE—Estherville Brick & Tile Co.
FAIRFIELD—Fairfield Brick & Tile Co.
Raney Bros.
FONDA—Straight Bros.
FORT DODGE—Bradshaw, H. R. & Co.
Fort Dodge Brick & Tile Works
FREMONT—Dawson, J. & Co.
GARRISON—Garrison Brick & Tile Co.
GLADBROOK—Gethmann Brick Co.
Stauffer, Geo. M.
GOLDFIELD—Conger & Whyte
GRAND JUNCTION—Goodwin Tile & Brick Co.
GRUNDY CENTER—Grundy Centre Brick & Tile Co.
HAMBURG—Johnson, C. S.
HEDRICK—Heidenreich, F. W.
IOWA CITY—Oaks Bros.
KALO—Central Brick & Tile Co.
Kalo Brick & Tile Co.
KELLOGG—Kellogg Brick & Tile Works
KEOKUK—Gate City Brick Co.
KEOTA—Leacox, Sam'l K.
LAKE CITY—Lake City Clay Works
LEHIGH—Campbell, James
Lehigh Clay Products Co.
LYNNVILLE—Newby & Macy
MACEDONIA—Dye, W. & Co.
MARSHALLTOWN—Finkle, I. S.
MARTINSBURG—Hall, James (Tile)
MASON CITY—American Brick & Tile Co.
Mason City Brick & Tile Co.
Mason City Clay Works
MAXWELL—McHose, Chas. E.
MEDIAPOLIS—Johnson, A. H.
MUSCATINE—Muscatine Pressed Brick Co.
Nyenhuis Bros.
NEVADA—McHose, S. M.
NEWTON—Henning, Wm.
NORTH ENGLISH—Smith, E. J. & Sons
OSCEOLA—Seigle, John Geo.
OSKALOOSA—Oskaloosa Paving Brick Co.
OTTUMWA—Ostdiek, H. B.
Ottumwa Brick & Construction Co.
POLK—Bullington, Cyrus
REDFIELD—Redfield Brick & Tile Works
RED OAK—Cook, R. E.
ROCK VALLEY—Kuehne, A. H.
SERGEANT BLUFF—Holman, C. J. & Bro.
SHEFFIELD—Sheffield Brick & Tile Co.
SHELLSBURG—Shannon, E.
SIDNEY—Carter, Samuel O.
SIOUX CITY—Lower Brick Co.
Sioux City Brick & Tile Works
Sioux Paving Brick Co.
STORM LAKE—Russell, J. M. (Tile)
STUART—Piner, John
TAMA—Bentley, C. B. & Sons (Brick & Tile)
TOLEDO—Toledo Brick & Tile Co.
VAN METER—Platt Pressed & Fire Brick Co.
VILLISCA—Villisca Brick & Tile Co.
WASHINGTON—Shields & Son
WATERLOO—Waterloo Granite Brick Co.
WEBSTER CITY—Webster City Brick & Tile
WELLMAN—Adams, Ira O. Co.
WHAT CHEER—Nicholson, G. G.
WINFIELD—Pierce, L. B.

KANSAS.

ATCHISON—Atchison Paving Brick Co.
BURLINGTON—Batdorf & Co. (Tile & Brick)
CANEY—Caney Brick Co.
CHANUTE—Chanute Brick & Tile Co.
Chanute Cement & Clay Product Co.
Hydraulic Brick Co.
CHERRYVALE—Southwestern Brick Co.
CLAY CENTER—Clay Center Brick Co.
COFFEYVILLE—Coffeyville Vitrified Brick & Tile Co.
COLUMBUS—Columbus Brick & Tile Co.
EUREKA—Murphy, James
FORT SCOTT—Fort Scott Brick Co.
FREDONIA—Fredonia Brick Co.
HUMBOLDT—Humboldt Brick Mfg. Co.
INDEPENDENCE — Coffeyville Vitrified Brick & Tile Co.
IOLA—Iola Brick Co.
Star Brick Co.
Union Brick Co.
KANSAS CITY—Kansas City Hydraulic Press Brick Co.
LAWRENCE—Lawrence Vitrified Brick & Tile Co.
LEAVENWORTH — Pittsburg Vitrified Paving & Building Brick Co.
LINDSBORG—Swanson, A. J.
NEODESHA—Kansas Buff Brick & Mfg. Co.
Verdigris Valley Vitrified Brick & Tile Co.
OTTAWA—Ottawa Brick & Tile Co.
PERU—Peru Brick Co.
PITTSBURG — Pittsburg Vitrified Paving & Building Brick Co.
SALINA—Salina Vitrified Brick Co.
SYCAMORE — Pittsburg Vitrified Paving & Building Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co.
WICHITA—Wichita Hydraulic Stone & Brick Co.

KENTUCKY.

ASHLAND—Ashland Fire Brick Co.
Gates Brick Co.
O'Kelly Brick Co.
BARBOURVILLE — Barbourville Brick & Tile Co.
BARDWELL—Bardwell Brick & Tile Co.
BOWLING GREEN—Knight & Gilbert
CARROLLTON—Carrollton Brick Co.
CLINTON—Harpole, John A.
COVINGTON—Busse Brick Co., 17th & Madison av
Co-operative (The) Mfg. & Home Co.
Meier, A. & Co., ft of Wallace
DANVILLE—Dillehay Brick Co.
FULTON—Bransford, G. H. & Son
HARTFORD—Bean Bros.
HENDERSON—Kleymeyer-Klute Brick & Tile Works
HOPKINSVILLE—Dalton Bros.
LEBANON—Goodin, R. L.
LEXINGTON—Fayette Brick & Supply Co.
Lexington Brick Co.
LOUISVILLE—Hydraulic Brick Co., 2301 12th
Louisville Brick Co., 508 W Jeff
McCollum, J. P., Knapp, near Preston
Southern Brick & Tile Co., 618 Park av
MADISONVILLE—Hall, W. L.
MAYFIELD—McDonald Bros.
MAYSVILLE—Maysville Brick Co.
NEW HAVEN—Nelson Brick & Tile Co.
NEWPORT—Newport Brick, Coal & Supply Co.
Newport Pressed Brick & Stone Co.
OWENSBORO—Owensboro Brick & Sewer Pipe Co.
PADUCAH—Katterjohn Brick Co.
PRINCETON—Princeton Brick Co.

LOUISIANA.

ALEXANDRIA—Adams, C. N.
BATON ROUGE—Baton Rouge Brickyard
BREAUX BRIDGE — Breaux Bridge Brick & Milling Co.
CLINTON—Clinton Brick & Mercantile Co.
DELHI—Delhi Brick Co.
DONALDSONVILLE—Cire & Esnault
FRANKLIN—Bodin, Eugene
Wilson & Mulholland
HAMMOND—Hammond Brick Co.
INDEPENDENCE—Campbell, S. J.
JENNINGS—Jennings Brick Co.
KENTWOOD—Kent, Amos Lumber & Brick Co.
LABADIEVILLE—Achee, Elphez
MARKSVILLE—Neck Bros. Co.
MONROE—Monroe Brick Co.
NEW ORLEANS—Mutual Brick & Supply Co., Hennen bldg
Pelican Pressed Brick Co., 834 Carondelet
Ruppel, Adam, 5340 Tchoupitoulas
Salmen Brick & Lumber Co., 1401 Julia
NEW ROADS—New Roads Brickyard
PEARL RIVER—St. Joe Brick Works
PLAQUEMINE—Plaquemine Brickyard
RUSTON—Randolph, J. R.
SHREVEPORT—Oliff Brick Co., Ltd.
Oliff-McCormick Brick Co., Ltd.
SLIDELL—Salmen Brick & Lumber Co.
TANGIPAHOA—Oakhill Brick Co.
THIBODAUX—Southern Investment Co.

MAINE.

BANGOR—Bangor Brick Co.
BREWER—Brooks Brick Co.
BRUNSWICK—Hacker, C. E.
ELIOT—Clark, Samuel (Est. of)
King, Joseph
Raitt, Chas. A.
Rowe, Alvin L.
Tandreault, Joseph
LEWISTON—Libby, Horace, 544 Main
Pettingill, Geo. S., 535 Main
LISBON FALLS—Desjardins, Louis & Co.
Goddard, T. T.
Union Brick Co.
LIVERMORE FALLS—Gastonquay, Joseph & Frank
MECHANIC FALLS—Mechanic Falls Brick Co.
ORLAND—Gross, Fred. B.
Hutchins, A. W. & A. B.
PENOBSCOT—Leach, Ellery
Leach, Otis
PORTLAND—Densmore, Samuel B.
Hamblet, Melvin
Lucas, Wm.
SACO—Saco Brick Co.
SKOWHEGAN—Purington, Horace & Co.
TOPSHAM—Flagg, D. H.
WATERVILLE—Procter & Bowie Co.
Purinton, H. Co.

MARYLAND.

BALTIMORE—Baltimore Brick Co., Maryland Trust bldg
Baltimore Vitrified Clay Co., Abell bldg
Burns & Russell Co., 1104 American bldg
Champion Brick Co., 206 Courtland
Hydraulic Press Brick Co., Hoffman bldg
BUCKEYESTOWN — Thomas, C. F. & Son
CAMBRIDGE—Leonard, J. C. Brick Co.
CRISFIELD—Collins, George M.
CUMBERLAND—Queen City Brick & Tile Co.
FREDERICK—Frederick Brick Works
FROSTBURG—Savage Mountain Firebrick Co.
GREENSBORO—Bellbrough, T. & Bro.
HAGERSTOWN—Henson Bros.
Pryor, James E. S.
NORTH EAST—Greenhill Fire Brick Co.
United Firebrick Co. (Fire Clay Products)
POCOMOKE CITY—McMichael, Hugh
RIDGELY—Stayer, D. S. & Sons
ROBERTS—Smith, R. J.
ST. MICHAELS—Hope, Clifton.
SALISBURY—Peninsular Brick Co.
Salisbury Brick Co.
SNOW HILL—Lewis, W. S. & Son
WHITEFORD—Cambria Brick Co.
WILLIAMSPORT—Conocheague Brick & Earthenware Co.

MASSACHUSETTS.

BOSTON—Boston Brick Co., 166 Devonshire
Carter, Thomas W., 30 Kilby
Cook, E. L., 166 Devonshire
Day, E. F. & Co., 166 Devonshire
Eastern Terra Cotta Brick & Tile Co., Old South bldg
FISKE & COMPANY (Inc.) 25 Arch. (See adv. index, end of book)
New England Brick Co., 178 Devonshire
Parry Brick Co., 166 Devonshire
Spiers-Fish Brick Co., 79 Milk
Thomas Bros., 46 Cornhill. Works, Turner's Falls, Mass.
Washburn, D. & Sons, 166 Devonshire. Works, Everett, Mass.
BRIDGEWATER—Bassett, Josiah G.
Cook, Ernest L., opp Conant, nr R. R.
EASTHAMPTON—Coyle, Bartley & Son
EVERETT—Washburn, D. & Sons
GREENFIELD—Dyer, C. C.
HOLYOKE—Holyoke Brick Co., 95 High
Lynch Bros. Brick Co., 206 High
Prew, Jno. J.
IPSWICH—Brown, C. E. & Son
Brown, J. A.
LENOX—Mahanna, William
LEOMINSTER—Osborne, William L.
LYNN—Blakely, Geo. C., 31 Holyoke
Graham, F. J.
MONTAGUE—Mass. Brick Co.
MONTAGUE CITY—Burnham, A. C. & F. G.
NORTH ADAMS—North Adams Brick Co.
NORTHAMPTON—Bailey, W. A.
Matthews, Henry

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OTTER RIVER—Leathe, Chas. H.
PALMER—Marcy & Gardner
REVERE—Edmester, Elijah B.
SPRINGFIELD—Curtis, D. J., 128 Everett
Hampden Brick Works, 283 Carew
Springfield Brick Co., 310 Main
Standard Brick Co., 310 Main
TAUNTON—Williams Brick Co., Williams ct
WEST BARNSTABLE—West Barnstable Brick
WESTFIELD—Westfield Brick Co. Co.
WILLIAMSETT—Phillips, E. K.
WORCESTER—Boucher, Jos. 180 Plantation

MICHIGAN.

ASHLEY—Fuller, A. E. (Brick & Tile)
AZALIA—Meyers' Bros.
BANGOR—Stewart, James
BIRMINGHAM—Birmingham Brick & Tile Co.
CADILLAC—Wilcox Bros.
CASS CITY—Hall, Charles
CLIO—Oliff, Thos.
DAVISON—Uptegraff Bros. & Co. (Also Tile)
DEERFIELD—Atkin, Wm. T., Jr.
DETROIT — Clippert, Geo. H. & Bro. Brick Co., 1960 Michigan av
Cooper A. & W., 1316 Gratiot
Daniel, Jacob & Bro. Brick Co. 1955 Michigan av
Downey, Michael, 1977 Michigan av
Haggerty, John S. Hammond bldg
Holmes, F. B. & Co., Hammond bldg
Larkins Brick Co., Whitney bldg
Lonyo Brick Co., N W c Michigan av
Lonyo Bros., N E c Michigan av & Lonyo rd
McDonald, J. C. & Son, Peninsular Bank bldg
Michigan Pressed Brick Co., Lawton av & M C R R
Porath, Ferdinand, Michigan av & P M R R
Schneider Brick Co., 606 Dix av
Springwells Brick Co., Hammond bldg
Wolf, F. H. Brick Co., 1467 Central av
Wolf & Dei, N E c Central av
FLINT—Flint Sandstone Brick Co.
Zimmerman, John C.
GRAND BLANC—Grand Blanc Brick & Tile Co.
GRAND RAPIDS — Battjes Fuel & Building Material Co., 1001 S Division
Grand Rapids Consol. Brick & Tiling Co., c Innes av & N Fuller
Valley City Brick Co., S E c N Fuller
HOLTON—Holton Brick Co.
IONIA—Vander Heyden, Fred H.
JACKSON—Anderson, L. S.
Michigan Southern Brick & Tile Co.
LANSING—Clippert, Spaulding & Co.
LAPEER—White, Robert A.
MANISTEE—Manistee Brick Co.
MAYBEE—Linenfelser, F. C.
MENOMINEE—Menominee Brick Co.
MIDLAND—Midland Brick & Tile Co.
MINDEN CITY—Jones, Albert H.
MOUNT CLEMENS—Mount Clemens Brick &
MUSKEGON—Holton Brick Co. Tile Co.
NEW BALTIMORE—Streit, Andrew
OWOSSO—Frieseke, J. & H.
PONTIAC—Osmun, Wm. H., Jr.
REDFORD—Burgess, H. P.
SAGINAW—Saginaw Paving Brick Co.
Saginaw Sandstone Brick Co.
ST. CLAIR—Belknap & Phillips
ST. JOHNS—Pulley, C. F.
ST. LOUIS—Smith, W. H. H. & Son
SARANAC—Brown, Albert
SEBEWAING—Reinhold, Ernst
SPARTA—Sparta Brick & Tiling Co.
TRAVERSE CITY—Markham, J. W.
VULCAN—Vulcan Brick Works
WILLIAMS—Shields, Patrick
ZEELAND—Zeeland Brick Co.

MINNESOTA.

AKELY—Moore Bros.
ALBERT LEA—Albert Lea Brick & Tile Co.
BLAKELEY—Blakeley Brick & Terra Cotta Co.
BRICKTON—Farnham Brick Co.
Morton, R. P.
Princeton Brick Co.
Woodcock & Sellhorn
BYRON—Kendall, J. B.
CHASKA—Greiner & Corning
Klein, C. H. Brick Co.
Riedele & Casper
COKATO—Cokato Brick, Stone & Sidewalk Co.
CROOKSTON—Crookston Brick & Tile Co.
DAYTON—Vasser, Joseph
DULUTH—Enterprise Brick Co.
FERTILE—Fertile Brick & Tile Co.
HUTCHINSON—Madsen, M. C.
JACKSON—Jackson Tile & Brick Co.
LITTLE FALLS—Duclos, O.
MANKATO—Fowler & Pay
Panenberg, F. G. & Co.
Wheeler & Bennett
MINNEAPOLIS—Anderson, M. Brick Co., Security Bank bldg
Johnson, Frank A., 5008 N Lyndale av
Martin Brick Co., 613 Hennepin av
Minneapolis Paving & Cement Brick Co., New York Life bldg
Wisconsin Red Pressed Brick Co., 214 Lumber Ex.
MORTON—Morton Brick & Tile Co.
NEW ULM—Aufderheide, Fred.
PERHAM—Haut, Gustave
RED WING—Red Wing Brick Co.
ST. PAUL—Greiner & Corning
St. Paul Brick Co., ft of Warsaw & Stewart av
Twin City Brick Co., Manhattan bldg
SHAKOPEE—Schroeder Brick & Lime Mfg. Co.
SPRINGFIELD—Ochs, A. C.
STAPLES—Goulet, F. X.
WARREN—Lundgren, August
WINNEBAGO—Winnebago City Brick & Tile Co.
WINONA—Biesanz, Philip
Voelker & Groff
WRENSHALL—Enterprise Brick Co.
Habhegger, Fred.
Wrenshall Brick Co.

MISSISSIPPI.

BALDWIN—Baldwin Brick & Tile Co.
BOONEVILLE—Booneville Brick & Tile Co.
CLARKSDALE—Reinhart, A. & Son
COLUMBUS—Columbus Brick Co.
HATTIESBURG—Crymes, T. P.
Riverside Brick & Mfg. Co.
HOLLY SPRINGS—Holly Springs Brick Co.
Holly Springs Stoneware & Fire Brick Co.
JACKSON—Bullard Brick Co.
Taylor, W. B.
KOSCIUSKO—Storer & Miller
LAUREL—Laurel Brick & Tile Co.
MOUNT OLIVE—Mount Olive Brick Co.
NATCHEZ—Concord Brick Co.
Natchez Brick & Mfg. Co.
OSYKA—Neff & Owen
OXFORD—Oxford Brick & Tile Co.
PORT GIBSON—Port Gibson Brick Mfg. Co.
VICKSBURG—Beck, Jno. W.
WEST POINT—West Point Brick & Mfg. Co.
YAZOO CITY—Montgomery Land Co.

MISSOURI.

ALMA—Neimann, G.
BLOOMFIELD—Henzie, Albert
BOONVILLE—Boonville Brick Co.
BRAYMER—McCubbin, Wm.
BROWNING—Peters, George F.
BRUNSWICK—Brunswick Brick & Tile Mfg. Co.
CAMPBELL—Moore, W. E.
CAPE GIRARDEAU—Daues, A. W. & Bro.
CARTHAGE—Wheeler, I. C.
CONCORDIA—Bosselman, Hy.
CREIGHTON—Creighton Clay Co.
DE SOTO—Herman, Otto
FREDERICKTOWN—Berryman, Z. T.
FULTON—Fulton Fire Brick Co.
GLASGOW—Burdle Bros.
HERMANN—Vallet, Fritz
HIGGINSVILLE—Canterbury, Frank
INDEPENDENCE — Independence Shale Brick Co.
JACKSON—Kasten & Schmuke Pressed Brick
JEFFERSON CITY—Pohl, B. H. Co.
KANSAS CITY—Dickey, W. S.
Flanagan Bros. Mfg. Co., Lydia c 2d
Hydraulic Press Brick Co., Gumbel bldg
Kansas City Gray Brick Co., Perry bldg
Kansas City Paving Brick & Tile Co., K & P bldg
Lyle Rock Co., 2d & Highland av
Pittsburg Vitrified Paving & Building Brick Co., Postal Teleg. bldg
KIRKSVILLE—Ivie, J. M.
KNOBNOSTER—Boyd, G. M. & Co.
LEXINGTON — Lexington Triumph Pressed
MEMPHIS—Myers, Geo. T. & Co. Brick Co.
MILAN—Grear, H. & Sons
MOBERLY—Moberly Paving Brick Co.
NEVADA—Daly, J. A.
PERRYVILLE—Popp, John C.
ST. CHARLES—St. Charles Brick Co.
ST. JOSEPH—Phoenix Brick & Cons. Co., King Hill av
St. Joseph Pressed Brick Co., 19th & Garfield av
ST. LOUIS—Brockschmitt, Edward, 6529 Manchester av
Calhoun Brick & Clay Co., 202 N 9th
College Hill Press Brick Works, 1400 College av
Consumers' Brick & Quarry Co., Southern City Limits nr B'way
Continental Brick Co., 915 Olive
Enterprise Brick Works Co., 915 Olive
Evens & Howard Firebrick Co., 920 Market
Hydraulic Press Brick Co., 705 Olive
Ittner, Anthony Brick Co., Odd Fellows bldg
McEwing & Thomas, 202 N 9th
Missouri Fire Brick Co., Continental bldg
Missouri Press Brick & Improvement Co., Marine av c Osage
Progress Press Brick & Machine Co., 3207 King's Highway
St. Louis Clay Burning Co., Union boul & De Giverville av
St. Louis Press Brick Co., Cass av, & Collins
Schweer, H. H. Brick Co., 4300 S B'way
Winkle Terra Cotta Co., Century bldg
WINFIELD—Magruder, B. E. (Tile)

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BOZEMAN—Brown, J. N.
MISSOULA—Missoula Brick & Tile Co.

NEBRASKA.

AURORA—Wood Bros.
BEEMER—Raasch, J. C. & Son
DAVID CITY—Bushell, W. H.
DODGE—Brodhun & Mumeday
GRAND ISLAND—Schmidt, Louis
HASTINGS—Hastings Pressed Brick Co.
Polenske, Shellack & Co.
Western Brick & Supply Co.
HOOPER—Builders' Brick Mfg. Co.
KEARNEY—Hibberd Brick Co.
LOUP CITY—Ohlsen Bros.
MADISON—Kaul, Carl F.
NEBRASKA CITY—Nebraska City Brick Co.
NELIGH—Brenton, T. H.
NELSON—Storer, M. S.
NORFOLK—Norfolk Brick Works
OMAHA—Corneer Bros. Co.
Hydraulic Press Brick Co.
Omaha Brick Co.
SCRIBNER—Scribner Brick Mfg. Co.
SOUTH OMAHA—Krittenbrink, J. H.
STANTON—Strahle, Carl.
STROMSBURG—Bostrom, I.
TABLE ROCK—Table Rock, Clay Co.
WAHOO—Schmidt, Marcus
WAYNE—Lewis, Jno., Jr.
Sherbahn, J. F.
YORK—York Brick & Tile Co.

NEVADA.

RENO—Reno Press Brick Co.

NEW HAMPSHIRE.

CONCORD—Holt, Samuel, Turnpike nr Allistor
DOVER—Gage, Elbridge G.
EPPING—Proulx, Joseph
EXETER—Dunn, H. F.
GONIC—Blakely, Geo. C.
Boston Brick Co.
Lanoix, Alphonse
LANCASTER—Lancaster Brick Co.
LEBANON—Densmore Brick Co.
MANCHESTER—Manchester Real Estate & Mfg. Co.

NEW JERSEY.

ASBURY PARK—Drummond Bros.
BELLE PLAINE—Greenlee, Richard
BORDENTOWN—Bordentown Brick Co.
CAMDEN—Hatch, Hugh
Reeve, Augustus
CLIFFWOOD—Cliffwood Brick Co.
Lenox Brick Co.
COLLINGSWOOD—Dobbs, Jas. C. (Tile)
EGG HARBOR CITY—Egg Harbor Brick Mfg.
FARMINGDALE—Lippincott, Edwin. Co.
HACKENSACK—Gardner, M. B. & F. B.
Gillies, J. W.
Walsh, Chas E.
HIGHTSTOWN—Reed, B. H. & Bro.
HOMESTEAD—Homestead Brickyard
KINKORA—Harper Brick Co.
LITTLE FALLS—Singack Brick Co.
LITTLE FERRY—Mehrhoff Brick Co.
Mehrhoff, N. & Co.
Trevitanus & Gardner
MAPLE SHADE—Reeve, Augustus
Samselein, Theo.
MATAWAN—Close, C. E. Brick Co.
Raritan Brick Co.
MAURER — MAURER, HENRY & SON.
(See adv. Inside Front Cover)
MAYS LANDING—Atlantic Brick Mfg. Co.

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MORRISTOWN—Hanover Brick Co.
MOUNT HOLLY—Dubell, Firman
MOUNTAIN VIEW—Oschwald & Ulrich
NEWARK—Houghtaling & Witpenn, 122 Market
Sayre & Fisher Co., ft of Centre
Standard Brick Co., 502 Broad
NEW BRUNSWICK—Pettit & Co.
NEWTON—Losee, F. E.
ROSENHAYN—Rosenhayn Face Brick Co.
SAYREVILLE—Furman, Edward Co.
SAYRE & FISHER CO. (Hard Building). (See adv. Inside Front Cover)
SOUTH AMBOY—Furman, A. H.
SOUTH RIVER—National Pyrogranite Co.
Pettit & Co.
Pettit & Cook Co.
Yates Bros.
TRENTON—Applegate & Co., Pennington av
Donahoe & Nolan, Kirkbride av
Fell & Roberts, 501 Calhoun
Mercer Fire Brick Co.
Trenton Fire Brick Co.
VINELAND—Hobart, J. A.
WHIPPANY—Hanover Brick Co.
WOODBRIDGE—Valentine, M. D. & Bro. Co.
YORKTOWN—Haines, David F.

NEW MEXICO.

ALBUQUERQUE — Albuquerque Pressed Brick Ruby, Wm. & Tile Co.

NEW YORK.

ALBANY—Hunter, Alfred & Son, 54 Van Woert
Smith, Edw. J., 1st av
ARLINGTON—Flagler & Allen
Haight, Wm. H. (Est. of)
ATHENS—Rider, Wm. W., Jr.
ATTICA—Attica Brick & Tile Co.
BINGHAMTON—Wells & Brigham, 118 Wash'n
BROCKWAY—Brockway Brick Co.
BUFFALO—Bender, Henry, 40 Jones
Brush Bros., Bailey & Erie R. R.
Buffalo Clay Brick Co.
Dietschler, John
Ellicott Brick Co., 918 Ellicott sq.
Lancaster Brick & Tile Co., Builders' Ex
Lyth, A. & Sons, Builders' Exch (Tile)
Lyth Tile Co., 48 W Eagle (Tile)
Schmidt, Geo. W., 699 Bailey av
CANANDAIGUA—Hollis, A. M. & Co. (Tile)
New York Press Brick Co.
CARTHAGE—Wrape & Peck
CATSKILL—Golden, Percival
Washburn, G. W. & Co.
COEYMANS—Sutton & Suderly Brick Co.
Ziegler & Ziegler
COHOES—Cary Brick Co.
Murray & Riberdy Co.
Scanlon Brick Co.
CORNING—Brick Terra Cotta & Tile Co.
CORNWALL ON THE HUDSON—Hedges Brick
CRESCENT—Newton, A. C. Co.
DUNKIRK—Hilton, Walter E.
DUTCHESS JUNCTION—Aldridge Brick Co.
Anchor Brick Co.
Brockway Bros. Co.
Budd, W. D. Co.
Hammond & Freeman
EAST KINGSTON—Brigham Bros.
Hendricks Brick Co.
Smith, T. H. & A. H.
Staples Brick Co
Washburn, U. F. & J. T.
ELMIRA—Elmira Shale Brick Co.
FARMINGDALE—Queen's Brick Mfg. Co.
FAR ROCKAWAY—(See New York City, Borough of Queens)
FISHERS ISLAND—Long Island & Fishers Island Brick Co.
PORT SALONGA—Brown Clay Works
GARDENVILLE—Bender, Henry
GLASCO—Maginnis, Wm. Co.
Washburn Bros. Co.
GLEN HEAD—Post, Wm. & Jonathan
GOSHEN—Decker, Wm. F.
GRASSY POINT—Morrissey & Co.
GREEN BRIDGE—(See New York City, Borough of Richmond)
GRENPORT—Sage Brick Mfg. Co.
HAVERSTRAW—Allison, B. J. & Co.
Allison & Wood
Bennett, Bessie
De Noyelles & Co.
Excelsior Brick Co.
Fowler, Everett
Fowler, D., Jr., & Co.
Garner Brick Works
Lynch & O'Brien
MaGuire, Terence
Malley, Mrs. Mary
Peck Brick Co.
Renn, E. N. & Co.
Shankey, Thos & Son
Snedeker Bros.
Wood & Allison
HOOSICK FALLS—Dolan, John
HORNELL—Preston Brick Co.
HORSEHEADS—Horseheads Brick Co.
HUDSON—Bartlett Brick Co.
INWOOD—Crocker, Henry & Jas.
JAMESTOWN—Jamestown Shale Paving Brick Co.
JOHNSTOWN—Kilmer, Robert M.
KINGSTON—Hutton Co., 221 E Strand
LANCASTER—McCutcheon, C. H.
LANSINGBURG—(See Troy)
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
New England Brick Co.

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

NEW YORK—American Sand Lime Brick Co., 39 Cortlandt
Barnes, Wm. H., 680 12th av
CARTER, BLACK & AYERS (Mfrs', Agents), 1 Madison av. (See adv. index, end of book)
CHESTNUT RIDGE WHITE Brick Co. (Eight Colors), 121 W 42d. (See adv. index, end of book)
FISKE & COMPANY (Inc.), Flat Iron bldg. (See adv. index, end of book)
FLEMING & CO. (Dealers), 253 B'way. (See adv. index, end of book)
Fredenburg & Lounsbury, 289 4th av
Harris Brick Co., 77 Mercer
Hydraulic Press Brick Co., 289 4th av
King, John J. & Co., 601 W 51st
Kreischer (The), Brick Mfg. Co., 119 E 23d
MAURER, HENRY & SON, 420 E 23d. (See adv. Front Inside Cover)
New Jersey Co., 11 B'way
Peabody Clay Co., 11 B'way
Person & Co. (Mfrs' Agents), 160 5th av
Phila. & Boston Face Brick Co., 120 W 42d
Plummer, Albert C., 120 W 42d
Powhatan Clay Mfg. Co., 1123 B'way
Richmond Brick Co., 34 Hubert
Rossville Brick Co., 15 Whitehall
SAYRE & FISHER CO., (Hard Building), 261 B'way. (See adv. Front Inside Cover)
Spears Brick Co., 22 E 136th side Cover)
THOMAS, E. H. (Mfrs Agt), 1123 B'way
Underhill, W. A. Brick Co. ("Colbaugh"), 103 Park av
Willard, C. T. Co., 110 E 23d

Borough of Richmond.

GREEN RIDGE—Dunn & Dolan
Richmond Brick Co.

(End of New York City)

NIAGARA FALLS—Frontier Brick Works
ROCHESTER—New York Press Brick Co., 27 St. Paul
Rochester Brick & Tile Mfg. Co., 243 Powers bldg
Rochester German Brick & Tile Co., 279 South av
RONDOUT—(See Kingston)
ROME—Parry, W. W.
SANDY HILL—Sandy Hill Brick Co.
SOUTHOLD—Sanford, Chas. L.
STONY POINT—Reilly & Marks
SYRACUSE—Merrick, Chas. H.
Onondaga Vitrified Brick Co.
Pack, Geo. W. & Son
TROY—Glass, Rob't & Co., Hoosic, above 10th
Painton, Chas. R., Head of House av
Troy Brick Co., Old Turnpike & B. & M. R. R., Lansingburg
Troy Fireproofing Co.
UTICA—Utica Brick & Tile Co.
Weaver's, Geo. F. Sons Co., 237 Bleeker
VERPLANCK—Bonner Brick Co.
Mackey, M. E. & Co.
WATERTOWN—Watertown Pressed Brick Co., 240 Main

NORTH CAROLINA.

ASHEVILLE—Asheville Brick Works
French Broad Granite Brick Co.
Hildebrand, David
Shehan, Geo. C., Asheville, N. C.
CHARLOTTE—Carson Brick Co.
Charlotte Brick Co.
DURHAM—Cheek & Belvin
Fitzgerald, C. T. & S. B.
ELIZABETH CITY — Elizabeth City Brick Works
Thompson, F. G.
FAYETTEVILLE—Poe, E. A. Brick Co.
GIBSON—Green Pond Granite Brick Co.
GOLDSBORO—Grant, H. L. & Son
GREENSBORO—Kirkpatrick Brick Co.
Watson, W. A., Sr.
HAW RIVER—Trolinger, Jno. A.
HIGH POINT—High Point Brick Co.
KINSTON—Carolina Brick Co.
WELDON—Chockoyotte Brick Co.
Weldon Brick & Land Improvement Co.
WILMINGTON—Moores, Roger Sons & Co., 104 Wilmington Granite Brick Co. N Water
WILSON—Lucas, Silas
WINSTON SALEM—Hedgecock, R. W.

NORTH DAKOTA.

DICKINSON—Dickinson Fire & Press Brick Co.
DRAYTON—Drayton Brick Co.
FARGO—Anderson, E.
GRAND FORKS—Red River Valley Brick Corporation
HILLSBORO—Hillsboro Brick & Tile Co.
KENMARE—Kenmare Brick & Coal Co.

OHIO.

AKRON—Akron Brick & Tile Co. (Shale)
Cooper Bros., Spicer n Exchange
Crouse G. W. Jr., S E cor Spicer & South
McCausland Bros., E Tallmadge av
Windsor Brick Co. (& Tile)
ALGER—Alger Clay Mfg. Co.
ALLIANCE—Auld, John & Sons
ANTWERP—Harmann, N. & Son (Tile)
ASHLEY—Dennis, M. (Tile)
ATHENS—Athens Brick Co.
ATTICA—Keller, G. M. (Tile)
AVERY—Park & Tucker (Tile)
BASCOM—Miller, J. A. & Co. (Tile)
BATAVIA—Clermont Brick Co.
BEAVERDAM—Donner, Chris. (Tile)
BELLE CENTER—Royer, Chas.
Stewart, J. I. (Drain Tile)
BETTSVILLE—Flanders, Geo. (Tile)
BLANCHESTER—Blanchester Brick & Tile Co.
BLOOMDALE—McPherson & Co. (Tile)
BLOOMVILLE—Bloomville Brick & Tile Co.
BLUFFTON—Diller & Son (Drain Tile)
BRECON—Heidecker Brick Co.
BRICE—Brice Clay Co.
BROOKLYN—Thies & Voss Co.
BRYAN—Bryan Brick Co.
Neff, Benj. F.
CANAL DOVER—Bose & Kaser
CANTON—Acme Brick Co.
Canton Pressed Brick Co.
Columbia Fire Brick Co.
Metropolitan Paving Brick Co. (Shale)
CAREY—Stief Bros.
CARROTHERS—Clements, J. F. (Tile)
CELINA—Thieman & Schulte
CENTERBURG—Landrum & Landrum (Tile)
CINCINNATI—Anders, Geo. E. & Bro., 1745 Westwood av
Blair, J. M. Brick Co., Builders' & Traders' Exch
CINCINNATI WALL TIE CO. (Mfrs. Agents), 206 E 5th. (See adv. index, end of book)
Clermont Brick Co., Union Trust bldg
Gould, John F., Duck Creek rd nr Montgomery pike
Hyde Park Brick Co., McCormick rd, Hyde
Kolde Bros., Sumner, N of Gest Park)
Meier, A. & Co., Builders & Traders' Ex.
Suer, Herman & Sons, Sidney av nr Woodburn av
Tegeler, Herman, Arlington & O. S. W. R'y
Warburg, Bernard, McLean av nr York
Warburg, John T., McLean av n York
Welling, G. H. & Bro., McLean av, opp Exeter
Westwood Brick Co., Union Trust bldg
Wuebker, Jas., ft of Setchell
CLEVELAND—Barkwill Brick Co., East 75th & Kingsbury Run, S E
Barkwill & Bradley, The Arcade
Brookside Brick Co., 3639 W 56th
Cleveland Brick & Clay Co., Rockefeller bldg
Dawson & Carder, 3089 E 78th, S E
Deckman-Duty Brick Co., Rose bldg
Eggers Brick Co., 4101 Valley rd, S W
Farr Brick Co., 3732 B'way, S. E.
Gynn, Geo. H., Harvard av e Beyerle rd
Harrison, Wm. H., E 49th, opp Guy av
Hydraulic Press Brick Co., Schofield bldg
Knauff & Esterbrook, Aetna rd, S E
Ohio Clay Co., Schofield bldg
Standard Brick Co., 4393 Bradley rd., S W
Wilson, John, Independence rd., junc. Ohio Canal
CLYDE—Clyde Brick & Tile Works
COLDWATER—Walters, A. X.
COLLINWOOD — Collinwood-Deckman-Duty Co. (Vitrified Sewer)

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COLUMBUS—Columbus Brick & Terra Cotta Co., New First Nat'l Bank bldg
Columbus Clay Products Co., Columbus Trust bldg
Conard, John A., Furnace and Ark.
Dow Brick Co., New First Nat'l B'k bldg
Ferris, Warren B. Brick Co., Columbus Savings & Trust bldg
Granite Brick Co., Dublin & Michigan avs
Ironclay Brick Co., 55 Ruggery
Kulp, J. & Son, Marion av
Schmitt Brick Co., Ann & Hanford
South Webster Brick Co., The, 576 N High
Sugar Grove Brick Co., The, 901 Harrison
CONDIT—Chadwick, W. W. (Tile)
COSHOCTON—Coshocton Brick Co.
COVINGTON—Wagner, J. G. (Tile)
CROOKSVILLE—Crooksville Brick Co.
CUYAHOGA FALLS—Keller Brick Co.
DAYTON—Boren, John W. Brick Co., Smithville, rd.
Chadwick, W. Herbert, Dakota c Summit
Dayton Brick Co., 1600 S Wayne av
Hosket, Chas. F., Springfield Pike
Parish, E. K., W 3d nr Corp Line
Telgler Bros., Patterson bldg
DELAWARE—Delaware Clay Mfg. Co.
DESHLER—Deshler Brick & Tile Mfg. Co.
DILLONVALE—Dillonvale Brick & Tile Co.
DRESDEN—Dresden Clay Works
DUPONT—Etter, Wm. T.
DUVALL—Teegarden, J. W. & Co.
EAST LIVERPOOL—East Liverpool Brick Co.
Gamble & Surles
ELMORE—Moser, H.
ELYRIA—Wallhead, Wm. L. & Sons
FOREST—Forest City Clay Works
FORT JENNINGS—Mericle, Aaron (Tile)
FRAZEYSBURG—Frazeysburg Brick & Tile Co.
FREDERICKSBURG—Redett & Sons
FREMONT—Potter, D. M.
Reynolds, Albert A. (Tile)
Riverside Fuel & Supply Co.
GALLIPOLIS — McCormick, Geo. H. & Son (Tile
GERMANTOWN—Crauder, Henry (Tile)
KLANDORF—Nartker & Schroeder
GRAND RAPIDS—Carr, D. R.
GREEN SPRING—Young, Joseph (Tile)
GREENVILLE — Richeson, Nelson & Moore (Drain Tile)
GROVE CITY—Thackery & Mapon
GUTMAN—Wehinger Bros. (Tile)
HAMILTON—Hamilton Brick Co.
HAMLER—Gibson, Jas. A. (Tile)
HAVILAND—Goble, T. L. (Tile)
HILL GROVE—Daubenmire, C. E.
HOLGATE—Weisbacker, Jno. A.
IRONTON—Ashland Fire Brick Co.
Wileman & Helbing
JAMESTOWN—Dodd & Carpenter (Tile)
JEFFERSON—Loftus, Martin
JEFFERSONVILLE—Allen, George (Tile)
JEWELL—Flory Bros. (Tile)
KALIDA—Rambo & Rimer Bros.
KENTON—Schmidt, Wiphart
LACARNE—Ballin, August
Ballin, R. C.
LANCASTER—Cowden Brick & Tile Co.
LATTY—Bailey, R. H. & J. D. (Tile)
Mustard, W. H. (Tile)
LEAVITTSBURG—Leavittsburg Brick Co.
LIMA—Simmons, A.
LOGAN—Logan Brick Mfg. Co. (Vitrified Fire
Logan Clay Product Co. Clay Building)
LOUISVILLE—Keim Brick & Tile Co.
Louisville Brick & Tile Co.
Stoneware Tile Co. (Hollow Building Brick)
McARTHUR—McArthur Brick Co.
McCLURE—Kaylor, John
McCOMB—Pendleton, Grant (Tile)
McGILL—Mumma Bros. (Tile)
MARIETTA—Cisler, Thomas & Son
MARION—Dix-Mason Brick Co.
MASSILLON—Massillon Brick Co.
Massillon Stone & Fire Brick Co.
MENDON—Fox, L. E. (Tile)
MIDDLEPORT—Middleport Brick Co.
MIDDLETOWN—Frisch, E. L. & Bros.
Smith, Wm. & Co.
MILAN—Lavey, James (Tile)
MILLERSBURG—Millersburg Brick & Tile Co.
MILLERSPORT—Brison Bros.
MINERAL CITY—Federal Clay Product Co. (Sewer, Circle, Foundations, etc.)
Holden, C. E.
Markley, Geo. J.
MINSTER—Steineman, Mrs. Anna (Tile)
MOGADORE—Colonial Pressed Brick Co.
MONROEVILLE—Mason, F. H. & Son (Tile)
MORRAL—Postle, C. H.
MOUNT GILEAD—Hickson, Joseph
McGowan & Co. (Drain Tile)
MOUNT HEALTHY—Roettele Bros.
MOUNT STERLING—Michel, George (Tile)
NAPOLEAN—Mehring Brick & Tile Co.
NELSONVILLE—Nelsonville Brick Co. (Building)
NEWARK—Vogelmeier Bros.
NEW BREMEN—New Bremen Brick Co.
NEW COMERSTOWN—Novelty Brick & Coal Co.
NEW LONDON—Richards, Samuel (Tile)
NEW WASHINGTON — Baumgartner & Co.
Seitter & Brown (Tile) (Brick & Tile)
NORTH ROBINSON—Fate, P. B. (Tile)
NORWALK—Norwalk Brick & Stone Co.
OAK HARBOR—Gleckler, Fred. (Tile)
OAK HILL—Aetna Fire Brick Co.
Davis Fire Brick Co.
Diamond Brick Co.
Jones Fire Brick & Cement Co.
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
OTTAWA—Ohio Brick & Tile Works
PAINESVILLE—Thompson, Chas.
PAULDING—Klingler Bros (Tile)
PAYNE—Garmroth, Geo.
Rahrig, Aug.
PERRYSBURG—Perrysburg Tile & Brick Co.
PICKERINGTON—Fenstermaker, W. E. (Tile)
PIQUA—Reed, Wm. Brick Works
PLAIN CITY—Plain City Brick & Tile Co.
PLEASANTVILLE—Miller, N. H.
PORTSMOUTH—Kaps Bros.
Peebles Paving Brick Co. (Sewer, Sidewalk, etc.)
Portsmouth Brick & Tile Co.
Portsmouth Paving Brick Co.
PRAIRIE DEPOT—Consolidated Tile & Brick Mfg. Co
RICHWOOD—Richwood Clay Mfg. Co.
RIVER STYX—Ream, A. (Tile)
ROCKFORD—Rockford Brick & Tile Co.
SHERWOOD—Kellermeir Bros.
SHILOH—Prame, F. J.
SOUTH ZANESVILLE—South Zanesville Sewer Pipe & Brick Co. ("Bolen's" Brown Granite & "Halwood")
SPARTA—Weaver, H. D. (Tile)
SPENCERVILLE—Schaeffer, G. W. (Tile)
SPRINGFIELD—Grube, Adam & Son, Urbana plk N of Corp. line
Grube Bros., South end of Isabella
Houck Brick Co., Rebert Pige nr State
STEUBENVILLE—Nicholson Brick Co.
STRYKER—Rumsey, J. D.
SUMMIT STATION—Columbus Clay Mfg. Co.
SYCAMORE—Althouse Bros. (Tile)
TIFFIN—Hall, John A. & Co.
Heilman Bros.
TOLEDO—Auburndale Brick Works, Nicholas bldg
Burkhart, Lawrence, Western av nr Swan Creek
Collingwood Brick Co., c Blanchard & Marston av
Ellis Brick Co., L. S. & M. S. R'y & Castle
Fox, John B. Brick Co., Lagrange boul
Kohler Brick Co., St. Clair bldg
Logan Brick Mfg. Co.
Northern Brick Co.
Ohio Brick Co.
Spear, Wm. J., L. S & M. S. R'y, nr of Tracy, F. E., 241 Ontario Central av
TORONTO—Toronto Fire Clay Co.
TRIMBLE—Trimble Brick Mfg. Co. (Building, Sewer and Sidewalk)
TROY—Troy Tile & Brick Co.
UHRICHSVILLE—Riffle, J. J.
UNION FURNACE—Columbus Brick & Terra Cotta Co.
UPPER SANDUSKY—Blaser, E. G. (Tile)
Zahn Bros.
URBANA—Schaffer, George & Son
Thackery, J. C.
VERSAILLES—Murphy, John (Tile)
WADSWORTH—Wadsworth Brick & Tile Co.
WARREN—Warren Brick & Tile Co.
Western Reserve Brick & Tile Co.
WAUSEON—Clark, S. J.
WAVERLY—Bauersach, G. A.
WAYNESFIELD—Keith Bros. & Co. (Tile)
WELLSVILLE—Champion Brick Co.
Vulcan Clay Co.
WEST UNITY—Denman, W. M. (Tile)
WICKLIFFE—Kline, John Brick Co. (Building & Sewer, Capacity 5,000,000)
WILLIAMSBURG—Williamsburg Brick Co.
WOOSTER—Wooster Shale Brick Works
YOUNGSTOWN — Bessemer Limestone Co. (Wire Cut Shale; Capacity, 225,000 per Day)
ZANESVILLE—Harris Brick Co., 28 N 2d
Oakland Pressed Brick Co., Market c 3d
Townsend, T. B. Brick & Contracting Co.

OKLAHOMA.

ARDMORE—Cathey, Lee
HENNESSEY—Lane, A. E.
McALESTER—Choctaw Pressed Brick Co.
McAlster Brick Co.
MUSKOGEE—Muskogee Vitrified Brick Co.
OKLAHOMA—American Brick & Tile Co.
Oklahoma Brick Co.
SAPULPA—Sapulpa Pressed Brick Co.
SHAWNEE—Danal, E.

OREGON.

CORVALLIS—Corbett, W. C.
NORTH YAM HILL—Withycombe, P. (Tile)
PORTLAND—Anderson, Jas., 7th c Russell
Kern, L. E., E 41st c Division
SALEM—Burton, A. A.
Murphy, J. E. (Tile)

PENNSYLVANIA.

ALLEGHENY—Lambert, R. R. Co., Charles & Charlotte
ALLENTOWN—Allentown Paving Brick Co.
Downing, Joseph, Canal, E. A.
Hausman, Wm. A.
Kichline Brick Co., S. A.
Sensenbach, Chas. C.
Swoyer Bros. Brick Co.
ALTOONA—Altoona Brick & Tile Co.
ASPERS—Penn Tile Co.
ATHENS—Van Scoten, G. L.
AUBURN—Auburn Shale Brick Co.
BEAVER FALLS—Douglass-Whisler Brick Co.
Mound Brick Co.
BERWICK—Beach Haven Brick Co.
BOSTON—Harper, C. M. C.
BRADDOCK—Keller & Milliken
BRADFORD—Alumina Shale Brick Co.
Bradford Pressed Brick Co.
Broughton, P. B. & Co.
BRIDGEVILLE—Mayer, C. P. Brick Co.
BROOKVILLE—Humphrey Brick & Tile Co.
BUTLER—Butler Brick & Tile Co.
CALIFORNIA—California Clay Mfg. Co.
CARLISLE—Carlisle Brick Co.
CARNEGIE—Fort Pitt Stone & Brick Co.
Rossyln Brick Co. (Building, Foundation & Sewer)
CHAMBERSBURG—Spahr, Jas. B.
CHARLEROI—Charleroi Brick Works
CHESTER—Law, Martha
CHICORA—Chicora Brick & Tile Co.
CLEARFIELD—Clearfield Brick Mfg. Co.
Clearfield Clay Working Co.
Clearfield Firebrick Co.
Standard Brick & Tile Co.
COLUMBIA—Columbia Brick Co.
Gohn, Daniel F.
DELPHI—Miller, Jno.
DUBOIS—Dubois Clay Mfg. Co.
Dubois & Butler Brick Co.
EASTON—Messer, John (Estate of)
Zehnder, Daniel
EAST STROUDSBURG—Zacharias, Jos. H.
EAST WAYNESBURG—Ross, J. B.
EMAUS—Binder Bros.
ERIE—Dudenhoeffer, Joseph & Co.
Dunn, Hy. C.
Genck Bros.
Paradine, T. J. & Son
FALLSTON—Fallston Fire Clay Co.
Pennsylvania Clay Co.
Standard Fire Clay Co.
FAYETTE CITY—Dinsmore Bros.
FORD CITY—Ford City Brick Co.
GETTYSBURG—Gettysburg Brick Co.
HAMBURG—Tobias & Sheridan
HANOVER—Snyder, Edw. H.
HARMARVILLE—Kountz Bros. Co.
HARRISBURG—Bigler, S. L. & Co.
Manchester Shale Brick Co.
HAYS—Hope Brick Co.
HOLLIDAYSBURG—Hart, Jos. Brick Co.
Portage Brick Co.
HOMESTEAD — Harbison-Walker Co. (Fire-Brick)
Homestead Brick Co.
HOWARD—Howard Brick Co.
HUNTINGDON—Barrick, John
IMPERIAL—Imperial Brick Co.
JOHNSTOWN—Campbell, Bruce H. Brick Co.
Johnstown Pressed Brick Co.
KANE—Kane Brick Co.
KITTANNING—Daugherty Bros. Brick Co.
Kittanning Brick & Fire Clay Co.
Kittanning Clay Mfg. Co.
KUNKLETOWN — CHESTNUT RIDGE White Brick Co. (Eight Colors) (See adv. index, end of book)
LANCASTER—Bomberger, Henry, Pearl c 2d
Pontz, Adam, Ranck's Mill rd n Grofftown rd
Pontz, Jacob, 351 W James
Wise, C. & Bro., Manor c Prospect

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LANSDALE—Scholl, S. L. & Sons
LANSDOWNE—Sullivan, Jno.
LATROBE—Latrobe Brick Co.
LEBANON—Dressel, Jno.
Peerless Brick Co.
LEHIGHTON—Graver, H. A.
LEWIS RUN—Alumina Shale Brick Co.
Broughton, P. B. & Co.
McKEESPORT—McKeesport Brick Co.
Tempest Brick Co.
MARS—Mars Brick & Tile Co.
MEYERSDALE—Duncombe, Geo. H.
MIDDLETOWN—Middletown Shale Brick Co.
MILLERSBURG—Heatherman, Jas. F.
MILTON—Fries, W. E.
MONESSEN—Monessen Brick Works
MONONGAHELA—Monongahela Clay Mfg. Co.
MORTON—Ackerman, Henry J.
MOUNT JEWETT—Mount Jewett Clay Co.
MOUNT UNION—Mount Union Silica Brick Co.
NAZARETH—Nonpareil Brick & Clay Co.
NEW BETHLEHEM—Canton Tile Hollow Brick Co.
NEW BRIGHTON—Brighton Fire Brick Co.
Ingram & Co.
NEW CASTLE—Croton Limestone & Brick Co.
Neshannock Brick & Tile Co.
New Castle Portland Cement Co.
NEW OXFORD—Allwine Bros.
Carbaugh, Wm. H.
Staub Bros.
NEWPORT—Flurie, E. E.
NEWTOWN—Worstall Bros. & Co.
NEWVILLE—Heffiefinger, W. A.
NORRISTOWN—Norristown Brick Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
OSGOOD—Morneeveck Co.
PENNSBURG—Reed & Landis
PHILADELPHIA—Aldan Brick Co., 148 N 2d
American Brick Mfg. Co., Land Title bldg
Atlantic Brick Mfg. Co., Bets bldg
Carroll, H. C. & Sons, Girard av & N 58th
Clay Product Supply Co., 1332 Walnut
Conway, William S., 58th c Walnut
Earley, John H., Nicetown lane, bel Front
Equitable Brick Mfg. Co., S 60th c Pine
Esseg & Myers, N 2d n Butler
Frankford Brick Works, Ditman & Bridge
Gesner, Thomas H. & Son, Woodland av e 63th
Goodwin, John A., 27th c Westmoreland
Hanarty, Jno. & Sons, 58th c Cedar
Hatten, Owen J., Fisher's la, n P. R. R.
Huhn, Samuel (Est.), S 33d cor Dickinson
Hydraulic Press Brick Co., Real Estate Trust bldg
Jarden Brick Co., Land Title Bldg.
Kelly, Christopher, N 6th cor Sedgley
Kelly, Patrick & Son, Olney av & Ella
Lehigh Brick Co., 27th & Cambria
Leuton Brick Co., 25th & Passy'k av
McAvoy's, Thomas B. Sons, 1345 Arch
McAvoy & Morris, S 31st c Dickinson
Mack Mfg. Co. (Building & Foundation) Land Title bldg
Murtha, D. C., N 16th c Butler
North Phila. Brick Works, 3d c Luzerne
Phila. Brick Co., 25th c Passyunk av
Rose, T. J., Brick Mfg. Co., Erie av c G.
Seitter's F. Sons, Nicetown la nr G.
Siner, H. M. & C. B., Nicetown la & K
Tansey Brick Co., 2d st pk & Godfrey av
Webster & Keyser, 30th cor Tasker
Young, Chas. A., 24th c McKean
PITTSBURG — Allegheny Brick Co., Keenan bldg
Beckett, J. W. N., Pacific av & Colombo
Blackfox Brick Co., 341 2d av
Blair Bros., Stanton av & Blair
Booth & Flinn (Ltd.), 1942 Forbes av
Boyd Hill Brick Co., Vickroy c Magee
Carbon Brick Co., Macheaney bldg
Central Brick Co., Diamond Bank bldg
Darlington Brick & Mining Co., 6366 Frankstown av
Entress Brick Co., 2240 Webster av
Iron City Brick & Stone Co., Stanton & McCandless avs
Mack Mfg. Co., Arrott bldg
McFeely Brick Co., Diamond Bank bldg
Marshall Brick Co., Alpine & Iowa
Mayer, C. P. Brick Co., Park bldg
Pennsylvania Clay Co., 421 Wood
Pittsburg-Buffalo Co., Frick bldg
Sankey Bros., 2112 Carson
Smith Bros. Brick Co., Park bldg
Squirrel Hill Brick Co., Bristol n Bigelow
Union Brick Co. (Ltd.), Westinghouse bldg
Ward, J. H. & Sons Co., Nelson n Park av
West End Stone & Brick Co. 121 Wabash
West Virginia Fire Clay Mfg. Co.
Westmoreland Brick Co., 2d Nat'l B'k bldg
PITTSTON—American Brick & Clay Mfg. Co.
POTTSTOWN—Davidheiser, F. B.
Garber, Joseph S.
Roth, Adam E
Spang, Joseph
PUNXSUTAWNEY—Nordstrom, Mrs. M. J.
QUAKERTOWN—Heckenroth, John
RALSTON—Ralston Brick Co.
READING—Kline, S., 149 N 8th, W R
Montello Brick Works
Parker, W. H., c 9th & Pike
Reading Shale Brick Co., 516 Penn
RENOVO—Renovo Firebrick & Clay Works
REYNOLDSVILLE—Evans, Thomas E.
Reynoldsville Brick & Tile Co.
RIDGWAY—Ridgway Brick Co.
ROCHESTER — Beaver Valley Roofing Tile, Brick & Terra Cotta Co.
Miller Brick Co.
ROYERSFORD—Keeley, A. T.
SCRANTON—Interstate Conduit & Brick Co.
Laurie, James, 1133 Prov rd
Scranton Vitrified Brick & Tile Mfg. Co., 329½ N Washington av
SELLERSVILLE—Willett & Clymer
SHAMOKIN—Union Brick Co.
SOUTH BETHLEHEM — Bingen Brick Co.
Groman Bros. (Ltd.)
SPRING CITY—Spring City Brick Works
STEELTON—Steelton & Harrisburg Brick Co.
TELFORD—Price, Chas. H.
UNIONTOWN—Snyder, Edw. Brick Co.
Patterson, R. I. & Co.
Union Fire Brick Co.
Uniontown Brick Co.
United Fire Brick Co.
Williams, J. V. & Co.
VANPORT—Dando, Geo. & Co.
Gloninger & Co.
Vanport Brick Co.
WARREN—Highouse, E. & Son
WASHINGTON—Donley Brick Co.
Union Stone & Brick Co.
Washington Brick Co.
WAYNESBORO—Miller, W. H.
WAYNESBURG—Waynesburg Brick & Stone Co.
WEST CHESTER—Guss, H. R.
WESTGROVE—Wilson & Cooper
WEST POINT—Vaughan, Edward
WILKES-BARRE—Dickover, Geo. T., Simon Long bldg
WILKINSBURG—Enterprise Brick & Stone Co
WILLIAMSPORT—Guise Brick & Stone Co.
WINDBER—Kelley, Wm. P. Brick Co.
YORK—Grothe, William H.
Kissinger's, Benjamin Sons
Miller, Chas. E.
Spring Garden Brick Co.
York Shale Press Brick Co.
YOUNGSVILLE—Standard Shale Brick Co.

RHODE ISLAND.

PROVIDENCE—New England Steam Brick Co.

SOUTH CAROLINA.

CAMDEN—Camden Pressed Brick Co.
CHARLESTON—Southern Hydraulic Brick Co.
DARLINGTON—Darlington Brick Co.
GAFFNEY—Gaffney Brick Co.
GREENWOOD—Mayes. W. H.
HAMBURG—Rutherford & Co.
MULLINS—Pee Dee Brick Co.
NORTH AUGUSTA—Hankinson Brick Co.
SPARTANBURG—Hanna, G. H.
SUMMERVILLE—Summerville Brick Works
SUMTER—Sumter Brick Works

SOUTH DAKOTA.

LEAD—Phillips & Bartlett
SIOUX FALLS—Sioux Falls Pressed Brick Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Press Brick Works
Chattanooga River Brick Co., W Mission-
Genter Brick Co. ary av & Belt R'y
Howard Park Brick Co., W White & Belt R'y
Southern Clay Mfg. Co. (Paving Brick)
Wells, J. W. & Bro., Harrison av nr Lauderdale
CLARKSVILLE—Settle, W. A.
COLUMBIA—Simpson, Thos.
DICKSON—Dickson Brick & Mfg. Co.
DYERSBURG—Nichols. J. M.
JACKSON—Owen & Long
Southern Tile & Brick Works
KNOXVILLE—Knoxville Brick Co.
Scott, A. A. Brick Co.
So. Knoxville Brick Co.
McKENZIE—Costen & Moore
MARTIN—Walters, Jno. G.
MEMPHIS—Lyon, C. B. & Sons, Mallory av
Tenn. Brick Co., South Exp. bldg
NASHVILLE—Bush, W. G. & Co., The Arcade
Fulcher Brick Co.
Lesueur, W. D. & C. H., Homestead bldg
Lewis, E. T. Co.
RIPLEY—Ripley Brick Co.
ROBBINS—Southern Clay Mfg. Co.
UNION CITY—Bransford, T. L.

TEXAS.

ATHENS—Athens Fire Brick Co.
Athens Pressed Brick Co. (Coleman, Chas. H. Prop.)
AUSTIN—Butler, Michael
BLOSSOM—Blossom Brick Co.
CALAVERAS—Mackey Brick & Tile Mfg. Co.
CENTER—Fleshman, S. T.
DALLAS—Atlas Press Brick Works, 291 Main
Harry, J. M. Brick Co., North Texas bldg
DENTON—Denton Press Brick Co.
ELGIN—Elgin Butler Brick & Tile Co.
EL PASO—El Paso Brick Co.
Elgin Press Brick Co.
Paul's Brick Co.
Sorenson & Morgan
FERRIS—Ferris Press Brick Co.
Globe Press Brick Co.
Lone Star Press Brick Co.
GAINESVILLE—Gainesville Brick Co.
HOUSTON—Butler Brick Co.
Houston White Brick Co.
KENNEDALE—Kennedale Brick Works
LAREDO—Johnson, S. N.
LONGVIEW—Longview Pottery (R. F. Echols, Prop.)
MARSHALL—Higgins, James
MINERAL WELLS—Mineral Wells Pressed Brick Co.
PALMER—Palmer Pressed Brick Works
SAN ANTONIO—Mackey Brick & Tile Co.
SEGUIN—Souka, Joseph
WACO—Baker, James B.
Waco Brick Co.

UTAH.

LOGAN—Logan Brick & Lime Co.
OGDEN—Calvert & Leek
Ogden Pressed Brick & Tile Co.
PROVO—Provo Pressed Brick Co.
SALT LAKE CITY—Improved Brick Co.
Salt Lake Pressed Brick Co.
Utah Fire Clay Co.

VERMONT.

EAST RYEGATE—Ryegate Brick Co.
ESSEX JUNCTION—Drury Brick & Tile Co.
RUTLAND—Rutland Fire Clay Co.

VIRGINIA.

ALEXANDRIA—Bromilow Brick Works
ARLINGTON—Virginia Brick Co.
Walker, W. T. Brick Co.
CHARLOTTESVILLE—Charlottesville Brick Co.
CHILHOWIE—Southern Clay Mfg. Co.
COVINGTON—Allegheny Brick Co.
DANVILLE—Fitzgerald, N. A. & T. J.
Watson, J. T., Sr.
ELKWOOD—Nalle & Douglas
HAMPTON—Richardson, R. H. & Son
LYNCHBURG—Adams Bros. Payne Co.
MANCHESTER—Redford, Geo. E., Maury n 12th
NORFOLK—Batchelder & Collins, 141 Water
Builders' Supply Co., Mahon av nr Brambleton av
Face, E. W. & Son, North av n River
Mayo, W. E. & Sons, Bank of Commerce bldg
Nansemond River Brick & Tile Co., 145 Water
Standard Brick Co., 249 Main
NORTON—Norton Brick Co.
PETERSBURG—Brister, Chas. M.
Turner, W. E.
RADFORD—New River Sandstone Brick Co.
RICHMOND—Balto. Brick Co., 1920½ E Main
Burroughs & Mankin, 812 E Main
Davis, W. Benjamin
Fulton Brick Works, Orleans & 2d
Powers Bros. & Maynard, Williamsburg av
Powhatan Clay Mfg. Co., 14 N 7th
Ready, Wm. J.
ROANOKE—Adams, Payne & Gleaves (Inc.) (Annual Capacity, 87,000,000)
SALEM—Pierpont, G. R.
SOUTH BOSTON—Boston Brick Co.
STRASBURG—Lemley, L. F.
STURGEON POINT—Mayo, R. W. & Sons

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SUFFOLK—Suffolk Clay Co.
WATERLOO—Clark & Crupper
New Washington Brick Co.
WEEMS—Buck, Levin T. & Co.
WINCHESTER—Barr, Edw. M.

WASHINGTON.

ABERDEEN—Stewart, A. J.
COLVILLE—Rusch Bros.
EVERETT—Everett Brick Co.
NORTH YAKIMA—Garrett Bros. Co.
SEATTLE—Builders' Brick Co., Pioneer bldg
Harper Brick & Tile Co., ft Washington
Hill Brick Co., 16 Av S & Dearborn
Lohse Brick Co., W. S. Mouth Duwamish River
Pontiac Brick & Tile Co., Burke bldg
Seattle Brick & Tile Co., 2221 Front
Washington Brick & Tile Co., New York blk
SPOKANE—Davie, J. T. & Co.
Washington Brick, Lime & Mfg. Co.
UNIONTOWN—Herboth, Geo.
WALLA WALLA—Walla Walla Brick & Tile Co.
Walla Walla Stone & Brick Co.

WEST VIRGINIA.

CHARLESTON—Kanawha Brick Co.
CLARKSBURG—Clarksburg Brick Works
Clarksburg High Grade Shale Brick Co.
ELKINS—Elkins Brick Co.
FAIRMONT—Hutchinson-Barnes Brick Co.
HUNTINGTON—West Virginia Paving & Pressed Brick Co.
HURRICANE—McCallister, Wm. H.
MARTINSBURG—Buxton, G. W.
Williams, Hedgecock & Fountain
MORGANTOWN—Morgantown Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Mack Mfg. Co. (Building & Foundation)
West Virginia Fire Clay Works
PARKERSBURG—Parkersburg Brick Works
PHILIPPI—Philippi Brick & Tile Co.
SPILMAN—Camden Clay Co.
WESTON—Weston Brick Co.
WHEELING—Suburban Brick Co.

WISCONSIN.

ATHENS—Athens Brick & Tile Co.
AUGUSTA—Johnson, W. E.
BARRONETT—Peterson, Martin
BLACK RIVER FALLS—Bright, B. H.
BLANCHARDVILLE—Blanchard, Alvin
BURLINGTON—Burlington Brick & Tile Co.
CHIPPEWA FALLS—Chippewa Brick Mfg. Co.
CUMBERLAND—Donatelle, S.
DE PERE—Hockers, Jno.
Roffers, Jno.
ELKHORN—Sprague, E. H.
FOND DU LAC—Fand du Lac Pressed Brick
GRAND RAPIDS—Lessig, John & Son
GREEN BAY—Green Bay Brick Co.
JANESVILLE—Janesville Granite Brick & Stone Co.
Janesville Red Brick Co.
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
Kemmeter Bros.
LA CROSSE—Boma, J., State rd
Kepple, H., Abattoyr rd
Meier Brick Works
Meyer, M. J., Mormon Cooley rd
Schnell, Phil.
Schnell Bros.
MADISON—Stephens, David
Wisconsin Brick Co.
MENOMONIE—Hydraulic Press Brick Co.
Wisconsin Red Pressed Brick Co.
MERRIMACK—Merrimack Brick Co.
MILWAUKEE—Burnham Bros., 525 Howell av
Davelaar, M., & Son, Ellen & Pryor av
Kraatz, Chas. Brick Co., 14 Grand av
Milwaukee Concrete & Supply Co., 414 Matthews bldg
Standard Brick Co., 496 Clement av
MONROE—Freese, Fred.
NEILLSVILLE—Schoengarth, Aug.
NESHKORO—Nest, G. J.
NEW LONDON—Prahl, August
Zerrenner Bros.
PLYMOUTH—Krause, Otto
PORTAGE—Sanborn Brick & Ice Co.
PORT WASHINGTON—Gunther Bros.
RACINE—Baumann, Wm.
Haumerson, F. H. & Sons
Hilker Bros. Brick Mfg. Co.
SCHLEISINGERVILLE—Buehring, H. W.
Rosenheimer, Jno.
SHEBOYGAN—Sheboygan Brick & Tile Co.
Zimbal Brick Co.
STEVENS POINT—Langenberg Brick Mfg. Co.
Stevens Point Brick Mfg. & Cons. Co.
UNION GROVE—Nisen, Michael
WATERTOWN—Cordes, L. H. & Co.
WHITEWATER—Whitewater Tile & Pressed Brick Mfg. Co.

WYCMING.

LARAMIE—Wyoming Pressed Brick Co.

Brick Mfrs. (Corduroy)

Columbus Clay Products Co., Columbus, Ohio

Brick Mfrs. (Cupola)

(See Cupola Linings & Blocks)

Brick Mfrs. (Dutch Clinker)

(See Brick Manufacturers, Clinker)

Brick Mfrs. (Enameled)

American Enameled Brick & Tile Co., 1 Madison av, New York
Blue Ridge Enameled Brick Co., Prudential bldg, Newark, N. J.
CARTER, BLACK & AYERS (Mfrs. Agents), 1 Madison av, New York. (See adv. index, end of book)
Gladding, McBean & Co., San Francisco, Cal. Works: Lincoln, Cal.
Los Angeles Pressed Brick & Terra Cotta Co., Los Angeles, Cal.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
SAYRE & FISHER CO. (also Ornamental), 261 B'way, New York. Works, Sayreville, N. J. (See adv. Front Inside Cover)
Stegmayer Enamel Brick Co. (Stegmayer Process), 1 Madison av, New York
Tiffany Enameled Brick Co., Main Office & Works, Momence, Ill.

Brick Mfrs. (Face)

(See Brick Manufacturers, Front)

Brick Mfrs. (Fire)

ALABAMA.

ASHBY—Ashby Brick Co.
BESSEMER—Bessemer Fire Brick Co.
BIRMINGHAM—North Birmingham Fire Brick & Proofing Co.

CALIFORNIA.

ALAMEDA—Clark, N. & Sons
LINCOLN—Gladding, McBean & Co.
LOS ANGELES—Los Angeles Pressed Brick Co.
Pacific Clay Mfg. Co., 235 S Los Angeles
St. Louis Firebrick & Clay Co., 2464 E 9th
SAN FRANCISCO—Carnegie Brick & Pottery Co., Montgomery blk
Clark, N. & Sons, 17 Spear
Forbes Bros., 1926 Sutter
Gladding, McBean & Co., Crocker bldg
Steiger Terra Cotta & Pottery Works, 18th & Division

COLORADO.

CANON CITY—Diamond Fire Brick Co.
DENVER—Denver Fire Clay Co., 1742 Champa
Denver Sewer Pipe & Clay Co., Continental bldg
PUEBLO—Standard Fire Brick Co.

CONNECTICUT.

NEW HAVEN—Howard Co., 250 Boulevard
Stow, S. J. (Stove), 763 State
NORWICH—Peck, McWilliams & Co.

DISTRICT OF COLUMBIA.

WASHINGTON—National Terra Cotta Works, 316 13th, N. W.

DELAWARE.

WILMINGTON—Delaware Terra Cotta Co.

GEORGIA.

ATLANTA—Atlanta Terra Cotta Co., 6 N Forsyth
AUGUSTA—Georgia Vitrified Brick & Clay Co.
MACON—Stevens, H. Sons & Co.

ILLINOIS.

ALTON—Alton Paving, Building & Fire Brick Co.
CARBON CLIFF—Argillo Works
CHICAGO — American Refractories Co., 115 Adams
Chicago Retort & Fire Brick Co., 45th & Lasalle
Chicago Sewer Pipe Co., 79 Dearborn
Dee, Wm. E. Co., 169 Jackson boul
Evans, E. T. & Son Co., 4437 State
NATIONAL FIRE PROOFING CO., Commercial Nat'l Bank bldg. (See adv. index, end of book)
Southern Fire Brick & Clay Co., Chamber of Commerce bldg
JOLIET—American Refractories Co.
MONMOUTH—Monmouth Mining & Mfg. Co.
OTTAWA—Chicago Retort & Fire Brick Co.
ROCK ISLAND—Argillo Works
STREATOR—Streator Clay Mfg. Co.
UTICA—Utica Fire Brick Co.

INDIANA.

EVANSVILLE—Uhl Pottery Co.
FORT WAYNE—Moellering, W. H. F.
HILLSDALE—Hillsdale Fire Brick & Clay Co.
Southern Fire Brick & Clay Co.
HUNTINGBURG — Huntingburg Dry Pressed Brick Co.
MONTEZUMA — Burns-Hancock Fire Brick & Clay Co.

IOWA.

MASON CITY—Mason City Clay Works

KANSAS.

WICHITA—Wichita Silex Brick Co.

KENTUCKY.

ASHLAND—Ashland Fire Brick Co.
FIRECLAY—Louisville Fire Brick Works
FULLERTON—Tygart Fire Brick Co.

MARYLAND.

BALTIMORE—Baltimore Retort & Fire Brick Co., Hull c Nicholson
Baltimore Terra Cotta Works, Covington & Clement
Didier-March Co., Keyser bldg
Vulcan Fire Brick Co., 218 E York
FROSTBURG—Savage Mountain Fire Brick Co.
MOUNT SAVAGE—Union Mining Co.
NORTH EAST—Columbia Brick & Plaster Co.
Green Hill Fire Brick Works
North East Fire Brick Co.
United Fire Brick Co.
ROLLINS FORK—Vulcan Fire Brick Co.
SALISBURY—Salisbury Brick Co.

MASSACHUSETTS.

BOSTON—Eastern Clay Goods Co., 79 Milk
FISKE & COMPANY (Inc.), 25 Arch. (See adv. index, end of book)
DIGHTON—Dighton Stove Lining Co.
TAUNTON—Presbrey Stove Lining Co.
Taunton Stove Lining Co.
Union Stove Lining Co.
Williams Stove Lining Co.

MICHIGAN.

DETROIT—Holmes, F. B. & Co., Hammond bldg
Houghton, Henry, Hammond bldg
Little, C. H. Co., Peninsular B'k bldg
IONIA—Ionia Pottery Co.

MINNESOTA.

MINNEAPOLIS — Northwestern Fireproofing Works, Kasota bldg
Superior Mfg. Co., 209 Hennepin av
NEW ULM—Aufderheide, Fred.

MISSOURI.

FULTON—Fulton Fire Brick Co.
KANSAS CITY—Dickey, W. S., New York Life bldg
ST. LOUIS—Blackmer & Post Pipe Co., Wainwright bldg
Evens & Howard Fire Brick Co., 920 Market
Grand View Fire Clay Mines (A. A. Van Cleave, Propr.), Dale av & Kraft
Laclede-Christy Clay Products Co.
MISSISSIPPI GLASS CO., Main & Angelica. (See adv. index, end of book)
Missouri Fire Brick Co., 411 Olive
Mitchell Clay Mfg. Co., 5625 Manchester av
Parker-Russel Mining & Mfg. Co., 722 Chestnut
St. Louis Clay Burning Co., Union boul & De Giverville av
St. Louis Vitrified & Fire Brick Co., Wainwright bldg

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NEBRASKA.

BEATRICE—Beatrice Brick Works

NEW HAMPSHIRE.

ROCHESTER—Kiesel Fire Brick Works

NEW JERSEY.

CAMDEN—Reeve, Augustus, 31 Market
JERSEY CITY—Gautier, J. H. & Co.
KEASBEY—Didier-March Co.
MAURER — **MAURER, HENRY & SON.** (All Kinds for Steel, Iron, Copper & Glass Works, Blast Furnaces, Rolling Mills, etc.). (See adv. index, end of book)
NEWARK—Sayre, Jas. R., Jr., & Co.
ROSENHAYN—Rosenhayn Face Brick Co.
SAYREVILLE—**SAYRE & FISHER CO.** (See adv. Inside Front Cover)
SOUTH AMBOY—**SOUTH AMBOY TERRA** Cotta Co. (See adv. index, end of book)
SOUTH RIVER—National Pyro Granite Co.
TRENTON—Mercer Fire Brick Co.
Superior Fire Lining Co.
Trenton Fire Brick Co.
Trenton Fire Clay & Porcelain Co., 3d & Davies
WOODBRIDGE—Berry, James E.
Mutton Hollow Fire Brick Co.
Ryan, Patrick L.
Valentine, M. D. Bro. Co.
Valentine, R. N. & H. Co.

NEW YORK.

ALBANY—Newton Fire Brick Co., Rathbone, on R. & S. R. R.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Bray & Cooper, 212 Ellicott
Buffalo Concrete Stone & Brick Co., ft Hudson
Buffalo Paragon Wall Plaster Co., 54 B'way
Lancaster Brick & Tile Co., Builders' Exch
Hall & Sons, 69 Tonawanda
Lyth, A. & Sons Co., Builders' Exch
Lyth Tile Co., 48 W Eagle
ELMIRA—Farrington, E. Ward

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Fire Brick Works, 88 Cooper, John, 111 Clay Van Dyke
Greenpoint Fire Brick Works, 111 Clay

Boroughs of Manhattan & Bronx.

NEW YORK—Darrow, Rufus, Jr., ft W 47th
Didier-March Co., 50 Church
FISKE & COMPANY (Inc.), Flat Iron bldg. (See adv. index end of book.)
FLEMING & CO. (Blue Welsh), 253 B'way. (See adv. index, end of book)
Francklyn & Ferguson (English Imported), Cotton Exch bldg
Hammill & Gillespie (Importers), 240 Front
Harbison-Walker Refractories Co., 1133 B'way
KREISCHER BRICK MFG. CO., 119 E. 23d. (See adv index, end of book)
MAURER, HENRY & SON (All Kinds for Steel, Iron, Copper & Glass Works, Blast Furnaces, Rolling Mills, etc.) 420 E 23d. (See adv. Inside Front Cover)
NATIONAL FIRE PROOFING CO., Flatiron bldg. (See adv. index, end of book)
Ostrander Fire Brick Co., 417 W 14th
Perth Amboy Fire Brick Co., 116 Liberty. Works: Perth Amboy, N. J.
Powhattan Clay Mfg. Co., 1123 B'way
SAYRE & FISHER CO., 261 B'way. (See adv. Inside Front Cover)
THOMAS, E. H. (Mfrs.' Agt.), 1123 Union Mining Co., 1 B'way B'way

Borough of Richmond.

KREISCHERVILLE—**K R E I S C H E R** Brick Mfg. Co. (See adv. index, end of book)

(End of New York City)

PEEKSKILL—Horton, S. D.
ROCHESTER—Rochester Brick & Tile Mfg. Co.
Rochester Sewer Pipe Co.
SYRACUSE—Pack, Geo. & Son
Robinson Clay Product Co.
TROY—McLeod & Henry Co. (High Grade)
Ostrander Fire Brick Co., 309 2d

NORTH CAROLINA.

POMONA—Pomona Terra Cotta Co.

OHIO.

AKRON—Akron Fire Brick Co.
Robinson Clay Product Co.
ALLIANCE—Auld, Jno. & Sons
CANTON—Columbia Fire Brick Co. ("Columbia," "Strasburg," "Eagle")
CINCINATI—Taylor's, Chas. Sons Co. (And Fire Tile)
Tygart Fire Brick Co., 706 Burns
CLEVELAND—Dover Fire Brick Co., Cuyahoga bldg
Federal Refractories Co., Superior bldg
Knauff & Esterbrook, Aetna rd, at P. R. R., S E
Lockhaven Fire Brick Co., Superior bldg
Minor Fire Brick Co., Superior bldg
National Fire Brick Co., Superior bldg
NATIONAL FIRE PROOFING CO., Cuyahoga bldg. (See adv. index, end of book)
Olive Hill Fire Brick Co., Superior bldg
Stowe-Fuller Co., Superior bldg
COAL GROVE—Petersburg Fire Brick & Tile
COLUMBUS—Acme Paving Co. Co.
Columbus Brick & Terra Cotta Co.
Columbus Macadam Co.
Ferris, Warren B. (The), Co.
DELAWARE—Delaware Clay Mfg. Co.
EMPIRE—Minor Fire Brick Co.
Standard Fire Brick Co.
Stratton Fire Clay Co.
IRONDALE—East Ohio Sewer Pipe Co.
Standard Fire Brick Co.
IRONTON—Ashland Fire Brick Co.
LOGAN—Logan Clay Product Co.
MARIETTA—Cisler, Thos. & Co.
MASSILLON—Everhard Co.
Massillon Stone & Fire Brick Co.
MILLERSBURG—Millersburg Brick & Tile Co.
MINERAL CITY—Federal Clay Product Co.
Holden, C. E.
NELSONVILLE—Hocking Valley Fire Clay Co.
NILES—Niles Fire Brick Co.
OAK HILL—Davis Fire Brick Co.
Jones Fire Brick & Cement Co.
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
PORTSMOUTH—Portsmouth Refractories Co.
SCIOTOVILLE—Scioto Fire Brick Co.
STRASBURG—Columbia Fire Brick Co.
Dover Fire Brick Co.
National Fire Brick Co.
TORONTO—Toronto Fire Clay Co.
UHRICHSVILLE—Buckeye Fire Clay Co.
YOUNGSTOWN—Bessemer Limestone Co.
ZANESVILLE—Harris Brick Co., 28 N 2d
Townsend, T. B. Brick & Contracting Co.

PENNSYLVANIA.

ALLENTOWN—Downing, Joseph
BEECH CREEK—Penna. Fire Brick Co.
BOLIVAR—Lincoln Fire Brick & Shape Co.
CATASAUQUA—Lehigh Fire Brick Co.
CLEARFIELD—Clearfield Clay Working Co.
CONNELLSVILLE—Soisson, Jos. Fire Brick Co.
DARLINGTON—Darlington Brick & Mining Co.
DUBOIS—DuBois Clay Mfg. Co.
FALLSTON—Fallston Fire Clay Co.
Standard Fire Clay Co.
JOHNSTOWN—Haws, A. J. & Sons (Ltd.)
Savage Fire Brick Co.
Swank's, Hiram Sons
LATROBE—McFeeley Brick Co.
LAYTON—Harbison-Walker Refractories Co.
Layton Fire Clay Co.
LOCK HAVEN—Lock Haven Fire Brick Co.
Queen's Run Fire Brick Co.
LOCKPORT—Gardner, James, Jr., Co.
MANORVILLE—Harbison-Walker Refractories Co.
MILL HALL—Harbison-Walker Refractories Co.
Mill Hall Brick Works
MONACA—Welch-Bright Co.
MONONGAHELA—Courtney Fire Brick Co.
Monongahela Clay Mfg. Co.
MOUNT BRADDOCK — Eureka Fire Brick Works
MOUNT UNION—Mount Union Silica Brick Co.
NEW BRIGHTON—Barnes, S. Co. (Ltd.)
Brighton Fire Brick Co.
Smith, A. F. Co.
NEWCASTLE—Croton Limestone & Brick Co.
Neshannock Brick & Tile Co.
Newcastle Portland Cement Co.
ORVIS—Hayes Run Fire Brick Co. (Difficult Shapes a Specialty)
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PHILADELPHIA—Borgner, Cyrus Co., 23d ab Boulter Mfg. Co., 1617 North Race
Hyzer & Lewellen, 952 N 9th
Kolb, G. & W., Meadow c Jackson
MAURER, HENRY & SON (All Kinds for Steel, Iron, Copper & Glass Works, Blast Furnaces, Rolling Mills, etc.), Penna. bldg. (See Inside Front Cover)
NATIONAL FIRE PROOFING CO., Land Title bldg. (See adv. index, end of book)
Phila. Clay Material Co., 4629 Girard av
Phila. Fire Brick Works, 2306 Vine
Remmey, Rich. C. Sons Co., 2637 E Cumberland
Sandy Ridge Fire Brick Co., Crozer bldg
Sweeney, Geo. & Co., 1334 Ridge av
Trenton Fire Brick Co., 1328 N 9th
PITTSBURG—American Sewer Pipe Co., Bessemer bldg
Bickford Fire Brick Co.
Blackfox Brick Co.
Clarion Fire Brick Co., Fulton bldg
Clearfield Fire Brick Co., Ferguson bldg
Dando, Geo. & Co., Fulton bldg
Dunbar Fire Brick Co., Arrott bldg
Harbison-Walker Refractories Co., Farmers' Bank bldg
Kier Fire Brick Co., 341 6th av
Lincoln Fire Brick & Shape Co., Farmers' Bank bldg
McLain, E. S. & Son, Fulton bldg
Manown Mfg. Co. (Also Sleeves, Nozzles & Runner, etc., for Open Hearth & Bessemer Steel Works, etc.). 232 5th av
Mount Savage Fire Brick Co., 347 4th av
NATIONAL FIRE PROOFING CO., Fulton bldg. (See adv. index, end of book)
Pennsylvania Fire Brick Co., Diamond B'k bldg
Pittsburg Clay Product Co., Keenan bldg
Reese, Isaac & Sons Co., Farmers' Bank bldg
Savage Fire Brick Co., Park bldg
Standard Fire Brick Co., Empire bldg
Union Mining Co., 345 4th av
Vanport Brick Co., Farmers' Bank bldg
West Virginia Fire Clay Mfg. Co.
PITTSTON—American Brick & Clay Mfg. Co.
READING—Fox, E. S. & Co.
Reading Fire Brick Works, 4th c Canal
RENOVO—Renovo Fire Brick & Clay Works
ROBINSON—Garfield Fire Clay Co. (Also Sleeves, Nozzles & Runner, etc.), for Open Hearth & Bessemer Steel Works, etc.)
ROCHESTER—Miller Brick Co.
ROYERSFORD—Rogers & Co.
SALINA—Kier Fire Brick Co.
SANDY RIDGE—Sandy Ridge Fire Brick Co.
ST. MARYS—Elk Fire Brick Co.
SCRANTON—Interstate Conduit & Brick Co.
SHARON—Sharon Fire Brick Co.
SOUTH FORK—South Fork Fire Brick Co.
VANPORT—Dando, Geo. & Co.
WEST DROATUR—Wynn, W. H. & Co. (Inc.)
WILLIAMS—Savage Fire Brick Co.
WILLIAMSPORT—Burns Fire Brick Co.
WOODLAND—Harbison-Walker Refractories Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Sewer Pipe & Southern Clay Mfg. Co. Fire Brick Co.

TEXAS.

ATHENS—Athens Fire Brick Co.

UTAH.

OGDEN—Ogden Sewer Pipe & Clay Co.
SALT LAKE CITY—Salt Lake Fire Brick & Tile Co.

VERMONT.

RUTLAND—RUTLAND FIRE CLAY CO. (See adv. index, end of book)

VIRGINIA.

RICHMOND—Powhatan Clay Co.

WASHINGTON.

AUBURN—Northern Clay Products Co.
LITTLE FALLS—Little Falls Fire Clay Co.
SEATTLE—Denny-Renton Clay & Coal Co.
SPOKANE—American Fire Brick Co.
Washington Brick, Lime & Mfg. Co.

WEST VIRGINIA.

FAIRMONT—Hammond Fire Brick Co.
NEW CUMBERLAND—Claymont Brick Works
Mack Mfg. Co.
West Virginia Fire Clay Works

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Brick Mfrs. (Fire Flashed)

Acme Brick Co., Cayuga, Ind.
Iron Clay Brick Co., Ruggery bldg, Columbus, Ohio
Columbus & Hocking Clay & Brick Co., Harrison bldg, Columbus, Ohio
Federal Clay Product Co., Mineral City, O.
KREISCHER BRICK MFG. CO., 119 E 23d New York. Works: Kreischerville, S. I., N. Y. (See adv. index, end of book)
Orchard Knob Clay Works Co., Ironton, O.
Progress Press Brick & Machine Co., 3205 S King's Highway, St. Louis, Mo.
SAYRE & FISHER CO., 261 Broadway, N. Y. Works: Sayreville, N. J. (See adv. Front Inside Cover)
Shawnee Flash Brick Co., Brunson bldg, Columbus, Ohio

Brick Mfrs. (Front)

Firms indicated by a dagger (†) in front of their name manufacture both Standard & Roman sizes.

Manufacturers of Ornamental shapes are indicated thus (Also Ornamental) between their name and address.

CONSULT INDEX OF CONTENTS FOR OTHER BRICK & CLAY PRODUCTS.

ALABAMA.

BIRMINGHAM—Copeland Brick Co.
COALDALE—Southern Clay Mfg. Co.
MONTGOMERY—Holt Brick Co.

ARKANSAS.

HELENA—Straub Pressed Brick Co.
MALVERN—Clark Pressed Brick Co. (Red & Ornamental)

CALIFORNIA.

LINCOLN—†Gladding, McBean & Co. (Buff & Ornamental)
LOS ANGELES—California Ornamental Brick Co., Mason Opera House
†Los Angeles Pressed Brick Co. (All Shapes & Colors), Union Trust bldg
SAN FRANCISCO—Carnegie Brick & Pottery Co., Montgomery blk
Clark, N. & Sons, 17 Spear
†Gladding, McBean & Co. (Buff & Ornamental), Crocker bldg
Golden Gate Brick Co., 418 Market
Steiger Terra Cotta & Pottery Works, 18th & Division
STOCKTON—San Joaquin Brick Co.

COLORADO.

BOULDER—Boulder Pressed Brick & Lumber
DENVER—Boulder Shale Brick Ass'n Co.
Colfax Pressed Brick Co., Exchange bldg
Denver Pressed Brick Co., Temple ct
Denver Sewer Pipe & Clay Co., Continental bldg
Fairview Brick Co., Continental bldg
PUEBLO—Summit Pressed Brick & Tile Co.

CONNECTICUT.

BERLIN—Merwin, C. P. Brick Co.
HARTFORD—Hartford Faience Co. (Enameled)
NEW HAVEN—Davis, W. E. & Co., 693 Orange
Howard Co., 250 Boulevard
Montowese Brick Co., 116 Church
Stiles, I. L. & Son Brick Co., 335 East

DELAWARE.

WILMINGTON—Oberly, Jas. B.

DISTRICT OF COLUMBIA.

WASHINGTON — Hydraulic Press Brick Co. (Buff, Red & Ornamental), Colorado bldg
Potomac Brick Co., 1413 G, N W
Virginia Brick Co., Colorado bldg
Walker, W. T. Brick Co., Corcoran bldg
Washington Brick & Terra Cotta Co., H., N W
West Bros. Brick Co., 729 15th, N W

GEORGIA.

ATLANTA—Chattahoochee Brick Co. (Red)
AUGUSTA—Georgia Vitrified Brick & Clay Co.
COLUMBUS—Berry, Geo. O. & A. F.
MACON—Stevens', H. Sons & Co.
ROME—Rome Brick Co. (Buff & Red)

ILLINOIS.

ALTON—Acme Pressed Brick Co.
BARTONVILLE—Randall, Albert
BEARDSTOWN—Meyer, H. C.
BELLEVILLE—Belleville Brick Co. (Red, Press-Standard Brick Co. ed & Ornamental)
BLOOMINGTON — Bloomington Pressed Brick Co.
CHICAGO—American Brick Co., 4500 S Robey
American Sand-Lime Brick Co., 77 Jackson boul
Bach Brick Co., 192 W Montrose av
Burke, Alex. S., 40th av & W 19th
Chicago Brick Co., Chamber of Com. bldg
Dee, W. E. Co., 169 Jackson boul
Hydraulic Press Brick Co. (Buff, Red & Ornamental), 138 Washington
Illinois Brick Co., Chamber of Com. bldg
Jenkins & Reynolds Co. (Mfrs.' Agts. Buff & Red), Chamber of Com. bldg
Kemnitz & Schneider, 1258 Oakdale av
Kimbell, S. S., Brick Co., 138 Wash'n
Labahn Brick Co., 92 Lasalle
Moulding, Thos. Co. (Mfrs. Agts.), Chamber of Commerce bldg
Murphy & Lorimer Brick Co., 947 The Rookery
National Brick Co., 84 Lasalle
Sexton, Jno. M. L., 39th & Leavitt
COLLINSVILLE—Hydraulic Pressed Brick Co.
DANVILLE—Western Brick Co. (Red Repressed, Sand, Mould & Wire Cut)
DECATUR—Decatur Brick Co.
EDWARDSVILLE—Richards Brick Co.
HAMPSHIRE—Backus & Sholes
LA SALLE—†La Salle Pressed Brick Co. (Buff, Red & Ornamental)
MOMENCE—Tiffany Enameled Brick Co. (Red
PAWNEE—Farnum, L. C. & Ornamental)
QUINCY—Gem City Press Brick Co.
ROCK ISLAND—Black Hawk Clay Mfg. Co.
STREATOR—Barr Clay Co.
Streator Paving Brick Co.
TROY—Troy Pressed Brick Co.

INDIANA.

ANDERSON—Indiana Brick Co. (Sand Moulded Face)
BRAZIL—Brazil Clay Co. (Buff Iron Spot, etc.)
Indiana Paving Brick & Block Co.
BROOK—Brook Terra Cotta, Tile & Brick Co.
CAYUGA—Acme Brick Co. (Red, Buff, Mottled, Gray, Brown & Black, Flashed, etc.)
Cayuga Brick & Coal Co. (Buff & Red)
EVANSVILLE—Evansville Pressed Brick Co.
HILLSDALE—Hillsdale Fire Brick & Clay Co.
HUNTINGBURG — Huntingburg Dry Press Brick Co.
INDIANAPOLIS—Adams Brick Co., 230 E Marion Brick Works (Red) Ohio
NEW ALBANY—Goetz Pressed Brick Co.
TERRE HAUTE—Terre Haute Pressed Brick Co

INDIAN TERRITORY.

ADA—Ada Pressed Brick & Tile Co.
CHICKASHA—Chickasha Shale Brick Co.
SAPULPA—Sapulpa Pressed Brick Co.

IOWA.

DES MOINES—Des Moines Clay Mfg. Co.
Iowa Brick Mfg. Co.
GLADBROOK—Gethmann Brick Co.
GRAND JUNCTION—Goodwin Tile & Brick Co. (Buff, Standard Shapes Only)
JEWELL—Jewell Brick & Tile Co.
LEHIGH—Campbell, James
Lehigh Clay Products Co.
MASON CITY—American Brick & Tile Co.
Mason City Brick & Tile Co.
Mason City Clay Works
MONTICELLO—Dautremont, Frank
MUSCATINE—Muscatine Pressed Brick Co.
SERGEANT BLUFFS—Holman, C. J. & Bro.
SIOUX CITY—Sioux City Brick & Tile Works
VAN METER—Platt Pressed & Fire Brick Co.
WEBSTER CITY—Webster City Brick & Tile Co.

KANSAS.

CHANUTE—Hydraulic Brick Co.
CHERRYVALE—Southwestern Brick Co.
COFFEYVILLE—Coffeyville Pottery & Clay Co.
Coffeyville Shale Brick Co.
Coffeyville Vitrified Brick & Tile Co.
IOLA—Union Brick Co. (Repressed, etc.)
TOPEKA—Capital City Vitrified Brick & Paving Co.
VANCE—Warner, C. F.
WICHITA—Wichita Silex Brick Co.

KENTUCKY.

COVINGTON—Busse Brick Co.
FULTON—Bransford, G. H. & Son
LEXINGTON—Lexington Brick Co.
LOUISVILLE—Hydraulic Brick Co. (Inc.), 2301 12th
MAYSVILLE—Spahr Pressed Brick Works
NEWPORT—Newport Pressed Brick & Stone Co.
OWENSBORO—Owensboro Press Brick Co.
Owensboro Sand-Lime Brick Co.
PADUCAH—Katterjohn Brick Co.

LOUISIANA.

BATON ROUGE—Baton Rouge Brickyard
NEW ORLEANS—Pelican Pressed Brick Co.
Salmen Brick & Lumber Co. (Ltd.)

MAINE.

LEWISTON—Libby, Horace, 544 Main
SACO—Saco Brick Co.
WATERVILLE—Purinton, Horace Co.

MARYLAND.

BALTIMORE—Baltimore Brick Co. (Red), Maryland Trust bldg
Burns & Russell Co., American bldg
Independent Brick Co., Philadelphia rd
CAMBRIDGE—Leonard, J. C.
CUMBERLAND—Queen City Brick & Tile Co.
EASTON—White, J. H. & Son
ST. MICHAELS—Hope, Clifton
SALISBURY—Salisbury Brick Co.

MASSACHUSETTS.

BOSTON—**FISKE & COMPANY (Inc.)** (All Colors & Shapes), 25 Arch. (See adv. index, end of book)
Phila. & Boston Face Brick Co. (Light & Red), 165 Milk
IPSWITCH—Brown, J. A.
NORTH ADAMS—North Adams Brick Co.
NORTHAMPTON—Bailey, Wm. A.
SPRINGFIELD—Curtis, D. J., 77 Everett

MICHIGAN.

GLIO—Oliff, Thos.
DETROIT—Clippert, Geo. H. & Bro. Brick Co., 1960 Michigan av
Michigan Pressed Brick Co., Lawton av & M C R R
GRAND RAPIDS—Valley City Brick Co., Fuller & E Bridge
IONIA—Vanderheyden, Fred. H.
OWOSSO—Frieseke, J. & H.
PONTIAC—Osmun, W. H., Jr.
ZEELAND—Zeeland Brick Co.

MINNESOTA.

ALBERT LEA—Albert Lea Brick & Tile Co.
CHASKA—Greiner & Corning (Buff) (Buff)
DRESBACH—Remp, R.
MINNEAPOLIS—Wisconsin Red Pressed Brick Co.
Martin Brick Co., 504 Hennepin av
Wisconsin Red Pressed Brick Co.
NEW ULM—Aufderheide, F. W.
ST. PAUL—Greiner & Corning (Buff)
St. Paul Brick Co., ft of Warsaw & Stewart av
Twin City Brick Co. (Buff, Red & Ornamental), Manhattan bldg
SHAKOPEE—Schroeder Brick & Lime Mfg. Co.
SPRINGFIELD—Ochs, A. C.
WARREN—Lundgren, August

MISSISSIPPI.

YAZOO CITY—Montgomery Land Co.

MISSOURI.

BRUNSWICK—Brunswick Brick & Tile Mfg. Co.
CAPE GIRARDEAU—Cape Girardeau Pressed Brick Co.
CREIGHTON—Creighton Clay Co.
FESTUS—Festus Pressed Brick Co.
JACKSON—Kasten & Schmuke Pressed Brick Co.
KANSAS CITY—Dickey, W. S. Clay Mfg. Co. (Buff & Red, Standard Shapes Only), N. Y. Life bldg
Flanagan Bros. Mfg. Co., 2d nr Lydia
Hydraulic Press Brick Co. (Buff, Red & Ornamental), Gumbel bldg
Pittsburg Vitrified Paving & Building Brick Co. (Red & Buff), Postal Tel. bldg
LEXINGTON—Lexington Triumph Press Brick Co.
ST. CHARLES—St. Charles Brick Co.
ST. JOSEPH—St. Joseph Pressed Brick Co.

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College Hill Press Brick Works, 1400 College av
Hydraulic Press Brick Co. (Buff, Red & Ornamental), 705 Olive
†Ittner, Anthony Brick Co. (Red & Ornamental), Odd Fellows' bldg
†McEwing & Thomas (Buff, Red & Ornamental), 202 N 9th
Missouri Fire Brick Co., 411 Olive
Missouri Press Brick & Improvement Co., Marine av c Osage
National Pressed Brick Co., 721 Olive
Progress Press Brick & Machine Co. (All Colors & Shapes), King's Highway
St. Louis Press Brick Co., Cass av & Collins
Superior Press Brick Co., 3190 King's Highway
Winkle Terra Cotta Co., Century bldg

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Butte Sewer Pipe & Tile Co., 27 W

NEBRASKA.

HASTINGS—Hastings Pressed Brick Co.
Polenske Bros. & Co.
Polenske, Schellak & Co.
OMAHA—Hydraulic Press Brick Co. (Buff, Red & Ornamental)
Smith Brick Co.

NEVADA.

RENO—Reno Pressed Brick Co.

NEW HAMPSHIRE.

DOVER—Gage, Elbridge G.
GONIC—Boston Brick Co.

NEW JERSEY.

HACKENSACK—Gills, J. W.
LITTLE FERRY—Mehrhof, Philip
Mehrhof Brick Co.
NEWARK—Blue Ridge Enameled Brick Co.
Sayre, Jas. R., J., & Co., 2d Wharf S of Center st depot
OLD BRIDGE—Old Bridge Enameled Brick & Tile Co. (Enameled)
ROSENHAYN—†Rosenhayn Face Brick Co.
SAYREVILLE—**SAYRE & FISHER CO.** (See adv. Front Inside Cover)
SOUTH RIVER—National Pyrogranite Co.
Pettit & Co.
Pettit & Cook Co.
South River Brick Co.
Yates Bros.
TRENTON—Applegate & Co., Pennington av
Donahoe & Nolan, Kirkbride & Calhoun
Fell & Roberts (Red & Ornamental), 501 Calhoun

NEW MEXICO.

ALBUQUERQUE—Albuquerque Pressed Brick & Tile Co.

NEW YORK.

ALBANY—Smith, Edw. J., 1st av
BUFFALO—Brush Bros. (Buff, Red & Ornamental), 975 Bailey av
Buffalo Clay Mfg. Co., 41 Franklin
Dietschler, John
Lancaster Brick & Tile Co., Builders' Exch.
Lyth Tile Co., 48 W Eagle
Schmidt, G. W., 699 Bailey av
CANANDAIGUA—†New York Press Brick Co. (Buff, Red & Ornamental)
CARTHAGE—Wrape & Peck
JAMESTOWN—Jamestown Shale Paving Brick Co.
KREISCHERVILLE—(See New York City, Borough of Richmond)
LA SALLE—La Salle Brick Works

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

NEW YORK—**CARTER, BLACK & Ayers** (Mfrs. Agts.), 1 Madison av. (See adv. index, end of book)
CHESTNUT RIDGE WHITE BRICK Co. (Eight Colors), 121 W 42d. (See adv. index, end of book)
FISKE & COMPANY (Inc.) (All Colors & Shapes), Flat Iron bldg. (See adv. index end of book)
Harbison-Walker Refractories Co., 1123 Broadway
Hydraulic Press Brick Co. (Buff, Red & Ornamental), 289 4th av
KREISCHER BRICK MFG. CO. (Buff, Mottled & Ornamental, All Kinds), 119 E 23d. (See adv. index, end of book)
Ohio Mining & Mfg. Co. (Buff & Red), 96 Wall
†Powhatan Clay Mfg. Co. (White, Silver Grey & Salt & Pepper Grey), 1123 B'way
SAYRE & FISHER CO. (Various Colors, Plain & Ornamental), 261 B'way. (See adv. Front Inside Cover)
Shawmut Clay Mfg. Co. (Salt Glazed), 182 B'way
THOMAS, E. H. (Mfrs' Agt.), (Buff & Red), 1123 B'way

Borough of Richmond.

KREISCHERVILLE—**KREISCHER BRICK** Mfg. Co. (Buff, Mottled & Ornamental, All Kinds). (See adv. index, end of book)

(End of New York City)

OLEAN—Olean Pressed Brick Co.
ROCHESTER—New York Press Brick Co. (Terra Cotta, Buff, Red & Ornamental), 27 St.
Rochester Composite Brick Co. Paul
Rochester German Brick & Tile Co.
SYRACUSE—Onondago Vitrified Brick Co., 611 S. A. & K. bldg
Robinson Clay Product Co. (Fire & Press), 401 Fulton
UTICA—Utica Brick & Tile Co.
WATERTOWN—Watertown Pressed Brick Co. (Red), 240 Main

NORTH CAROLINA.

ASHEVILLE—Asheville Brick Works
Hildebrand, D. S.
CHARLOTTE—Charlotte Brick Co.
ELIZABETH CITY—Elizabeth City Brick Works
POMONA—Pomona Terra Cotta Co.

OHIO.

AKRON—Akron Brick & Tile Co.
Akron Vitrified Clay Mfg. Co.
McCausland Bros., N. E. Tallmadge av
ATHENS—Athens Brick Co.
BATAVIA—Clermont Brick Co.
BRECON—Heidecker Brick Co.
CANTON—Canton Pressed Brick Co.
CINCINNATI—Austin Pressed Brick & Tile Co., 3071 Western av
CINCINNATI WALL TIE CO. (Mfrs. Agents), 206 E 5th. (See adv. index, end of book)
Moores-Coney Co., Union Trust bldg
Oakland Press-Brick Co., Mitchell & Main
Suer, B. & Sons, 23 Wuest
Suer, Herman & Sons, Sidney av n Woodburn av
CLEVELAND—Barkwill Brick Co., 75th & Kingsbury Run, S. E.
Cleveland Brick & Clay Co., Rockefeller bldg
Hydraulic Press Brick Co. (Buff, Red & Ornamental), Schofield bldg
Ohio Clay Co. (Hollow & Face Brick), Schofield bldg
Shepard, J. J. (All Colors & Shapes), 1078 W 11th, N. W.
Stowe-Fuller Co., Superior bldg
COLLINWOOD—Collinwood-Deckman-Duty Co.
COLUMBUS—Columbus Brick & Terra Cotta Co. (Fancy, Buff & Grey & Speckled)
Columbus Clay Products Co. (Red & Dark Corduroy)
Columbus Contractors' Supply Co. (Shale)
Devonshire Brick & Ceramic Co. (The) (Gem-metal, Egyptian, etc.)
Dow Brick Co., New First Nat'l B'k bldg
Ferris, Warren B. Brick Co. ("Mikado"), Col. Savings & Trust bldg
Ironclay Brick Co., Ruggery bldg
Shawnee Flash Brick Co. (Fire Flashed), Brunson bldg
COSHOCTON—Coshocton Brick Co. (Non-Spot, etc.)
DELAWARE—Delaware Clay Mfg. Co.
FREMONT—Fremont Press Brick & Mfg. Co.
HAMILTON—Hamilton Brick Co.
HANOVER—Hanover Red Pressed Brick Co.
IRONTON—Orchard Knob Clay Works Co.
LOGAN—Logan Clay Product Co. ("Logan," Glazed Vitrified)
LOUISVILLE—Louisville Brick & Tile Co.
McARTHUR—McArthur Brick Co. (Red, Buff, Brown, Grey, etc.)
MARIETTA—Acme Brick Co.
Cisler, Thos. & Son
MASSILLON—Everhard Co.
Massillon Brick Co.
MIDDLETOWN—Smith, Wm. & Co. (Buff Only)
MINERAL CITY—Federal Clay Product Co. ("Sparta" Impervious Buff, Mottled, Flashed, Plain or Glazed)
Holden, C. E.
MOGADORE—Colonial Pressed Brick Co.
NEW LEXINGTON — New Lexington Press Brick Co.
STEUBENVILLE—Nicholson Brick Co.
STRASBURG—Columbia Fire Brick Co. (Buff)
National Fire Brick Co.
TORONTO—Toronto Fire Clay Co. (Buff, Vitrified)
UHRICHSVILLE—Buckeye Fire Clay Co.
WARREN—Warren Brick & Tile Co.
Western Reserve Brick & Tile Co.
WELLSVILLE—Vulcan Clay & Brick Co.
YOUNGSTOWN—Bessemer Limestone Co.
ZANESVILLE—Harris Brick Co. (Red, Standard Shapes Only)
†Oakland Press Brick Co. (Buff, Red & Ornamental), Market & 3d
Townsend, T. B., Brick & Contracting Co. (Buff, Red, Standard Shapes Only), 195 Market

OKLAHOMA

ADA—Ada Pressed Brick & Tile Co.
SAPULPA—Sapulpa Pressed Brick Co.

PENNSYLVANIA.

ALLEGHENY—Lovatt, C. B. Co., 16 N Diamond, E. A.
ALTOONA—Altoona Brick & Tile Co.
AUBURN—Auburn Shale Brick Co. (Red)
BOSTON—Harper, C. M. C., Co.
BRADFORD—†Alumina Shale Brick Co. (Buff, Red & Ornamental)
Bradford Pressed Brick Co. (Red & Buff)
Broughton, P. B. & Co. (Red, Standard & Ornamental)
Melvin & Peterson (Red)
CHESTER—Fields Brick Co.
Law, M. W.
CLEARFIELD—Clearfield Clay Working Co.
COLUMBIA—Columbia Brick Co.
DAGUSCAHONDA—Daguscahonda Face Brick Co. (Also at St. Marys, Pa.)
DARLINGTON—Darlington Brick & Mining Co. (Buff & Ornamental)

CHESTNUT RIDGE WHITE BRICK CO. 121 W. 42nd ST., NEW YORK.
Telephone 3578 Bryant.
IMPERVIOUS FRONT BRICK. Buffs, Creams, Grays, Whites.

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DRUMMOND—Shawmut Clay Mfg. Co. (Salt Glazed)
DUBOIS—DuBois & Butler Brick Co.
DUNBAR—Pope Cement & Brick Co.
ERIE—Dudenhoefer & Co.
FALLSTON—†Fallston Fire Clay Co. (Buff & Ornamental)
HARRISBURG—Bigler, S. L. & Co.
JOHNSTOWN—Johnstown Pressed Brick Co.
KITTANNING—Kittanning Brick & Fire Clay Co. (Buff, etc.)
KUNKLETOWN—**CHESTNUT RIDGE** White Brick Co. (Eight Colors) (See adv. index, end of book)
LANSDALE—Scholl, S. L. & Sons
LEHIGHTON—Graver, H. A.
MIDDLETOWN—Middletown Shale Brick Co.
MILL HALL—Mill Hall Brick Works (Red)
MONESSEN—Monessen Brick Works
MONONGAHELA—Monongahela Clay Mfg. Co.
MOUNT UNION—Mt. Union Silica Brick Co.
NAZARETH—Nonpareil Brick & Clay Co.
NEW BRIGHTON—Ingram & Co.
NEWTOWN—Worstall Bros. & Co.
OSCEOLA MILLS—Osceola Silica & Fire
PATTON—Patton Clay Mfg. Co. Brick Co.
PHILADELPHIA—†Atlantic Brick Mfg. Co. (Buff), Betz bldg
Clay Product Supply Co., 1332 Walnut
Conway, Wm., 58th, c Walnut
Equitable Brick Mfg. Co., 60th c Pine
Hamburg Vitrified Brick Co., Land Title bldg
Hydraulic Press Brick Co. (Buff, Red & Ornamental), Real Estate Trust bldg
†Jarden Brick Co. (Red & Ornamental), Land Title bldg
McAvoy's, Thos. B. Sons, 1345 Arch
McAvoy & Morris, S., 31st & Dickinson
Murtha, D. Charles, N 16th & Butler
Phila. & Boston Face Brick Co., 24 S 7th
PINE GROVE FURNACE—†Fuller Brick & Slate Co. (Buff & Red)
PITTSBURG—Boyd Hill Brick Co., Vickroy c Magee
Central Brick Co., Diamond Bank bldg
Darlington Brick & Mining Co., 6366 Frankstown av
Dunbar Fire Brick Co. (Buff, etc.), Arrott bldg. Works, Dunbar, Pa.
Gloninger & Co., Arrott bldg.
Harbison-Walker Refractories Co. (Mottled, etc.), Farmers' B'k bldg
Kier Fire Brick Co., 341 6th av
Kittanning Brick & Fire Clay Co. (Buff, Grey & Mottled, Standard & Roman Shapes), Empire bldg
Lanz, M. & Sons, 2907 Carson
Lincoln Fire Brick & Shape Co., Farmers' B'k bldg
Mayer, C. P. Brick Co.
McLain, E. S. & Son, Fulton bldg
Pittsburg-Buffalo Co., Frick bldg
Sankey Bros., 2112 Carson
Vanport Brick Co., Farmers' Bank bldg
Westmoreland Brick Co. (Buff), 2d Nat'l Bank bldg
RALSTON—†Ralston Brick Co. (Buff & Red)
READING—Montello Brick Works
Moyer & Co., 725 Penn
Reading Shale Brick Co.
RENOVO—Renovo Fire Brick & Clay Works
RIDGWAY—Ridgway Brick Co. (Plain Ornamental, Buff, Grey, Mottled, Red, etc.)
ROCHESTER — Beaver Valley Roofing Tile, Brick & Terra Cotta Co
Miller Brick Co.
ROYERSFORD—Keeley, Allen T.
ST. MARYS—Daguscalonda Face Brick Co.
SHAMOKIN—Union Brick Co. (Buff & Red)
SHAWMUT—Shawmut Brick Works
UNIONTOWN—Williams, J. V., & Co.
WEST CHESTER—Guss, H. R. (Est. of)
YORK—Kissinger's, Benj. Sons (Red Pressed)
York Shale Press Brick Co.
YOUNGSVILLE—Standard Shale Brick Co.

RHODE ISLAND.

PROVIDENCE—*New England Steam Brick Co. (Red), Banigan bldg

SOUTH CAROLINA.

CHARLESTON—Southern Hydraulic Brick Co.
SUMMERVILLE—Summerville Brick Works
SUMTER—Sumter Brick Works

SOUTH DAKOTA.

SIOUX FALLS—Sioux Falls Pressed Brick Co

TENNESSEE.

CHATTANOOGA — Chattanooga Press Brick Works
Chattanooga River Brick Co.
Southern Clay Mfg. Co.
DYERSBURG—Nichols, J. M.
KNOXVILLE—Knoxville Brick Co.
NASHVILLE—Bush, W. G. & Co., 238 N College
Fulcher Brick Co.
RIPLEY—Ripley Brick Co.

TEXAS.

ATHENS—Coleman, Chas. H.
CALAVERAS—Mackey Brick & Tile Mfg. Co.
DALLAS—Atlas Press Brick Works, 291 Main
Harry, J. M. Brick Co., N Texas bldg
DENTON—Denton Pressed Brick Co.
EL PASO—El Paso Brick Co.
FERRIS—Atlas Pressed Brick Works
Lone Star Pressed Brick Co.
GAINESVILLE—Gainesville Brick Co.
HOUSTON—Houston White Brick Co.
MILLSAP—Acme Pressed Brick Co.
MINERAL WELLS — Mineral Wells Pressed Brick Co.

UTAH.

OGDEN—Ogden Pressed Brick & Tile Co.
PROVO—Provo Pressed Brick Co.
SALT LAKE CITY—Salt Lake Pressed Brick Co.

VIRGINIA.

DANVILLE—Fitzgerald, N. A. & T. J.
NORFOLK—Lawrenceville Brick & Tile Co.
Mayo, W. R. & Sons
Nansemond River Brick & Tile Co.
RICHMOND — †Powhattan Clay Mfg. Co (White, Silver Grey & Salt & Pepper Grey)
ROANOKE—Adams, Payne & Gleavis (Inc.)

WASHINGTON.

CHEWELAH—Chewelah Brick & Lime Co.
LITTLE FALLS—*Little Falls Fire Clay Co. (Buff, Red & Ornamental)
SEATTLE—Abrahamson, A.
Builders' Brick Co.
Denny-Renton Clay & Coal Co. (Plain & Ornamental)
Harper Brick & Tile Co.
Hill Brick Co.
Pontiac Brick & Tile Co.
SPOKANE—Washington Brick, Lime & Mfg. Co., 1st & Stevens
WALLA WALLA—Walla Walla Brick & Tile Co.

WEST VIRGINIA.

CLARKSBURG—Clarksburg Brick Works
ELKINS—Elkins Brick Co.
HURRICANE—McCallister, W. H.
NEW CUMBERLAND—Mack Mfg. Co. (Vitrified)
PARKERSBURG—Parkersburg Brick Works
PIEDMONT—Piedmont Brick & Coal Co.
WHEELING—Suburban Brick Co.

WISCONSIN.

CHIPPEWA FALLS—Chippewa Brick Mfg. Co.
GREEN BAY—Green Bay Brick Co.
JANESVILLE—Janesville Red Brick Co.
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
MADISON—Stephens, David (Cream)
MENOMONIE — Hydraulic Press Brick Co. (Buff, Red & Ornamental)
MILWAUKEE — Kraatz, Chas. Brick Co., 14 Grand av
Standard Brick Co., 496 Clement av
RACINE—Hilker Bros. Brick Mfg. Co.
SHEBOYGAN—Sheboygan Brick & Tile Co.
STEVENS POINT—Langenberg Brick Mfg. Co.
WHITEWATER—Whitewater Tile & Pressed Brick Mfg. Co.

*Brick Mfrs. (Furnace Arch & Roof)

MAURER, HENRY & SON, 420 E. 23d, New York; Penna. bldg, Phila., Pa. Works. Maurer, N. J. (See adv. Front Inside Cover)

Brick Mfrs. (Glazed)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
American Enameled Brick & Tile Co., 1 Madison av, New York
Carnegie Brick & Pottery Co., San Francisco
Federal Clay Product Co., Mineral City, O.
Logan Clay Product Co. (Vitrified, Encaustic & Rock Faced), Logan, O.
Markley, Geo. J., Mineral City, O.

Brick Mfrs. (Granite Pressed)

Granite Pressed Brick Co., Woonsocket, R. I.

*Brick Mfrs. (Harvard)

FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)

Brick Mfrs. (Hollow)

Akron Brick & Tile Co. (Shale), Akron, O.
American Brick & Tile Co., Mason City, Ia.
Bessemer Limestone Co., Youngstown, O.
Binghamton Litholite Co., Binghamton, N. Y.
Brazil Clay Co., Brazil, Ind.
Canton Tile Hollow Brick Co., New Bethlehem, Pa.
Collinwood-Deckman-Duty Co., Collinwood, O.
Columbus Clay Mfg. Co., Columbus, O.
Curtis, D. J. & Son, Hartford, Conn.
Denver Sewer Pipe & Clay Co., Denver, Col.
Ferris, Warren B. (The) Co., Columbus O.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works, Lincoln, Cal.
Greiner & Corning, St. Paul, Minn.
Hanover Brick Co., Morristown & Whippany, N. J.
Klein, C. H. Brick & Tile Co., Chaska, Minn.
McCutcheon, C. H., Lancaster, N. Y., & Builders' Ex, Buffalo, N. Y.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, Mason City, Ia.
MAURER, HENRY & SON, 420 E. 23d, New York; Penna. bldg, Phila., Pa. Works. Maurer, N. J. (See adv. Front Inside Cover)
Merwin, C. P. Brick Co., Berlin, Conn.
Millersburg Brick & Tile Co., Millersburg, O.
NATIONAL FIRE PROOFING CO., Fulton bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Ochs, A. C., Springfield, Minn.
Onondago Vitrified Brick Co., Syracuse, N. Y.
Parker-Russell Mining & Mfg. Co., 417 Pine, St. Louis, Mo.
Penna. Fireproofing Co., St. Marys, Pa.
Pittsburg & Buffalo Co., Frick bldg., Pittsburg, Pa.
Rochester Brick & Tile Mfg. Co., Powers blk, Rochester, N. Y.
SAYRE & FISHER CO., 261 B'way. N. Y., & Sayreville, N. J. (See adv. Front Inside Cover)
Sioux City Brick & Tile Works, Sioux City, Ia.
Troy Fireproofing Co., Troy, N. Y.
Whiteacre Fire Proofing Co., Waynesburg, O.

Brick Mfrs. (Magnesia)

Federal Refractories Co., Cleveland, O.

Brick Mfrs. (Magnesite)

Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa., & 1133 B'way, New York
Stowe-Fuller Co., Cleveland, O.

Brick Mfrs. (Mottled)

(See Brick Manufacturers, Pompeiian)

*Brick Mfrs. (Papestry)

FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)

Brick Mfrs. (Pompeiian)

Firms indicated by a (†) in front of their name Manufacture both Standard and Roman sizes.

Alumina Shale Brick Co., Bradford, Pa.
Atlantic Brick Mfg. Co. (Standard & Roman size), Betz bldg. Phila., Pa.
Croton Limestone & Brick Co. (Mottled & Ornamental), New Castle, Pa.
Dickey, W. S., Clay Mfg. Co. (Standard Only), N. Y. Life bldg. Kansas City, Mo.
Dunbar Fire Brick Co., Arrott bldg. Pittsburg, Pa., & Dunbar, Pa.
Everhard Co. (Mottled, etc.), Massillon, O.
†Fallston Fire Clay Co. (Mottled & Ornamental). Office & Works, Fallston, Pa.
Federal Clay Product Co., The (Mottled & Ornamental), Mineral City, O.
Ferris, Warren B (The) Brick Co., Columbus, O.
FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)

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Fulcher Brick Co., Nashville, Tenn.
†Fuller Brick & Shale Co. (Ltd.); Office & Works, Pine Grove Furnace, Pa.
†Gladding, McBean & Co. (Mottled & Ornamental), Crocker bldg, San Francisco, Cal. Works, Lincoln, Cal.
Gloninger & Co., Pittsburg, Pa., & Vanport, Pa.
†Golden Pressed & Firebrick Co. (Mottled & Ornamental), 431 15th, Denver, Col.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa., 1133 B'way, New York
Holden, C. E., Mineral City, Ohio
Ironclay Brick Co., Buggery bldg, Columbus, Ohio
†Jarden Brick Co. (Mottled & Ornamental), Land Title bldg, Phila., Pa.
KREISCHER BRICK MFG. CO., 119 E 23d, New York. Works: Kreischerville, S. I., N. Y. (See adv. index, end of book)
La Salle Pressed Brick Co., La Salle, Ill.
†McEwing & Thomas (Mottled & Ornamental), 202 N. 9th, St. Louis, Mo.
Newcastle Portland Cement Co., New Castle, Pa.
†New York Press Brick Co. (Mottled & Ornamental), 27 St. Paul, Rochester, N. Y.; Works: Canandaigua, N. Y.
Powhatan Clay Mfg. Co., Richmond, Va.; 1123 B'way, New York. Works: Clayville, Va.
†Progress Press Brick & Machine Co. (Also Ornamental), Kings Highway & Oak Hill, St. Louis, Mo.
Ralston Brick Co. (Standard Shapes Only), Ralston, Pa.
†Ridgway Brick Co., Office & Works: Ridgway, Pa.
Roseville Brick & Terra Cotta Co., Roseville, O.
†SAYRE & FISHER CO. (Mottled & Ornamental), 261 B'way, New York. Works, Sayreville, N. J. (See adv. Front Inside Cover)
Shepard, J. J. (All Colors), 1078 W 11th. N W, Cleveland, O.
Vanport Brick Co. (Standard Shapes Only), Farmers' Bank bldg, Pittsburg, Pa.

Brick Mfrs. (Porcelain)

Union Porcelain Works (Lock Arch & Straight), 300 Eckford, Brooklyn, N. Y.

Brick Mfrs. (Pressed)

(See Brick Manufacturers, Front)

Brick Mfrs. (Rock Faced)

(See Steel Brick & Rock Face Siding)

Brick Mfrs. (Sand Lime)

Aberdeen Sand-Lime Brick Co., Aberdeen, Miss.
Daleville Sand-Lime Brick Co., Daleville, Ind.
Diamond Brick Co., Muncie, Ind.
Fort Wayne Pressed Brick Co., Fort Wayne, Ind.
Genesee Sand-Lime Brick Co., Genesee, Pa.
Granite Brick Co., Columbus, O.
Kings Crown Plaster Co., Cedar Rapids, Ia.
Laketon Sand Brick Co., N Manchester, Ind.
Menominee Brick Co., Menominee, Mich.
Newburgh Brick Co., Newburgh, N. Y.
Owensboro Sand Lime Brick Co., Owensboro, Ky.
Pensacola Brick Co., Pensacola, Fla.
Savannah Brick Works, Savannah, Ga.
Schwarz System Brick Co., 24 State, New York
Sioux Falls Pressed Brick Co., Sioux Falls, S. D.
Sugar Grove Brick Co., Columbus, O.
Western Composite Brick Co., Kansas City, Mo.
Wichita Silex Brick Co., Wichita, Kan.

Brick Mfrs. (Silica)

American Refractories Co., Commercial Bank bldg, Chicago, Ill.
Blackfox Brick Co., Pittsburg, Pa.
Carbon Brick Co., Farmers' Bank bldg, Pittsburg, Pa.
Diamond Fire Brick Co., Canon City, Colo.
Everhard Co., Massillon, O.
Federal Refractories Co., Cleveland, O.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa., & 1133 B'way, New York
Haws, A. J. & Sons, Johnstown, Pa.
Kittanning Brick & Fire Clay Co., Empire bldg., Pittsburg, Pa.
Ligonier Silica Brick Co., Oakmont, Pa.
Lincoln Fire Brick & Shape Co., Bolivar, Pa., & Farmers Bank bldg, Pittsburg, Pa.
Los Angeles Pressed Brick Co., Los Angeles, Cal.
McFeely Brick Co., Diamond Bank bldg, Pittsburg, Pa.
Mount Union Silica Brick Co., Park bldg, Pittsburg, Pa.; Works: Mount Union, Pa.
Osceola Silica & Fire Brick Co. ("Coffy"), Osceola Mills, Pa.
Perth Amboy Fire Brick Co., 42 B'way, New York, & Perth Amboy, N. J.
Reese, Isaac & Sons Co. (Fire Brick), Farmers Bank bldg, Pittsburg, Pa.
Savage Fire Brick Co., Park bldg, Pittsburg, Pa.; Works: Johnstown, Pa.
Sharon Fire Brick Co., Sharon, Pa.; Works, Wellsville, O.
Soisson, Jos., Fire Brick Co., Connellsville, Pa.
Stowe-Fuller Co., Cleveland, O.
Stuart Fire Brick Co., 235 Water, Pittsburg, Pa.
White, S. A., Lewis blk., Pittsburg, Pa.

Brick Mfrs. (Talc Fire)

Cohutta Talc Co., Dalton, Ga.

Brick Mfrs. (Vitrified Paving)

(Firms Indicated by a (*) Star also Manufacture Paving Blocks)

ALABAMA.

BESSEMER—Bessemer Fire Brick Co.
BIRMINGHAM—Copeland Brick Co.
Graves Shale Paving Brick Co.
COALDALE—Southern Clay Mfg. Co.

CALIFORNIA.

LOS ANGELES—Los Angeles Pressed Brick Co. 203 S B'way
Pacific Sandstone Brick Co., 203 S B'way
South California Brick Co., 126 W 3d
SAN FRANCISCO—Carnegie Brick & Pottery Co., Montgomery blk
Clark, N. & Sons, 19 Spear

COLORADO.

DENVER—Boulder Shale Brick Ass'n
Denver Sewer Pipe & Clay Co., Continental bldg
Fairview Brick Co., Continental bldg
Silicated Brick Co., Bank blk
PUEBLO—Colorado Brick & Tile Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Anacostia Brick Co.
Potomac Brick Co., 1413 G, N W

GEORGIA.

AUGUSTA—Georgia Vitrified Brick & Clay Co.
ROME—Rome Brick Co.

ILLINOIS.

ABINGDON—Abingdon Paving Brick & Tile Co.
ALBION—Albion Vitrified Brick Co.
ALTON—Alton Paving, Building & Fire Brick
AVON—Avon Milling & Mfg. Co. Co.
BELLEVILLE—Ittner, Anthony Brick Co.
CARLINVILLE—Moody, John & Son
CHICAGO—Dee, Wm. E. Co., 114 E Quincy
Purington Paving Brick Co., 138 Wash'n
DANVILLE—Western Brick Co.
EAST PEORIA—Carter, F. R.
EDWARDSVILLE—Banner Clay Works
GALESBURG—Purington Paving Brick Co.
KANKAKEE—Kankakee Tile & Brick Co.
LODA—Loda Brick & Tile Works
MACOMB—Macomb Sewer Pipe Co.
MATTOON—Mattoon Tile Co.
MONMOUTH—Monmouth Mining & Mfg. Co.
OLNEY—Olney Paving Brick & Tile Mfg. Co.
OTTAWA—Ottawa Silica Co.
QUINCY—Gem City Paving Brick Co.
SPRINGFIELD—Springfield Paving Brick Co.
STREATOR—*Barr Clay Co.
Streator Clay Mfg. Co.
*Streator Paving Brick Co. (Side Cut, Repressed, etc.)

INDIANA.

ANDERSON—Indiana Brick Co.
BRAZIL—Excelsior Clay Co.
*Indiana Paving Brick & Block Co. (W. W. Winslow)
BROOK—Brook Terra Cotta Tile & Brick Co.
CLAY CITY—Clay City Brick & Clay Co.
CLINTON—*Clinton Paving Brick Co.
CRAWFORDSVILLE—*Poston Paving Brick Co.
INDIANAPOLIS—*Indiana Paving Brick & Block Co. (W. W. Winslow)
MARION—Marion Brick Works
MECCA—Mecca Clay Works
TERRE HAUTE—National Drain Tile Co.
Terre Haute Vitrified Brick Co.
VEEDERSBURG—*Wabash Clay Co.

IOWA.

BOONE—*Boone Brick, Tile & Paving Co.
BURLINGTON—Granite Brick Co.
CLINTON—Iowa Granite Brick Co.
DES MOINES—Des Moines Brick & Tile Co.
*Flint Brick Co.
Iowa Brick Mfg. Co.
Iowa Pipe & Tile Co.
GLADBROOK—Gethmann Brick Co. (The)
GRAND JUNCTION—Goodwin Tile & Brick Co.
MASON CITY—Mason City Brick & Tile Co.
Mason City Clay Works (Inc.)
OSKALOOSA—Oskaloosa Paving Brick Co.
OTTUMWA—Ottumwa Brick & Construction Co.
RIVERSIDE—Swift, H. L.
SIOUX CITY—Sioux City Brick & Tile Works
Sioux Paving Brick Co.

KANSAS.

ALTOONA—Altoona Vitrified Brick Co.
ATCHISON—Atchison Paving Brick Co.
CHANUTE—Chanute Cement & Clay Product Co.
COFFEEVILLE—Coffeyville Shale Brick Co.
Coffeyville Vitrified Brick & Tile Co.
COLUMBUS—Columbus Vitrified Brick & Tile
IOLA—Iola Brick Co. Co.
Union Brick Co. (Repressed, etc.)
LAWRENCE—Lawrence Vitrified Brick & Tile Co.
MOUND VALLEY — Mound Valley Vitrified
Nelson Vitrified Brick Co. Brick Co.
PITTSBURG — Pittsburg Vitrified Paving & Building Brick Co.
SALINA—Salina Vitrified Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co., 107 6th av
WICHITA—Wichita Silex Brick Co.

KENTUCKY.

FIREBRICK—Portsmouth Granite & Brick Co.
LOUISVILLE—Kentucky Vitrified Brick Co.
PADUCAH—Katterjohn Brick Co.
PRINCETON—Princeton Brick Co.

LOUISIANA.

NEW ORLEANS—Salmen Brick & Lumber Co., 712 Common

MARYLAND.

BALTIMORE—Baltimore Vitrified Clay Co., Abell bldg
Burns & Russell Co., American bldg
CUMBERLAND—*Queen City Brick & Tile Co.
FREDERICK—Frederick Brick Works

MASSACHUSETTS.

SPRINGFIELD—Standard Brick Co., 310 Main

MICHIGAN.

DETROIT—Little, C. H. Co., Peninsular B'k bldg
GRAND RAPIDS—Grand Rapids Consolidated Brick & Tiling Co., Innes av & Fuller
Valley City Brick Co., Fuller & E Bridge
SAGINAW—Michigan Paving Brick Co.
Saginaw Paving Brick Co.
Saginaw Sandstone Brick Co.

MINNESOTA.

MINNEAPOLIS—Martin Brick Co., 618 Hennepin av
Minneapolis Paving & Cement Brick Co., New York Life bldg
ST. PAUL—St. Paul Brick Co.

MISSOURI.

KANSAS CITY—Dickey, W. S. Clay Mfg. Co.
K. C. Pav. Brick & Tile Co., K. & P. bldg
Pittsburg Vitrified Paving & Building Brick Co., Postel Tel. bldg
ST. JOSEPH—St. Joseph Pressed Brick Co.
ST. LOUIS—Fehlig, J. F. (Vitrified Brick), 3500 Hickory
Hydraulic Press Brick Co., 705 Olive
Laclede-Christy Clay Products Co.
*St. Louis Clay Burning Co. (Paving), Union boul & De Giverville av
St. Louis Pressed Brick Co., Cass av & Collins
St. Louis Vitrified & Fire Brick Co., 105 N 7th

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NEW JERSEY.

MORRISTOWN—Hanover Brick Co.
SOUTH AMBOY—Perrine, H. C. & Son
SOUTH RIVER—National Pyrogranite Co.
Pettit & Co.
TRENTON—Trenton Fire Brick Co.
WHIPPANY—Hanover Brick Co.
WOODBRIDGE—Valentine, M. D. & Bro. Co

NEW YORK.

BUFFALO—Lyth, A. & Sons Co.
CORNING—Brick, Terra Cotta & Tile Co.
ELMIRA—Elmira Shale Brick Co.
HORNELL—Preston Brick Co.
JAMESTOWN—Jamestown Shale Paving Brick
JEWETTVILLE—Ellicott Brick Co. Co.
KINGSTON—Frederick Brick Co.
Hutton Co.
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
Ferris Paving Brick Co.
New England Brick Co.

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

NEW YORK—FLEMING & CO. (Adamantine Clinker), 253 B'way. (See adv. index, end of book)
KREISCHER BRICK MFG. CO., 119 E 23d. (See adv. index, end of Person & Co., 160 5th av book)
THOMAS, E. H. (Mfrs.' Agent), 1123 B'way

Borough of Richmond.

KREISCHERVILLE — KREISCHER Brick Mfg. Co. (See adv. index, end of book)

(End of New York City)

ROCHESTER—Rochester Brick & Tile Mfg.. Co.
Rochester German Brick & Tile Co.
Rochester Vulcanite Asphalt Paving Co.
SYRACUSE—Merrick, Chas. H.
UTICA—Utica Brick & Tile Co.
WATERTOWN—Watertown Pressed Brick Co.

NORTH CAROLINA.

ELIZABETH CITY—Elizabeth City Brick Works

NORTH DAKOTA.

DICKINSON—Dickinson Fire & Pressed Brick Co.
GRAND FORKS—Red River Valley Brick Corp.
KENMARE—Kenmare Brick & Coal Co.

OHIO.

AKRON—Akron Vitrified Clay Mfg. Co.
Cooper Bros.
ALLIANCE—Auld, John & Sons
ATHENS—Athens Brick Co.
CANTON — *Metropolitan Paving Brick Co. (Daily capacity, 300,000)
CINCINNATI — Blair, The J. M. Brick Co., Builders' & Traders' Ex
Clermont Brick Co., The, Union Trust bldg
Westwood Brick Co., The, Union Trust bldg
CLEVELAND—Cleveland Brick & Clay Co., Rockefeller bldg
Standard Brick Co., 4393 Bradley rd, S W
COLLINWOOD—*Collinwood-Deckman-Duty Co. (Vitrified Sewer)
COLUMBUS—Ferris, Warren B. Brick Co. (The)
CONNEAUT—United Brick Co.
GLOUSTER—*Wassall Brick Co. (Blocks)
LISBON—Excelsior Fire Clay Co.
LOGAN—*Logan Brick Mfg. Co. (Blocks)
*Logan Clay Product Co.
LOUISVILLE—Louisville Brick & Tile Co.
MARIETTA—Cisler, Thomas & Son
MASSILLON—*Massillon Stone & Fire Brick Co.
MINERAL CITY—Federal Clay Product Co.
Holden, C. E.
MOGADORE—Granite Clay Co.
NELSONVILLE—Hocking Valley Fire Clay Co.
NEW COMERSTOWN—Novelty Brick & Coal
NILES—Niles Fire Brick Co. Co.
PORTSMOUTH—Carlyle Paving Brick Co.
Peebles Paving Brick Co.
Portsmouth Paving Brick Co.
SCIOTOVILLE—Scioto Fire Brick Co. ("Union")
SOUTH ZANESVILLE—*South Zanesville Sewer Pipe & Brick Co. ("Bolen's" Brown Granite & "Halwood")
TORONTO—Toronto Fire Clay Co.
TRIMBLE—Trimble Brick Mfg. Co.
UHRICHSVILLE—Advance Fireclay Co.
Buckeye Fire Clay Co.
WELLSVILLE—Vulcan Clay & Brick Co.
WICKLIFFE—*Kline, Jno. Brick Co. ("Buckeye"), Capacity, 5,000,000)
WOOSTER—Wooster Shale Brick Works
YOUNGSTOWN—Bessemer Limestone Co.
ZANESVILLE—Harris Brick Co., 28 N 2d
*Townsend, T. B. Brick & Contracting Co.

OKLAHOMA.

BARTLESVILLE — Bartlesville Vitrified Brick Co.
ENID—Enid Vitrified Brick & Tile Co.
McALESTER—McAlester Brick Co.
MUSKOGEE—Muskogee Vitrified Brick Co.
TULSA—Tulsa Vitrified Brick Co.

OREGON.

PORTLAND—Diamond Brick Co., Ankeny st Dock

PENNSYLVANIA.

ALLENTOWN—Allentown Paving Brick Co.
BOLIVAR—Lincoln Fire Brick & Shape Co.
CAMERON—Penn Vitrified Brick Mfg. Co.
CARNEGIE—Rosslyn Brick Co. (Foundation & Sewer)
CLEARFIELD—Clearfield Clay Working Co.
Clearfield Fire Brick Co.
CONNELLSVILLE—Soisson, Jos., Fire Brick
DUBOIS—Dubois Clay Mfg. Co. Co.
Dubois & Butler Brick Co.
FALLSTON—Fallston Fire Clay Co.
HAMBURG—Hamburg Vitrified Brick Co.
HARMARVILLE—Kounts Bros. Co.
JOHNSONBURG—*Johnsonburg Vitrified Brick
JOHNSTOWN—Haws, A. J. & Sons Co.
Savage Fire Brick Co.
KITTANNING—Kittanning Brick & Fire Clay
Kittanning Clay Mfg. Co. Co.
KUSHEQUA—Kushequa Brick Co.
LAYTON—Layton Fire Clay Co.
LOCK HAVEN—Queen's Run Fire Brick Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick
PATTON—Patton Clay Mfg. Co. Co.
PAWLING—McAvoy Vitrified Brick Co.
PHILADELPHIA—Clay Product Supply Co., 1332 Walnut
Hamburg Vitrified Brick Co., Land Title bldg
*Mack Mfg. Co., Land Title bldg
PINE GROVE FURNACE—Fuller Brick & Slate Co.
PITTSBURG—*American Sewer Pipe Co., Bessemer bldg
Dunbar Fire Brick Co., Arrott bldg
Mayer, C. P. Brick Co.
Penna. Clay Co., 421 Wood
Pittsburg-Buffalo Co., Frick bldg
Savage Fire Brick Co., Park bldg
Standard Fire Brick Co., Empire bldg
Union Brick Co. (Ltd.), Westinghouse bldg
West Virginia Fire Clay Mfg. Co.
PUNXSUTAWNEY—Nordstrom, Mrs. M. J.
READING—Montello Brick Works
Reading Shale Brick Co.
ROCHESTER—Miller Brick Co.
SCRANTON—Federal Granite Brick Co.
Interstate Conduit & Brick Co.
Scranton Vitrified Brick & Tile Mfg. Co.
SHARON—Sharon Fire Brick Co.
SHAWMUT—Shawmut Brick Works
WILLIAMSPORT—*Guise Brick & Stone Co.
WINDBER—Kelley, Wm. P. Brick Co.
YOUNGSVILLE—Standard Shale Brick Co.

SOUTH CAROLINA.

KILLIAN—Killian Fire Brick Co.

TENNESSEE.

CHATTANOOGA—Southern Clay Mfg. Co.
KNOXVILLE—Knoxville Brick Co.
South Knoxville Brick Co.

TEXAS.

ATHENS—Athens Fire Brick Co.
DALLAS—Harry, J. M. Brick Co.
HOUSTON—Butler, M.
SAN ANTONIO—Mackey Brick & Tile Co.
THURBER—Texas & Pacific Coal Co.

VIRGINIA.

CHILHOWIE—Southern Clay Mfg. Co.
ROANOKE—Adams, Payne & Gleaves (Inc.)

WASHINGTON.

LITTLE FALLS—Little Falls Fire Clay Co.
SEATTLE—Denny-Renton Clay & Coal Co.
Harper Brick & Tile Co.
Pontiac Brick & Tile Co.
Seattle Brick & Tile Co.
Steele & Steele Brick & Tile Co.
SPOKANE—*Washington Brick, Lime & Mfg. Co., 1st av & Stevens

WEST VIRGINIA.

CLARKSBURG—Clarksburg Brick Works
HURRICANE—McCallister, W. H.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Mack Mfg. Co.
WHEELING—Suburban Brick Co.

WISCONSIN.

MANITOWOC—Manitowoc Clay Product Co.
MILWAUKEE—Burnham Bros., 525 Howell av
Kraatz, Chas. Brick Co., 14 Grand av
Standard Brick Co., 496 Clement av

Brick Mfrs. (White)

CHESTNUT RIDGE WHITE BRICK Co., Kunkletown, Pa., & 121 W 42d, New York. (See adv. index, end of book)
Dickey, W. S. Clay Mfg. Co. (Standard Only), New York Life bldg, Kansas City, Mo.
Ferris, Warren B. Brick Co. (The), Columbus, O.
FISKE & COMPANY (Inc.) (Also Ornamental), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)
Florida White Pressed Brick Co., Jacksonville, Fla.
*Gladding, McBean & Co. (Also Ornamental), Crocker bldg, San Francisco, Cal. Works, Lincoln, Col.
*Golden Pressed & Fire Brick Co. (Also Ornamental), 431 15th, Denver, Col.
Harbison-Walker Refractories Co., Farmers' B'k bldg, Pittsburg, Pa., & 1133 B'way, New York
Houston White Brick Co., Houston, Tex.
KREISCHER BRICK MFG. CO., 119 E 23d, New York. Works: Kreischerville, S. I., N. Y. (See adv. index, end of book)
*Los Angeles Pressed Brick Co. (Also Ornamental), Los Angeles, Cal.
Mount Holly Brick & Clay Co. (Vitrified White & Light Colored), Harrisburg, Pa.
*Powhatan Clay Mfg. Co. (Cream White in Standard Roman, Norman & Ornamental Shapes), Richmond, Va., & 1123 B'way, New York; Works: Clayville, Va.
*SAYRE & FISHER CO. (also Ornamental), 261 B'way, New York. Works: Sayreville, N. J. (See adv. Front Inside Cover)

Brick (Stove Lining)

(See Stove Linings)

*Brick & Cement Waterproofings

CABOT, SAMUEL, 141 Milk, Boston, Mass. (See adv. index & branch offices, end of book)

Brick & Stone Preservative

CABOT, SAMUEL ("Cabot's"), 141 Milk, Boston, Mass., & 28 Dearborn av., Chicago, Ill. (See adv. index & branch offices, end of book)
Parker, Preston & Co. (Inc.), Norwich, Conn.

Bricklayers

(See Builders, Contracting)

Bridge Builders (Lift)

(See Bridges, Bascule)

Bridge Builders (Re-Enforced Concrete)

(See Concrete Steel Construction, Reinforced)

Bridge Builders (Steel)

(See firms designated with a Star (*) under Steel Structural Work)

Bridge Builders (Stone)

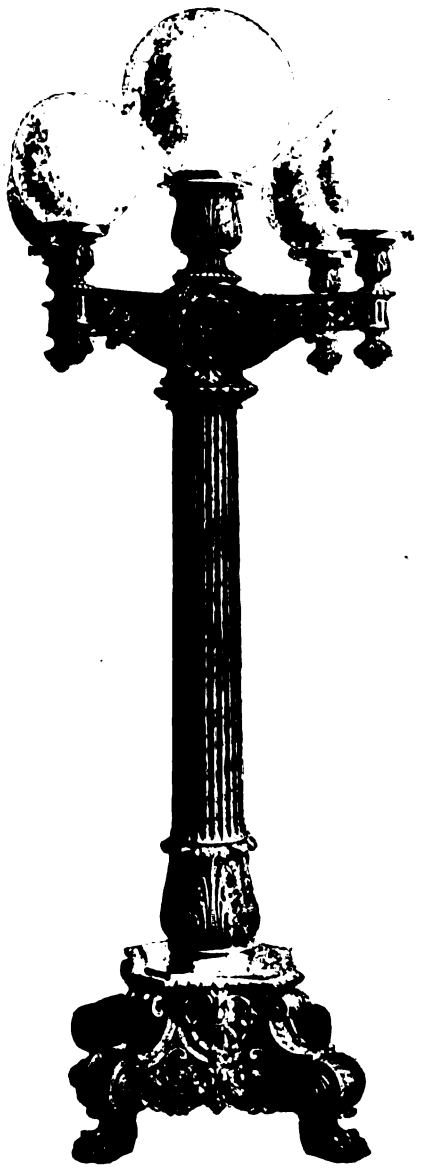
(See Contractors, General)

Bridge Caissons

(See also Caissons, Sheet Iron)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

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TROWBRIDGE & LIVINGSTON, ARCHITECTS

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STATUARY, WINDOWS, DOORS
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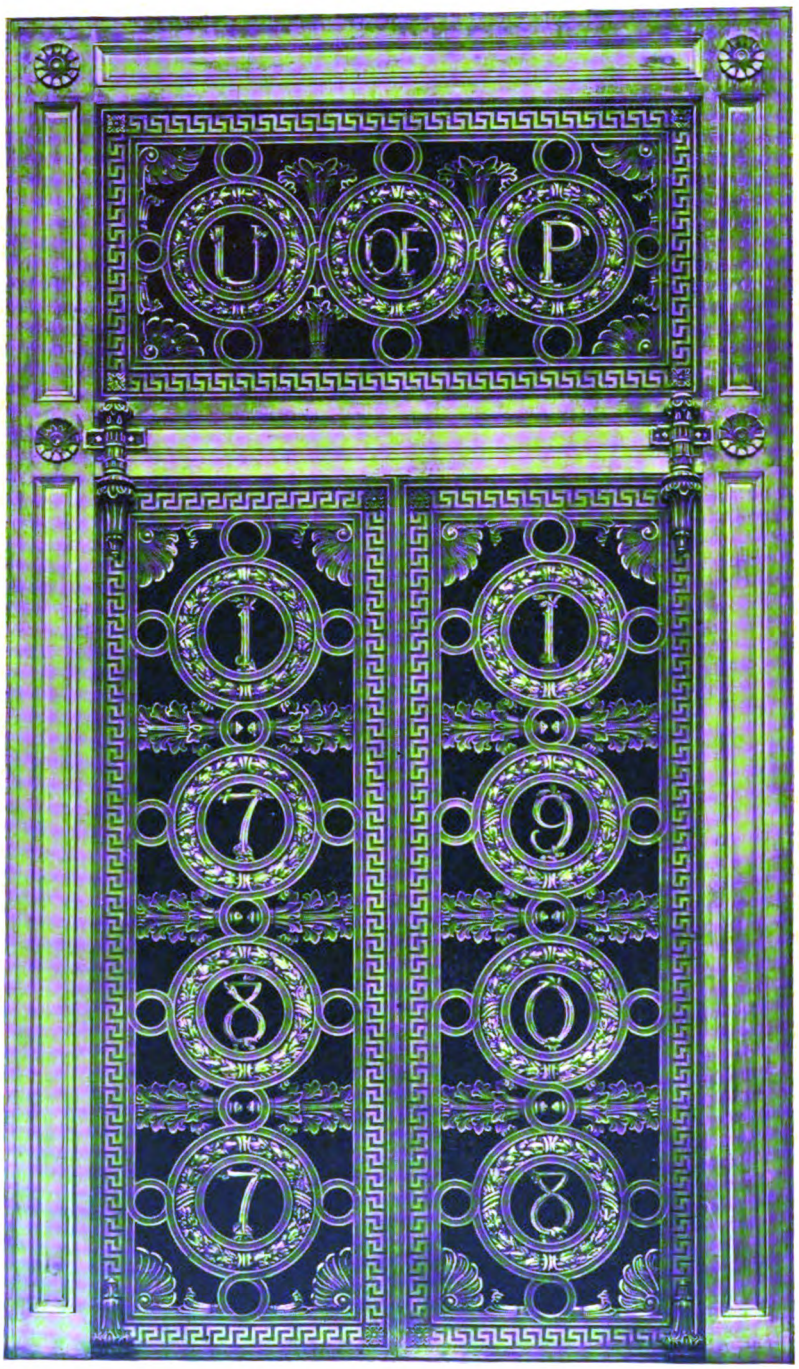
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PALMER & HORNBOSTEL, ARCHITECTS

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(SEE PRECEDING PAGE)

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Bridge Erecting Engines

(See Engines, Bridge Erecting)

Bridge Foundations

(See also Caisson Foundations)

Blome, R. S. Co., Unity bldg., Chicago, Ill.
Cowing Engineering Co., Citizens bldg, Cleveland, O.
Cranford Paving Co., Home Life bldg, Wash'n, D. C.
Cullen-Friestedt Co., Tribune bldg, Chicago, Ill.
Foundation Co. (Engineers & Contractors, Pneumatic, etc.), 115 B'way, New York
Goodwin Construction Co., 60 Wall, New York
Kahmann & McMurray, Kansas City, Mo.
McMullen, Arthur & Co., 15 Park row, New York
Masters & Mullen Construction Co., Rose bldg. Cleveland, O.
Neuchatel Asphalte Co. (Ltd.) (Concrete), 265 B'way, New York
O'Rourke Engineering Construction Co., 345 5th av, New York
Reid-Turnbull Construction Co., Penna. bldg, Phila., Pa.
Rodgers, J. C., 1929 Amsterdam av, New York
Simplex Foundation Co., North American bldg. Phila., Pa.
Sutter, Jno. H., 108 La Salle, Chicago, Ill.
Syracuse Bridge Co. (Concrete, etc.), Syracuse, N. Y.

Bridge Masonry

(See Contractors, General; also Builders, Contracting)

Bridge Railings

Albree, Chester B. Iron Works, Pittsburg, Pa.
Atlanta Wire & Iron Works Co., Atlanta, Ga.
Bayley, Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Wash'n av, Philadelphia, Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Climax Road Machine Co., Marathon, N. Y.
Clopp, Geo. B., 3717 Filbert, Philadelphia, Pa.
Crown Iron Works Co., Minneapolis, Minn.
Hallman, Oliver, Mont Clare, Pa.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
PHOENIX STEEL CO. (Inc.), Putnam & P. R. R., Pittsburg, Pa. (See adv. index, end of book)
Toledo-Massillon Bridge Co., Toledo, O.
Vilsack, Martin Co. (Ltd.), 3222 Penn av, Pittsburg, Pa.

*Bridge Rails (Steel)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)

Bridge Timbers (Creosoted)

(See Creosoting Works)

Bridges (Bascule)

American Bridge Co. (Rolling Lift), Pittsburg, Pa., & 30 Church, New York.
Canton Bridge Co., Canton, O.
Cowing Engineering Co., The (Also Swing Bridges), Citizens bldg, Cleveland, O.
Jackson, Geo. W. (Inc.) ("Borg"), 160 W Jackson, Chicago, Ill.
Kenwood Bridge Co., First Nat'l Bank bldg, Chicago, Ill.
McClintic-Marshall Cons. Co., Pittsburg, Pa.
Massillon Bridge & Structural Co., Massillon, Ohio
Penn Bridge Co., Beaver Falls, Pa.
Pittsburg Steel Cons. Co., Lewis blk, Pittsburg, Pa.
Scherzer Rolling Lift Bridge Co. (Rolling Lift), 1616 Monadnock blk, Chicago, Ill.
Strauss Bascule & Concrete Bridge Co. (Bascule & Concrete), Fort Dearborn bldg, Chicago, Ill.
STROBEL STEEL CONSTRUCTION Co. ("Ball" Bascule), Monadnock blk, Chicago, Ill.
Syracuse Bridge Co., Syracuse, N. Y.
Wallace-Coates Engineering Co., Ellsworth bldg, Chicago, Ill.

*Bridges (Coal & Ore Handling)

(See also Firms in Steel Structural Work, indicated by a (*) Star)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Bridges (Concrete Reinforced)

(See Concrete Steel Construction, Reinforced)

Bridges (Rolling Lift)

(See Bridges, Bascule)

*Bridges (Sand Handling)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Bridges (Steel Girder)

Climax Road Machine Co. (With Gas Pipe Railings), Marathon, N. Y.
Massillon Bridge & Structural Co., Massillon, Ohio
Pittsburg Steel Cons. Co., Lewis blk, Pittsburg, Pa. Works, Economy, Pa.
WORDEN-ALLEN CO., P. O. Box 528, Milwaukee, Wis. (See adv. index & branch offices, end of book)

Brimstone

(See Sulphur & Brimstone)

*Bridle Rings

STAR EXPANSION BOLT CO. ("Star"). 147 Cedar, New York. (See adv. index & branch offices, end of book)

Britannia Ware Mfrs.

Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Pia, Peter F., 129 White, New York
Prisk, Wm. M. & Co., Yalesville, Conn.
Woodman-Cook Co., Portland, Me.

Broilers

(See Cooking Apparatus)

Broilers (Electric)

American Electrical Heater Co., 121 State, Detroit, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Manhattan Electric Range Co. ("Bayno"), 150 Nassau, New York
Pronetheus Electrical Co., 41 Cortlandt, New York
Simplex Electric Heating Co., Cambridge, Mass.

Broilers (Gas)

(See Stoves, Heaters & Ranges, Gas)

Broken Stone

(See Stone, Crushed; also Trap Rock)

Bronze (Architectural, Etc.)

Acme Fancy Wire Works, Canfield & Moran, Detroit, Mich.
American Bronze Foundry Co., 73d & Woodlawn av, Chicago, Ill.
Art Brass & Wire Works, Forest av & Ellery, Detroit, Mich.
Bailey, Banks & Biddle Co., 12th & Chestnut, Phila., Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
BROWN BROS. MFG. CO., 22d & Campbell av, Chicago, Ill. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
Bureau Bros., 21st c Allegheny av, Phila., Pa.
Burkhardt, John, 614 W 55th, New York
CABARET, PAUL E. & CO., 342 W. 14th, New York. (See adv. index, end of book)
Campbell, Harry E. Co., Albany, N.Y.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
De Rome, Louis Bronze Foundry, San Francisco, Cal.
Enuphyll Bronze Co., 282 E 134th, New York.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
Federal Brass & Bronze Co., Astoria, Borough of Queens, N. Y.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
Gaumer, John L. Co., 22d & Wood, Phila., Pa.
Graf, Franz H., 322 7th av, New York
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
HALSTED, JOS. CO., 388 W. Randolph, Chicago, Ill. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., Sales Offices: 5 E 42d, New York; Works: Mount Vernon, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Janusch Mfg. Co., 496 E 134th, New York
Johnson Service Co., Milwaukee, Wis.
Jones, Jas. Co., Los Angeles, Cal.
Klaber, S. & Co., 126 W 34th, New York
Lamb, J. & R. (Inc.), 25 6th av, New York
Manhattan Brass Co., 338 E 28th, New York
Merle Ornamental Iron & Bronze Co.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Midland Metal Co., 21st S Jefferson, Phila., Pa.
Mills, Wm. J. (Doors, etc.), 639 Kent av, Brooklyn, N. Y.
Mott, J. L. Iron Works, 118 5th av, New York.
Muth, Ch., 428 Blue Island av, Chicago, Ill.
PITT, WM. R. COMPOSITE IRON Works, 138 W 24th, New York. (See adv. index, end of book)
Richey, Browne & Ronald, Maspeth, Borough of Queens, N. Y. City.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SNEAD & CO. IRON WORKS, ft. of Pine, Jersey City, N. J. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Sterling Bronze Co., 107 W 25th, New York
Tiffany Studios, 347 Madison av, New York
Tuttle & Bailey Mfg. Co., 83 Beekman, New York
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
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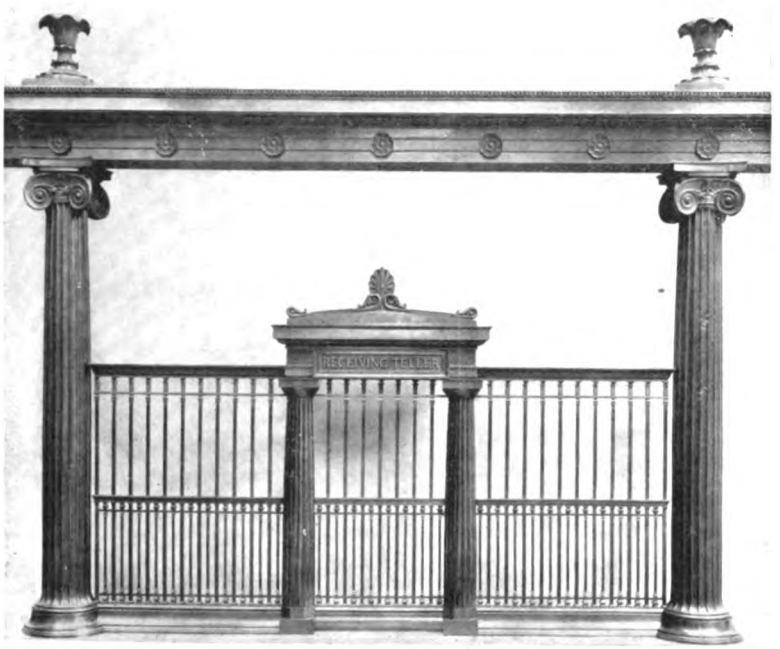
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Guinder, Chas. G. & Co., Baltimore, Md.
Hanlon & Goodman, 270 Pearl, New York
Looby, Wm. H., Centerbrook, Conn.
Lucas, John & Co., 4th & Race, Phila., Pa.
Martins', J. M. C. Sons, 116 Fulton, New York
Miles Bros. & Co., 102 Fulton, New York
Mitchell, Edwin, 241 Centre, New York
OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)
Packard, A. & Co., 166 Commercial, Boston, Mass.
Pushee, Jno. C. & Sons, Randolph & Harrison av, Boston, Mass.
Ramus, C. F. W., 125 Putnam, East Boston, Mass.
Rosenthal, H. & Bro., 420 W B'way, New York
Rubberset Brush Co., Newark, N. J.
Smith, J. Finley & Son, 117 Chambers, New York
Thull, Chas. D., 150 N 3d, Phila., Pa.
Tottle, Wm. A. & Co., Baltimore, Md.
True Bros., Portland, Me.
United Brush Mfrs., 21 Park pl, N. Y.
United Brush Supply Co., 288 Arch, Phila., Pa.
Washburn, The Ira D. Co., 1008 Central av, Cincinnati, O.
Whiting, Jno. L.-J. J. Adams Co., 690 Harrison, Boston, Mass.
Wolfe Brush Co., 511 Wood, Pittsburg, Pa.
Wooster Brush Works, Wooster, O.

Brushes (Platers', Polishers', Etc.)

Foot Mfg. Co. (Bristle & Wire Lathe, etc.), Jersey City, N. J.
Dixon, Wm. (Inc.) (Wire, Bristle, etc., "Tampico" Goat Hair), 39 John, New York
Galton Mfg. Co., Cleveland, O.
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)

Brushes (Railroad)

Galton Mfg. Co., Cleveland, O.
OSBORN MFG. CO. (All Kinds), 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Thum, Chas. D., 150 N 3d, Phila., Pa.
Wolfe Brush Co., S 15th & Bingham, Pittsburg, Pa.

Brushes (Sheet Metal)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Boque, Chas. J. Elec. Co., 513 W 29th, New York
Eureka Tempered Copper Works, North East, Pa.
Galton Mfg. Co., Cleveland, O.
Jones & Gross Elec. Co., 64 Vesey, New York
Ohio Elec. Specialty Mfg. Co., Troy, O.
Perfection Supply Co., 621 B'way, New York
Phila. Electrical & Mfg. Co., 2011 Market, Phila., Pa.
Walsh, Jno. F. Co. ("K. & W." Dynamo), Pittsfield, Mass.

Brushes (Spiral Twist)

CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Foot Mfg. Co. (Bristle for Gunsmiths, Bottles, etc.), Jersey City, N. J.
Galton Mfg. Co., Cleveland, O.
OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)

Brushes (Steel Wire)

Dean, Hy. E. & Co., Worcester, Mass
Bromwell Co., Cincinnati, O.
Galton Mfg. Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
OSBORN MFG. CO. (All Kinds), 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Stortz, John & Son, 210 Vine, Phila., Pa.

Brushes (Stencil)

Bradley & Smith, 251 Pearl, New York
Hanlon & Goodman, 270 Pearl, New York
Langill Fountain Pen & Brush Co. ("Langill" Fountain Pen & Brush), 19 Front, New York
Martin's, J. M. C. Sons, 116 Fulton, New York
Mitchell, E., 241 Centre, New York
OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)
Smith, J. F. & Son, 117 Chambers, New York
Universal Fountain Brush Co. ("Ideal" Fountain), 100 E 129th, New York
Whiting, John L.-J. J. Adams Co., 690 Harrison, Boston, Mass.

*Brushes (Whitewash)

CINCINNATI MFG. CO., 1243 W. 6th, Cincinnati, O. (See adv. index, end of book)

*Brushes (Window)

CINCINNATI MFG. CO., 1243 W. 6th, Cincinnati, O. (See adv. index, end of book)
OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)

Brushes (Woven Wire)

Barkelew Electric Mfg. Co. ("Sparkless"), Middletown, O.
Becker Bros. ("Perfection"), 68 W Washington, Chicago, Ill.
Chapin, Chas. E. ("Dickey," "Chapin"), 27 Thames, New York
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Crown Woven Wire Brush Co., Salem, Mass.
Eureka Tempered Copper Works, North East, Pa.
Galton Mfg. Co., Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. & 80 Church, New York. (See adv. index & branch offices, end of book)
Goldmark, Jas. (German-American), 83 Warren, New York
Gough, Wm. H. ("Younglove," "Gere"), Syracuse, N. Y.
Hart & Co., Fostoria, O.
McMurtry, Jas. E. & Co., 749 N Park av, Chicago, Ill.
Ohio Electric Specialty Mfg. Co., Troy, O.
Perfection Dynamo Brush Co., 85 S Clark, Chicago, Ill.
Perfection Supply Co. (Dynamo), 621 B'way, New York
Thompson-Bonney Co. ("Acme"), 45 York Brooklyn, N. Y
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Buckets (Asphalt Measuring)

Universal Road Machinery Co., 55 Liberty, New York

*Buckets (Automatic)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Buckets (Bottom Dumping)

Akron Cultivator Co., Akron, O.
Cockburn Barrow & Machine Co. ("Lockwood" Automatic), Jersey City, N. J.
Focht's, Geo. Sons, Hoboken, N. J.
Hains Concrete Mixer Co. ("Hains" Concrete), 1416 F, N W. Washington. D. C.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Insley Iron Works (Controllable Center Dump), Indianapolis, Ind.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works, Warren, O.
RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)
Sackett, H. B. Screen & Chute Co., 4210 State, Chicago, Ill.
Schalkenbach & Budke ("Cyclopean Jones" Patent), Jersey City, N. Y.
Stuebner, G. L. Iron Works ("Excelsior"), 12th & Vernon av, Long Island City, N. Y.
Tide Water Iron Works, Hoboken, N. J.
Union Iron Works, Hoboken, N. J.

Buckets (Center Dump)

Insley Iron Works, Indianapolis, Ind.

Buckets (Clam Shell)

Browning Engineering Co., Cleveland, O.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Cleveland Iron Works Co. ("Owen," "Zeman"), Cleveland, O.
DOBBIE FOUNDRY & MACHINE Co., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Excelsior Iron Works, 89 N Clinton, Chicago, Ill.
Exeter Machine Works, Pittston, Pa.
Haiss, Geo. Mfg. Co. (For Handling Coal, Sand, etc.), 363 Rider av, New York
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Hough, Wm. B. Co. ("Hercules"), Monadnock bldg, Chicago, Ill.
Industrial Works, Bay City, Mich.
Interstate Engineering Co., Bedford, O.
Kiesler Co. ("Kiesler"), 68 Pratt, Chicago, Ill.
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MEAD-MORRISON MFG. CO. (Automatic Steam Grab), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Murphy & Donnelly Boiler Co., 2511 Elm, N W, Cleveland, O.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index, end of book)
Obenberger, J. Co., 123 Barclay, Milwaukee, Wis.
Quintard Iron Works Co. ("Arnold" Pneumatic), 742 E 12th, New York
Smith, Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Stockton Iron Works (Cast Steel for Reclamation Work, etc.), Stockton, Cal.
Wellman-Seaver-Morgan Co. ("Hulett"), Cleveland, O., & Akron, O.
Williams, G. H. Co. ("Faiorette"), Rockefeller bldg, Cleveland, O.

Buckets (Coal & Ore)

(See also Tubs, Hoisting & Dumping)

Akron Cultivator Co., Akron, O.
Alliance Machine Co. (Automatic), Alliance, O.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Andresen-Evans Co., Monadnock blk, Chicago.
Aurora Boiler Works (Inc.), Aurora, Ill.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Browning Engineering Co., Cleveland, O.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Chain Belt Co., 766 Park, Milwaukee, Wis.
Clark, W. J. Co., Salem, O.
Cleveland Iron Works Co., Cleveland, O.
Davis, F. M. Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
DOBBIE FOUNDRY & MACHINE Co., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end
Dodge Mfg. Co., Mishawaka, Ind. of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Focht, Geo. Sons, 115 Adams, Hoboken, N. J.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Gregg Company (Ltd.), Newburgh, N. Y.
Haiss, Geo. Mfg. Co., 141st & Rider av, New York
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Hendy, Joshua, Machine Works (Ore), 38 Fremont, San Francisco, Cal.
Howe Scale Co. of Illinois, 1315 Wabash av, Chicago, Ill.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kiesler Co., 68 Pratt, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co. (Dump), Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Leyner, J. Geo., Engineering Works Co., Little-
Lorain Boiler Works, Lorain, O. ton, Colo.
McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works, Warren, O.
MEAD-MORRISON MFG. CO. (Automatic), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Murphy & Donnelly Boiler Co. (All Kinds), 2511 Elm, N W, Cleveland, O.
Obenberger, Jno. Co. (Automatic Dumping), Milwaukee, Wis.
Ohio Ceramic Engineering Co., Cleveland, O.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Sackett, H. B. Screen & Chute Co., 4210 State, Chicago, Ill
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Schalkenbach & Budke, Jersey City, N. J.
Seidel, Robert D., Reading, Pa.
Steinmer, Geo. L. Iron Works (Self Dumping & Righting), 12th & Vernon av, Long Island City, N. Y.
Traylor Engineering Co. (Ore Only), Allentown, Pa.
Union Iron Works, Hoboken, N. J.
Vulcan Iron Works, Wilkes-Barre, Pa.
Western Pipe & Steel Co., Los Angeles, Cal.

*Buckets (Concrete)

BROWN HOISTING MACHINERY CO. ("Dole" Bottom Dump for Submarine Work), 4403 St. Clair, N E, Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)

Buckets (Drag)

Wellman-Seaver-Morgan Co. ("Dole"), Cleveland, O.

Buckets (Dredging & Excavating)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Cleveland Iron Works Co., Cleveland, O.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Heyworth, James O. ("Heyworth-Newman"), Harvester bldg, Chicago, Ill.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kiesler Co., 68 Pratt, Chicago, Ill.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
McMyler Mfg. Co., 1799 Columbus rd., Cleveland, O. Works, Warren, O.
Page, John W. ("Page" Scraper Excavator), Security bldg, Chicago, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Smith, Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Union Iron Works, Hoboken, N. J.
Wellman-Seaver-Morgan Co. ("Hulett" Excavating), Cleveland, O.
White, Robt. Engineering Works, ft of Columbia, Brooklyn, N. Y.
Zeman Iron Works Co. ("Owen"), Cleveland, O.

*Buckets (Dump)

MARYLAND EQUIPMENT & SUPPLY Co. (Side & Bottom), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)

Buckets (Elevator)

Avery Stamping Co. ("Never-Break" Seamless Steel), Cleveland, O.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Buhl Malleable Co., Detroit, Mich.
Burrell Mfg. Co., 251 S Jefferson, Chicago, Ill.
Caldwell, H. W. & Son Co. (Seamless Steel), 17th & Western av, Chicago, Ill.
Chain Belt Co. (Malleable), 766 Park, Milwaukee, Wis.
Chalmers & Williams, Commercial Nat'l B'k bldg, Chicago, Ill.
Clark, W. J. Co. ("Salem"), Salem, O.
Cleveland Elevator Bucket Co., 104 St. Clair, N. W., Cleveland, O.
Dodge Mfg. Co., Mishawaka, Ind.
Focht's, Geo. Sons, Hoboken, N. J.
Great Western Mfg. Co., Leavenworth, Kan.
Greenwald, I. & E. Co., 720 E. Pearl, Cincinnati, O.
Hendrick Mfg. Co., Carbondale, Pa.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Link Belt Co., W. 39th cor. Stewart av. Chicago, Ill., & 299 B'way, New York
Machwirth Bros Co., 201 Oak, Buffalo, N. Y.
Marseilles Mfg. Co., Marseilles, Ill.
Mey Chain Belting Engineering Works, 77 Washington, Buffalo, N. Y.
Michigan Sprocket Chain Co., Detroit, Mich.
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moline Malleable Iron Co., St. Charles, Ill.
Nordyke & Marmon Co., 1101 W Morris, Indianapolis, Ind.
Moore & Lorenz Co. ("Salem" for Grain), 816-822 Fulton, Chicago, Ill.
Pennsylvania Engineering Works, New Castle, Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Prims Machinery Co., Battle Creek, Mich.
Robins Conveying Belt Co., Passaic, N. J.
Sackett, H. B. Screen & Chute Co., 4210 State, Chicago, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)
Schmahl, Jacob, 26 Lloyd, Buffalo, N. Y
Skillin & Richards Mfg. Co., 127 Fulton, Chicago, Ill.
Specialty Engineering Co., 1908 E Westmoreland, Phila., Pa.
Standard Sand & Machine Co., 5157 St. Clair, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S. A."), Aurora, Ill.
Taylor Iron & Steel Co., High Bridge, N. J.
Union Iron Works, Hoboken, N. J.
Union Iron Works (Inc.), Spokane, Wash.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E. North av, Chicago, Ill. (See adv. index, end of book)

Buckets (Fibre)

(See Pails, Fibre)

Buckets (Fire)

Atlantic Stamping Co. (Galvanized), Rochester, N. Y.
Cordley & Hayes (Paper), 172 Duane, New York
Fairfield Rubber Co., Fairfield, Conn.
Geuder, Paeschke & Frey Co. (Galvanized Iron), Milwaukee, Wis.
Goodyear Rubber Co. (Rubber), 787 B'way, New York
Gutta Percha & Rubber Mfg. Co. (Rubber), 126 Duane, New York
Hayward, S. F. & Co., 39 Park pl., New York
Hodgman Rubber Co. (Rubber), 806 B'way, New York
Hunt & Dorman Mfg. Co., 21 Bright, Cleveland, Ohio
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Mineralized Rubber Co. (Rubber), 18 Cliff, New York
Northern Fire Apparatus Co. ("Waggoner" Sanitary), Minneapolis, Minn.
Safety Fire Extinguisher Co., 29 W 42d, New York
WILSON, F. CORTEZ & CO., 289 Lake, Chicago, Ill. (See adv. index, end of book)

*Buckets (Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)

Buckets (Galvanized Iron)

(See Pails, Galvanized Iron)

*Buckets (Gold Dredging)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Buckets (Grab)

Andresen-Evans Co., Monadnock blk, Chicago, Ill.
BROWN HOISTING MACHINERY CO. ("Brownhoist"), St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)
Browning Engineering Co. (Automatic Square Type), Cleveland, O.
JEFFREY MFG. CO. (Self Filling), Columbus, O. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)

Buckets (Grease)

Gem Mfg. Co. ("Gem" Brazed Steel), Spruce av nr 33d, Pittsburg, Pa.
Lane, C. L. ("Wooden"), E Swansey, N. H.

*Buckets (Hoisting)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Buckets (Hoisting & Dumping)

(See Tubs, Self-Dumping)

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Buckets (Orange Peel)

Browning Engineering Co., Cleveland, O.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office and Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
HAYWARD CO., THE, (Crushed Stone Handling), 50 Church, New York. (See adv. index, end of book)
Hough, Wm. B Co. ("Hercules"), Monadnock bldg, Chicago, Ill.
Interstate Eng. Co., Bedford, O.
Kiesler Co. ("Kiesler"), 68 Pratt, Chicago, Ill.
McMyler Mfg. Co., 1799 Columbus rd., Cleveland, O. Works, Warren, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MEAD-MORRISON MFG. CO. (Orange Peel Grab), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Smith, Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Wellman-Seaver-Morgan Co., Cleveland, O.
Williams, G. H. Co., 1513 Rockefeller bldg, Cleveland, O.

Buckets (Ore)

(See Buckets, Coal & Ore)

Buckets (Pump)

Cleveland Galvanized Works, 392 Cooper, Cleve- Cleveland, O.
Continntal Rubber Works (Rubber), Erie, Pa.
Cronk & Carrier Mfg. Co. (Chain Pumps), Elmira, N. Y.
DIAMOND RUBBER CO. (Rubber), Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co. (Rubber), Akron, O.
Myers, F. E. & Bro., Ashland, O.
PENNSYLVANIA RUBBER CO. (Rub- ber), Jeannette, Pa. (See adv. index & branch offices, end of book)
Republic Rubber Co., Youngstown, O.
Torrent Pump Co., Sebring, O.
Union Mfg. Co., New Britain, Conn.
WYCKOFF, A. & SON CO. (Chain Pumps & Buckets), Elmira, N. Y. (See adv. index, end of book)

*Buckets (Sand Handling)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Buckets (Sap)

Briscoe Mfg. Co. ("O-Rib-O" Galvanized), Detroit, Mich.

Buckets (Scoop)

(See Buckets, Dredging & Excavating)

*Buckets (Scraper, Clam Shell)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Buckets (Scraper, Excavator)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Page, John W. ("Page" for Earth, Rock, Gravel, etc.), Security bldg, Chicago, Ill.

Buckets (Self-Dumping)

Focht's, Geo. Sons, Hoboken, N. J.
Kilbourne & Jacobs Mfg. Co. ("Surelock" Steel), Columbus, O.
KILGORE-PETELER CO., Minneap- olis, Minn. (See adv. index, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
Williams, G. H. Co., 1513 Rockefeller bldg, Cleveland, O.

Buckets (Self-Loading Power Scraper)

Page, John W. ("Page" Automatic Dumping), Security bldg, Chicago, Ill.

Buckets (Sewer)

Akron Cultivator Co., Akron, O.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Hornhorst, Joseph Co., Cincinnati, O.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
National Enameling & Stamping Co., 374 B'way, New York, & St. Louis, Mo.
Potter Mfg. Co., Indianapolis, Ind.
Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
Stoutenborough, X., 277 Pearl, New York
Syracuse Chilled Plow Co. (Steel), Syracuse, N. Y.

*Buckets (Shoveling)

BROWN HOISTING MACHINERY CO. ("Brownhoist" for Limestone, Coal, Ore, Clay, etc.), St. Clair, N E. Cleveland, O. (See adv. index & branch offices, end of book)

*Buckets (Slag)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Buckets (Soil, for Jails)

Crown Iron Works Co., Minneapolis, Minn.

*Buckets (Turn Over)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

*Buckets (Well)

EDWARDS MFG. CO. (Galvanized), 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)

Buckets (Water)

(See Pails, Galvanized Iron)

Buckets & Pails (Collapsible)

Abercrombie & Fitch Co., 57 Reade, New York
Duplex Folding Pail Co., 422 West 14th, New York
Goodrich, B. F. Co., Akron, O.
Goodyear Rubber Co., 787 Broadway, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hayward, S. F. & Co. (Folding Buckets), 39 Park pl., New York
Hodgman Rubber Co., 806 Broadway, New York
Mineralized Rubber Co., 18 Cliff, New York
National India Rubber Co., Bristol, R. I.
Safety Fire Extinguisher Co., 29 West 42d, New York

*Buckles (Back Band)

STANLEY WORKS ("Samson" & "Stanley"), New Britain, Conn. (See adv. index & branch offices, end of book)

Buckles (Bale)

ACME STEEL GOODS CO., 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York. (See adv. index, end of book)
Baling Tie Buckle Co. ("Star" Baling Tie Buckles), 1929 Harvard, Cleveland, O.
CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)
Oliver Iron & Steel Co. (Cotton Tie), Pittsburg, Pa.
SHARON STEEL HOOP CO. (Cotton Tie, etc.), Sharon, Pa. (See adv. index & branch offices, end of book)

Buckles (Belt)

Conlan, Bernard, Newark, N. J.
Havell Mfg. Co., Newark, N. J.
O'Neill & O'Neill, Newark, N. J.
Poeter, E. & Co., Newark, N. J.
Smith & Griggs Mfg. Co., Waterbury, Conn.
Waterbury Buckle Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

Buckles (Wire)

North & Judd Mfg. Co. ("Anchor" Brand), New Britain, Conn.
Spencer Wire Co., Worcester, Mass.
Wire Novelty Mfg. Co., New Britain, Conn.

Buddles or Slime Tables (Revolving)

Mine & Smelter Supply Co. (Wilfley), Denver, Colo., (Wilfley).
Power & Mining Machinery Co., Cudahy, Wis.

Buffers (Board)

Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.

Buffers (Car)

Gould Coupler Co., 345 5th av, New York; Rookery bldg, Chicago, Ill.; Works: Depew, N. Y.
National Car Coupler Co. ("National" Platform & "Hinson" Friction), Monadnock blk, Chicago, Ill. Works, Attica, Ind.
Railway Appliances Co., Old Colony bldg, Chicago, Ill.

Buffers (Electric Hand)

Stow Mfg. Co., Binghamton, N. Y.

Buffers (Rubber)

BOSTON BELTING CO., 260 Devon- shire, Boston, Mass. (See adv. index & branch offices, end of book)
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
National India Rubber Co., Bristol, R. I.
PENNSYLVANIA RUBBER CO. (Auto- mobile, Carriage, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., Boston, Mass.

Buffing Compositions

(See also Metal Polish)

Egyptian Lacquer Mfg. Co., 125 Front, New York
Hanson & Van Winkle Co. ("Acme"), Newark, N. J.
Matchless Metal Polish Co. ("Diamond" for all Metals, Hard Rubber, etc.), 151 Varick, New York
New York Buff Co., 85 Centre, New York
Zucker & Leavett & Loeb Co. ("Victor"), 516 W 25th, New York

Buggies (Buhr-Stones)

Hasbrouck, J. J. & Co. ("Esopus"), Office & Quarries, New Paltz, N. Y.

Buggies (Charging)

Kilbourne & Jacobs Mfg. Co. (Steel Coke), Columbus, O.
Pennsylvania Engineering Works, New Castle, Pa.

Buggies (Coke & Ore)

Archer Iron Works Co., 739 First Nat'l Bank bldg, Chicago, Ill.
Sheffield Car Co., Three Rivers, Mich.

Buggies for Structural Steel, Etc.

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.

Buggies (Wire)

(See Trucks, Wire Mill; also Cars, Plate & Sheet Mill)

Buggy (Armature)

American General Engineering Co. ("A. G. E."), 253 B'way, New York
Columbia Machine Works & Malleable Iron Co. ("Columbia"), 269 Chestnut, Brooklyn, N. Y.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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DOYLE & COMPANY

Contractors and Builders

1519 and 1521 Sansom Street

PHILADELPHIA, PA.

Digitized by Google

Jacob A. Zimmermann,

MASON, BUILDER

AND

General Contractor,

505 Fifth Ave., *NEW YORK.*

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Builders (Contracting)

(See also Contractors, General)

NOTE—The difficulty in separating Builders from Journeymen, especially in small towns where a man is a builder for one operation and returns to the bench when it is completed; and the fact that they are not generally rated, makes this a most unsatisfactory list to compile. Thorough revision has been made from the best sources obtainable and the list is as correct as such a line can be, considering the wide field covered.

ALABAMA.

BIRMINGHAM—Evans Bros. Construction Co., 2310 Avenue F
Stockmar, H. A., 2200 Avenue A
Thompson, T. C. & Bros., Title Guarantee
HUNTSVILLE—Hutchens, Chas. E. bldg.
MOBILE—Brandon & Son
Chamblin, G. A., 254 N Royal
Fonde, Ray, 160 N Royal
Interstate Construction Co.
Jett Bros. Contracting Co.
Lee, W. P., 67 St. Michael
Moore, R. & Co.
Smith, Michael
Ward, E. E., 204 S Broad
MONTGOMERY—Blair, Algernon, Hill bldg.
Cook & Laurie Contracting Co. (Large), 212 N Lawrence
Hodgson, Jas.
Hodgson & Hannon, 113 Sayre
Hugger Bros., 18½ S Perry
Riverside Brick Co.

ARIZONA TERRITORY.

PHOENIX—O'Connell & Cottroll (Brick)
TUCSON—Henry, Benj. Co.
Monier, Q.

ARKANSAS.

FORT SMITH—May, W. F. & Co., 601 S 13th
O'Neil, L. S.
Paine, R. L., 2403 Tiles
Beddick, T. T., 2701 Kinkead
Schleuter, Fred, 702 N 18th
Truschel, Jacob, 901 N 14th
HOT SPRINGS—Brack, J. D.
Mills, Gibson (Stone)
LITTLE ROCK—Campbell, T. F., 2319 Center
Crawford, W. S. & Bro.
Drah, D.
Hallum, W. H. & Son
Holstegge, B.
Odom, John S., 1610 Jones
Phillips, Jas.
Schay, Chas. J.
Stewart & Schmelzer
Wendler, M. O.
PARAGOULD—McDonald, W. J.
PINE BLUFF—Bruce, M. M.
Dutton, John
Holton, W. S.
Lane, R. W.
Owens, Newton
VAN BUREN—Allen, R. B.

CALIFORNIA.

ALAMEDA—Henderlong, C. A.
MacRae, Chas. W., 2315 Encinal
BERKELEY—Estey, Fred.
Martin, Robt.
Sheridan, Phil.
GRASS VALLEY—Body, W. C. D. & Son
LODI—Young, W. A. Lumber Co. (Large)
LOS ANGELES—Aaron, D. W., 411 S Main
Acme Building Co., Stimson bldg.
Anderson, W. J. & Son, 408 S Spring
Analyn, C. M. & Sons, 1620 Wall
Arthurholt, O. M., 218 B'dway
Ashbridge, T. A. (Brick), 1020 W 1st
Ashby Building Co., 256 S Spring
Atkinson, J. F., Harvard bldg
Black, A. W., 746 S Main
Beer & Beer, 488 S Chicago
Bottema Bros., 315 B'way
Brainerd, H. J., Chamber of Commerce
Brandt & Rhodes, Byrne bldg
Bryant, Oliver C., 1503 Magnolia av
Builders Exchange, Stimson bldg
Butcher, Jas. M., 2309 S Hoover
Cady, W. C. (Brick), 914 E 39th
Carr, G., 416 W av 56
Carter, J. A., 257 S Spring
Coast Construction Co., 411 S Main
Connor & McCann, 3120 Manitou av
Co-Operative Home Builders' Assn., Severance bldg
Cossar, Wm. C. (Brick), 1009 Bridge
Cowper, H. M., 106 W 3rd
Crandall, W. N., 310 Stimson
Crowell, Weymouth, Pacific Elec. bldg
Daniels, J. A., 1620 Palo Alto
Dawson, J. B., Pacific Elec. bldg
Dennis, S. B., 922 Court Circle
Drew, R. T. & Son, 1804 Pacific av
Engstrum, F. O. Co. (Brick), E 5th c Colyton
Grannis, R. W., 321 W 16th
Greenamyer, C. E., 129 W 2nd
Gribling, A. L., 207 New High
Harbou, George, 224 S Spring
Haupt, Paul, 315 S B'dway
Hicks, W. A., 203 B'dway
Hood, W. G., 228 W 4th
Hopper, E. L. & Son, Laughlin bldg
Houck & Slosser, 341 E Vernon av
Hughes & LeVere, 215 Concord
Hull, A. M. & Son, 3040 Lanfranco
Hurwits, M. Bryson bldg
Jackson, W. H., 130 S B'dway
Jones, A. S., 1102 Temple
Kendall, Edward, 256 S prling
Knerr, H. E., Douglas bldg
Knerr, H. E. (Brick), Douglas bldg
Kubach, O. J. Co., Pacific Electric bldg
Larkins, W. P., S San Pedro
Leaver, Guenthart & Co., 608 S Main
Long, J. R., 256 S Main
Los Angeles Building Co., Delta bldg
Los Angeles, Bungalow Co., 106 W 3rd
Los Angeles Co., 608 S Main
McDermott, J. F., 736 S San Pedro
McCabe, E. M., 608 S Main
Mitchell, J. Burris & Co., Douglas bldg
Peterson, A. A. Co., Stimson bldg
Pioneer Building Co., Bradbury bldg
Poole & Jones, 218 W 3rd
Pratt, G. T., 440 E 3d
Powers, B. N. Co., 315 S B'way
Pozzo Construction Co., 501 Macy
Putnam, J. H. & Sons, 3047 Inez
Rebman, John, 253 S Bdway
Richards-Neustadt Construction Co., Stimson bldg
Roberts Construction Co., 106 W 3d
Bucker, Elmer, 1057 W 38th
Sage & Little, 145 S Spring
Salvetter, H. D., 702 S Spring
Scott, Benjamin, 1622 Main
Seelye, O. L., Citizens National Bank
Smith, Ross W., 2270 W 23d
Taylor Bros., 608 S Main
Tyler & Co., Bumiller bldg
Walker, O. A. (Brick), 1152 Jasmine
Weesner, C. (Brick), Pacific Elec. bldg
Walker Cottage Co., rear 420 W 6th
Western Construction Co., 408 S Spring
Weston, Eugene, 106 W 3d
Wiechmann, Henry & Son, 3409 S Main
Williamson, E. S., Grant bldg
Winona Building Co., 430 S B'dway
Yard & Hichborn, Citizens National Bank
Yarnell, B. F., 315 S B'dway bldg
OAKLAND—Allen, B. K., 718 20th
Allyn, B. C., 820 Isabella
Amador Marble Co., terminus Piedmont av
Anderson, W. W., 461 Chestnut
Barnard, C. S.
Bayshore Building Co., 969 B'dway
Belden Building & Inv. Co., 1112 B'dway
Bingham Bros., 105 E Moss av
Blake & Bilger Co., Central Bank bldg
Bruecker & Lewis, 676 E 12th
Bullock, O. M.
Caldwell, J. C., 585 28th
Champney Bros., 1424 San Pablo av
Childs, Arlett & Co., Bacon block
Davis, Wm. & Son, 57 12th
Doss, C. A., 1016 E 15th
Dingwell, J. F., 1515 West
Dingwell, J. H., 1502 West
Fallmer, R. H., 894 47th
Fogg, C. & Son, 213 Telegraph av
Forbes, W. A., 963 Franklin
Fortin & Son, Master Builders' Exhange
Gilman, A. E., 1024 San Pablo av
Greene, S. A., 109 Cameron
Gunn, J. F., 823 Isabella
Haskell, B. W., 2041 Linden
Hetkes & Allen, 730 Myrtle
Hitchcock & Son, 859 Brush
Hubbard & Co., 1264 B'dway
Isbell, H. E., 1915 Linden
Johnson, O. P., 1425 8th av
Jones, F. G., 1113 Webster
Koenig & Kroll, 878 B'dway
Laughland & Schnebly Co., 1443 B'dway
Law, T. R., 527 18th
Letter, E. T., 3615 West
Leiter, Geo. L., 3700 West
Littlefield, C. A., 581 Sycamore
Lloyd Bldg. Co., E 14th nr. Bassett, Fruitvale
McCarter, H. T., 1505 25th av
McCracken, Hugh
McDonald, J. B., 764 19th
Maxwell & Havens, Piedmont
Middleton, J. H., 2215 B'way
Mullane, J. P., 2029 Filbert
Newton Sandford Cons. Co., Bacon blk
Nichols, C. E., 294 24th
Nichols, L. L., Bacon blk
Nichols, R. F., 1151 Santa Fe av
Norman, S. A., 1362 West
Pinkerton, P. H., 2226 Elm
Prenville Co., 265 12th
Ransdell, J. W., 1294 E 29th
Reardon-Crist Cons. Co., 363 13th
Roberts Bros. Co., Central Bank bldg
Sell & Ekers, 2818 Sunset av
Shrader, J. F., 522 16th
Silsbee, F. J., 858½ 20th
Simpson, J. H., 691 Brockhurst
Sorenson Bros. & Peterson, 906 B'way
Sorenson & Sibbett, 1224 Fruitvale av
Structural Portland Cement Co., Union Savings Bank bldg
Studley, W. H., 277 Telegraph av
Tellier, P., 1039 60th
Thomson, A., 127 San Pablo av
Underwood, T. A., 5971 Grove
Watson Roof Co., 427 15th
White, J. A., 1015½ B'way
Wilkins, C. W., 1367 B'way
Wilson, S. H. & Son, 1064 Franklin
PALO ALTO—Bentley, Geo. H.
SACRAMENTO—Harvie, N., 2204 O
Harvie, N., 2204 O
Shadinger, M. H., 2101 10th
Sillers Bros.
Wendt, G. A.
Wolf, P., Jr.
SAN FRANCISCO—Alpha Building Co., 7th & Hooper
Anderson & Co., 1623 Eddy
Anderson & Shaw, 226 Willow av
Armstrong, Albert M., 1215 Gough
Atlantic Gulf & Pacific Co., Monadnock bldg
B. & W. Engineering Co., 127 Montgomery
Bagge, W. H. & Son Building & Cons. Co., Balboa bldg
Bagge-Wilkie Co., 1273 Golden Gate av
Bateman, J. C., Monadnock bldg
Beach, H. Ward, 3686 20th
Behm, Joseph & Co., 141 Oak
Bergren, L. G., 209 Sanchez
Blume, C. A., Cons. Co., 185 Stevenson
Bovyer & Son, 2377 Pine
Bowles, J. R., 117 Geary
Brady, Matthew V., 787 Market
Brown, T. S. Cons. Co. (Inc.) (Large)
Builders Exchange (The), 180 Jessie
Butler, Thos., Custom House
Butterworth Co., 850 Treat av
Button, I. V., 533 14th
Caldwell, F. Cook, 969 Fell
Campbell, James Co., Chronicle bldg
Campbell, Jno. V., 1040 Bryant
Campbell, Mark & Son, 729 Webster
Christian, Thomas, 540 Haight
Coast States Cons. Co., 503 Market
Coburn, R. W., 548 Duboce
Collman & Collman, Harrison av & 7th
Concannon, W. N., 112 Market
Condon-McGlynn Co., 789 Mission
Connors, W. P., 860 Potrero av
Currie & Currie, 1215 3d av
Days, Thos. H. & Son, Monadnock bldg
Duebel, Chas. Co. (Inc.), 225 Harrison
Dowdall Building Co., 6 Raymond av
Dowling, J. J., 925 Fulton
Dnebel, Chas. A., 225 Harrison
Ellis, Seely E., 2016 Filmore
Equality Home Building & Loan Co. (Inc.), Pacific bldg
Farquharson, D. B., 1760 Ellis
Fee, Grant, 469 Frederick
Fennell Bros., Chronicle bldg
Ferguson & McCunn, 1739 Union
Ferrolite Co., 338 Pine
Fuller, Geo. A. Co., Monadnock bldg
Gale, Merritt F. & Son, 185 Stevenson
Gilbreth, Frank B., 16 California
Gillogley, J. & Sons, 714 San Jose av
Ginga, J. H., 918 Larkin
Gneggo & Sqaglia, 36 Wood
Golden Gate Commandery Co. (Building), 2137 Sutter
Gompertz, Chas. W., 120 Bush
Graham, Jno. N., 438 Clipper
Harney Bros., 3019 18th
Harrelson-Grau Co., Union Trust bldg
Healy, Tibbits Cons. Co., 208 Market

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Hock, Chas. H., 910 Devisadere
Helbing, Wm., 1420 Market
Hoin, Theo. S., 3137 Steiner
Hooker & Lent, 1st & Market
Hyde, Harjes & Co., 112 Market
Ince, Jno. C. Cons. Co. (Large, Heavy Building a Specialty)
Jack, Wm. Robt., 1925 O'Farrell
Jensen, G. P. N., 320 Market
Jess, W. N., 2011 Dvsdo.
Karp, H. & Son, 711 Valencia
Kittle Construction Co. (Large), 82 2d
Klyce, Harvey A., Monadnock bldg
Knowles & Reichley, 693 Mission
Land & Nugent, 2165 Market
Lange & Bergstrom, 787 Market
Larsen, H. H. & Bros (Masons), O'Farrell
Leach, Richard, 65 Matoma bldg
Little, William Estate Co. (The), 3462 19th
Lynch, P. J., Monadnock bldg
Long & Hoyt Co. (Large)
McCullough Contracting Co., 2023 Market
McGowan & Butler, 180 Jessie
McKee Building Co., 50 Spencer pl
McKenzie, W., 734 Washington
McKillican Bros., 338 Pine
McKillop Bros., 534 Cole
McLean, Murdock, 3773 Sacramento
McSheehy Bros., 47 Langton
Mahony Bros., Crocker bldg
Mahony Bros., Jr., Crocker bldg
Marcuse, Felix, 1768 Ellis
Mason & Morrison, Monadnock bldg
Mason & Morrison, Monadnock bldg
Mercer-Fraser Cons. Co., 1525 Mission
Metropolitan Building Co., Pacific bldg
Meyers, H. J., 24 California
Miller, Geo. E., 710 Montgomery
Mitchell, J. W., Pacific bldg
Mitrovich, J. I., Building Co., 1536 Golden Gate av
Moller & Sons, 520 Jessie
Monson Bros., 483 Guerrero
Moore, C. P. Building Co., Mills bldg
Morehouse, C. C. (Plasterer), 2911 California
Mortensen Construction Co., 19th & Indiana
Murphy, J. J., 2859 California
Nimmo, Geo., 345 8th
Northern Building Co., Humbolt Bank bldg
Olmo, J., 2823 25th
Pacific Construction Co., 16 California
Palmer & McBryde, Monadnock bldg
Pauly Jail Building Co.
Penny, Isaac, 412 O'Farrell
Pettus, T. A., Mechanics Bank bldg
Plant, Wm. & Co., 40 Spencer pl
Porter, W. F., 718 Bryant
Prahl & Schmidt, 941 Folsom
Price & Hutcherson, 1550 Turk
Pringle, Dunn & Moscrip, 338 Pine
Pynn, Hugh E., 1349 B'way
Reed, Walter N., 233 Precita av
Remington, E., Bush & Batry
Riley, Jno. F., 1717 Webster
Ringrose, Rhody, 2618 Sacramento
Salanave, Jno., 915 Pacific
San Francisco Concrete Building & Cons. Co., Monadnock bldg
San Francisco Rebuilding Co., Pacific bldg
San Francisco & Suburban Home Bldg Co.,
Sass & Son, 629 California 201 Euclid av
Schaeler, W. F., 1493 Guero.
Schulte & Kipp, 2327 Folsom
Scott Building Co., 326 5th
Segurson Bros., 1545 Folsom
Selfridge & Sypher, 16 Geary
Sheehan, Jno. R. Co. (Inc.), 350 Post
Smyth, John T. E., 1238 Masonic av
Snook, Jas. A. & Co., 247 Davis
Summit Construction Co., Kohl bldg
Thompson-Starrett Co., Bush & Kearny
Thomson-Graf-Edler Co., 24 Duboce av
Trost, Robert, 3336 Army
Trounson, J., 21 Mason
Tucker, E. W. & Co., 215 Spear
Urfer, Chas. E., 2850 Post
Voigt, F. M., 579 5th av
Walker, P. J., Monadnock bldg
Watson, Daniel, 515 Pine
Webster-Mace Construction Co., Merchants' Exchange bldg
Western Pacific Home Builders, Monadnock
Western Stair Works, 2691 Maryosa bldg
Wilhelm, A. H., 428 Capp
Wilkins Building Co., 126 Lily av

SAN JOSE—Ward, Joseph (Sewer)

SAN LUIS OBISPO—Mitchell, F. C.

SANTA CRUZ—Folsom, C. D.
Knapp, J. B.

SANTA ROSA—Hoyty Bros.
Neurauter, Joseph (Brick & Stone)

STOCKTON—Clark & Henery Construction Co.

VACAVILLE—Sharpe, G. H. (Large)

WOODLAND—Curson, W. H.
Winne, W. H.

COLORADO.

COLORADO SPRINGS—Atkinson, Lynn S.

DENVER—Brown Contracting Co., 1135 14th
Doak, Jas. M., 2429 W 37th av
Dunn, Chas. J., 1300 S Water
Dustman, Jno. H., 4859 Wolff
Fewlass, Robert, 2316 10th
Geiger, Jno., 439 Lafayette
Graham, Matthew, 620 14th
Griffith, R. J. & Son, 1885 Welton
Hamman, J. A., 1712 Larimer
Hannum, G. T., 1928 Blake
Hatch, C. O., 1846 Arapahoe
Hervey, S. O., 11 W Maple
Hudson, Jno. W., 1625 Pearl
Hughes, Wm. C., 2019 Champa
Humphrey, A. C., 51 Pearl
Jackson, Jas. B., 1717 Stout
Jewett, F. D. & Co., 2951 Gray
Johnson, Thos., 2744 Lawrence
Kirchhoff, Chas. E., 2705 Walnut
Lesenea, Jno. A., 1710 Larimer
Lewis, Geo., 1012 19th
Little, Geo. 1660 Platte
Lund, Ernest, 21 W 18th av
McArthur, P. C., 415 W 4th av
Morcum, Chas., 1932 Lawrence
Needles, Avery, 2014 W 32d
Norton & Reynolds, 1741 Curtis
Pearce, S. A., 1856 Arapahoe
Pedersen, Rasmus, 2836 Welton
Ripley, A. S. Building Co., Exchange bldg
Simpson, J. M., 1019 19th
Skeel & Striegel, 322 15th
Stocker & Fraser, Continental bldg
Traver, N. L. (Brick), 1515 Arapahoe
Treff, C. A., 1413 Blake
Van Meter, M. H., 1531 Cleveland, pl
White, J. T., 16 E 26th av
Wilber, A. H., 1649 B'way
Wolff, H. J., 1855 Lafayette
Young, C. A., 1640 Champa

FORT COLLINS—Brawner, E. M. (Brick W'k)
Brown, L. W. (Brick Work)
Hughes, Wm. G., 2019 Champa
Button, C. A.
Conley, M. G.
Earley, W. T.
Finger, J. (Stone)
Garnick & Son
Leonard, B. B.
Loveland, C. J.
Lunn, John (Brick Work)
McDaniel, G. R.
Schroeder, H. W.
Suiter & Ryan (Concrete)

PUEBLO—Summers, J. C. (Stone & Cement)

TRINIDAD—Crouch Lumber & Cons. Co.
Pierce Lumber & Mfg. Co.

CONNECTICUT.

ANSONIA—Alcott, Rufus C.
Barnes, W. A.
Beardsley Building Co.
Brandt, Frank
Coles, Alfred
Dwyer, John
Hall, Richard J.
Holbrook, Royal (Stone), 53 Franklin
Holzwig, Louis
Nelligan, Michael J.
Penders, T. H., Prospect
Potter, Wm. (Stone), Rockland av
Ransome & Smith Co.
Rolston, C. A.
Woodruff, C. Y.
Wooster, C. B. (Stone), 263 Wakelee av
Wooster, Dwight, 277 Wakelee av W A

BETHEL—Gilbert Bros.
Senior, A. H.

BRANFORD—Bradley, Richard (Large)
Hosley, Benjamin F.

BRIDGEPORT—Anderson Bros., Nash's lane
Behrens, F. W., 319 E Washington av
Belleizzi, M., 255 Grand
Bissonnette, N. P. & Co., 176 Park
Bjorkland, C. A., 1490 Park
Bjorkland, C. S., 114 Poplar
Blitz, Chas. A. & Co.
Blycher, A. W., 441 Poplar
Bishop, Jno. H., 1275 Park av
Bostford, Chas. H., 192 Maplewood av
Bown, Alfred A.
Bulkley & Smith, 171 John
Burgess, T. A., 2285 E Main
Burnes, H. A., 1122 State
Burnes, J. E., 221 Colorado av
Burns Co. (The), 83 Fairfield
Chatneuff, Chas., 113 Wood av
Christensen & Christensen, 442 Center
D'Agostino, Sparano & Cennino, 1852 Main
Dalton & Wallenta, 133 Union av
Doolan, James
Dowling & Bottomley, 1119 Broad
Foley, G. B., 182 French
Filmer, Sterling, 65 Kossuth
Frederickson, Bros. Co., 629 Railroad av
French, Geo. F., 490 Park
Garvey, Patrick K.
General Constructing Co.
Gough, John, 839 Railroad av
Grive, J. Andrew, 1231 Pembroke
Haight, Edward F., 45 Ellsworth
Hoffman, Henry C. & Co., 249 Water
Hoffman, Lewis W., 78 Baldwin
Hubbell, Samuel W. Building Co., 590 Knowlton
Hurlburt, Walter S. Building Co., 225 John
Jackson, John & Co., 500 Park
Johnson, A. L., 21 Stratford av., Fairfield
Jones & Hoffman, 45 William
La Forge, Marcus E., 15 Hayes
Laister, Percival, 31 Kossuth
Locke & Huddy, 952 E Main
Lunn, J. A. & Co., 31 Elm
McCarthy, Geo. T., 933 Iranistan av
McFarland, John J., 215 Mountain Grove
Marshall, A. H., 1110 Howard av
Martin, Wm., 705 N Washington av
Mills, Geo. E., 207 Knowlton
Morehouse, Andrew & Sons, 804 William
Muirhead, Wm. R. Co., 1362 Pembroke
Nettleton, H. H., 189 Wordin av
Nordling, George, 1394 Boston av
O'Brien, T. & Son, 187 Black Rock av
Pilotti, P. & Son, 373 Main
Purdy, Hy. M. Co., 550 Water
Sanger, Jos. M., 520 William
Schindler, Geo., 32 Prospect
Schwarz Bros., 166 Lindley
Sherman, Adolph, 195 6th
Smith, W. A. Building Co., 190 Cannon
Smythe, Chas. D., 1492 Boston av
Squires, Seth B. & Sons, 51 Elm
Stewart, Thos., 6 Ashley
Stone, Lorenzo D., 116 Arctic
Toole & Sunderlin, 83 Fairfield
Traggorth, A. C., 85 Linwood
Turrill, Jas. C, 153 John
Vanstone & Vanstone, 106 Austin
Whelan, Robt. W., 411 Gregory
Wilkins, Philip, 446 Beechwood av

BRISTOL—Benoit, W. F. (Stone)
Burr, F. E.
Crothers, W. W.
Fogg, W. E. (Large)
Freeman, James
Hall, D. W.
Hough, Edgar A. (Stone)
Lacourse, G. J.
Linstead, F. W.
Linstead, Wm. (Large)
Nystrom, Niles E.
Stewart, L. L. (Large)
Taillon, A.
Thompson, M. C.
Whittlesey, D. L.

CROMWELL—Condon, H. W.
Johnson, E. T.

DANBURY—Barry, Henry, Crosby n Maple av
Bell, Alfred, 104 Elm
Benedict, John H., 4 Moss av
Blackman, W. B., Crosby
Bunnell, Jno L., 10 Pearl
Crossley, Chas. C., 24 Griffing av
Cunningham & Patchen, 34 Lincoln av
Foster Bros., 21 Delay
Hager Bros., 11 Meadow
Hewitt & Warden
Hill & Reynolds
Leahy, Edmund, 7 Clark
L'Heureux, Henry, 28 Main
Mallett, Judson B., 23 Rowan
Marsh & Knapp, E. Franklin
Northrop, Warren H., 16 Bates pl
Olmstead, F. C., 19 Crosby
Osborne, Peter M., 353 Main
Parsons, Abel, 28 George
Schnable, Philip W., Stevens pl
Selleck & Hathaway
Sunderland, W. W., 7 Spring

DANIELSON—Stone, S. S.

DANIELSONVILLE—Gilbert, J. A.

DARIEN—Scofield, Hy. & Son
Whitney, Wm. M.

DERBY—Austin, Daniel, Mt. Pleasant
Durrschmidt & Co.
Hession, Wm., 922 Smith
Yocher, J. G., Jr.

EAST HADDAM—Galdwin, Casper S.
Mack, J. T.

EAST HAMPTON—Carpenter, H. B.
Darling, A. B.
Flood, Andrew
Strong & Hale

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EAST HARTFORD—Bragg, J. Merrick, 7 Elm
Carroll, Jos. E., 15 Central
Dutton, Leslie, 14 Rector
Driggs, Waldo J., 62 Hartford av
Fairbanks, C. P.
Gehan, John B., 68 High
Jones, Chas. A., 32 Hartford
Whaley, A. M., 41 Olmsted
Whaples, Jno. F.
ESSEX—Southworth, Jos. P.
FAIRFIELD—Birch, Robert J., Southport
Busser, Ignace
Cobb, John H.
Darling, Jas W., Southport
Forsyth, Thomas
Godfrey, Eugene, Banks South District
Gray, Charles, Southport
Perry, Frank E.
Reed, Joseph
Rigney, Jas.
GREENWICH—Anthony, Daniel & Co.
Burn, E. E.
Crosby, Jos. P.
Cumiskey, James
Duge, John L.
Eagan, Thos. J.
Ferris, J. H.
Mead, W. H.
Mills, S. A. & Co.
Reynolds, James (Banksville)
Ritch, Thos. J.
Rolna, Angelo
Schubert, Bernard
Selleck, W. Sands
Stoothoff, Stephen
Thompson, Anthony
Wanamaker, Geo.
Weir, Joseph T.
Wigmore, Thos. E.
Young, Thomas
GROTON—Edgecomb, J. F., 34 Ramsdell
Hanover, Clinton D.
Marquardt Bros.
Tiffany, Albert N.
Watrous, Horace G.
HAMDEN—Bassett, George A.
Wooding, B. H.
HARTFORD—Alcorn, Robert T., 21 Gold
Andrus, Chas. B. & Son, 902 Main
Angus, Alex.
Ashwell, E. R., 145 Vine
Barrett Bros., 46 Trumbull
Barrett, Fred. W.
Belden, H. S., 217 Laurel
Benner, A. J.
Bering, P. H., 34 Hubbard
Best, Herman J.
Brabazon, Thos. F.
Brodeur, A. J.
Browne, Edmund, 1419 Main
Budde, A. W., 107 Hungerford
Calder, Geo., 140 Sargeant
Cairns, Robt. & Son, 80 Clark
Caulkins, W. E. & Son, 2 Chapel
Cook, Charles C. (Large), 401 Trumbull
Couture, Joseph H., Clermont
Crane, Patrick W., 90 John
Curtiss & Dean
Deming, Wm. B., 19 Columbia
Denison, George E., 168 Pearl
D'Esopo Bros., 1179 Main
Dodge, D. W., 86 Kinsley
Donovan, Anthony
Egan, James F.
Farrel, Patrick R.
Erickson, M. H., 77 Ward
Flynn, Jno., M., 27 Vernon
Flynn, Martin, 62 Lincoln
Flynn, Thos., 96 Buckingham
Fox, T. R. & Son, 36 Pearl
Frary, John
Gellert, A. N., 275 High
Geretz & Sullivan
Gradisky, L. W. H., 80 Ann
Grozier, Jas. H., 125 Warrenton av
Gustafsen, Elon W., 49 Pearl
Hannon, Hugh, 1191 Park
Heimovitch, Wm., 14 Avon
Hills, A. L., 720 Main
Hills, Jno. R., 754 Main
Hoggson Bros., 36 Pearl
Hollis, D. W. & Son, 212 Asylum
Hoye, F. P., 70 Lenox
Johnson, Richard, 27 Pawtucket
Jones, R. F., 36 Pearl
Keep, W. E.
Kent, F. D.
Lasher, P.
Low, David
Low, Oswald
Low, W. B. & Son
Lowe, W. T.
Lykke, John P., West Hartford
McCann, Patrick A., 33 Vernon
McIntyre & Ahern, 50 John
McKenzie, John A.
Mahl, Herman
Malcolm, Thos., 26 State
Meloney, Chas. D., 27 Spring
Murphy, J. P., 1337 Park
Nevels Bros., 7 Central
Newton, Theodore & Co., 77 Pearl
Newton, Thos. S., 116 Clark
Nolan, John F., 54 Benton
Norton, Malcolm A., 71 Highland
O'Brien, Wm., 136 Retreat
O'Loughlin, James, 756 Main
O'Neil, Michael, 24 Pawtucket
O'Neil, Wm. F., West Hartford
Parker, G. S., 187 Pearl
Pellett, A. D., 240 Smith
Penders, James
Peterson, A. P., 18 Baltimore
Philbrick, Halsey B., 26 State
Porteus, Robert, 13 Forest
Provost, Napoleon L., 142 Brown
Purves, Adam, 334 Asylum
Reemer, G. A.
Richmond, C. F., 2 State
Rogers, James H., 58 Belden
Rosen, J. Co., 12 Suffield
Rowley, Frank H., 607 Albany
Rowley, J. H., 32 Raymond
Scanlon, John W.
Scott, John, 48 King
Scoville, A. W. Construction Co., 756 Main
Scoville, W. H., 720 Main
Sherman, Rogers W.
Simms, W. J., 80 Pearl
Sinnott Bros., 87 Lincoln
Slattery, Austin P.
Smith & Des Champs
Snell, O. W., 2 Central
Snow, G. W.
Squires, Walter L.
Stenson, O. E., 16 Cone
Sullivan, D. M., 42 Adelaide
Svenson, Chas., 54 Woodbine
Taylor, Peter, 101 Bartholomew
Tremonto, D.
Tryon, Watson & Son, 720 Main
Walch, Thomas
Welch, Thomas
Westland, W.
Wilcox, W. A., 36 Raymond
Wilson, Samuel
Woodward, Fred'k E., 66 Madison
MANCHESTER—Palmer, Robert W
MERIDEN—Arnold, G. A., 225 Curtis
Bagley, George, 48 Linsley av
Barrow, R. W., 27 Union
Bloomfield, Garry, 18 Chestnut
Clancy, John F.
Fitzgerald, M. F., 15 S 1st
Haigis, Matthias, 184 Broad
Kooreman, C.
Lanoue, Walter, 121 State
Lawrence, J.
Lines, H. Wales Co. (General), 134 State
Lyman, Austin J.
Miller, W. F., Kensington Heights
Morehouse Bros. Co., 20 Miller
Morehouse, H. L.
Moses & Arnold, 8 Perkins
Penfield, O. H.
Russel, Thos. W. & Sons
St. Cyr, Z. J., 26 Wood
Stecker, Henry, 29 Gales
Stiles, F. W., Butler & Hanover
Suzio, Leonardo, 185 Lewis av
Williams, G.
Wright, A. G.
MIDDLETOWN—Brazos, A. & Sons, 82 Oak
Burke, Robert W., 84 Pearl
Butler, H. R., Church
Donahue Bros.
Loewenthal, Gustav, off Front, nr Russell
McConnochue, H.
Murray, A. A. & Sons
Mylchreest Bros
Mylchreest, Wm. & Sons, 9 Brainerd av
O'Brien, Dennis, 42 Crescent
Robinson, A. B. & Son, 145 Main
Southworth, Jos. E., 520 High
Stone, C. O. & Son
Tryon, J.
White, Frank H., 27 Park pl
Young, J. B. 50 S Main
MILFORD—Baldwin, S. H.
Bristol, Dennis M.
Clark, Elbert N.
Miles, J. L.
Smith, David E. & Co.
MYSTIC—Allen, G. W.
Cromwell, C. S.
Crumwell & Heath
Heath, John H.
Mattison, Robert R.
Miner, Manning
Noyes, Nathaniel
Tufts, Caleb
NAUGATUCK—Christenson, Andrew
Dunn, Jere. H., 180 Church
Gorman, Jno. J., Gorman c Lewis
Hotchkiss, E. A., Beacon Valley
Kennedy, T. A.
Matson, Lawrence V., 215 N Main
Reynolds, Joseph W., Cherry
Winslow, Lester H.
NEW BRITAIN—Allen, John W. & Son, 231 Chestnut
Andrews, W. A., 32 Camp
Bergstrom Co.
Bradley, Wm. S., 14 Kelsey
Burk & Johnson, 32 Wilson
Canfield & Quinn
Carlson, Eric U., 78 Winthrop
Carlson, Jno. August, 157 Dwight
Carlson & Torell, 67 N Fairview
Christopher, H. L., 126 Jubilee
Clifford, A. D. Co., 97 Chestnut
Conlon, F. & Son, 93 Tremont
Crowe, Thomas W., 17 Tremont
Curtis, O. F., 73 Church
Dohrwend Bros. Co., 57 Columbia
Doolittle Bros. (Brick & Stone), Linwood
Downes, John E.
Edwards, Clark, 60 Lafayette
Ganske, E. G. H., 338 Park
Hennessy, Timothy & Son, 166 Hartford av
Hibbard, B. H. Co. (Inc.), 153 Arch
Holmes, C. C.
Holmes, Chas. W., 110 Fairview
Johnson, Chas. F., 147 Jubilee
Johnson, S. J., 62 Hawkins
Mansworth, Edward, 16 Beaver
Meskill, John E.
Moran, J. D., 85 Hartford av
New Britain Co-op. Bldg. Co., 426 Main
Norton, Henry
Paonessa & Co.
Ramage, R. J. (Brick & Stone), 42 W Pearl
Rowley, C. E., 111 Dwight
Rutherford Bros.
Sparks, Wm. B.
Webb, Thomas (Stone), 58 Chestnut
Whaples, Henry N., 134 Linwood
White, Walter B.
Zink, Plus
NEW HAVEN—Andersen, H. M., 188 Putnam av Whitneyville
Anderson, Mathew S., 138 Blohm, W. H.
Arnold, L. H.
Baldwin, Elbert H., 37 Gill
Barnes, Wm. E., 75 Gibbs
Bassett, Geo. A., Ridge rd, Hamden
Beloff, A. & Son
Bohn, Geo. & Sons, 798 Congress av
Brainerd & Benson, 120 Commerce
Brett, Edw. P., 7 Prout
Burke, J. E. & Bros., 155 Greenwich av
Carey, John E., 117 Greene
Carmichael, A. J., 595 Whitney av
Carroll Bros., 13 Anderson
Church, James A. Co., 262 Sherman av
Clark, David H. Co., 166 Brewery
Clark, G. Wilbur, 244 Sherman av
Coffey, Lawrence J., Autumn nr Canner
Conlan Bros., 176 Franklin
Cook, Geo. H.
Countryman, Edwin
Coyne Bros., 167 Chapel
Crocker, B. F., 267 Water
Curtiss, Walter B., 869 Quinnipiac av
Dauenhause, Chas., 813 1st av, W. H.
Davis, T. L., 41 George
Dean, Geo. W., 10 Pitkin la
Dean, J. LeRoy, 65 Orange
Difrancesco, Natale, 146 Oak
Doherty, Timothy F., 195 Poplar
Dutcher, Oscar W., 25 4th av, W. H.
Elwell, F. J., 113 California
Farnham, Arthur N.
Fitzgerald, Garrett J.
Fogarty, J. A., 581 Grand av
Fowles, Harry I., 90 Poplar
Fusco, Carlo, 495 Columbus av
Galligan, Jas. E., 137 State
Gayton, Wm. (Stone), 31 Whiting
Gibbud & Augur, 83 Water
Gilhuly, Bernard, 41 Martin, W. H.
Goldstein, A., 71 Prince
Goodale, E. Lincoln
Grant, Geo. M. Co. (Large), 865 Chapel
Grenier, Abraham, 730 Howard av
Grenier, Alfred D., 136 Washington av
Gutzeit, Louis, 9 Alling
Hagan, Jno. A., 88 Whalley av

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Hawkin, John
Hayes, Wm. H., 6 Baldwin
Hedges & Cameron, 333 Norton
Heft, Richard, 90 Thompson
Hildreth, J. D. & Son, 514 Elm
Hine, E. L., 72 Asylum
Hogan, James H., 138 Davenport av
Hubbell-Merwin Co., 19 Artizan
Humphrey, O. E. & R. T., 233 Main, W. H.
Humphrey, G. W., 153 Washington av, W. H.
Knoll, Carl A. & Son, 51 Sherman av
Leonard, John N. & Co., 902 Chapel
Lettney, W. H., 193 Main, W. H.
Lewis, John W., 338 Lighthouse rd, nr Morris cove
Lipson, Philip, 157 Washington av
Lowe, H. E., 354 Ferry
Lowe, John, 352 Grand av
McCauley, Harry, 23 Sheffield av
McFeters, Charles, 870 Orchard
McWilliams, Alex., 173 Livingston
McWilliams, Alex. S., 74 Howard av
Maher, Thos. F., 56 Bishop
Malcolm, J. D., 33 Bishop
Martin, Francis, 246 Thomas, W. H.
Mix, Henry S.
Morcaldi, Dominick, 126 Orchard
Morgan, S. H., 80 E Pearl
Morton, J. C., 478 State
Murdock, Chas. W., 530 Grand av
Osborne, John S. Co. (Large), 178 Goffe
Overton, E. W.
Parmelee, Hy. E., 30 Atwater, W. H.
Paterson, Wm., 844 Chapel
Peck, Geo. C.
Perry, W. S., 210 Howard av
Platt, Philip E., 152 Peck
Prince, Edw. A., 498 Howard av
Rathgebar, Geo., 178 George
Rasee, Geo. E.
Reed, Chauncey F., 59 Forest
Reid, Wm. J., Shelton av & Read
Ritchie, Wm., 115 Bishop
Robertson, Wm. H., 57 Crown
Rogers, S. R. & Sons, 492 Orchard
Shannon, James
Sherman, Jno. L. & Son, 253 1st av, W. H.
Sherman, Wm. A.
Sperry & Amos
Sperry Co. (Large), 902 Chapel
Sperry & Treat (Masons), 39 Church
Stowe, F. A. & Son, 115 Fountain
Stone, Abraham, 43 Prince
Thomas, L. I., 340 Howard av
Thomas, Lewis R., 824 1st av, W. H.
Thompson, John H., 270 Lenox
Thorpe, James Co.
Todd, James E., 546 State
Townsend, Wm. M.
Valente, P., 2d., 1 Sherman av
Warner, F. A., 802 Dixwell av
Warner, H. E., Jr., 27 B'way
Warner, John W., 74 Smith, W. H.
Waterhouse, C. R., Jr.
Wharton & Saunders

NEW LONDON—Allen Bros., 19 Rosemary
Cullen, W. J.
Denison & Brown
Douglas, Hamilton R., 27 State
Fitzgerald, J. E. Co. (The)
Fowler Bros., 181 Ocean av
Fowler, O. L. (Bricklayer), 164 Willett av
Geer, N. Elbert, 367 Bank
Goddard, A. O., 345 Broad
Grane, J. G., 87 Jeerson av
Griswold, H. R., Broad nr City line
Harvey, Wm. A., 311 Ocean av
Holmes, G. H., 38 Front
Hull & Gould
Ladd, F. M. Co., 430 Bank
Linicus, B. R., 743 Bank
Lyon, I. U., 26 Colt
MacDonald, G. D., rear 352 Bank
McQueen, Geo. A., 346 Montauk
Martin, Lake R., 24 Montauk av
Mineault & St. Germain, 32 Pearl
Morgan, A. L., 2 Konomoc
Murphy, Dennis J. (Brick), 29 Tilley
O'Connell, Michael, rear 52 Bank
Perry Bros.
Pierce, Edgar B. (Bricklayer), 29 Golden
Post Bros. (Stone), Hempstead cor. Home
Prentice, Herbert B., Ledyard cor. Bayonet
Prest, G. J.
Rogers, H. E. Construction Co.
Ryan, J. J. (Stone), 105 Blackhall
Scott, T. A. Co.
Smith, Joseph, 2d, 576 Bank
Spencer, A. L.
Watrous, H. G., 97 Green

NEW MILFORD—Beach, C. M.
NOROTON HEIGHTS—Skelton, R. F. (Masonry, etc.)
NORWALK—Banks & Co., 42 5th, E N
Bedlent, Fred'k H., 15 Centre av, N
Beess, Wm. Platt
Berger, E. & Co., 45 Wall, N
Chariott, Salvator (Stone), 26 Wood, S. N.
Clark, E. F.
Gamble, Leslie, 12 Seaview av, E. N.
Gregory, Franklin B., 6 Westport av, N.
Hendricks, Harry A., Silver Mine av nr Comstock av, N.
Hoyt, Dudley E., Highland av, S. N.
McMahon, Wm. H., 30 Seymour av, S. N.
Malkin, A. R. & Co., 3 Mechanic, N.
Maring, H., Conn. av nr. W Norwalk av
Mather, Henry W., 49 Water, S. N.
Morehouse, Samuel C., W. N.
Smith, F. J., 14 Water, N.
Smith, W. H., 39 West, S. N.
Waldron & Riordan, 29 Haviland, S. N.
Walsh, T. L., 8 Pine, N
White, W. F., 83 Winfield, S N
Yost, Charles, 80 Main, N.

NORWICK—Beckwith, Frank E., 90 W Main
Blackledge, H. & Co., 27 7th
Bowers, Gilbert, 130 Washington
Carpenter, Albert N., 23 Commerce
Cruthers & Lillibridge
Dodd, Thos. (Stone), 36 4th
Fellows, Geo. E., 343 Franklin
Fowler, Edward B., 5 Carter av
Hiscox, James
Hyde, Geo. M.
Kinne, Elmer A.
Peck, McWilliams & Co., (Brick & Stone), 47 W Main
Perkins, C. W., 44 W Main
Rice, Frank G.
Stetson & Young, 50 W Main
Torrance, Archibald (Heavy), Prospect, head of 9th
Williams, C. M., 218 Main
Willis, Irving J., 56 Pearl

PUTNAM—Bellrose, Julien
Carpenter, E. J. (Bricklayer & Plasterer)
Carpenter, S. S. (Bricklayer & Plasterer)
Chase, E. V. & Son
Coville, Henry, Grove st
Hopkins, H. F.
Wheaton Building & Lumber Co., Front

RIDGEFIELD—Kennedy, J. M.
ROCKVILLE—Arnold, George & Son
Caposto, D. F.
Hutchinson, Frank
Street, A. F.

SEYMOUR—Beecher, Frederick
Jorey, Chas. H.
Kempf, Chas. J.
Lanyon, Joseph L.
Peck, Arthur T.
Tomlinson, Edward K.

SOUTHINGTON—Knapp, Jacob F.
SOUTH MANCHESTER—Bloom, Charles H.
Corbin, J. Arthur
Hawley, J. E.
Hohenthal, E. L.
Mercer, Arthur
Schreiber, Gustav
Treat, Charles O.

SOUTH NORWALK—(See Norwalk)
STAMFORD—Anderson, C.
Anthony, R. M.
Ballard, Elah
Bland, Thos., Grey Rock pl
Brown, Francis
Elliott, Silas E.
Harris Construction Co.
Hook, Frank, 497 Main
Hoyt, Noah W.
McAdams, Thos.
O'Connor Bros.
Orr, Robert H., Courtland av N of Depot.
Paul, E. G. Glenbrook
Ransome & Smith
Raymond, Everett, Maple av, Glenbrook
Rogers, Geo. A.
St. John, S. Y., 11 Bedford
Scofield, Arthur A., 323 Summer
Shea, Frank, Main
Shea & Sullivan Co. (The)
Studwell, D. W., 24 Hoyt
Tucker & Vinton, Southfield av
Vuono, Chas. D., 244 Pacific
Wardwell, Fred S.
Weed, Eugene A., 624 Summer
Weed, Geo. N., 5 4th

STRATFORD—Blakeslee, G. W. & E. C.
King, Benjamin (Brick & Stone)

SUFFIELD—Brown, F. W.
THOMASTON—Watrous, John N.
TORRINGTON—Christensen, Theo. A. (Brick)
Clinton, G. R.
De Michel, Jno. & Bros. (Stone)
Farley, J. L.
Fuller, Frank W.
Gleeson, Patrick
Hotchkiss Bros. & Co.
Jenks, George
Kirsch & Bacheter
Lathrop & Shea
Longhi, Louis & Bro. (Brick & Stone)
Peck, Geo. H.
Robbiati, A.
Torrington Building Co. (Large)

WALLINGFORD—Botsford, Horace, Cherry
Wooding, C. F.

WATERBURY—Ahern & Dillane, 38 John
Bahan & Dwyer, 24 Adams
Berardi, Joseph & Co., 60 Clark
Bergen, Edward & Sons, 475 Baldwin
Bernier, Victor, 1011 Baldwin
Bronson Knibbs Co., 24 E Liberty
Brooks, C. M., Euclid av nr. Randolph av
Butler, Thos. F. (Brick & Plasterer), 145
Buttner, J. F., 227 N Willow Bishop
Carey, Owen, Crescent
Chatfield, G. S. Co. (Brick & Stone), 78 Canal
Chatfield & Chatfield (Brick & Stone), 94
Chotzainoff, Julius, 50 Linden Benedict
Cronin, D. E., 11 E Main
Daniel, Alfred, 9 Tracy av
Delowry, Thos. A., 65 Cherry
Dixon, A. B., 67 Canal
Dulac, L. P., 39 Wolcott
Dulac, M. A., 65 Benedict
Fidelity Construction Co., 989 Baldwin
Fitzgerald, E. D., 74 Railroad Hill
Gaffney, J. W. & Son, 427 E Main
Gay, Victor, 22 Union
Goodwin, Jos. S., Munro pl
Granite Construction Co., 517 S Main
Greene, H. T., 30 Woodruff
Hanson, Julius, 784 N Main
Irion, Burton A., 175 Wood
Ketchen, C. A., 432 N Willow
Lovett, Jeremiah A., 59 Fuller
Laravier & Co., 384 N Main
Leboeuf, Felix, 239 River
Macauley Construction Co., 49 Chatfield
Mraz, John 419 S Leonard
Riggs, Gardner G., 108 Bank
Seeley, Chauncey & Co., 85 Bishop
Smith, Edw. C., 399 N Willow
Tafel & Shapiro, 91 Division
Tracy Bros. Co., 52 Benedict
Upham, George A., 48 S Willow
Waterbury Building Co., 14 Vine
Waterbury Cons. Co., 57 Johnson
White & Mohr, 27 Easton av

WATERTOWN—Griffin, J. E.
WEST HAVEN—(See New Haven)
WILLIMANTIC—Caisse, Alexis
Jones, J. H., 128 Windham
Larkin, H. A. & Son, 73 Spring
Larrabee, C., Jr.
Latham & Crane, 159 Valley
Martin, Jos. A.
Paquette, H.
Sullivan, J. O., 48 Jackson
Sullivan, Michael (Stone), Scotland

WINDSOR—Griswold, Charles
Tryon, Watson & Son

WINSTED—Beckley, E. R.
Beers, N. D.
Carey, Jos. F. (Stone & Brick)
Hotchkiss, Lester E.
Johnson, H. V. (Stone)
Parsons, E. B.
Roe, John W.
Ryan, James
Thibault, N. J.

DELAWARE.

DOVER—Collin, G. E.
Cohee, John
Collins & Cohee
Fisher, William
Hirons, Jas. A.

LEWES—Johnson, Frank E.
Johnston, C. W.
Johnston & Virden
Virden, Wm. H.

MILFORD—Shockley, Wm. S.
NEWARK—Jacobs, L. B.
Litte, Samuel (Stone Mason)

WILMINGTON—Anderson, A. G. B.
Anderson, Chas. E., 3 E 13th
Austin, W. B. Contracting Co.
Baker, Geo. P., 1112 Shallcross av
Barkley, J. Warren
Barkley, N. Smith, 1324 W 5th
Berg, Aaron P.
Brilely, Arthur W.
Chandler, Philemma, 907 Monroe
Charles, Geo. S. & Son, 10 W 8th
Cox, Canby, 412 Walnut
Christiana Construction Co.
Dangel, David & Sons, 506 Van Buren

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Downward, Alfred, 716 Shipley
Eckman, Aument, 1509 Gilpin av
Foulk, W. H. & Son, 223 W 10th
Grier, S. F.
Grubb, M. E. & Co., 714 Kirkwood
Haddock, Wm. D. & Co., 804 Orange
Hamilton, J. S., 829 Orange
Healey, John T.
Hewes, James W.
Jackson, John W., 923 Wilson
Johnson, J. B., 724 Market
Jones, Wm. H., 839 Market
Kane, James H. & Sons
Lenderman & Bro. (Large Builders), 10 W 8th
Lewis, Warner S., 606 Orange
Lutton, Norris S., 2612 W 18th
Lynch, Henry S., 409 Orange
Lynch, Philip H.
May, W. Howard
McKee, Geo. S., 2107 Washington
Melvin, Thomas H., 525 E 9th
Newman, Samuel J., 1702 Shallcross av
Phillips, J.
Reed, A. S. & Bro. Co. (Brick) (Large Builders), 815 Shipley
Samworth, Thomas, 1508 Lancaster av
Seeds, H. B., 1714 Broome
Seeds, W. C.
Shakespeare, B. F., 305 W 4th
Simmons & Bros., 102 W 5th
Spence, Wm. M. & Co.
Tarbutton, Samuel E.
Taylor, Geo. W.
Tindall, Chas. H. & Son
Tindall, Wm. C., 511 W 9th
Winslow, Geo. D.
Wood, Marion N., 107 W 9th

DISTRICT OF COLUMBIA.

WASHINGTON—Allared & Appeby, 609 13th
Anderson, Notley, 1402 G, N W
Bache, Arthur J., 1225 11th, N W
Barkman, Geo. W., 721 A, S E
Beall, R. J. Construction Co., 1217 F, N W
Beckwith & Quackenbush, 2925 M, N W
Bieber, Henry, 503 M, S W
Blethyn, Benj. I., 803 Oregon av
Blundon & Simons, 30 Quincy, N W
Boryes & Smith
Bottsford-Dickinson Co., Colorado bldg
Bowersox & Harper, 114 Florida av, N E
Boyer & Smith, 1204 C, N W
Brinkley, S. J., 1322 S Capitol
Brown, H. Z., 939 L, N W
Burden, Joseph, 609 G, N W
Burgess & Parsons, 627 F, N W
Bursey, I. B., 615 5th, N E
Carter, Leroy H., 225 1st av, N W
Cassel, E. D., Lawrence bldg
Cassidy, Chas. J. Co., 523 13th, N W
Cissell, D. T., 1220 11th, N W
Cissel, S. C.
Cogan Bros. & Forschner, Colorado bldg
Colburn Bros., Colorado bldg
Collins, Chas. D., 719 18th, N W
Corbett, Geo. W., 507 9th, N W
Cowsill, Arthur, Colorado bldg
Cozzens, Richard E., Bank bldg
Denham, Chas. S., 820 19th, N W
Denham, Lewis C., 909 20th, N W
District Construction Co., Colorado bldg
Drew, Fred'k Colorado bldg
Dunn, J. M., 1324 5th
Eckhardt, Nicholas, 1140 18th, N W
Edmonston, Samuel H., 611 G, N W
Edwards & Simpson, 717 12th, N W
Emmert, Louis H., 1110 15th, N W
Fersinger, Peter, 1 N, N W
Fissel & Wagner, Home Life bldg
Fitzpatrick, Jas. (Brick), 116 C, S E
Getz, Aug. & Son, 6th & D, N W
Gibbons, Jos. H., 1314 N. C. av, N E
Gilbert, H. P., 1062 32d, N W
Graham, Wm. I., 1407 Q N W
Harrison, G. W., 505 4th, S E
Hazen & Latimer, 463 K, S W
Henderson, John, 1214 E, N W
Henderson, Thos. C., Corcoran bldg
Herriman, M. H., 224 12th, S E
Holtzclaw, W. B., 1705 Pa. av, N W
Horton, Geo. P., Jr., 550 Columbia rd, N W
Hull, Henry, 1418 F, N W
Hutchinson & Harbin, 211 12th, N W
Kemp & Kennedy, 1623 L, N W
Kennedy & Davis Co., 1413 G, N W
Kesler, Wm. H., 215 New Jersey av, N W
King, Chas. W., 1311 G, N W
Knell, Benj. B., 221 John Marshall
Knott, Richard H., 1302 F, N W
Landvoight, Edward, 2100 1st, N W
Lane, Jno. H., 1725 3d, N E
Langley, Chas. A., 310 12th, N W
Lankford, J. A., 317 6th, N W
Larcombe, Jno. S., 808 17th, N W
Leaman, Lafayette, 1004 9th, N W
Lewis, Timothy L., 51 U, N W
Lipscomb, W. P. & Co., 1405 F, N W
McCollum, Edw., 4 I, N W
McCray, Wm. H., 411 2d, S E
McGee, Lawrence, 1515 Gales, N E
McGregor, John, 729 12th, N W
McIntosh, James, 1518 E Capitol
McIntyre, John H., 3221 Volta pl, N W
McKay & Morris, 1333 G, N W
Macarty, Daniel J., 1419 G, N W
Maloney, William E., 11 5th, N E
Mandley, Jos. C., 230 H, N W
Martin, Jas., 1333 S Capitol
Marshall, Jas. L., 614 13th, N W
Matthews, L. J., 130 W, N W
May & Pierson, 1467 P, N W
Melton, T. H., 19 T, N W
Milburn, Harry E., 1743 N Capitol
Millar, Alex, 1215 Ohio av, N W
Montgomery, Victor F., 1112 4½, S W
Mooney, W. E., 1245 New York av
Newman & Smith, Colorado bldg
Newton, Geo. P., 1006 F, N W
Nolan, James F., 1709 New Jersey av, N W
Parry, R. L., 1006 13th, N W
Parsons, James L., Pa. av & 13½
Piper & Kenyon, 729 15th, N W
Plumley, Samuel M., 408 H, N W
Potts, F. C., 17th nr Q, N W
Prescott, Samuel J. & Co., (Large), 700 13th, N W
Pumphrey, Geo. C., 414 7th, S W
Reynolds, Jos. S., 1816 1st, N W
Richardson & Burgess (Inc.), Colorado bldg
Rinehart & Dennis Co., Colorado bldg
Sanford, H. V., 1321 G, N W
Saxton, Edmund, 841 Bladensburg rd, N E
Scaggs, R. A., 1225 Franklin, N E
Schaffert, John L., 427 I, N W
Scott, John H. (Brick), 320 10th, N E
Sonneman, F., 1205 Rhode Island av, N W
Soran, Chas. H., 1409 New York av, N W
Sorrell, Richard H. (Brick), 329 N, S W
Sorrell, Wm. H., 244 8th, S E
Speir, W. E. (Large), 1342 New York av
Spencer, Wm. S., Bond bldg
Spitzer, G. C., Home Life bldg
Thompson, F. I., 3534 Brightwood av
Turner, Watkins L., 41 Q, N W
Turton, James E. & Son, 1007 K, N W
Van Ness, E. M., 1252 Girard, N E, B'kland
Volland, Chas. D., 1526 1st, N W
Volland, Wm. A., 1315 V, N W
Walker, Jno. T. & Son, 1920 N, N W
Walker, Littleton W., Colorado bldg
Wardman, Harry, 717 14th, N W
Wickline & Campbell, 1316 G, N W
Wynkoop, J. A., 628 F, N E
Zepp Bros., 1305 F, N W

FLORIDA.

FERNANDINA—Mann, John R.
JACKSONVILLE — Blackmer, F. C., Dyal-Upchurch bldg
Boden, J. H., 329½ W Forsyth
Brown, Q. E., May nr Gilmore, R
Boykin & Burwell, 107 W Forsyth
Burwell & Hillyer
Cotter, Wm. T. (Large)
Green, Henry
Hadlow, W. T. Co. 510 West bldg
Halsema Woodcock Const. Co., 403 Main
Hammett Contracting Co., 1027 Main
Kooker, J. H., 35 W 5th
Lyttle, Wm. H., 720 Park
McCarroll Compo. Stone Stucco Co.
Onley, J. E., 41 W Union
Palmer & McKenzie (Large), 426 W Forsyth
Richardson, W. P. & Co., 128 E Bay
Silsbe, Richard, Jr., 11 Livingston bldg
Swisher & Demere, Placide bldog
Taylor, Lennis, 536 W Union
Trout, Fred J.
Yates, Henry H., 317 W State
KEY WEST—Kerr, Wm. R.
ORLANDO—Mathews, T. W.
PENSACOLA—Clubbs, A. V. (Large)
Davis, L. M.
Wills & Broughton
ST. AUGUSTINE—McGuire & McDonald
TALLAHASSEE—Gilmore & Davis
TAMPA—Levick, Harry
Sherrell, T. B.

GEORGIA.

ALBANY—Guest, E. L.
Leonard, F. B.
Smith, C. D.
ATHENS—Brown & Cobb
ATLANTA—Aikins, S. C., 608 Peters bldg
Allen, D. C., 416 Peters bldg
Bailey, J. H., 350 Ashby
Bensel, Wm. 66 E Ellis
Bowen, C. J.
Brown, I. N., 705 Peters bldg
Callaway, Quinn, 22 W. Mitchell
Clayton, G. A., 507 Gould bldg
Corbally, J. A., 126 Windsor
De Leon, Moise (Large), 4th Nat. Bank bldg
Donaldson & Pearson, 2 Wall
Fischer, J. A., 162 Whitehall
Flindt, Wm., 113 Pulliam
George, W. H., Prudential bldg
Hamilton, A. L. & Son, 69½ S Pryor
Harris, M. A., 450 S Pryor
Harvil, J. J., 68 Lee
Heifner, F. P., 221 Gordon
Higdon, J. F., 227 Georgia av
Hudson, B. E., Peters bldg
Ittner, Geo., 1015 Prudential bldg
Ittner, N., 1015 Prudential bldg
Lane Bros., 1027 Candler bldg
Lee, D. J., 555 Whitehall
Lee, J. B. & Son
Lowe, J. H., 918 Austell bldg
Ludewig, F. G., 414 Empire bldg
McCaul, C. Co., Walton cor Fairlie
Miles & Bradt Co., 800 Austell bldg
Padgett, B. & Sons, 1202 Candler bldg
Pittman Co., 1131 Candler bldg
Slater, A. J., 136 Rawson
Southern Stone Co.
Terry, N. H., 94 Whitefoord av
Wagener, Fred.
Warner, S. I., 40½ N Forsyth
Warthen, B. & T. Co., 602 Eng.-Am. bldg
Wesley, P. J. & Son, 218 Peters bldg
Williams, H. A., 822 Empire bldg
AUGUSTA—Brown, T. O. & Son (Brick), 322 Telfair
Hallihan & Costello
Little, A. J., 15th & Exposition av
McKenzie's, J. H. Son
Palmer, Mobley & Crooks
Rowland, A. K., Walton way
BRUNSWICK—Anderson, W. C.
Bowen & Thomas
Conzelman, J. G.
COLUMBUS—Barlow, M. C.
Barlow, G. M.
Hardanay, B. H.
Jones, E. A., 506 5th av, G
McCraney, J. A.
Pollard, M. J. C.
Vaughn, S. J.
Wooton, L. E.
MACON—Beeland, W. J., 220 2d
Chambers Contracting Co.
Ellis, Theo. W., Jr.
Interurban Construction Co.
Jones Bros., Commercial Bank bldg
Patterson, A. L. & Co.
Smalling, R. H. & Sons
SAVANNAH—Artley, A. A.
Brown, E. D.
Dickson, T. C.
Eason, J. R. & Son, 316 Waldburg W
Gadsden Contracting Co.
Gould, John D.
Hawley, W. O.
MacMahon, J. J. & Son
Nesseler Contracting Co.
O'Connell, Chas. S.
Rabey, P.
Savannah Cut Stone Co.
Von Eberstein, F. A. & Son
Wood, Henry M., 219 Duffy W
Young, H. O.
THOMASVILLE—Arnold, H.
Gribben, James
WAYCROSS—Morton, A. S. & E. O.

IDAHO.

BOISE—Capital Construction Co.
Faris-Kesel Construction Co.
Grimes, J. K.
Hubbard & Carlson
Little, C. B.
McLean, J. W.
Michael, Frank
COEUR D'ALENE—Carscallon Bros.
Kreig, E. M.
LEWISTON—Madgwick, H. T.
TWIN FALLS—White, Ernest

ILLINOIS.

ALTON—Mulville Bros.
AURORA—Briggs, E. D.
Conklin Construction Co.
Doan & Ambruster (Large)
Frisch, Nicholas
Graham, W. H.

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Hawkes, P. F.
Heitkotter & Sons
Little, Jas.
MacKimmie, Jno. (Large)
Sylvester, Lewis & Son (Large)
BELLEVILLE—Ehinger, Emil
Reeb Bros.
BLOOMINGTON—Evans, J. W. Sons Co.
Greenlee, Tyler T. (Large)
Walsh, Michael (Stone)
CAIRO—Carrol Contracting Co.
Ferguson, Frank
Fraser, A. S.
CANTON—Pool & Sweet
CHAMPAIGN—English Bros.
Showers & Loper
CHARLESTON—Muchmore, C. B.
CHICAGO—Abhau, Geo., 3549 S Western av
Adler, Chas., 214 E Chicago av
Adsit, W. B., 716 W Madison
Allan, George & Co., 725 W 69th
Allison & Golbeck, 115 Dearborn
Almquist, Jno. K., 735 W 61st pl
American Mfg. & Construction Co., 1525 N Ashland av
Anderson, Adolph, 5765 Wentworth av
Anderson, Aug., 2858 N 4th av
Anderson, A. & E., 131 Lasalle
Anderson & Wold, 1662 Kamerling av
Annand, Thomas, 5331 Cottage Grove av
Appel, Henry & Son, 172 E Washington
Armstrong, C. D., 6735 Lafayette av
Ashbeck, L. A. & Co., 1422 Greenwood Ter-
Ashton & Son, 112 Clark race
Asplund, Emil R., 3241 Cottage Grove av
Avery, William, 404 Superior
Bach, Ole S., 265 Superior
Barnard, W. E. & Son, 112 Clark
Barten & Son, 835 W Chicago av
Baldwin, M. E., 204 Dearborn
Barr, Jno. F., 3447½ Indiana av
Barry, W. H., 164 Dearborn
Barry, M. & Son, 220 Illinois
Bartell, William, 161 E Washington
Bartzen, Peter, 2222 Lincoln av
Baudler, Geo., 5141 S Campbell av
Beahan, Jno. J., 168 E 53d
Behrer & Benson, 220 63d
Bell Bros., 138 Washington
Bell & Neeson, 5324 Union av
Bellie, Avile M., 112 Clark
Bergemann & Sons, 597 N Wood
Beste & Casati, 1231 George
Bienvolt, Antonio, 121 Edgemont av
Birkhoff, Geo., 577 W Adams
Bishop, Harry A., 218 La Salle
Bostrom & Olsen, 1988 N Clark
Brahm, Valentine C., 285 N Homan av
Brawner, John W. & Son, 339 W 46th
Brinkman, William, 137 School
Brisch Bros., 1011 Douglas boul
Brown Bros., 380 Dearborn
Brown, Chas. H., 1662 Fulton
Brown, F. E. & Co., 215 Dearborn
Brown & Read, 140 Dearborn
Brust, Michael A., 406 S Robey
Buck, A., 289 41st
Buck, Niels & Co., 145 La Salle
Bulley & Andrews, 115 Dearborn
Burlin & Wagner, 272 W Lake
Burns, Thos., 687 W Lake
Busch, Rud. J., 574 E 47th
Buskett, Frank E., 3509 Calumet av
Byrne, M. P. Cons. Co., 88 Washington
Byrne, Thomas, 5502 S Halsted
Cameron's, W. H. Sons, 2625 W Harrison
Campbell, Archie M. Co. (Large), 132 La
Campbell, Murdock, 112 Clark salle
Carlsen & Lynn, 6809 Yale
Carlson, Albert, 203 E 37th
Carlson Bros., 1828 Indiana av
Carlson, Claus A., 85 Dearborn
Carnegie, J. L. & Son, 85 Dearborn
Carson, C. E. & Co., 159 La Salle
Carter, Wm. G., 138 Washington
Chalstrom, A., 180 E 53d
Chamberlain, T. T., 238 E 33d
Champion, Henry, 350 Park av
Chapman, Charles, 84 La Salle
Chegwidden, Thos., 7850 Wallace
Chellus, Fred'k N., 7608 Saginaw av
Chevalier, Louis G., 61 Ogden pl
Chicago Building Repair Co., 79 Dearborn
Christensen, Christian, 7316 Yates av
Christy, G. R., 266 E 35th
Clark, A. R. & Co., 1st Nat. Bank bldg
CLARK, C. EVERETT CO. (Large), 100 Washington. (See adv. index, end of book)
Clifford & Son, 655 37th pl
Cockburn, James, 205 E 44th
Cohlgraff, Henry, 208 Webster av
Collins, Chas. W., 61 S Paulina
Collings, W. J., 646 W Madison
Collins & Morris, 138 Washington
Constantine, Albert W., 95 Washington
Cooper, Douglass A., 2725 Calumet av
Copp, Gideon A., 211 Rush
Cordes, Henry, 758 Lincoln av
Cormack, Jos., 145 La Salle
Couleur, John B., 435 N Robey
Crawford, A. M., 795 W Van Buren
Crear, Wm., 99 W Randolph
Crilly, Daniel O., 6527 Intleside av
Crilly, Frank L., 167 Dearborn
Cripe, Simon H. & Co., 4238 Milwaukee av
Croake & O'Brien, 145 La Salle
Crook, Edwin (Large), 4004 Cottage Grove
Cullen, Geo. P., 7 La Salle av
Custodis, Alphons Chimney Construction Co., 204 Dearborn
Cutler, L. C. & Co., 524 W Madison
Daegling, Arthur V., 9000 Houston av
Daniels, Oscar & Co., 79 Dearborn
Danielson, Charles O., 10061 av L
Daubenspeck, John W., 441 W 63d
Dearborn Cut Stone Co., 6100 Lafayette av
De Boer, Germ. 222 Washington boul
Degerman, Axel, 84 La Salle
De Laby, Julian A., 776 N Fairfield av
Denton, John, 3564 Cottage Grove av
Desmond, Owen E., 2106 Wabash av
Dettmers, Hy., 442 N Clark
Dewar, Wm. A., 5509 Kimbark av
Diegley, Albert F., 178 E 37th
Diehl, John E., 450 W 63d
Doherty, Frank E. (Large), Chamber of Commerce bldg
Doolan Bros., 4710 Wabash
Dornfeld, John F., 134 Van Buren
Doyle, David H., 888 Douglas boul
Dresser, Van S., 108 La Salle
Dunbar, E. L., 113½ Lincoln av
Du Plissis, Eugene, 811 E 64th
Dusil, Richard, 1262 S Trumbull av
Earl, Johnson, 234 N Park av
Edis, John T., 5525 W Lake
Egerter, J. G., 12 Throop
Ehrhart, W. G., 3742 Cottage Grove av
Eilenberger, H. Co., 153 La Salle
Eisenberg, J. W., 13 Lafin
Erickson, Bros., 1244 Argyle
Ericson, Axel L. (Large), 145 La Salle
Ericsson, Hy. & Jno., 84 La Salle
Erikson, Oscar, 87 E Washington
Erlandson Bros., 1469 W Chicago av
Ewen, John M. Co., The Rookery
Fader, Alexander, 6400 Ingleside av
Falkenan Cons. Co., 108 La Salle
Farrell, J. & Son, 547 Prairie av
Faust, Andrew, 835 N Park av (A)
Federal Improvement Co., The Rookery
Feudl, Louis, 787 Millard av
Findlay, Alexander, 112 Clark
Findlay, John S., 7006 Perry av
Fitton, Joshua, 80 E 35th
Flick, John P., 1240 Montana
Ford & Phillips, 18 Lomax pl
Forrer, Hy., 3904 Indiana av
Fortin, Eugene, 95 Dearborn
Forst, Anton, 1152 S St. Louis av
Foster, Thos. D. & Son, 291 Millard av
Fox & Klippel, 324 Dearborn
Franck, Chas. H. & Co., 78 La Salle
Freeman, Daniel, 138 Washington
Frost, Chas., 15 S Clark
Fuller, Geo. A. Co. (Large), Marquette bldg
Furst, Louis, 43 S Marcus
Galbraith, Thos. B., 2130 Indiana av
Gardner, J. T., 153 21st
Gareau, Cesaire, 875 W Harrison
Gawne, Daniel, 3133 Princeton av
Gebhardt, Hy., 333 5th av
Gebhardt, Jno. & Son, 100 Orchard
Gerten, Jno., 561 Cleveland av
Gilbert, Harry S., 232 Lunt av
Gilliard, James, 145 La Salle
Gilmore, Wm. W., 76 N Franklin
Gilsdorff, Henry & Sons, 163 Randolph
Gillespie & Sutherland, 7251 Rhodes av
Gindele Bros. & Co., 112 Clark
Gitzen, Matthew, 5542 Union av
Glass, Chas. B., 2853 N 44th av
Goetzinger, Wm., 92 La Salle
Goldacker, Herman, 395 W Ravenswood pk
Gomoll, Ernest W., 3116 Lowe av
Gore, W. K., 145 La Salle
Grady, Michael, 379 S Winchester av
Grant, Frank W., 111 S Lincoln
Gray, Nathaniel B., 12 Lafin
Green & Carlson, 112 Clark
Gregory, Jno. R., 56 5th av
Gressman, Herman, 3625 S Hamilton av
Gross, Jno. W., 131 La Salle
Guthrie, Robert M., 1556 Park av
Haeger, A. & Son, 342 W Huron
Haigh, Jos., 204 Dearborn
Hamilton, Jno., 857 72d pl
Hammond, Jno. & Co., 95 Washington
Hansen, Andrew H., 323 92d
Hansen Bros., 445 N Clark
Hanson Bros., 59 Dearborn
Haskins, John H., 1462 Roscoe
Hawes, Albert E., 432 N Pine av
Hayes, D. H. Co., Marquette blk
Heath & Port, 2810 S Park av
Heck, Joseph D., 1311 W 104th
Heinkel, Adolph, 10437 Avenue N
Henderson, Erin D., 12134 Eggleston av
Hendricks, Chas. H., 6221 S Ashland av
Hendry, Alex., 131 N Franklin
Hennessy Bros. Co. (Large), 95 Dearborn
Henney, D. W. & Co., 55 W Jackson boul
Heuser, Wm. A., 554 Orleans
Hibbs, Wm. R., 86 Custom House pl
Hill, Albert, 217 E 37th
Hinchliff, Geo. Co., 188 Madison
Hodges, T. M. L., 189 32d
Hodgson, G. S. & Son, 88 Evanston av
Hoffman, W. L. & Co., 246 W 47th
Homewood, Harry, 112 Clark
Hoppe, Gustav, 1282 S Lawndale av
Horsman, Edw., 86 W Jackson boul
Hough, A. G., 6750 Emerald av
Hughes, Hugh, 1499 Washington boul
Hughes, Wm., 243 S Lincoln
Hunter, Samuel M., 5643 Jefferson av
Huntsman, Calvin, 168 S Jefferson
Hyink, Edw., 487 43d
Industrial Cons. Co., 54 N Clinton
Ingham, M. M., 495 E 63d
Ivens, Edw., 368 Belden av
Iverson, E. & Sons, 189 La Salle
Jackson, Wm. S., 6643 Ingleside av
Jacobs & Nottelmann, 63 Canalport av
Jaergermann, Aug., 1343 E 75th
Jeffrey, John, 79 Dearborn
Johnson, Arvid, 6517 Rhodes av
Johnson, Chas., 1320 Sheffield av
Johnson, E. J., 1315 Newport av
Johnson, G. A. & Son (Large), 153 La Salle
Johnson, Jno. A., 20 S Hamilton
Johnson, Jno. H., 145 Van Buren
Johnson, John Q., 3575 N Clark
Jones, F. C. & Son, 68 E 26th
Jones, Griffith, 438 W Jackson boul
Jones, R. Heber, 6936 Princeton av
Jones, Wm. R., 240 San Francisco av
Joslin, Burt B., 3833 Elmwood av
Joslyn Bros., 145 La Salle
Jung, Peter F., 365 Burling
Jyrch, Karl E. (Large), 694 Fulton
Kalchbrener, Jno., 138 Washington
Kasofsky, Jacob, 473 W 12th
Kavanagh, Jno., 171 N Clark
Kayerod, William, 334 S Western av
Kebil, Jos. B., 120-26 Eggleston av
Ketler, Albert C., 112 Clark
Killeen, Jno., 2182 Augusta
Kipp, Fred & Co., 1459 Newport av
Kirsch, Frits W., 598 N Clark
Klassen, Michael, 379 Orchard
Kreamer, Fritz G. H., 549 N Clark
Kruse, F. A., 6227 Carpenter
Kumke, Paul, 5635 Loomis
Kraniscka & Son, 1215 S Trumbull av
Labinsky, C. W., 440 Warner
Ladd, Edward, 5507 Iowa
Lake View Building Co., 112 Clark
Lane, A. W., 153 La Salle
Langeloh, John, 571 N Lincoln
Langston, Jas., 3745 Cottage Grove av
Larocca Bros., 11 Lafin
Lanquist & Illsley Co. (Large), 393 N Clark
Laschetzke, Frank, 3118 Lowe av
Lauk & Miller, 1664 Grenshaw
Layer, Frank C., 1327 S Millard av
Leafgreen Construction Co. (Large), 145 La Salle
Leafgreen, Hans (Large), Chamber of Com.
Ledgerwood, A. J. C., 184 La Salle bldg
Lee, Jacob N., 4105 Cottage Grove av
Legge, David E., 1341 W Ravenswood pk
Lewis, E. & Son, 1907 Indiana av
Liljestrom, Aug., 5752 S Peoria
Lindstrom, F., 221 E 47th
Liver & Rampenthal, 112 Clark
Lobstein, Jno. G. Co., 459 W 21st
Londelius, C. A., 5850 Indiana av
Lord, Eugene L., 6731 Parnell av
Lots, Philip, 58 Wabash av
Lowes, F. J., 375 S Clark
Lund, Abraham, 271 W Huron
Lutz, John, 5629 Wentworth av
Lyman, James & Co., 59 Clark
Lynch, Jas. J., Chamber of Commerce bldg
Lynch, T., 619 W 12th
Lyons, John J., 1801 Lexington
McArthur, P., 340 5th av
McAvoy, Jas. B., 5144 Indiana av
McCall Bros., 134 Monroe
McCarthy, J., 312 E 57th

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McCarthy, John H., 84 La Salle
McCarty Bros. (Inc.), 134 Monroe
McCumbert, Wm., 112 Clark
McDermott, Jas. J., 236 Blue Island av
McDonald, D. G., 1440 Wabash av
McDonald, Henry, 3238 Wentworth av
McKay, Donald, 1305 S Harding av
McKeand, Edw., 326 55th
McKeown Bros. (Large), 4817 Cottage Grove av
McLachlan Building Co., Pullman av c
McLean, M. H., 4321 Lake av 112th (P)
McLennon, H., 1st Nat. Bank bldg
McNamara, M., 3621 S Paulina
MacPherson, A. Scott, 4340 Champlain av
Major & Wheatley, 541 W 69th
Mahloch, William, 1515 Wabash av
Mahnke & Rhode, 369 Orchard
Marquardt & Brunke, 138 Washington
Marshall, Emery F., 2595 W Ontario
Martin, G. R. & Son, 1650 N Clark
Masek, Frank, 1096 W 19th
Maurer, John E. & Co., 2804 Calumet av
Maurer, Samuel, 749 W 61st
Mayor, Wm. Co., 164 Dearborn
Maynard, E. W., 439 W 64th
Meagher, Arthur, 226 La Salle
Meeker, Chas., 2206 Indiana av
Meiling & Walther, 84 La Salle
Menke, Hy. & Son, 112 Clark
Merritt, Charles, 250 Michigan av
Meyer, Herman P., 32 N State
Miles, Jas P., 152 S 45th
Moe, Ingwald, 138 Washington
Moeller, Ernst, 5920 Emerald av
Mole, Robert, 1289 Lexington
Moore, Chas. W., 125 La Salle
Moorhouse, Jas. F., 1870 N Hamilton av
Moreland, Hugh D. Co. (Large), 97 Clark
Morley, Wm., 184 Washington
Morrice & Barron, 125 La Salle
Morrison, George, 108 La Salle
Morse, Allan C., 3503 State
Mortensen, Justus, 5625 Princeton av
Mortimer, Frank G., 189 La Salle
Moses, C. A. Cons. Co., 138 Washington
Motschman, Albert, 188 Madison
Mueller, Carl R.,, 138 Washington
Mueller, Herman, 138 Washington
Mueller,, Oskar, 138 Washington
Mueller, Paul, 3156 Lewis
Murphy, Malachi, 5315 Wabash av
Nash Bros., 84 La Salle
Nelson, Chas., 192 W Huron
Nelson, C. H., 1298 Sheridan rd
Nelson & Lewin, 84 La Salle
Nelson & McLeod, 84 La Salle
Newhouse Co., 115 Dearborn
Nicely, Geo. W., 640 W 64th
Nicholson, Thomas, Manhattan bldg
Nielsen, S., 424 W 71st
Nisbet, Alex. L., 415 Clark
Norwood, C. L., 190 E 39th
O'Brien, Thomas, 3640 Wabash av
Ockerlund, Nils & Son, 88 W Montrose av
Olsen, Viggo F., 1031 Morse av
Olson, Bros. & Co.
Olson & Larsen, 3941 Indiana av
Orser, D. M., 366 37th
Overland & Wallace, 566 Carroll av
Overstreet, Harry E., 115 Adams
Paddock, B. A. & Co., 115 Dearborn
Parker, John & Son, 801½ W Madison
Patterson, Wm., 942 W Monroe
Pauly, Nicholas, 2208 Archer av
Pease, Frank J., 2767 N 42d ct
Pecchia & Co., 33 Wendell
Perkins, Clarence, 1901 W Lake
Peters, A. E. & Co., 126 Quincy
Peters, Thomas J. & Co., 135 Adams
Petersen, F. E., 202 E 25th
Petersen, H., 3226 State
Petersen, John C. M., 1099 W Fullerton av
Petersen, Niels H., 1562 N Kedzie av
Peterson, John & Co., 153 La Salle
Petterson, Erick G., 5762 Wentworth av
Phimster, David G., 539 Flournoy
Pilditch, Edwin J., 7409 Princeton av
Pillinger Bros., 109 N Park av
Prendergast, T. J. & Co., 138 Washington
Prescher, Jno., 828 Girard
Preuss, John, 1455 N Sawyer av
Pruitt & Moore, 125 La Salle
Puvogel & Schiddel, 1429 Dakin
Ramcke, John, 112 Clark
Rasmussen, Hans, 54 S Seeley av
Rasmussen, N. A., 225 46th
Rauen, Matthew, 615 Edgewater pl
Read, Chas., 159 La Salle
Reagle, Frank A., 12000 S Halsted
Richards, Owen D., 264 Oakley av boul
Ritchie, C. J. & Co., 91 Dearborn
Rix, P. K., 4309 Langley av
Robinson, J. C. & Son, 122 Monroe
Rodatz, Jacob, The Rookery
Romag, Hubert, 932 W 52d
Roney, William, 557 Monadnock bldg
Rodatz, Jacob, The Rookery
Rogan, J. J., 776 E 43d
Rosenthal, O. W. & Co., 9 Jackson boul
Ryan, Wm. J. & Co., 112 Clark
Salomon, M. & Co., 119 Monroe
Salomon, W. E. & Co. (Large), 159 La Salle
Samuelson, Andrew J., 283 Belden av
Samuelson Bros., 3733 Langley av
Sanders, David W., 4069 Princeton av
Schleyer, Chas., 6919 S Elizabeth
Schlueter, Henry W., 204 Dearborn
Schmidt, J. F. Bros. & Co., 97 Clark
Schmidt, Joseph & Co., 5655 S Ada
Schneider, George, 2441 Wentworth av
Schoening & Radloff, 10520 Torrence ave
Schultz, Hy., 84 5th av
Scott, John, 4211 Champlain av
Scott & Hunter, 91 Dearborn
Scouller Contracting Co., 108 La Salle
Scown, Wm. J., Building Co., 115 Dearborn
Scribner, Gilbert H., Jr., 184 La Salle
Severin, N. P., 99 E Washington
Seward, Emanuel, 405½ Center
Seymour, Jas. W., 296 Washington boul
Shand, Alexander, 6926 Parnell av
Shank Co., 108 La Salle
Sheldon, Jas. Co., 92 La Salle
Sherman, J. J., 375 Dearborn
Shields, R. P. & Son, 121 La Salle
Siebold, Fred'k A., 1639 Brompton av
Siebold & Meunkirchen, 112 Clark
Simmons, J. L., 2154 W Madison
Sinclair, Jas. H., 1080 W Harrison
Skoglund, Aug. H.
Smith, H. S., 2327 N 41st ct
Smith & Son, 942 W Adams
Snyder, Jno. W. (Large), 160 Washington
Soderlund, Olof, 3006 Cottage Grove av
Sollitt, Oliver Co. (Large), 164 Dearborn
Sorensen Bros., 188 Madison
Soukup, Peter, 1168 S St. Louis av
Spear, Henry H., 1052 W Irving Park boul
Spiering, Edward D., 3747 Rhodes av
Sproul, Elliott W., Cham. of Com. bldg
Stadler, Chas. H., 1073 S Hamlin av
Stapleton & Buckel, 624 W Lake
Stegman, C., 4624 Cottage Grove av
Steinmueller, Louis, 343 Hudson av
Stephens, Henry J., 374 N State
Stephens, Isaac H., 5729 La Salle
Stevens, Jas. H., 112 Clark
STEWART, JAS. & CO. (Large), Fisher bldg
Stirton, Thos., 1195 Wilcox av
Stocker, T., 147 E 39th
Stockton & Hall, 7147 Harvard av
Strnad, Joseph, 857 S Ashland av
Stuart, Robert, 5660 S Halsted
Stuft, Chas., 395 Dearborn av
Sundene, Andrew, 2375 Lowell av
Sundholm Bros., 204 Dearborn
Swanson, Jacob, 131 La Salle
Sweiberg, Chas. E., 112 Clark
Swiney, Wm. S., 115 Dearborn
Swift, Geo. B. & Co. (Large), 188 E Madison
Tank Bros., 4240 Michigan av
Taylor, John R., 112 Clark
Theboult, Frank, 6324 Madison av
Thompson, John C., 112 Clark
Thompson-Starrett Co. (General Building Construction, Railway Exchange bldg
Thompson, William, 6804 Union av
Thomson, G. & Son Co., 145 La Salle
Tippett, Samuel D., 204 Dearborn
Todd, Jas. & Co. (Large), 145 La Salle
Toney, Frank C., Monadnock bldg
Tregay, J. F., 307 Walnut
Tubbs, Nathan, 21 Quincy
Tucker, Fred J., 414 N Pine av
Tullgren, Mauritz S. & Co., 154 La Salle
Turnbull, G. W., 84 La Salle W
Turner, F. A., 4786 N Clark
Turner & Co., 12 Loomis pl
Turnes, W. J. Co., 167 Dearborn
Van Etten Bros., 2540 111th
Veberg, Chas. G., 149 W 109th
Vermeer, Richard, 5142 Lake av
Vermeersch, Emil, 423 W Diversey boul
Vibert, Chas. M., 236 S Oakley av boul
Waful & Heuchler Co., 204 Dearborn
Wakefield, Ole A., 215 E Washington
Walker, Mathias, 85 Dearborn
Wallin, Peter, 235 Honore
Walsh & Masterson, 97 Clark
Walther, Ferdinand, 172 Washington
Warner Construction Co., 112 Clark
Warren Construction Co., Monadnock block
Warren, Wm. H. Mfg. Co., Blackhawk & Smith av
Watson, Wm., 1208 Lexington
Watts, Joshua, 188 Madison
Watts, R. W., 4309 Berkeley av
Webb, Geo. A., 55 S Morgan
Webbe, S. E. Co., 169 Jackson boul
Weber, B. F. & Co., 4256 N Clark
Wedekind, Aug., 5807 Henry
Wedeles, Solomon, 4920 Ellis av
Wehrmann, Max, 274 5th av
Wehrwein, Albert C., 6428 Vermont av
Wehrwein, William G., 1377 W 72d
Weick, L. E., 451 Cleveland av
Wells Bros. Co. (Large), Monadnock blk
Wells & Campbell, 499 W 19th
Weston, Uri W., 1438 Perry
Westberg, Carl, 6142 Bishop
White, Peter, 678 W 14th
Whittaker, Herbert, 3523 Archer av
Williams, Geo., 112 Clark
Williams, William H., 157 S Sacramento av
Winterson, William, 88 N Oakley av
Wise, Emory C., 145 La Salle
Wolfe, W. J., 6707 Yale av
Wolff, Paul T., 10258 Avenue H
Wolfinger, Clarence I. (Large), 226 La Salle
Wood, A. E., 85 S Wood
Wood, Geo., 108 E 53d
Woodley, Walter, 6250 Michigan av
Woodley, Wm. T., 902 60th
Woodruff, Edmund F., 583 S Spaulding av
Woodard, J. W., 280 E 43d
Woodyard, Alfred, 5510 Kimbark
Woodyard, Jas., 5624 Lake ave
World & Corcoran, 169 Jackson boul
Wuller, Jno. & Co.,4349 Cottage Grove av
Yawger & Co., 138 Washington
Young, Wm., 4537 Cottage Grove av
Ytterberg, Chas., 1236 W 61st
Zadeck, B. M. Co., 135 Adams
Zetterlund, Gustave, 41 Walton pl
Zulewsky, Jno., 5845 Drexel av

COLLINSVILLE—Vuitech, Jos.

DANVILLE—Davis, Mitchell & Co.
Fairchild, J. N.
Gillespie, C. H.
Gillespie, Lowell
Krauel, F. L.
Krauel, Herman
Moore, L. M. & Son, 820 N Vermilion
Pendergast, Thomas (Brick)
Ramsey, F. H.
Schingel, Jos., Jr.
Yeager & Son

DECATUR—Brooks, B. S.
Parke, V. H. & Son Co.

DE KALB—Spicer, L. D.

DIXON—Grieg & Baum (Large)
McAlpin, W. J.
Rink, Wm. H.
Uhl, E. E.

DOWNERS GROVE—Wolfersheim, H. H.
Worley, J. W.

EAST ST. LOUIS—Bosquit, W. C.
Gray, C. L. Construction Co.
Hill, Wm. H.
Inter-State Contracting & Supply Co.
Way, Clark H.

ELGIN—Bosch, Jno.
Boxton & Shannon
Huber, Gottlieb
Logan & Giertz
Jevsen, Henry
Judy Bros. (Large)
Kenyon Bros. (Large)
Lind, Jacob & Son
Marckoff Bros. (Large)
Palm, Lors Eric (Large)
Seiger, Henry W.
Villars, Jno.
Wilcox, W. G. (Large)
Wright, Jno. A.

EVANSTON—Bartlett, C. T.
Brace, L. H.
Bradford, E. K.
Bray, J. L.
Connor, Jno. A.
Connor & McCann
Curry, T. J.
Dupre, C.
Foley, M.
Lane, Oliver
Peterson, F.
Short, John S.
Swanson, Nils & Co.
Wigginton, Jas., Oak av

FREEPORT—Frisbie & Haney
Garman Bros.
Hamlyn Bros.
Hineline, J. M. & H. H.
Kluth, August B.
Rockey, Thomas U.
Rubendall & Lattig

GALENA—Toepel Bros.

GALESBURG—Chalstran, E. A.
Dahlberg, John J. (Large)
Davidson & Rundquist (Large)

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Miller, Chas. (Large)
Olson, Peter T. (Large)
Zitterholm, Emil J.
GENESEO—Larson, Peter
GRANITE CITY—Draper, C. L.
HARVARD—Butts, Albert
Ward, W. H. & Son
HARVEY—Bloodgood, J. C.
HIGHLAND PARK—Berube, Louis N.
Clow, Fred
Laing, Edward M.
Obee, Wm. J.
HINSDALE—Bucholtz, Henry
Froscher, Adolph
Johnson, Wm. (Large)
JOLIET—Bannon, P. R.
Bryant, W. H.
Campbell, Geo. M.
Groth, Adam & Co. (Stone)
Pease, S. B.
Seeley, John
Tunny, Wm.
Wenberg & Wenblad
KANKAKEE—Alberts, M., Jr.
Dufault, Nelson
Paulissen, J. P.
Stenard, E. J.
KEWANEE—Bredt, Wm.
Gofert, Fritz
Granquist, Nels
Gutschlag, Cove
McFarland, C. W.
LA SALLE—Burdick, L. A.
Culver, Chas.
Goodman, E. & Co.
Hartnett, Michael F.
Hoffman, Henry
Noonan, J. F.
LINCOLN—Hungerford, W. (Large)
Simpson, J. A. (Large)
MATTOON—Loomis & Rose
MENDOTA—Bierworth, H.
MOLINE—Brandt, Swan J.
Carlson, Axel
Daebelliehn, Wm. P.
Gust, Ed. & Sons (Large)
Heaps, Clarence E. (Large)
Lorenz, Paul H.
North, Chas. C. (Large)
Peterson, Peter (Large)
Peterson & Johnson
Safe & Anderson
Thompson, Frank C.
MONMOUTH—Cochran, A. W.
Davis, Geo. B.
Duan, A. W.
Feilman, W. E.
MURPHYSBORO—Smith, A. L.
NORMAL—Sylvester, Thos.
OTTAWA—Glen, Jno.
Kerste, A. & Co.
McCormack, Jno. C.
Sanders Bros. Mfg. Co. (Large)
Sinnott Bros. (Large)
PAXTON—Denman, D. D.
PEKIN—Albrecht, E.
Conklin-Reuling Co.
Evans, Henry
Jansen & Zoeller (Brick)
Lampitt & Lampitt
Saal & Brooking
Skaggs, J. M.
Zimmer, E. & Co.
PEORIA—Allen, Wm. M. Son & Co. (Large),
Bashell, A. A. & Son Woolner bldg
Benson, Walter F., 1203 4th av
Coleman, A. & Sons, 802 E Nebraska av
Coleman, W. H. Contracting Co. (Large),
Crescent Contracting Co. 802 Main
Fardon Bros., 111 N Glendale av
Flinn, John L. (Large), 124 S Washington
Hoffman, Louis J.
Jobst, Jacob J., Masonic Temple
Jobst, V. & Sons
Kammerer, Charles, 815 5th av
McDonald & Co.
Meuitz, Fred
Schwerm, J. H. William (Brick & Stone)
Seehaas, William F., 926 Main
Thompson, Almon D.
Wall, Wm. G. & Son, Aiken av nr Sterling av
PERU—Boeckling, C. M.
Elderbrook & Hoschitt
Koehler, Fred'k A.
PRINCETON—Hed, John
Nelson & Swanson
Omer, Charles
Stein, Henry
QUINCY—Brackensick, John (Brick), 601 S 13th
Brinks, Henry, 521 N 16th
Buerkin & Kaempen (Large), 500 6th av, S
Dieker & Son, 916 Jersey
Dunker, Jos. H., 1103 Lind
Fick, Adam, 416 S 10th
Heidbreder & Weiss, 1405 Ohio
Konefes & Son (Brick), 206 S 12th
Lange, Geo. & Son (Large), 813 S 11th
Lux, Ernst, 601 S 12th
Menke, F. W. Stone & Lime Co. (Large)
Meyer, Christian, 908 State
Roehl, Anthony M. (Large), 1606 Spring
Schachtsiek, Herman H., 629 Washington
Schmits, Gerhard, 1137 N 11th
Schutte, Wm., 830 Adams
Shanahan, James J., 732 Jersey
Steinbach Bros. (Large), 219 Jersey
Vonderhaar, Geo. C. (Brick), 1330 Spring
Walterkette, Albert J., 1110 Chestnut
ROCKFORD—Keyt, W. A.
Monteith, J.
Reitsch Bros. Co.
Rockford Builders Supply Co.
Schmeling, Emil M.
Winchester, Thos. (Stone)
ROCK ISLAND—Anderson, Aaron
Anderson & Johnson
Blankenburg, Gustaf
Bleuer, Frank
Collins Bros. (Large)
Hohenboken, Dietrich
Horst, Henry W. (Large)
Hudson & Collins (Large)
Kennedy, David J.
Kononsky, John H.
Leaf, John G.
McConochie, Wm. & Sons (Stone & Brick)
Paulsen, Henry F.
Sievers, Jasper
Tappendorf, Henry
Toun, Chas. H.
Verhale, Modest A.
Volk, Jno. & Co. (Large)
SPRINGFIELD—Culver Construction Co.
De Vares, D. A., 211 E Capitol av
Gehlman, Fred'k (Large), 223 S 3d
Irwin, L. L.
McCabe, John P.
Rape, John W.
Sime, John, 710 E Jefferson
Wilson, Jno. F.
STREATOR—Hoffman, Jos.
Schmid, Geo. A.
SYCAMORE—Anderson, A. W.
Quist, Samuel

INDIANA.

ANDERSON—Bickham, F. M. (Stone)
Brookins, J. H.
Campion & Wyant
Daniels, Chas. H.
Eshelwan & Son
Kelly, Thos. P.
Lyst, E. E.
Savage, Chas. M.
Thompson, W. E.
Wright, H. C.
ANGOLA—Maxwell, W. H.
BRAZIL—Fitzpatrick Bros.
Hawkins & Hawkins
Stonehart, A. F.
Tiefel Bros.
COLUMBUS—Davis, Folger & Co.
Evans, Chas.
Everrond, Wm. & Son
McCormack, P. H. Co.
Robertson, Geo. M. & Co.
CONNERSVILLE—Newman, Geo. S.
Sylvester, E.
COVINGTON—Brown, Chas. A.
CRAWFORDSVILLE—Bishop, J. M.
Carr, W. C. & Son
Doyle, Albert R.
Irwin, O. C. & Co.
Johnson, John
Morrow, E. M.
Nolan & Slattery
Pennefather, E. J.
Richard, D. L.
Shelley, Geo.
Speed, Sidney
Stout, Geo.
Waugh, Jas. M.
Wert, M. V.
DELPHI—Clauser, W. H. & Sons
O'Connor, Jno. C.
ELKHART—Bushnell, G. B. & Co. (Large)
Duncan, G. I.
Helpin, Frank
Kautz, Louis M.
Kistner, Geo. C. (Large)
Moyer, A. H.
Pletcher, Jno. A.
Thomas, Fremont
Welter, L. H.
West, William
Yost, John
ELWOOD—Digel, S. H. (Stone)
Douge, L.
Hicks, W. R.
EVANSVILLE—Anderson & Veatch
Bedford & Nugent
Caden Stone Co. (Stone)
Hollerbach & May Contracting Co.
Kauzler, Christ. & Son
Scarborough-Davies Co.
Stinchfield & Reichert
FORT WAYNE—Bartenick, Wm.
Becker, C. M. Co.
Boester, Fred. H., 1210 Fairfield av
Borkenstein, R., 2532 John
Brown, John O., 1614 W Main
Fuhrman, Wm. J.
Gallmeier, Wm., 1160 Francis
Grotholtman, H. A.
Henry, J. M., 529 W Jefferson
Hilgeman, Henry & Bros.
Irmscher & Westhoff
Kruse & Busching
Liebman, Ernest F.
Moellering's, Wm. Sons
Mollet, Henry L.
Olds, C. L. Construction Co.
Rump, E. H.
Snook, Tom, 1018 Fairfield av
Suelzer, John, 2336 Hanna
Suter, Edward, 2515 B'way
Tapp, Herman Construction Co.
Tieman & Son
Wayne General Construction Co.
Wehrenberg & Busching, 806 Madison
Wermuth, C. R., 512 Suttenfield
Wery, Henry
Wyss, P. H.
FRANKFORT—Frankfort Brick & Cons. Co.
Frankfort Construction Co.
Kelleher & Slipher
Ross, Jno. A.
FRANKLIN—Ferguson, Ashley
GOSHEN—Hatch, W. W. & Son Co.
Myers, John D.
GREENCASTLE—Graham, R. S.
Parker, Green B.
Torr, J. C. & Co.
GREENFIELD—Fry, J. L.
Knight, J. P.
Smith, Marshall T.
Vaughn, W. N. & Co.
Willey, Arthur A.
GREENSBURG—Clasidy, B. H.
GREENSBURG—Foley, Edward
Lowe & Craig
HAMMOND—Blaemine Bros. (Stone)
Brenkus, Jos.
Gaskill, Denton L.
Moser, Peter
O'Shea & Shea
Parker, Wm. W.
Zimmerman, Richard
HUNTINGTON—Keefer & Bailey
INDIANAPOLIS—American Construction Co.
Banks & Co., 620 Mass. av
Baumann, A. & Son, 1818 Singleton
Baxter, J. V. & Co.
Beard, Alvin G.
Bedford Stone & Construction Co., Traction Terminal bldg
Bender, Conrad
Berger, Adams
Brandt Bros., Builders' Exchange
Bruner, A. & Co. (The)
Buck, C. C.
Cash, Richard M., 40 E Washington
Clements, George
Clifton, Jno. & Son, 20 N Meridan
Cochrane, S. W. & Son
Cornelius, Henry D.
Cotton, M. M.
Craig, E. J., 611 Hudson
Culbertson Bros., 203 N Warman av
Despo, A. O.
Dunn Bros., 2305 W Michigan
Elder, Robert L.
Elliott, Homer
Elliott, J. T.
Ent Bros.
Faught, A. E.
Foley, Daniel
Fulmer, L. A.
Hackedom, Hillis F. & Co.
Halstead, W. C. & Co.
Hamilton, Chas. L.
Henschen & Son
Hoffman, C. H.
Hogan-Carse Construction Co.
Honecker, Louis J.
Hoosier Construction Co.
Horton, Chas. W.
Hoss, J. D. A.
Indianapolis Construction Co.
Jose, G. C., 1714 Orange
Jungclaus, Wm. P., 825 Massachusetts av
Kane, F. E. Construction Co.
Kattan, Wm. & Son

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Kennedy, Benj. C., 1338 W 27th
Kennedy, C. E., 1715 College av
Kennedy, Omar R., 2924 Central av
Kennington Bros.
Keystone Construction Co. (The)
Kiel, Henry C.
Lovett, Chas. H.
Luebking, Wm.
Mason County Construction Co.
Miller Bros.
Milliken, I. W.
Moon & Whitesell
Morse, T. J. & Son
Mason & Osbon, 723 S State
Mosley & Newhart, 2989 Station
Noe, Nicholas M.
Nuerge, Chas. & Co., 1217 E Ohio
Pease & Buzatt
Pence, Geo.
Reinking, H. E. & Son
Roberts, J. H.
Sahm, Agit
Schmidt, H. J.
Schreiber, Fred
Scott, David I. & Co., 924 E Washington
Scott, W. P., 133 W Court
Shallenberger, Alex.
Shover, Oran D.
Stewart, John
Tielking, H. W.
Trefz Bros.
Twinane, John I. & Son
Vincent, W. H.
Volpp & Fritz
Wampner, Geo. H. (Brick), 2440 Shelby
Ward, Carey J., 5607 Burgess av
Warren, John R., 12th & Tescumseh
Weaver, Geo. A.
Weddle, Andrew D., 3320 N Illinois
Wehking, Chas. F. Co. (Brick), 124 Olive
Wolf & Ewing
Wourve, Frank H.
Yaryen, J. J., Baldwin bldg
Yawger, A. J. & Co., Fair bldg

JEFFERSONVILLE—O'Neil, Thos.

KOKOMO—Bion, Frank
Dixon, Hunt
Donnelly & Kellar (Paving)
Moore & Danner
Watson, J. H.
Williams, J. S.

LAFAYETTE—Boyer, S. H. P.
Brown, George S.
Burchby, M. E.
Chew, Joshua (Brick)
Herzog, Adam & Son
Moorman, R. R. & Co.
Sense Bros. Co.
Stillwell, Wm. F.
Strate & Jones
Western Cons. Co. (Paving)

LA PORTE—Brockmann & Schneider
Stahl, Albert J.
Struss, Chas.
Vankirk, Jno. P.
Wainscott, Jos.

LEBANON—Busby, G. W.
Miller, Tom. J.
Shahan & McCarty
Swiggert, Perry C.

LOGANSPORT—Barnes, Jas. I.
Casparis Stone Co. (Stone)
Medland, Frank
Medland Bros.

MADISON—Cassidy, T. W.
Donat, Wm. A.
Forsee, John, Sr.
Kirk, Wm.
Schofield Contract Co. (Not Inc.)
White, James

MARION—Barley, C. W.
Barnes Bros.
Benner, F. M. (Stone)
Johnson, L. J.
Michaels & Minnick
Peele, Pasco
Simmons, O. J.
Tjulander, Edward
Yates, Wm.

MICHIGAN CITY—Harbart, A. F.
Ohming Bros. (Brick & Stone)
Ohming, Wm., Sr.
Pepple, G. W.
Roellen, Henry
Schneider, Aug.

MISHAWANKA—Hess & Hiner

MUNCIE—Glass, Lee M.
Gubbins, Jno.
Hager, O. J.
Hathaway, Marion
Higman, Geo. H.
Illingsworth, Fred. & Co.
Kiser & Williams
Leonard, J. C.
Ludlow, J. B.
Petro, E. S.

NEW ALBANY—Baker & Brooks
Beeman & Schefold
Mann, Jno. W.

NEW CASTLE—Cook, D. K.
Elliott, S. H. & Son
Faust, Samuel
Garvey, Jas.
Martin Bros.
Moore, B. F.
Neff & White
New Castle Cons. Co.
Richardson, C. J.
Scott, Wm.

NOBLESVILLE—Adkins, John
Durfinger, John W.
Heinzmann Bros.

NORTH VERNON—Anderson, Theobald & Co.
Brolley, Thos. W.
Deputy Bros. & Wagner
Hicks, E. & Co. (Concrete Masonery)
North Vernon Lumber Co. (Large)

PERU—Bruck, Anthony J.
Goddall, J. B.
Theobald, Jacob

RENSSELAER—Coen & McColby
Donnelly Bros.
Warren, E. G.

RICHMOND—Benfeldt, Z. & Son
Dietrick & Haslcoster
Ferris, W. S.
Johnson, B. & Son (R. R.)
Jones, E. F.
Louck & Hill Co.

ROCHESTER—Caffyn & Carter
Hoffman, Fred.

RUSHVILLE—Kelly, Robert
Redman, W. M.
Walker, Edgar
Winship, Morris & Son

SEYMOUR—Davis & Godfrey
Degolyer, James

SHELBYVILLE—Ballard, A. B.
Bols, Marion
Gunn, Curtis (Cement)
Powell, J. E.
Walton, Geo. R.

SOUTH BEND—Barnes, T. C.
Beyrer, John (Roofing)
Burner, E. & Co.
Christman, H. G. & Co. (Large), 125 S St. Joe
Co-Operative Cons. & Building Co.
Defrees, C. H., 315 S Taylor
Dresden & Stanfield, 407 Laurel
Eckler Mfg. Co. (Large)
Hammond, Hilton, 712 E South
Hickey, Louis A. (Large)
Hoban & Roach
Hoffman, Geo. J., 516 N St. Joseph
Indiana Lumber & Manufacturing Co., 742 S Michigan
Kemble, Harry
Myers, John H.
Neitzel, B. H., 713 W La Salle
Nelson, James, 602 W Division
Nelson, John
Sieg, Christian
Vermande, John C.
Webster, Louis H.

SPENCER—Babbs, Geo. R.

SULLIVAN—Nichols, J. F. (Brick)

TERRE HAUTE—Abbott, C. W.
Central Mfg. Co.
Coffin, J. K. (Common)
Dorsey, Wm. C.
Foulkes-Forbes Co.
Harris, W. H. (Brick)
Houff, A. Dale Co.
Kennedy-McGinnis-Whitlock Co. (Concrete)
Kintz, P. C. & Sons
Martin, T. J. Co.
Miller, Jacob W. & Son
Mitchell, Chas. W.
Ohm, August
Parker, T. A. & Co.
Ranell, A. W.
Roberts & Co.
Schakfer, Jno. Geo. & Son
Wabash Construction Co.
White, Wm. J.

TIPTON—Bowlin, M. L.
Henry, E.
Pope, Aug. H.
Porter & Bowlin
Roode, F. M.

UNION CITY—Hoke, J. S.
Steel, J. M.

VALPARAISO—Dickover, C. W.
Smith Bros.

VINCENNES—Brown, R. A. & Co.
Hartigan, John
Salter-Morgan Co.

WABASH—Hipskind, Jno. & Son
Showalteo, Daniel

WASHINGTON—Brown, R. A. & Co.
McKernan, Hugh

WINCHESTER—Moorman & Goodrich
Sanders, A. E.

IOWA.

ATLANTIC—Aldrich, J. B.
Dennison, Samuel

BOONE—Samuelson, E. H.

BURLINGTON—Anderson, C. A., 508 Leebrick
Beck, H. A.
Binder, Geo. W.
Bokenkamp, Henry
Burlington Construction Co.
Dalgleish, W. S.
Gilbert-Hedge Lumber Co.
McLain, J. W.
Miller, Louis J.
Pearson & Son
Woodcock, Clarence
Young, N. L.

CEDAR RAPIDS—Bartlett & Kling (Large)
Edinger, Edward (Stone)
Loomis Bros., Kimball bldg
Wallace, R. A.

CENTERVILLE—Centerville Brick & Material Co.

CLARINDA—Crabill, J. M.
Welsh, W. W. (Large)

CLINTON—Curtis Bros. & Co.
Ingwerson, Borbeck & Co.
Lake, John & Son

COUNCIL BLUFFS—Anderson Bros.
Consolidated Construction Co.
Gensen, Nels
Herman, F. L.
Jensen Bros.
Liles & Pennell
Morgaard, C. C.
Peterson; Peter
Rasmussen, Nels
Reynolds, S. W. & Son
Saguin, James (Bridge)
Schneider, Thos. H. & Co.
Sherer Bros.
Wickham, E. A. & Co.
Wind, P. H.

CRESTON—Creston Planing Mill
Young, Chas. C. (Large)

DAVENPORT—Arnould, Alphonse A. (Large)
Coen & Conway (Large), 320 Division
Carstang, Valentine & Co. (Brick), 1540 W 2d
Independent Construction Co., Lane bldg
Mahan, John E., 110 W 3d
Miekley, Albert F., 719 Harrison
Nebergall, J. Frank, 2212 Grand av
Neuenhaus, Gerard, 529 Jersey Ridge rd
Osborn, C. Edwin, 1221 Harrison
Peters, John, 1320 Warren
Phillips & Volquardsen (Large), 1412 W 3d
Pyle & Puls (Brick)
Soller, John
Steckel, A. & Sons Co., 310 W 18th
Tri-City Construction Co. (Large), Masonic Temple
Westphal, Wm. August F., 1323 Brown

DES MOINES—Benson & Marxer, 425 Grand av
Cram, Frank, 505 Grand av
East Side Planing Mill
Herrick, O. P., 109 Locust
Iona Bridge Co.
King-Lambert Construction Co., 21st
Lovell, Walker D.
McGorrisk, Jno. B.
Magden & Sheeley, Clapp blk
Maine, Jas. & Sons Co., 119 8th
Mitchell, W. F. & Co., 116 8th
Stark, N. M. & Co. (Bridge)
Turner-Roland Co.
Tusant, J. E., 590 7th

DUBUQUE—Gregg, J. J.
Lee, James & Son (Paving)
Ney, Albert
Schulte, B. & Son (Stone)
Tibey Bros. (Stone)

EMMETSBURG—Dooley, Jno.
Wells, Patrick R.

FORT DODGE—Boyer, J. W.
Hansman, F. J. & Co.

FORT MADISON—Brandenberg & Currie
Hansman, F. J. & Co.
Nieters, Jos. H.
Rissinger, W. A.
Smith, A. W.

GLENWOOD—Tipton, John H.

GRINNELL—Coutts, R. G.

GRISWOLD—Huckins, E. G.
Reed, E.

HAMPTON—Bailey, H. L.
Crawford, B. L.
Hunt, Samuel
Johnson, J. W.

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Kibbs, A. J. (General)
Roberts, Stewart
Sargent, G. E. (General)
Simonson, C.
Wheeler, F. F.
HARLAN—Larson Bros.
IOWA CITY—Metzinger, J. W.
Rowson, Jas. & Son
KEOKUK—Cameron, McManus & Joyce
Dollery & Wooley
KEOSAUQUA—Prall & Vance
OSKALOOSA—Carlon Construction Co.
OTTUMWA—Ottumwa Mill & Cons. Co.
SHENANDOAH—Dunnegan, J. J.
Wright, T. B.
SIOUX CITY—Short, B. E.
WATERLOO—Lauritzer Bros.
WEBSTER CITY—Zitterell, W. J. (Large)

KANSAS.

ATCHISON—Seip & Co.
EMPORIA—Barthel Co.
Lewis, L. W. (Stone)
FORT SCOTT—Coe, Elmer
Keplinger, A. L.
HUTCHINSON—Hutchinson Lumber & Planing
Smith, C. L. Mill Co.
Snider, H.
Wagnor, H.
INDEPENDENCE—Addington, D. M.
Bender, F. N.
Philbrook & Stanton
Riney, Wm. B.
JUNCTION CITY—Cook, W. W. & Son
Zeigler Bros.
Ziegler & Dalton
KANSAS CITY—Hillenbeck, E. B.
Hitsch, Carl
Johnson & Brown
Lusk, J. N. & Son
Phillips, G. W.
Ronderbuch, G. G.
Taylor, J. W.
Thompson, F. A.
LAWRENCE—Carter, W. R.
Kaufman & Honey
Nadelhoffer, Wm.
Stubbs, J. E. Construction Co.
LEAVENWORTH—Mexos (The)
Stanton, M. & Co.
Willcott, John
Yoakum, R. B.
OLATHE—Bushong, E. E.
West & Ekengreen
PARSONS—Cramer, Wm.
Medaris, C. F.
PITTSBURG—Massman, Fred.
TOPEKA—Scheloske, Robert & Sons

KENTUCKY.

ASHLAND—King, J. M.
Standard Planing Mill & Bldg. Co. (Large)
COVINGTON—Boyd, Mandreville
House, C. W.
Jones, John
Keefer, Geo. W.
Kieley & McDermott
Northcutt Bros.
Pohlkamp, H. & Son
CYNTHIANA—Karrick, A. C.
Poindexter, J. R.
Raymond Bros. Co.
DAYTON—Smith Contracting Co. (The)
HENDERSON—Bailey & Koerner
HORSE CAVE—Owens, Clarence
LEXINGTON—Batesman, W. M.
Combs Lumber Co. (Large)
Corbin, Frank
Curran, Wm. & Son, 162 N Limestone
Dalton, F. R.
Hulett, F. H.
Lexington Lumber & Mfg. Co.
LOUISVILLE—Bailey & Koerner, 31st & Market
Barnes, R. A.
Bartman, Chas.
Bicker, Jos.
Breslin Bros.
Carter & Carter
Chreste, John
Figg, L. R.
Gregory, Dudley (Brick), Tyler bldg
Greiner, John
Greiner, Tobias
Hall, C. S. & Co.
Harris, Robert T.
Hercules, Geo.
Hoffer, John
Jeunessee, R.
Just, L. & Co.
Kentucky Construction Co.
Kilgus, Christ. F.
Kuadler & Fraucke
Lewman, M. T. & Co. (Large), Tyler bldg
Markham, A. & Co. (Inc.)
Miller, W. B.
Minor, J. S. & Son
Rommel Bros., 915 E B'way
Schuman, R. A.
Sebler, Jos. & Co.
Steward Bros. (Carpenters)
Steward Bros. (Construction)
Weatherton, Thos. J.
MAYSVILLE—Lane & Easton
Hord & Farrow
Dea, John V. & Co.
McDowell & Cass
NEWPORT—Covington Construction Co.
Wilson, L. H.
Wright, James C.
OWENSBORO—Owensboro Planing Mill Co.
OWINGSVILLE—Palmer, Oscar
PADUCAH—Agnew, J. W.
Coleman, C. A.
Murray, Arthur (Brick)
SHELBYVILLE—Craig, J. M.
Gruber, L. H. & Sons
WINCHESTER—Clark Construction Co.
Jones, J. H.
Lucas, H. V.
Powell, N. A.
Wheeler, J. W.

LOUISIANA.

BATON ROUGE—Kroger, John B.
MONROE—Paillet & Kirk
NEW ORLEANS—Baehr, John, Jr.
Booth, Thomas
Borne, Benj. W.
Dameron & White, Hennen bldg
Gardner, J. H. Cons. Co., 505 Tchoupitoulas
Glover, Geo. J. (Office, Railway & Manufacturing Buildings), Hibernia Bank &
Grimm, H. F. Trust bldg
Hebert, E. A.
Huber, Geo. W.
Huet, Max
Inter-State Construction Co.
Jefferson Construction Co. (Not Inc.)
McCarthy, Richard, Jr.
Markel, Jules W.
Meyer, Henry C.
Morse, Abram H.
Muir & Fromberz (Large), 211 Camp
Ridgeley Bros.
Rodrick, John A.
Sarre, Wm. A.
STEWART, JAS. & CO. (Large), Hibernia Bank bldg
Stone, John C. (Ltd.)
Tranchina, D. & G.
Van Meter, W. W.
Walther, Otto, 313 St. Charles
SHREVEPORT—Chatwin Bros.

MAINE.

AUBURN—Keene, Fred. W.
Shaw, David T.
AUGUSTA—Burns, Ernest H.
Fletcher & Robbins
Jackson, Wm. W.
Jewett & Hanson
Nichols, J. M. & Co.
Rollins, Thos. M.
Wellman, Frank R.
BANGOR—Barnes, Morris & Co.
Cowan & McCarthy
Cutter, L. W.
Eastman & Emerson
Graham & Walch
Grant, James L.
Young, James S.
BAR HARBOR—Bunker, David A.
Hapworth, Hubert E.
Savage, Fred. L.
Shea Bros.
Small & Ingalls
Whittaker, E. H.
BELFAST—Parker, Israel W.
Pottle, Nathaniel J.
BENTON STATION—Brown, J. E.
BETHEL—Merrill, Edmund
Tuell, Gilbert
BIDDEFORD—Allen, Isaac A.
BLUE HILL—Mason, Frank L.
BOOTH BAY HARBOR—Dodge, C. F.
Holton, W. R.
Searey, John
BREWER—Copeland, S. D.
BRUNSWICK—Gahan, William P.
Sawyer, James E.
BRYANTS POND—Bacon, H. A.
CAPE NEDDICK—Phillips, Edward H.
Stover, Howard M.
Winn, Sidney D.
CARIBOU—Astle & Page
Ireland, A. F.
CASTINE—Gardner, J. C. M.
CENTER LOVELL—Russell, Benj., Jr.
CHARLESTON—Brooks, E. R.
CHEBEAGUE ISLAND—Hamilton, Howard S.
CLINTON—Kidder, W. H.
COLUMBIA FALLS—Peterson, P. B.
CORNISH—Bradley, John
CUMBERLAND CENTER—Merril, Wallace L.
Frank, L. A.
DETROIT—Harris, Chas. T.
DIXFIELD—Eastman, W. O.
EAST LEBANON—Gerrish, F. H.
EAST MACHIAS—Foster, James A.
Hall, Chas. L.
EAST MONMOUTH—Perkins, B. J.
FALMOUTH FORESIDE—Randell, L. L.
FORCROFT—Atwood, Samuel F.
Brown, Walter L.
FRIENDSHIP—Mitchell, John D.
Murphy, Burt A.
FRYEBURG—Shirley, Eldon E.
FRYEBURG CENTER—Emerson, J. E.
Farrington, C. W.
GUILFORD—Seabury, Stanley E.
HAINES LANDING—Walker, W. F.
HALE—Walker, W. F.
ISLESBORO—Pendleton, A. A.
ISLESFORD—Bryant, A. J.
JONESBORO—Fish, Chas. E.
KENTS HILL—Lovejoy, H. W. S.
KEZAR FALLS—Palmer, W. H. & Son
KINGSFIELD—Hinds, A. V.
KITTERY POINT—Raynes, Daniel
LEWISTON—Bearce & Clifford Cons. Co., 244
Burnup, Carlisle & Anthony Maine
Libby, Wm. A. & Son
Sanciers, Thos.
White, J. W. & Co. (Mill)
LINCOLN—Chamberlain, Bela L.
LISBON FALLS—Blethen, W. D.
Philbrook, Jos. & Son
LITTLEFIELD—Silver, A. H. & G. T.
LITTLETON—Murry, Michael
LIVERMORE FALLS—Farrington, Jos. H.
Greenwood, E. H.
Holley, A. L.
LOVELL—Brown, W. O. & Son
LUBEC—Trecartin, Frank W.
MANSET—Dolliver, B. T.
MILBRIDGE—Leighton, Lincoln H.
Strout, Leverett
MILLINOCKET—Rush, Frank W.
MONSON—Smith, Percy
MOODY—Hilton, Benj. H.
Hilton, Harvey A.
NAPLES—Morris, Edward E.
NEWPORT—Josslyn, Joseph L.
Newcomb, Chas. F.
NORTH BERWICK—Goodwin & Gerry
Littlefield, W. B.
NORTHEAST HARBOR—Lamson & Hodgdon
Ralph, I. E.
Soulis, James H.
Wilson, L. A.
NORTH HAVEN—Calderwood, Henry E.
Lermond, O. D.
NORWAY—Pike, Horace
OQUNQUIT—Littlefield, David M.
Littlefield, W. C.
Perkins, Moses S.
ORRS ISLAND—Wilson, Lewis A.
PEMAQUID—Hawes, E. A.
PHILLIPS—Sargent, Samuel J.
PORTLAND—Anderson, Oliver
Bean, Thos. C.
Benson, Cyrus M.
Brett, Jos. K.
Burns, Neil A. N.
Bryant, C. U.
Cann, W. L.
Cobb & Webster
Cunningham, F. W. & Sons, 390 Congress
Dellatorre, Norman A.
Dunscomb, Wm. J.
Fillmore, David K.
Flood, Alger S.
Hamlin, D. Edward
Hanson, Chas. A., 191 Grant
Hanson, Lyman W.
Hayden & Dingwell
Hunt, Enock W.
Johnson, E. G. & Co.
Johnson, Everett C.
Leard, Jas. B.
Libby, Joseph G.
Libby, Summer & Son
Littlefield, Eugene W.
Livingstone, Philip
Lowe, Robert B.
McCausland, W. B.
Mahoney, John J.
O'Rourke, Cornelius S.

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Philbrook, Geo. E.
Pollard, W. H.
Quigley, J. C.
Rackley, John W.
Rich, Rufus E.
Robinson, W. C. & Son
Robinson & Miller
Rogers, Spencer & Son
Russell, Ernest E.
Shanahan, R. D.
Swanholm, Karl F. A.
Willis & Rumery
Wilson, A. C.
PRESQUE ISLE—Smith, Chas. H.
PRINCETON—Mercier, J. B. & Co.
PROSPECT HARBOR—Chase, E. D.
PROUTS NECK—Googins, Alonzo L.
RANGELEY—Hoar, Anson M.
Jacobs, Frank
RAYMOND—Strout, Fred L.
READFIELD—Sedgeley, F. C.
RIDLONVILLE—Dunn, Isaac H.
ROCKLAND—Fale & Simmons
Sherman, Geo. A.
Stanley, F. A.
Ulmer, O. E.
SANGERVILLE—Rollin, F. E.
SCARBORO—Higgins, Walter S.
SEAL HARBOR—Candage, B. W. & Sons
SEARSPORT—Wentworth, Edwin J.
SKOWHEGAN—Clough, Wm. A.
Puritan, Horace Co. (Large)
Reed, Horace E.
SMALL POINT—McIntire, C. H.
SORRENTO—Foster, N. P.
SOUTH BRIDGETON—Gamage, Warren L.
Johnson, D. C.
SOUTH BRISTOL—Gamage, L. A. & Son
SOUTH FREEPORT—Curtis, Reuben B.
Jones, H. E.
SOUTH HANCOCK—Smith, Rodman C.
SOUTH PARIS—Murch, J. M.
SOUTH PENOBSCOT—Gray, W. L.
SOUTH PORTLAND STATION—Dyer, C. G.
Forgume & Romana
Hoyt, Jas. D.
Marshall, Frank H.
Newell, Hubbard F.
O'Neil, James H.
Paige & Conary
Rowe, Ansel B.
SOUTHWEST HARBOR—Tracey, Henry
SOUTH WINDHAM—Files, Herbert G.
SPRINGVALE—Chamberlain, F. J.
STANDISH—Elwell, W. H. C.
STEEP FALLS—Shaw, S. S.
SULLIVAN—Workman, Henry S.
THOMASTON—Beverage, John T.
TREVETT—Gove, Allen
UPTON—Abbott, Hallis I.
WATERVILLE—Cary & Parent
Harris, John A.
Kidder, Chas. B.
Witham, E. Payson
WAYNE—Berry, J. B.
WEST HARPSWELL—Merriman, Leon B.
Randall, Wm.
Stover, Calvin F.
WEST JONESPORT—Noyes, W. L.
WEST KENNEBUNK—Clark & Jones
Grant, Randall J.
WEST TRENTON—Hopkins, E. A.
WINTER HARBOR—Grover, Chas. E.
Joy, Fred. V.
Smallidge, J. L.
Weston, Frank E.
WINTHROP—Bishop, Frank I.
Stevens, H. W.
YORK—Goodwin, E. Everett
YORK BEACH—Bean, M. Q.
Leavitt, F. P.
YORK CORNER—Brewster & Grant
Booker, S. B.
YORK VILLAGE—Balentine, Elijah
Sewall, Noah M.

MARYLAND.

ANNAPOLIS—Feldmeyer, Wm. E.
Gardner, Wm. B.
BALTIMORE—Balto Erecting Co.
Bennett, B. F., 123 S Howard
Bennet, Rufus & Son
Brady, Edw. & Son, 915 Park av
Brady, J. P.
Brown, Leonard
Bunnecke, Geo. & Son, 305 St. Paul
Butzler, Wm. & Co.
Callaway, Frank H.
Carroll, Aquilla M.
Davis, Jacob C., Jr.
Decker, Fred & Son, 1200 E Biddle
Flagg, Wm. F.
Forrester, John R.
Fuller, Geo. A. Co., Hoen bldg
Graf, Conrad
Grempler, Henry M.
Heath, Geo. R.
Herbold, Chas. & Sons
Hiltz, John & Sons, 3 Clay
Hopkins-Barnett Co., Calvert bldg
Hughes, John, Jr., & Co.
Hyatt, Gouverneur & Son (Waverly)
Jefferies, Geo. R.
Keelty, James
Locke, Thos. F.
McKnight, John
McLean Contracting Co.
Monmonier & Sorrell
Moylan & Welch
Mueller, Anna B. (Mrs. John G.)
Mueller, John G. & Co.
Noel Construction Co. (Large), U. S. Fidel-
Reed, Benj. F. ity & Guaranty bldg
Rook & Darling
Rothhenburger & Co.
Russell Construction Co. (Not Inc.)
Southern Construction Co.
Stockhausen, Chas. L., Gay c Water
Walch, J. J. & Son
Waters, John, 23 E Centre
Watters, Edward & Co.
Wells Bros. Co. of New York
CAMBRIDGE—Brown, J. Ben.
Carmine, Shadrack
Nichols, J. W.
Patchett, Henry C.
CHESTERTOWN—Culp, W. S. & A. M.
Dwyer, Frank E. (Large)
Pippin, Walter T.
CUMBERLAND—Mertens, F. Sons (Large)
EASTON—Whitby, W. H.
EASTPORT—Smith, Wm. H.
ELKTON—Stephens, Wm.
Strickland, A. M.
FEDERALSBURG—Messenger, R. W.
LUKE—Sigler, Wm. T. (Large)
SALISBURY—Abbot, Merrill
Elliott, John T.
Ennis, W. J.
Johnson, Lee
Johnson & Jenkins
Powell, W. C.
Pusey, W. P.
Slemmons, T. M.
SNOW HILL—Corddry, W. D. & Son
TAWSON—Burns, Wm. K.
Thomas, Chas. E.
WESTMINSTER—Hunter, Chas. B.

MASSACHUSETTS.

ADAMS—Barrett, P. J.
Water, Frank M.
AMESBURY—Moran, John H.
AMHERST—Blodgett & Spaulding
Bosworth, Geo. E.
ARLINGTON—Disston, Geo. A.
Lowe, Geo. H.
McDonald, Angus G.
Marton, O. R. & Co. (Not Inc.)
ATHOL—Fredette, Edward
ATTLEBORO—Rawson, Henry A.
AUBURNDALE—Beardsley, Maurice E.
BARNSTABLE—Jones, Leslie F.
BARRE—Bassett, H. M.
BELMONT—Johnson, Olof
Loomer & Allen
BEVERLY—Connolly Bros. (Stone)
Donkins, J. M. & Son
Flint, Walter S.
Gadbois, Arthur J.
Geary, John
Guarino, Cassiniero
Hallis, H. Merritt
Hanson & Batchelder
Hurlburt, Job F.
Linehan, D. & Son (Stone)
Morgan, Chas. E.
Ober, Prince, 363 Cabot
Stewart, Frank W.
BILLERICA—Hosmer, Victor J. (S. B.)
BLACKSTONE—Kenney, John
Taft, L. A.
BOSTON—Abbott, E. A., 95 Milk
Adams, Terrance, 1812 Washington
Allen, Adelbert H., 26 Brattle
Allen, C. S. Co. (The), 9 Allston, Alls.
Altman, Samuel, 12 Holborn, Rox.
Ambursen, Hydraulic Cons. Co., 176 Feder-
Anderson, Carl T., 243 Everett, E. B. al
Atlantic Construction Co., 6 Beacon
Atlas Construction Co., 683 Atlantic av
Bagloe, John C., 16 Waltham
Barrett, Joseph J., 615 Dorchester av
Barry, W. J., 58 Fenwood rd.
Barter, John E., 817 South, Rox.
Beal, A. B. & Son, 43 Tremont
Belledeu, C. H., 5 Province ct
Benard, Thos. H. & Son, 114 Draper, Dor.
Bigelow & Harriman, 127 Federal
Bishop, J. W. Co., 683 Atlantic av
Bixby, John G., 320 W First, S. B.
Blackwood, Ira B., 75 W Dedham
Blaisdell, Geo. S., 80 Minot, Dor.
Boden, Henry J., 51 Evelyn, Mat.
Boretto, Julius, 109 Norfolk av, Rox.
Boulter, Leroy S., 26 Wyoming, Rox.
Bourne, George F., 148 Mt. Vernon
Boyle, J. M. & Co., 22 Allston
Brigg, Geo. M., 127 W Canton
Brock, Edward, 35 Winthrop, Chsn.
Brock, Nathan S., 39 Parsons Behurst. Dor.
Broderick Thomas F., 40 Custer
Brown, Bedford F., 17 Randolph rd, Mat.
Brown, Wm. H., 904 Harrison av
Bryne Contracting Co., 53 State
Bryne, Geo. M. Co., 7 Water
Bryne, Willard B., 262 Washington
Burt, J. H. & Co., 1617 Blue Hill av, Mat.
Campell, John P., 2 Agassig pk.
Cann, G. S., 1206 Harrison av
Carroll, Michael T., 314½ Blue Hill av,
Cefalo, Antonio, 220 Devonshire Rox.
Chamberlain, Wm. A., 30 River
Chandler, J. H. Co., 29 Scotia
Chisholm, Donald C., 15 Freeport, Dor.
Clark, Edward W. & Co., 7 Water
Clark, Eldon A., 280 W First
Clark, Frank W., 287 Adams
Clark, Henry S., 490 E B'way, S. B.
Clark, Norman, 15 Rosedale, Dor.
Coleman, Daniel, 16 Oscar, Rox.
Coleman, John C. & Son, 16 Bynner, J. P.
Connery, David, 47 River House
Connolly, Thos. H., 14 Devon, Rox.
Cossett, Wm. A., 100 Harvard, Dor.
Contanche, Joshua, 11 Province
Crane, Wm., 7 Water
Cranitch, John J., 7 Water
Crawford, Andrew, 7 Tebroc, Dor.
Crosby, Riley G., 23 Barry, Dor.
Crosby, Wm. H., 40 Rosedale, Dor.
Curley, John P., 167 Centre, Dor.
Currier, C. E., 110 Summer
Cusack, Andrew M., 95 Milk
Daunt, John A., 355 E, S. B.
Davidson, Gideon L., 435 Columbia rd, Dor.
Davidson, James H., 51 Esmond, Dor.
Davis, Geo. M. & Son, 46 Cornhill
Dean, Geo. A., 45 Howard av, Dor.
Delano, Wm. J., 2a Bowditch st, Rox.
DeWitt, John E., 170 Bellevue, Rox.
DeWitt, Kenneth S., 218 Centre, Dor.
Dibblee, Theo. L., 687 Centre, J. P.
Donovan, Patrick F., 115 Terrace, Rox.
Douse, John W., 22 Downer av, Dor.
Doyle, James E., 17 Harvard pl
Drake, John W., 406 Border, E. B.
Duff, John W., 170 Summer
Dunlop & McElaney, 92 Utica
Eadie, Wm. 633 Columbia rd, Dor.
Ekland, Henry J., 99 Park, Dor.
Elston, A. A. & Co., 83 Devonshire
Fallon, James D., 33 Crescent av, Dor.
Ferguson, James H., 22 Parkman, Dor.
Ferguson, John, 30 Black
Finn, Barnard, 100 Webster, E. B.
Fishbein, Louis, 57 Auburn
Fossett, Matthew H., 4350 Wash. Rox
Fowler, Daniel S., 24 Storer
Fox, Benj. (Inc.), 15 Exchange
Frame & McPherson, 99 Border, E. B.
Fuller, Geo. A. Co., Board of Trade bldg
Furber, C. E., 6 Beacon
Gerrish, H. D. & Co., 129a Centre, Dor.
Gilman, Joseph N., 22 Pitts
Goudey, Gilbert O., 8 Rozella, Dor.
Gow, Chas. R. Co. (The), 79 Milk
Graves, Rupert A., 118 Charles
Griffin, John F. & Co., 95 Milk
Hannon, Frank J., 166 Devonshire
Harkins, John F., 331 Paris, E. B.
Harting, Peter J., 20 Leedsville, Dor.
Hatch, Wilbus J., 75 Minot, Dor.
Havey, John A., 43 Mendum, Rox.
Havey, Thos. E., 7 Metropolitan ter, Rox.
Hawes, Benj., Jr., 14½ Harrison av
Hayes, Geo. C., 166 Devonshire
Henderson, James, 8 Fletcher, Rox.
Hersey, Ira G., 166 Devonshire
Hertel, Frederick W., 124 Boylston, J. P.
Holland, James, 666 Columbia rd, Dor.
Holmes, Chester D. (Estate of), 20 Creek sq.
Horn Bros., 18 Cambria
Horne, Richard F., 139 W Brookline
Horton & Hemenway (Large), 683 Atlantic
Hurley, John J., 27 Knapp
Jefferson, Wm. J., 147 Dudley, Rox.
Johnson, Alfred & Son, 292 Main, Chsn.
Johnson, Frederick, 84 Chestnut
Jones & Meehan, 10 Tremont

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Julien, Francis X., 22 Vernon, Rox.
Kellough, Wm. J., 7 Pine
Kelly, John A., 261 Columbia rd, Dor.
Kelly, John E., 186 Sycamore, Rox.
Kennedy & Peterson, 18 Cambria
Keylar, Thomas, 15 Winship, Br.
Kinney, Alfred F., 99 W Brookline
Lahaise, Lomer, 43 Cranston, J. P.
Lamont, Alvin & Co., 1200 Harrison av, Rox.
Lawler, Bros., 16 City sq, Chsn.
Lawson, Chas. L., 78 Fairbanks, Br.
Le Blanc, Philip, 35 Alexander, Rox.
Letteney, Wells T., 43 Chelsea, Chsn.
Leverone, Frank, 97 Fulton
Libby, A. A. & Son Co. (Not Inc.), 161 Devonshire
Lindemann, S. Walter, 126 Water
Litchfield, Edwin M., 127 W Brookline
Lombard, James H., 87 Warren, Rox.
Long, John & Son, 9 North
Lord, Rufus E., 40 State
McAleer, John B., 21 Province
McAuley, Daniel A., 641 Warren, Rox.
McCoy, James E., 166 Devonshire
McCracken, Wm. J., 20 Jones av, Dor.
McDonough, Domonick J., 111 Draper, Dor.
McEachern, Daniel, 185 Charles
McGahey & O'Conner, 95 Milk
McGovern, James, 875 Adams, Dor.
McGuire, Martin, 44 Granger, Dor.
McKillop, Daniel R., 100 Appleton
McLane, Edward R., 47 Tower, J. P.
McLean, Austin W., 84 Chardon
McLean, C. Garfield, 83 Haverhill
McLean, Joseph W., 1010 Tremont, Rox.
McLeod, Wm. A., 48 Cohasset, Rox.
McMorrow, John, 322 Adams, Dor.
McNeil Bros., 90 Freeport, Dor.
McPherson, John A. & Co., 12 Chestnut
McPherson, John T., 59 Warren av
Mackinon, Neil, 415 Chestnut Hill av, Br.
Maguire, Thos. F., 14 Jess, J. P.
Maguire, Thos. F., 764 Huntington av, Rox.
MacDonald, Angus, 161 Devonshire
Marquis, George, 2735½ Washington, Rox.
Mattey, Anable, 14 N Grove
Mead, Charles H., 15 Beacon
Mead, Mason & Co., Tremont bldg
Mills, Joseph F., 116 Harvard, Dor.
Milton, David, 25 Allen
Mitchell & Sutherland, 166 Devonshire
Moore, Patrick H., 126 Fisher av, Rox.
Moorhouse, Robt. B., 58 Troy
Morrison, Newton, 10 Province
Mowatt, Clifford M., 22 Welles av, Dor.
Moxon, Edwin B., 46 Warner, Dor.
Munroe, Wm. B., 101 Tremont
Murphy, James H., 34 Howard av, Dor.
Murphy, John J. & Co., 114 Broad
Murphy, Michael R., 9 George, Br.
Newborg, John C., 23a Oakwood, Dor.
Newcombe, Wm. H., 5 Strathmore rd, Dor.
Nickerson, Daniel E., 72 Jay
Norcross Bros. Co. (Large), Tremont bldg
Norwood & Ramsdell, 3½ Arch
O'Connell, Timothy J., 158 Adams, Dor.
O'Hearn, Patrick, 1464 Dorch av
Page, G. & J. W., 218 Pleasant
Pierce, Frederick L. & Son, 827 Adams, Dor.
Powell, Francis G., Blue Hill c Columbia rd, Dor.
Powers, Edward, 28 Beach
Rankin, Joseph S., 5 Alden
Rayner, A. W., 41 Bakersfield, Dor.
Reed, Geo. T., 24 Webster av, Alls.
Remdle, Wm. S. & Son, 135 Prescott, E. B.
Rice, Henry J., 26 Edwin, Dor.
Riley, Daniel F., 68 Auckland, Dor.
Robbins, Nathaniel M., 516 Columbia rd, Dor.
Roberts, Chas. F., 10 E Springfield
Roberts, John H., 12 Hawley pl
Robertson, W. A. & Co., 4 Stanwood, Rox.
Rockwell, Mrs. Jeremiah S., 569 River, Mat.
Rodd, Wm. G., 382 W B'way, S. B.
Roebling Construction Co., 101 Tremont
Rood, Henry, 45 River
Ruggles, Harvey R., 45 Brooks, Br.
Sanford, Thos. A., 15 Braintree, Alls.
Schneider, John, 28 Cline, J. P.
Schneider, Peter, 14 Egleston, J. P.
Segal, Harry, 30 Lowell
Shea, John T., Jr., 696 E Sixth, S. B.
Shea, Thos. J., Stedman, J. P.
Sherman, Wm. U., 18 Lyndhurst, Dor.
Shorey, Albro F., 902 Huntington av, Rox.
Soule, L. P. & Son, 166 Devonshire
Smith, Edward M. & Son, 166 Devonshire
Smith, Wm. H., 2886 Washington, Rox.
Snow, Franklin A., 178 Devonshire
Spinney, A. O., 21 Harvard pl
Sprague, Isaac, 149 Dudley, Rox.
Staples, Wm. E., 311 Border, E. B.
Stedman, Walter, 12 Cherry
Steward, Chas. Almont, 71 Brent, Dor.
Stillman, Edward N., 14 Dunstable, Chsn.
Stone, Corydon O., 4 Tibbetts, Chsn.
Sullivan, Michael J., 80 Atlantic av
Sullivan, Michael J., 752 E B'way, S. B.
Swanson, Victor, 263 N Beacon, Br.
Swift, John O., 2258 Dorchester av, Dor
Thisland, John N., 91 Homer, E. B.
Thompson, Henry F., 163 Causeway
Thompson-Starrett Co. (General Building Construction), 141 Milk
Tobin, Thos. J., 3628 Washington, J. P.
Todesca, Joseph, 59 Bellevue av, Rox.
Tracy, Walter, 72 Bedford, Chsn.
Trower, John, 52 Charles
Turner, Geo. W., 48 Pleasant, Chsn.
Varnerin, John & Sons, 321 Norfolk av
Vincent, Henry E., 36 Ormond, Mat.
Walch, John P., 1 Regent ct, Rox.
Walsh, Bros., 848 Tremont bldg
Ward, Robert D. & Co., 1357 Columbus av,
Webster, Wm. H., 17 Kent, Rox.
Wells, T. B. & Co., 65 Joy
Wentworth, Walter A. & Co., 15 Exchange
West, Derrick S., 678a Centre, J. P.
Whidden & Co. (Inc.), 155 Milk
Whitcomb, E. Noyes Co., 49 Wareham
Whitcomb, F. L., 17 Wareham
Whiteacre, Robert W., 19 Bower
Willcutt, L. D. & Son, 166 Devonshire
Willis, Thos. R., 110 Newburg, Rox.
Wood, Nehemiah S., 41 Beverly
WOODBURY & LEIGHTON CO., 166 Devonshire
Wyatt, F. W., 221 Mass. av
Wylie, Charles, 9 Province
Young, W. N., 166 Devonshire
Zieman, Max, 89 W Cedar

BOURNE—Blackwell, E. A.
Ryder, Robert J.
Waterhouse, M. E.

BRIDGEWATER—Ball, John H.
Benson, Chas. A.
Neville & Glenn

BROCKTON—Beal, John F.
Cremmins, Wm.
Donnelly, Wm. H.
Fowler, Wm. H.
Hall, Dormenio
Hanson, Willard
Lays, Samuel T.
Lorrie, Frank
Nye, Joseph B.
Pearson, Nils
Peck & McKay

BROOKLINE—Carver, Albert P.
Driscoll, Dennis (Stone), 21 Kent
Driscoll, James & Son
Driscoll, Timothy
Emerson, Fred. M.
Flynn, Martin
James, Horace
Lone, James
Lyon, Levi T.
McThomas & Son
Mealey, Francis
O'Hearn, M. J.
Quimby, B. F.
Shearman, John

CAMBRIDGE—Barker, John
Barrett, James T.
Blaikie, Luther
Broanahan, John F.
Condon, Wm. F.
Coulson, Samuel
Elston, A. A. & Co.
Hawkings, Chas. S.
Hogan, Wm. S.
Linehan, Chas. (Mrs. Mary A.)
McGahey & O'Connor
Currie, A. Y., 376 Harvard
McGirr, Jno., C., 1522 Cambridge
Newcomb, Chas. S.
Norcross Bros., foot Brookline
Northrup, Arthur E.
O'Connel, Wm.
Perrault, Peter
Riley, John M.
Thomas, James E.

CANTON—Curtis, Harlan W.

CHELMSFORD—Dix, R. W.
Miner & O'Neil
Moore & Coggeswell

CHELSEA—Brownell, Thos. E.
Chambers, Richard J.
Coughlin, Daniel
Gordon, Morris
Higginbotham, James
Kaplan & Fisher
Potter, James E.
Webster, Dixon & Co.

CHICOPEE—Canty, D. G.

CLINTON—McMahon, John T.

CONCORD—Lowden, Andrew S.

CONCORD JUNCTION—Beharrell, Isaac B.

DANVERS—Dunnells, Lorenzo

EAST BRAINTREE—Dobson, Geo. R.
Hayward Bros.
Miller Construction Co. (Not Inc.)

EAST DOUGLAS—Stockwell, F. E. (Mrs. B. A.)

EAST FALMOUTH—Jenkins, Wilson R.

EASTHAM—Rogers, Chas. A.

EASTHAMPTON—Pepin, Delos T.

EAST LONG MEADOW—Champlin, W. S.

EAST MILTON—Barry, Michael J.

EAST NORTHFIELD—Holton, S. C.

EVERETT—Brown, Geo. D.
Henderson, James
Karston, Gustave
Oakes, Geo. W.

FALL RIVER—Arbing, Frederick J.
Barrett, Edward
Beattie & Wilcox (Large), 840 Bedford
Benoit, Achille
Brigg, John
Bryant, Herbert C.
Bullock, Chas. V.
Dumaine, Wilfred
Ford, Nathaniel
Gifford, Edmund L.
Gifford, Otis E.
Grant & Sampson
Grinnell, D. D. & Son
Le'Clair, Chas.
McDougall & Grinnell
McQuillan, Alfred W.
Manchester, Geo. R.
Manley, Wm. M.
Murdock, John
Roy, Elzear
Sherman & Berube
Slade, Eldorus C.
Steward, Dacey & Co.
Terry, Joseph C.

FITCHBURG—Kennedy, M. J.
Lawrence, S. S. & H. N. (Large)
Litchfield, Orin E.
Wellington, Augustus

FRANKLIN—Dudley, Frank E.
McCarthy, J. J. & Co.
Murphy, John, Jr.
Stevens, Roswell K.

GARDNER—O'Dell, D.
Quigby, A. C.

GLOUCESTER—Garland, Simon
Griffin, E. S.
Jackman, Eli
Norwood, Chas. A.

GREAT BARRINGTON—Barrington Building Co. (Not Inc.)

GREENFIELD—Burnham, F. W.
Frizzell & Keefe
Holden, Dwight D.
Lyons, F. L.
Pray, R. E.
Viola, Jno.

GREENWICH VILLAGE—Griffin, W. H.

GROTON—Clark, L. H.
Wood, Arthur A.

HAMILTON—Adams, G. M.
Appleton, C. W.
Horne, Thomas
Lawrence, E.
Peterson, C. A.
Trussell, Frank P.

HARDWICK—Barnes, Hiram E.

HAVERHILL—Cashman, Jno.
Kelly Bros., 6 Park
Ross, C. O. & Sons
Sargent, Chas. B., Jr.
Shannon, Edgar F.

HINGHAM—Bartlett, Edward W.
Horton, Geo. W.

HINGHAM CENTER—Ripley, Francis M.

HOLLISTON—Austin, Wm. H.

HOLYOKE—Ducharme, Israel
Fowles, J. H.
Goddard, V. V.
Jones, L. F.
Labiberte, Arthur
Labiberte Bros.
La France, Louis A. (Large), 400 High
McCormick, A. D., 43 Gates
O'Connell's, Daniel Sons (Large), 188 Hampton
O'Neil, F. F.
Prew, John J., 887 Main
Ranger, Casper (Large), 10 Bond
Thorpe, Geo. L.
Toomey & Shea
Trowbridge, L. P.

HUDSON—Green, Wm. T.

HULL—Hatchard, Geo. H.
Knight, Edward G.

HYDE PARK—Black, James I.
Coveney Building Co.
Dolan & Marks

IPSWICH—Picard, Henry A.

LANCASTER—Thayer, Otis C.

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LAWRENCE—Cram, R. F.
Cullinane, John J.
Daly, Maurice
Dugrenier & Lachapello
Edmonds, Peter
Gilbert, Albert
Gillen, Michael C.
Guerin, Patrick
Hollund, Phillip
Keefe, Edson N.
Nebb, Robert H.
Searle, J. S.
Smith, Walter
Woodruff, H. R.
LEE—Camarco, M. L.
Harding, Z. & Son
Martin, Nelson
LEEDS—Warner, H. W.
LEICESTER—Warren, Silas G.
LENOX—Biglin, James
Carey, C. E.
Clifford & Sons
Deloyey, C. G.
Fielding & Mahecket
Kilmer, Chas.
Peters, L. C.
LEOMINSTER—Dargis, Alfred L.
Green, Chas.
Guenette & Benoit
Holmes & Hall
Lyon, Albert E.
McKenzie, A. L.
Powers, Elmer
Smith, E. M.
Stacey, H. H.
LEXINGTON—Glass, E. W.
Washburn, A. C.
LONG MEADOW—Provost, John W.
LOWELL—Adams, F. H.
Baker Construction Co.
Berard, Gilbert
Conners, Bros. Co.
Edgecomb, Pater D.
Fuller, George B.
Gray, Willie
Guthrie, C. E. & Son
Hamel, Chas.
Hands, Stephen W.
Jalbert, Joseph B.
Jean, Amedee
Littlefield, Lester W.
Marlie, J. A.
Murphy, Michael T.
O'Hearn, Patrick
Swager, Avila
Simpson, John
Smith, James L.
Snow, Samuel E.
Staples Bros. Co.
Thomas, Jos. T.
Thompson, Wm. B.
Varnum, C. F. & J. B.
Ward, W. H. (Estate of)
Wiggin, W. H.
Wilson, Francis T.
LYNN—Alexander, Albert H.
Bettom, H. E.
Bryor, Arthur E.
Butterick, Geo. G. S.
Cohen, Jacob
Connor & Keene
Croscup, James A.
Cunningham, C. S.
Cunningham, Daniel
Daley, Thomas F.
Davidson, Benj. H.
Dearborn, Edward D.
Dinan, John, Jr.
Donaghy, Elija
Eigner, Joseph
Eklund, Arvid W.
Fulton, James H.
Goodwin, Cyrenus
Grant, John E.
Green, Daniel J.
Healy, Joseph A.
Kelly, C. F.
Kelly, Frank G.
Little, Lawrence D.
McDonald & McNeil
Mayo, Fred D.
Pervier, W. G.
Pevear, Everett S.
Potter & Healy
Reynolds, Edward T. (Large), 61 Exchange
Sheehan, John & Sons
Strout, H. E., 319 Union
Tinkham, E. B.
Van Blaecom, J. W.
Wilson, Edward
MALDEN—Buckford, George T.
Caplan, Abraham
Chadwick, W. P.
Chase, David W.
Clark, Charles F.
Coburn, H. S.
Dever, John M.
Donahue, Peter & Co.
Gillespie, David
Greene, John B.
Hammond, George C.
Hawkins, C. W.
Hodgkins, M. A.
Howard, Richard J.
Howard, T. R.
Hunnewell, F. E.
Jacobson, Alfred
Kenney, Ann
Lenehan, Edward F.
Lenehan, Patrick H.
Loome, Chas.
Newhall, Stephen O.
O'Brien, Timothy
Presley, Wm. C.
Russell, Chas. B.
Sears, Willard
Sullivan, Patrick F.
Sweezie, Artemas B.
Welch, Francis J.
Wilson, George W.
Walk, Barnet
MANCHESTER—Roberts & Hoare
MANSFIELD—Angell, Wm. H.
Gifford, B. T.
MARBLEHEAD—Martin, Benj. F.
MARION—Briggs, Geo. S.
Ellis, Chas. M.
Richards, George F.
Washburn, Chas. R.
MARLBORO—Cousins, Daniel M.
Newcomb, Richard L.
Powers, E. L.
MARSHFIELD—Davis, J. A.
Ewell, F. T.
Lewis, Howard C.
White, Luther
MARSHFIELD HILLS—Damon, R. D. W.
MATTAPOISETT—Hammond, J. S. & Son
MAYNARD—Shattuck, Sidney P.
MEDFORD—Clark, Richard W.
Crockwell, John J.
Potter, James E.
Ritchie, E. C.
Soderlund, Nils J.
Sweeney, J. E.
MELROSE—Harris, Albert E.
Hunnewell, H. E.
Love, T. S.
McDonald, John
Morse, William
Philpot, Robert
Prior, Daniel J.
Steward, J. A.
Toomey, John
MELROSE HIGHLANDS—Mower, George C.
MERRICK—McCarthy, J. F.
Provost, Samuel
METHUEN—Eceles, W. & F.
Smith, George A.
Stowers, Fred. W.
MIDDLEBORO—Phinney, Frank
Pierce, F. E.
Porter, H. G.
Shaw, C. Henry
Starbuck, George W.
Thomas, C. H.
Thomas & Connor
MILFORD—Weed Bros.
MILTON—Babcock, Alton & Co.
Chute, Carey
Lawerance, John R.
MITTINEAQUE—Roberts, Arthur
MONSON—Moulton, H. D.
Steward, J. S.
MONTAGUE—Whitney, Edward E.
NAHANT—Perkins Bros.
NANTASKET—Smith, John
NANTUCKET—Holmes & Pease
Ring, J. C.
NATICK—Ferguson & Hall
Harris, Chas. O.
Linehan, Luke & Co.
McKell, John D.
NEEDHAM—Devine, Elbridge
Flewelling, H. A.
Frye, G. W.
Snyder, Wm. N.
Sutton, E. D.
NEEDHAM HEIGHTS—Low, Franklin
NEW BEDFORD—Bosworth, George A.
Bosworth, W. E.
Bulman, Henry T.
Caron, Silvio
Gay, George W.
Gay, T. Franklin
Judson Bros.
Kingsley, N. H.
Mongeon, Louis
Moore, James J.
Mosher, C. A.
Sullivan, Martin H.
Syylvia, M. P. B. & Son
Sylvia, Stephen W.
Thompson, Chas. G.
Tripp, George S.
Tripp, Henry W., 161 Clinton
Vincent, Ulric
Watling, Wm.
NEWBURYPORT—Currier, Arthur C.
NEWTON—Beal, Jarvis T.
Gowing, Frederick H.
Henderson, N. G.
Joyce, John (Estate of)
O'Brien, Patrick H.
Porter, W. E.
Weldon, Wm. B.
NEWTON CENTER—Hurley Bros.
Kneeland, Frank E.
Kneeland, John B.
NEWTON HIGHLANDS—Mitchell, Wm. H.
Sanderson, Richard
NEWTON LOWER FALLS—Donahue, Thos. F.
NEWTON UPPER FALLS—Moses, A. C.
NEWTONVILLE—West, George G.
NOBSCOT—Cutler, Virgil M.
NORTH ABINGTON—Curtis, Frederick
Ewell, Edwin H.
Turner, S. N.
NORTH ADAMS—Whitney Bros. (Large)
NORTHAMPTON—Harlow, Osro F.
Livermore, O. E.
Lynch, Daniel
NORTH ANDOVER—Adams, Edward
NORTH CHELMSFORD—McMahon, P. T.
Miner & O'Neil
NORTH EASTON—Baldwin, Joseph W.
Dewitt, George H. & Son
NORWOOD—Douglass, Chas. H.
Goodwin, A. L.
Spear & Smith
Walker, H. F.
OAK BLUFFS—Burgess, Geo. A.
Buzzell, Alfred A.
Eddy, Herbert A.
Kidder, Samuel N.
Leighton, Eli A.
Matthews, E. H.
Smith, Arthur C.
Smith, Benj. D.
Thatcher, Horace A.
Warren, Andrew
ONSET—Roundseville, L. L. Co.
Savery, Wm. C.
ORANGE—Cobb, George L.
Howe, G. D.
Kelton, James E.
McKenna, James A.
Tyler, C. N.
ORLEANS—Myrick, Richard S.
Roger, Joseph L.
Smith, Thomas F.
OSTERVILLE—Daniels, Charles
Hinckley, Ira L.
PALMER—Flynt Building & Construction Co.
PEABODY—Martin, Patrick J.
Nichols, Lewis L.
PETERSHAM—Johnson, A. P.
Waugh, George C.
PIGEONS COVE—Saundler, Chas.
PITTSFIELD—Eldridge, W. H.
Horton, Emory S. & Son
Leidhold, George C.
Lester, George E.
Polcaro, J. W.
Walsh, D. J.
Wood, Edward
PRINCETON—Merick, G. C. F.
Padchan, E. A.
QUINCY—Andrews, Frank C.
Cashman, Jno.
Crowley, Dennis F.
Ferrari, Bros.
Hayes, Daniel & Sons
Johnson, John S.
Nelson, Albert
Parlee, Edward F.
Raymond, Clifford R.
Smalley, Henry C. Granite Co. (Inc.)
Thompson, John & Sons
RANDOLPH—Campagna, Eugene W.
Taylor, Geo. F.
READING—Johnson, Henry R.
Steward & Robertson
REVERE—Eglesion, Earnest J.
Hurvick, Frank
Ray, Milton
Shay, Alex. H.
Simons, Wm.
Sullivan, Timothy
Tibbetts, Elmer S.
Young, Horatio L.
ROCKPORT—Smith, Rutherford

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ROWLEY—Goodwin, F. W.
Bundlett & Millett
SALEM—Chalifour, Eli.
Dawson, Chas. H.
Lord & Neal
Mack, J. J. & T. F.
Merrill, Samuel S.
Norwood, Chas. F.
Peterson, Jos. N. & V. S., 62 North
Pittman & Brown Co. (Large), 255 Derby
Welch, Jas. J. & Co.
SALISBURY—French, Luther W.
SANDWICH—Grant, Ellis C.
SAUGUS—Greenlay, W. Geo.
SAXONVILLE—Hall, James E.
SHARON—Curtis, Chas S.
SHELBURNE—Newhall, A. A.
SHELBURNE FALLS—Merrill, G. G.
SHIRLEY—Marsh & Son
SHREWSBURY—Gates, George N.
Stone, Henry J.
SOMERVILLE—Allen, Horatio W.
Andrews, J. M. & Son, 172 B'way
Berry, Arthur W.
Bowlby, Henry R.
Bowlby, Lester F.
Brown, Roscoe M.
Burnham, Ira F.
Buttimer, Jeremiah
Buttimer, Maurice
Ellis, Robert H.
Essenza, Chas.
Gallagher, Joseph P.
Gordon, Thom.
Hartwell, Hayard
Hayden, James
Henderson, Wm. A.
Hines, A. H.
Hutchins, Elmer N.
Lang, Albert W.
Lewis, Stephen H.
Lingley, Thomas W.
McCarthy, Wm. J. & Co.
McGray, H. R., 95 College av
Mable, Annie M. (Horatio N.)
Meserve, Chas. A.
Olson, Otto
Robertson, Edward J.
Skelton, Daniel J.
Smith, Alfred A.
Snow, John C. H.
Spofford, Harold E.
Tibbets, Harris P.
Warren, Frederick C.
SOUTH ACTON—Jones, Samuel, Jr.
SOUTHBRIDGE—Bail, Hormidas
La Liberte, Frank X.
SOUTH DEERFIELD—Gass, Wm.
SOUTH DUXBURY—Soule & Glover
SOUTH FRAMINGHAM—Freese, Edwin A.
Rowe & Perini Construction Co.
Thompson, W. J. & Son
SOUTH HINGHAM—Cushing, Elijah H.
SOUTH NATICK—Caswell, Frank P.
SOUTH WAREHAM—Vose, Oren C.
Vose, Robert L.
SOUTH WEYMOUTH—Miller, Joseph E. L.
SOUTH YARMOUTH—Eldridge, Nelson
Eldridge, Wm. H.
SPENCER—Cantara, Oliver
SPRINGFIELD—Angers, J. A. & Bro., 327 Main
Burnham, George M., 53 Bridge
Burt, J. S.
Collins, J. M.
Converse, F. F.
Donohue, John
Gagnier & Angiers, 327 Main
Kibbe, O. W.
King, Herman L.
Ley Construction Co.
Ley, Fred. T. & Co., 307 Main
Muir, James (Out Stone), Bay st av
Newton, W. A. & Co., 337 Worthington
O'Donald, John C.
Sachett Bros.
Scott, John L., 282 White
Scott, L. H. & Co.
Shattuck, E. W. (Large), 98 Taylor
Shea, Daniel C. (Large), 78 Alden
Shea, Jerry & Son (Large), 16 Columbia ter
Springfield Portable Construction Co., 54
Steward, H. A. Waltham av
Warner, Fred. G., 69 Crystal av
Wells & White, 33 East Court
Wood, L. S., Willow & Stockbridge
STOCKBRIDGE—Lawless, T. J.
STONEHAM—Gove, Linwood L.
Swan, John B.
Webber, Parker G.
STOUGHTON—Curtis, Geo. P.
Jones, Frank M.
White, Fred. H.
Witt, H. C.
SWAMPSCOTT—Belben, Nathaniel
Butcher, J. Watson
Delano, Gilbert
Ellis, Albert R.
Hardy, Harry E.
Hudson, Levi
Lyons, James T.
McDonough, Michael D.
Rowell, Fred. E.
Tuttle, H. Scott
SWANSEA—Young, Elmer D.
TAUNTON—Alger, Macombe & Co.
Barstow, Chester
Bassett, E. J. & Son
Bassett, Eugene P., Merchants' la
Bassett, Irving L.
Bassett, Lester E.
Bassett, Lewis C.
Briggs, Abrah T. (Stone), 86 Winthrop
Browne, Jno. C.
Chase, Wm. H., 15 Trescott
Crane, John A., 16 2d
Crapo, Henry B., Tremont c Fremont
Ellis, N. E.
Fletcher, W. W.
Freeman, Wayne M.
Hardy, Jno. H., 3 Maple av
Harmon & Hopkins, (Brick & Stone), 28 Main
Howes, H. G., Fairview av
Judge, James D., 18 Grove
Leary, Cornelius W.
Lockwood, Joseph
Mann, Wm. H.
Manter, Chas. L., 14 Trescott
O'Connell, D. J., 172 Middleboro av
Pierce, Samuel P.
Sherman, Z.
Sullivan, D. J., 83 B'way
Walker, Jno. C.
Wilbur, Jas. K.
Williams, Frank D., 229 High
Witherill, L. M., 29 Court
TEATICKET—Stevens, Frank L.
TURNERS FALLS—Royer, Jno. B.
Thomas Bros.
UXBRIDGE—Henry, Albert F.
Lackey, Eugene
Malley, Thos.
VINEYARD HAVEN—Hinckley, Herbert N.
Manter, Wm. G.
WABAN—Kellaway, Arthur N.
Kneeland, John B.
WAKEFIELD—Bryer, Jno. H.
Butler, Aaron A.
Feindel, H. A. & Co.
Kilorin Cont. Co.
Prescott, Wm. A., 372 Main
Wanamaker & Webber
WALPOLE—Allen, M. W. & Son
Boyden, Porter S.
McCarthy, Michael F.
WALTHAM—Archambeault, Jos. J.
Brouillette, Jos. P.
Bull, Edw. H.
Cormey, Jno. E.
Dawson, George, Music Hall av
Geoffrion, Louis
Glancy, R. E., 53 Cushing
Gregg, Herbert M., 67 Lawrence
Howe, W. C., 40 Chestnut
Lyons, Wm. E.
McCusker, F. W.
McCusker, Jno. H.
Maloy, Patrick & Son
Moran, Jno. E.
O'Malley, P. J., Massasoit
Prebel, Chas. A.
Rose, Norman J., 188 Hammond
Smith, Edw. B.
WARE—Cummings, Herbert P. & Co. (Large)
Whelan, Patrick, J.
WAREHAM—Barnes, Elmer & Son
WARREN—Nevins, Thos.
WARTERTOWN—Bowlby, L. S.
Flannery, Owen
Iliffe, Wm., Malendy av
Moody, Geo. H.
Murdough, Albert B., Russell av
Whiting, Moses, Royal
Wilson, Wm. H.
WAVERLEY—Melanson Bros.
WAYLAND—Small, E. W.
WEBSTER—Cazeault, J. T. & Bro.
Goddard, Joel & Co.
Hall, George F.
Murdock, Jno.
Plasse, Paul
Towne, W. E.
WELLESLEY—Hapgood, Frost & Co.
WELLESLEY HILLS—Donohue, Thos. J.
McCabe, John W.
Taylor, Chas. N.
WENHAM—Elliott, Chas. F.
Porter, Herbert W.
WEST ACTON—Harris, Frank E.
Hoar, John S.
WEST BARNSTABLE—Jenkins, Z. H. & G. S.
WEST BROOKFIELD—Conway, John A.
WEST DIGHTON—Horton, Chas. A.
WEST FALMOUTH—Bourne, Timothy C.
Bowman, Frederick N.
Lambert, Orlando M.
WESTFIELD—Butler, John E.
Ferry, Frederick N.
Green, T. J.
Humphreville, E. M.
Little, Thos.
Mahoney, P. J.
Snow, Frank A.
Toole, John J.
Wood, H. C. (Large)
WESTFORD—Cummings, Chas. M.
Harrington, P. Henry
Sutherland, Alonzo H.
Wright, Hammet D.
WEST HARWICK—Lathrop, John A.
WEST MEDFORD—Clark, J. M. & Co.
Cunningham, Nason B.
Elmes & Constantine
Ham, Frank W.
Lovering, Lewis H.
WEST NEWTON—Beal, Herbert M.
Cotter, Jeremiah & Sons
Gallagher, James R.
Gannon Bros., 125 River
Hargedon, Jno., Derby nr City line
Jepson, Geo.
Keller, Jno. H. & Wm.
McDonald, M. J.
McKay, Donald
Tange, Hans L.
WESTON—Brown, John J.
Cooper, Howard L.
McDonald, J. O.
WEST SPRINGFIELD—McCarthy, Jas. F., Provost, S., 342 Main, Merrick 859 Main
WEST TOWNSEND—Sherwin, W. Z.
WHITINSVILLE—Burgess, J. E.
Van Steenberg, J. B.
WHITMAN—Black, Paul
Faunce, A. L. & Son
Whitmarsh, A. C.
WILLIMANSETT—Carreau, Louis & Son
Rivers & Young
WINCHENDON—Hildreth, W. P.
WINCHESTER—Blaikee, Dexter B., 72 Everett av
Carroll, Hy. J.
Enman, J. L. M., Kendall nr Mt. Vernon
Hatch, Wm. S.
McEwen, Jas. H.
Ogden, Geo. C.
WINTHROP—Belcher, M. Henry
Churchill, Gilbert F.
Craib, Chas. G.
Floyd, Thomas
Griffin, Sidney H.
Johnstone, J. B.
Mahaney, T. J.
Munroe, Wm. B.
Newcomb, Freeman E.
Noceti, Louis
Stafford, W. F. & Co.
Steves, Zebulon M.
Woolcott, Frederick W. F.
WOBURN—Anderson, Severine
Ellis & Bushwill Co.
Fowle, George E., 32 Prospect
Greydon, Fraw W., 7 Lowell
Herrick, J. E., Jr.
Ring, Timothy J., 18 Stoddard
Smith, Alexander Y.
WOODS HALE—Grinnell, Chas. J.
Norton, Braman G.
Swift, Ezekiel E. & Son
WORCESTER—Bannister, Herbert F.
Belisle, Eli
Bishop, J. W. Co. (Large), 107 Foster
Bonneau, Louis O.
Booth, A. N., 18 Schussler rd
Buckley, J. M. & C. J., 67 Harrison
Central Building Co., 58 Front
Coderre, Homer
Coderre, Louis, Jr.
Colburn, C. A., 660 Pleasant
Colby, Rufus W.
Cutting, Geo. H. & Co. (Large), 11 Foster
Dorais & Dupuis, 3 New Sutton la
Foley, Thomas D. & Co., 26 Perry av
Fortier, Adelard I.
Fortier, Napoleon P.
Fowler, John W.
Gardiner, Oscar
Gough, H. D. & Co.
Hadley, H. D.
Higgins, Jeremiah J., 518 Main
Howard, S. I., 3 Harvard
Hubbard, John S.
Isenberg, Bernard

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Jaques, Benj. C.
Johnson, Frithrof C.
Joyce, Frederick M.
Kane, Michael J.
Kelley, Chas. A.
Le Clair & Tellier
Loftus, John
Lynch Bros., 268 Shrewsbury
McDermott, James A.
Mark, F. W., Day bldg
Melican, Thos. F., 3 Chapin
Mellen, Henry & Son, 41 Queen
Miles, James & Son, 54 Beeching
Murphy, Patrick D.
Nelson, Nicholas
Norcross Bros. Co. (Large), 10 E Worcester
Ohlson, Olaf F.
Oslund & Anderson
Peters, Chas. L., 38 Newbury
Petterson, L. M., 21 Edward
Pickford, Jno. H. & Son, 439 Park av
Pike, Horace S.
Power, Jno. J., 1 Granite
Quarn, John F.
Rankin & Woodside, 38 Burncoat
Robbins, A. P., 452 Main
Roberts, Joseph J., 133 Grafton
Scoville & Wheeler, 518 Main
Simonds, Wm. F.
Smith, Robert
Stone, Bertrand W.
Taylor, John E.
Tetreault, Octave
Tucker, Norman E.
Vaughan, C. A., 28 William
Waite & Wetherby, 20 Abbott
Ward, Edward D., 82 Foster
White, P. Foster
Whitehead, Ernest, 21 Foster
Whitney, Edward J.
Yates, Francis J.
WRENTHAM—Willard, Artemus
YARMOUTH PORT—Taylor, Elbridge

MICHIGAN.

ADRIAN—Gray, B. H.
ALPENA—Fox, Owen
Gebhardt, Morrow & Co. (Also Planing Mill)
Kock Bros. (General)
Sauer, C. A. & Co.
BATTLE CREEK—Cole, Serin B.
Doland, Jno. L., 21 Coguac, W
Gillis, Chas. H.
Hall Bros. & Co.
Hill, James F.
Miller, Silas A.
Seeley, R. E., 141 Post av
BAY CITY—Campbell, Hugh
Crampton, Wm.
Fish, W. T.
Lamont, Mathew (Large)
Miller, Aleson E.
North American Construction Co.
Steinbaur, Fred. J.
Thompson, John W., 1st c Sherman
BENTON HARBOR—Richards, W. H.
Sullivan & Howard
BIG RAPIDS—Jones & Green
CADILLAC—Dutton, C. W.
CALUMET—Milford, W. F.
Roehm, P. B.
DETROIT—Albrecht, Albert A. (Large), 1212 Barron, Felix & Son Penobscot bldg
Bartholomar, Max W.
Beebe, Henry A.
Blay, Wm. M.
Burger, Levi G.
Carmichael, Andrew T.
Cutler, John
Dierick, Lawrence
George & Co. (Inc.)
Goddard, Frank H.
Goddeeris, Chas.
Golden, Geo. W. (Large), 15 Gilman
Griffin, Michael J.
Haberkorn, J. H. A., 384 14th av
Harcus & Lange, 770 Russell
Helson, Richard, 21 Gilman
Langley, Wm. P.
Meier, Herbert A.
Miller, Chas. L.
Piggins, W. S. & Sons
Scholl, L. & Sons
Sedoff, Chas. V.
Smith, John E.
Teakle, Robert T., 660 Grand River
Traves, W. H. (Large), Peninsular B'k bldg
Vinton Co. (Large), 126 Woodbridge, E
DOWAGIAC—Judd, Mark & Son
ESCANABA—Williams, Nicholas
FLINT—Matthewson, Fred. C.
GRAND RAPIDS—Austin & Pelton, Gardner av nr Burton av
Gents Bros., 37 Springfield av
Hoerts, Chas. & Son, 18 Porter blk
Oltman, L. P., 592 S East
Tibbets, S. B., 335 Central av
GREENVILLE—Chandler, George
HANCOCK—Gauthier Bros.
HOUGHTON—Northern Construction Co.
Superior Construction Co.
IRON MOUNTAIN—Parmelee & Son
IRON WOOD—Olsen & Bergquist
ISHPEMING—Wahlman, John & Son
JACKSON—Bradt & Lusk
Conway, Henry D. (Stone), 214 N West av
Moloney, Thomas, Cortland & Michigan av
North & Bradshaw, 1424 1st
KALAMAZOO—Bishop, E. E.
Black & Smith
Chittenden & Skinner
Fitzpatrick, Martin E.
Flaitz, Frank, 613 Summer
Foy, Thos. W.
Rickman's, Geo. Sons Co., 226 Pratt bldg
Shannon, W. H.
White, Albert J.
Stevens, G. W.
LANSING—Sullivan, Jno. B., 786 Shiawassee, E
LAURIUM—Anderson, Chas. A.
Vairo, Vincent
LUDINGTON—Wedmark, H. P. & Son
MANISTEE—Newcombe, R. J. B.
MARINE CITY—Rivard, Fred. L.
Zimmerman, C. F.
MARSHALL—Hart, W. C. & Son
MONOMINEE—Spaulding, E. P.
MOUNT CLEMENS—Hubarth, Schott & Co.
MUSKEGON—McIntosh, Alex
NEW BALTIMORE—Sommer, August
NILES—Asmus, Adam
Baker, M. D. (Brick Mason)
Beswick, H. C.
Dunn, F. W.
Smith, W. Hillis (Brick Mason)
Van Dusen, F. H.
Zwergel, Philip
PERRY—Green, M. H.
PETOSKEY—Kopke Bros.
McDonald, Dudley
Seibert, P. L.
PONTIAC—Heitsch Bros.
Slater Construction Co.
Stearns Bros.
PORT HURON—Germain, G. S. & Sons
Jenks-Wade Co.
Jones, Wm. E.
McMonagle, Timothy
O'Sullivan, James (Large)
Port Huron Construction Co.
Wilson, W. T.
PORT SANILAC—Schlichting, Henry
REPUBLIC—La Forais, Louis
SAGINAW—Blank, Leonard J.
Fruechtel Construction Co., 412 N Oakley
Gelinas, A. & Son, 114 S Washington av
Hunter & Stewart Construction Co. (Not Inc.)
Kerns, Jas. & Son, 207 S 3d av
Kerns, W. G., 212 Annesley av
Mueller, W. C. (Brick), 116 N 6th
Parth, John
Ryckman, Albert H.
Spence, Hugh
Spindler, Bros.
ST. JOHNS—Pouch, Ananais
Pulfrey, Columbus F.
ST. JOSEPH—Stock, M. W.
WILLIAMSTON—Higbee, Hiram E.
WYANDOTTE—Belleville, Wm.
YPSILANTI—Norton, Frank A.
Wardner, Wm. F.

MINNESOTA.

ADA—Gilge, E. A.
AITKEN—Holden, N. J.
ALBERT LEA—Tapager & Hanson
ALDRICH—Odden, S.
ALEXANDRIA—Alton, Thos. R.
ANOKA—Case Bros
Wasielewski, A. L.
AUSTIN—Martinsen, T.
Waterman, H.
BARNESVILLE—Tulley, D.
BEMIDJI—Atwood & Reeves
Johnson, Thos.
Kreatz, Geo. E.
BIRD ISLAND—Dresow, Frank
BLOOMING PRAIRIE—Thomas, A. C.
BRAINERD—Everett, Alonzo
Pearce, J. K.
Rowley, C. B.
Vaughn, J. F.
White Bros.
BRECKENRIDGE—Bedlinger, Jacob
CANBY—Bye, O. O.
CARLTON—Cain, W. M.
CARVER—Hanson, Olaf
CHASKA—Geiser, Frank
CLOQUET—Conners, Levi.
Long, John
O'Burke & Norberg
COHASSET—O'Brien, M.
COLERAINE—Boberg & Nelson Co. (Not Inc.)
CROOKSTON—Florin, John
Johnson, Louis
Ross, Chas.
Walker, W. E.
DAWSON—Carson, J. W.
DELANO—Erickson, Swan.
DETROIT CITY—Detroit Building & Mfg. Co.
DULUTH—Anderson & Gow, 123 3d av, W
Bartlett, Harmony, 101 1st av, E
Barr, David C.
Bergquist Bros., 2032 London rd
Blais, Nepoleon
Blowers, E. F., 21 Lake av, W
Brown, H. C., 5627 Grand av, W
Brown & Brown
Camelon Bros.
Campbell, L. H. & Co.
Engle, Emil
Evans, C. E., 419 Lonsdale bldg
Fawcett, Hugh, Lyceum bldg
Fawcett, Wm.
Fitzgerald, James J.
Frederickson, C. J.
Grandy, Jno., Burrows bldg
Hilliard, J. W., 9 Winthrop bldg
Holden, W. H. & Son
Hood, David
Johnson, Chas. O.
Johnson, John A., 717 E 2d
Johnson, Otto
King, Geo. R.
King, W. F.
Kern, Wm. E.
Linden & Danielson
Lounsberry, G. H., 332 W Superior
Molitor, J. D. & Bro., 632 W Superior
Mueller, N., 813 E 5th
Nauffts, Theophilus
Nolan, John, 2513 W 2d
Olson, O. W., 424 9th av, E
Osman, A. G.
Pearson, Harry, 305 Torrey bldg
Ramstad, Louis
Robert, A.
Robert, J. A., Burroughs bldg
Robertson, A.
Roy, Joseph
Smith & Vokes, Exchange bldg
Steele, Hugh
Thomas & McCoy
Waterworth & Fee, Torrey bldg
Zauft, Emil J., 5519 Grand av, W
ELY—Dinsmore, John A.
ELYSIAN—Thompson, W. H.
EVELETH—Anderson, Gust
FAIRMONT—Petrie, G. W.
Popple, C.
FARIBAULT—Keuhl, A. F.
O'Neil, Jno.
O'Neill, William & Son
Peltier, C. H.
HASTINGS—Stewart, W. W.
LINDSTROM—Otis, Carl
LITTLE FALLS—Enke, G. H.
Harrison & Peterson (Large)
Kopacz, Frank
Molde, Andrew
MANKATO—Anderson, S. A.
Bishman Bros.
Carlson, Jno.
Hagwall, O. M.
Mahlke, E. O.
Neitge, Otto
Nelsen, J. B. & Co. (Large)
MINNEAPOLIS—Adams, M. A. & Co.
Anderson, G. A. & Co.
Archer, Geo.
Archer, H. & Co., 314 10th, S
Aronson, B.
Bauman, H. J., 212 4th, S
Benson, J. A., 2534, Dupont av, S
Bruce, Nels, 2024 14th av, S
Buhl, L. & Co.
Campbell & Co.
Carlson, John E.
Caron, A.
Cederstrand A. & Co., 984 Central av
Chadwick, L. L., 2034 Nicolett av
Cheney, R. J. & Co., 113 4th, N
Clark, W. O.
Congdon Construction Co.
Cooke, Geo. & Sons
Cooper, Barcley, 1114 Yale pl
Crawford, W. M. & Son, 14 Kasota bldg
Davis Construction Co., 304 Kasota bldg
Elliott, J. & W. A., Lumber Exchange
Engquist, John, 3645 Blaisdell av
Enockson, Carl
Fall, Fred. H.

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Fetterly, J. A.
Finnegan, P. J.
General Contracting Co.
Giguere, Peter O.
Haglin, C. F., Lumber Exchange
Halladan, Pan O.
Healy, T. P., 3115 2d av, S
Jeub, Herman
Johnson & McCoy
Klarquist, S. M.
Lambert, Jules
Law, Paul A.
Leck, H. A. & Co.
Leck, Jas., 215 7th, S
Leighton, H. N. Co. (Large), 213 16th, S
Lepper, Casper
Libbey & Libby Co., 244 2d av, S
Libby & Nelson Co.
Lindquist, Gust
Lundquist, Andrew G.
McClurg, L. S.
McLeod, Angus Co., 409 6th av, S
McMillan, F. G., 2 E 5th, S
Madsen, Mads.
Muther, H. L.
Myhr, John
O'Donnell, James S.
Opdahl, C. O., 54 3d, S
Parsons, H., 516 Guaranty Loan
Pelton, R. B., 418 6th av, S
Peterson, O. A. & Son, 1540 E 25th
Pike & Cook, 416 5th av, S
Pilgram, James E.
Prince Construction Co.
Pryts, Peter J.
Rhode, Erick, 1520 Adams
Raidt, Frank H.
Rhode, Erick, 1520 Adams
Schaper, August H.
Schumacher, Maurice
Sholl, Eniar
Spriestersbach, Geo. W.
Stenvig, John O.
Swan, Andrew A.
Theisen, M.
Trainor Bros., 424 Boston blk
Tyler & Co., 717 6th av, S
Windersee & Moxley
Winston-Dear & Co.
Wunder, Jno. (Large), Lumber Exchange

MINNEOTA—Jonason, S. W.
MONTEVIDEO—Everson, Everett
Rodeberg, Thos T.
MOORHEAD—Bjorkquist, Carl
Fridlund Bros.
Merritt, W. H.
NEW ULM—Gronan, John G.
Kopp, Hermann
Puhlman, August
Schapekalm, Herman
Welland & Stegeman
NORTHFIELD—Johnson & Childs
Miller, Theodore
OSTONVILLE—Anderson, G. A.
OWATONNA—Hammel Bros.
PIPESTONE—Redmon, G. S.
RED WING—Johnson & Nelson
Longeer, W. J.
ROCHESTER—Pollock & Riedell
RUSH CITY—Poechman, Mathias
ST. CLOUD—Heimann, John
Kropp, Carl
Schellinger, Joseph
Steckling, Hy. P.
ST. JAMES—Anderson & Krone
Schweppe Bros.
ST. PAUL—Anderberg, P. A. & Co., 399 Selby
Baumeister Bros., 1145 Ross av
Brady, Thos.
Brandhorst, J. H., 652 Miss
Buell, C. J.
Clark & McCormack, 188 E 6th
Dahlman, Aron, 130 W 4th
Daly, Eugene J.
Deichen, T. A.
Doherty, Patrick
Donahue, J. H.
Dorrance, Geo. W.
Doyle, Andrew
Erickson, A. G. (Large), 404 N Prior av
Fee, Jno. J., 225 St. Anthony av
Frandsen, H. J., 505 Rice
Frankman Bros. & Morris, Globe bldg
Fransen, Nels. P. & Co.
Hartigan, M. J.
Hennessey, P. M. Construction Co. (Large)
Husby, Thos., 49 Hunt
Ingemann Bros., 1930 St. Anthony av
Johnson, E. J., 902 Thomas
Kencham, Wm.
Lange, Henry P.
Larson, Louis J.
La Rue, Oscar R.
Lauer, Bros.
Linden, J. O., 596 E Lawson
Lone, J. B. & Son
Lovene, C. W.
Molin, John
Nelson, John W.
Nickow, Louis
Norlander, Fred. C.
Oakes, Geo. W. & Co., 336 Endicott bldg
O'Connell, Daniel E.
Peterson, Emil
Poppenberger, Wm. Son, 731 York
Rankin, Andrew, 484 Selby av
Readon, Timothy
Romer, F. J. & Son, 196 Ramsey
Ross & Olson
St. Paul Building Co., 460 Rice
Schmit, J. R., 630 Fuller av
Skooglun, Chas., 1105 Jessie
Steckling, Henry P.
Swenson, Olof, 945 Clark
Taylor, Matthew, 201 W 5th
Telander, F. G. & Co.
Wilcken, F. J. & Co., 228 McBoal
Wildung, C. P., 825 Van Minden

ST. PETER—Brogan, Thos.
Frederickson, Ole
Olson, Albert S.
Smith, Jas.
SANDSTONE—Larson Bros.
Myer, W. S.
Northey, Miss Effie
Olson, O. H.
THIEF RIVER FALLS—Dorge, F. S. & Co.
TWO HARBORS—Johnson, A. L.
Pastoret & Lunz
Spurbeck, G. H.
TYLER—Johnson Bros. & Kruse
VIRGINIA—Butler, Chas. C.
Grande, Andrew
Johnson, Chas. A.
Olson, J. H.
Osterberg & Johnson
Rinnert, F. J.
Sampson, Jas.
Shaner, W. B.
WILLMAR—Bjorsell, Andrew
WINDOM—Christofferson & Westgard
Huseman, Fred.
Knopp, John
Lohse, John
Polzin, Frank H.
Siedlitz & Werner (Large)
WINONA—Abell & Brady Co. (Not Inc.)
Becker, K. G.
Becker, K. J.
WINTHROP—Lindstrom, A. P.
WORTHINGTON—Peterson, J. H.

MISSISSIPPI.

ABERDEEN—Brannin, Addison
AMORY—Camp, J. R.
BAY ST. LOUIS—Gardebled, C.
BELZONA—Edwards, R. L.
BILOXI—Harkness, W. T.
BLUE MOUNTAIN—Robertson, W. L.
CLARKSDALE—Leonard, Jack
CLEVELAND—Nott & Ward
COLDWATER—Duboise, H. A.
COLUMBUS—McClannahan, D. S.
Stansell, Arthur
Stansell, J. P. & Son
Stansell, J. W.
COURTLAND—Brannum, M. C.
Huron, W. A.
CRYSTAL SPRINGS—Bennett, W. G.
GREENEVILLE—Hecker, Gus
GREENWOOD—McGunnis, S. L. & Co.
GRENADA—Moss, W. H.
HATTIESBURG—Graham Construction Co.
Limbaugh, J. B.
Ward & Roberts
INDIANALOS—Chandler, W. H.
ITTABENA—Reese, R. C.
JACKSON—Garber, L. C.
Herbruck, A.
Hull, F. B. Construction Co.
Landen, J. C.
Randle, J. T.
KOSCINSKO—Storer & Miller
LAUREL—Norris & Gardner
MAGEE—Polk, H. A.
MAGNOTIA—Easley, W. W.
MERIDIAN—Carson & Richardson
Dabbs, C. H. & Co.
Hopkins, Fred.
NATCHEZ—Bost, R. E.
NEW ALBANY—Reeds, T. L.
OXFORD—Tyer, W. A.
PORT GIBSON—Jordon, E. C.
RICHTON—Blackwell, G. G.
SARDIS—Bridge, G. E.
Johnson, Andrew & Son
SENATOBIA—Mothershed, E. L.
TUPELO—Callow, W. G.
VICKSBURG—Beck, J. W.
Gregory, T. S.
WINONA—Gesty, R. & Co.
YAZOO CITY—Morford, Wm.

MISSOURI.

ARCADIA—Miller, Louis
BOONVILLE—Cochran, W. J.
CAMERON—Dildine Bridge & Construction Co.
CAPE GIRARDEAU—Danes Bros.
Vogelsang Bros.
CARTERVILLE—Holman, M. A.
CARTHAGE—Bolle, N. E.
Davis, Leslie F.
Jackson, Ellis & Son
Missouri Stone & Construction Co.
CHILLICOTHE—Glore, O. P.
COLUMBIA—Miller, F. P.
DE SOTA—Herman, Otto
EXCELSIOR SPRINGS—Pryor & Co.
Stawser & Bryan
FARMINGTON—McCarthy Construction Co.
HANNIBAL—Walley, E.
HARRISONVILLE—Jones & Edwards
INDEPENDENCE—Roberts, Thos. W.
Yetter, Christian
JOPLIN—Bane & Moore
Dieter & Burgehagen
Dieter & Wenzel
Joplin Construction Co.
Koehler, A. F.
Kost & Patton
Lauderback, W. L.
Register, A. L. & Co.
Thomas, John R. & Co.
Williams, J. P.
Winterholer, Bugenhagen & Wendel
KANSAS CITY—Arrow Head General Cons. Co. (Not Inc.)
Boyd, R. J. & W. M. Construction Co.
Brown, Gen. L. & Son, American Bank bldg
Clay Construction Co.
Corcoran, James G. & Co.
Coumbe & Bachman Construction Co.
Crosby, L. & Sons
Cullen-McCurdy Construction Co.
Economy Construction Co.
Farmer, Lawrence Cons. Co. (Not Inc.)
Farney, A. W.
Freeborn Engineering & Construction Co.
Fuller, Geo. A. Cons. Co., Hall bldg
Gate City Contracting Co.
Green, H. M.
Hallinger, Job Construction Co.
Halpin, Dwyer, Construction Co.
Hayde, S. J. Cont. Co., 597 K. C. Life bldg
Hayes & Beverforden, Sheidley bldg
Henry, John
Home Construction Co., 1407 Walnut
Hone, John
Hucke & Sexton Cont. & Building Co.
Huggins, G. W., 216 Shukert bldg
Hurlbut, Frank A.
Kinghorn, Alex.
Kirn, Gottfried
Latimer, Frank H.
Launder, Construction Co. (Not Inc.)
Leviston, Walls, 14 W 3d
Love, James
Love, Wallace, 3801 Genesee
Ludlow, F. H.
McTernan & Halpin Construction Co.
Marshall, D. E. (Brick), 209 Postal Tel. bldg
Middleton, A. J. & Son Construction Co.
Morley, Patrick J., 1643 Wyandotte
Neevel, J. B., New Ridge bldg
Nilson, O. A., 304 Kemper bldg
Norton Bros.
Pfost Construction Co. (Not Inc.)
Reyborn-Laird B. & C. Co., Bryant bldg
Richards, E. F. (Brick), 1821 Paseo
Robertson, L. D.
Rowland, L. M. & Co., 1206 Forest av
Schwerger, T. G. Contracting Co., 1309
Sharp, C. H. Contracting Co. Balto. av
Smith, Chas. C.
Stiver, Harvey
Stone, J. H., 4119 Oak
Swenson, Construction Co.
Tarbet & Byrne
Taylor & Winn, Mass. bldg
Thomas, J. D., 1312 E 33d
Turner Bros.
Urban Construction Co.
Western Contracting Co.
White, J. C., 3223 Washington
Wilson, W. A., 618 Postal Tel. bldg
KIRKSVILLE—Anderson, C. C.
Holmes, A. L.
LIBERTY—Hayes, B. F.
LOUISIANA—Stewart, Ralph
MARSHALL—Page, E. R.
Rose Bros.
MEXICO—Reid, A. F.

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NEVADA—Beagle & Dye
Daly, J. A. (Large)
ODESSA—Ryland, F. M.
RICH HILL—Jaeger, G.
ST. CHARLES—Pfaff, Jno.
ST. JOSEPH—Buddy, Philip P. Building & Construction Co.
Lehr, J. W., 1702 Fredrick av
Stamey, T. W. & Son
ST. LOUIS—Abrahams, Sol. & Son 1228 Pine
Advance Engineering & Cons. Co., 806 Victor bldg
Ahrens, Frederick, 2609 Howard
Alles, Herman, 2322 Athlone av
Althans, Jacob, 810 Olive
Anderson, John H. & Co., 2722 Henrietta
Anger, John, 3136 New Ashland pl
Atlas Construction Co.
Bacon, O. W. (Brick), 4363 N Market
Bardsley, Edward, 2842 Belt av
Barnes, W. W. & Co., 1522 Chestnut
Barry, Wm. D., 3829a Sullivan av
Barwick Construction Co., 4957 McPherson
Bauer, Herman, 2126 Nebraska av av
Beets, Henry C., 2664 Nebraska av
Beinke, Henry F., 4807 Cote Brilliante av
Black, James Masonry & Contracting Co., Wright bldg
Boland, John V. Construction Co., 221 Olive (Not Inc.)
Borneman, John, 6212 Gravois av
Botts, W. P., 6505 Michigan av
Brennan, Michael J., 2610 Rutger
Brewster-Ames Building Co., 810 Olive
Bright, James H. Contracting & Building Co., Lincoln Trust bldg
Brockett, John M., 4253 Sarpy av
Broderick, John J., 5711 N Market
Brueggman, F., 3547 S Jefferson av
Bush, Wm. R. Construction Co., 211 N 7th
Carpenter, A. B., 3629 Iowa av
Casey & O'Keefe Construction Co., 816 Olive
Chapline Realty & Cons. Co., 407 N 8th
Charleville, Benj. G., 1107 Chestnut
Clostermeyer & Green, 3047 S B'way
Conlish, John, 3429 Olive
Conradi, Joseph, 810 Olive
Cooney Construction Co., 412 Fullerton bldg
Crosby, H. W., 4048 Evans av
Crotty, M. M. & Son, 4347 Finney av
Daly & Gillespie, 722 Chestnut
Daman, Wm., 810 Olive
Danes Bros., 2736 Chariton
Denham, Wm. L., 407 N 8th
Dentman, Richard, 7027 Michigan av
Diedrick, Chas. G., 1418 S 18th
Dilschneider, John, 5722 Etzel av
Dooley, Frank X., 3006½ Olive
Dooley, Gus, 4208 Delmar boul
Duffner & Stecker, 113 N 11th
Edwards Bros., 816 Olive
Elias, Wm., 1480 Washington av
Ellerman, E. August, 3446 Sidney
Engel, Jesse, 1806 S 11th
Erdbruegger & Beumer, 2909 Nat. Bridge rd
Evans, Daniel, 816 Olive
Evans, Lewis J., 208 N 10th
Eyssell, M. Construction Co., 420-21 Odd Fellows bldg
Ferris, Wm. H., 816 Olive
Fischer, A. A. Architectural & Building Co., 728 Chestnut
Fischer, Carl G., 4214 La. av
Fitzgibbon, J. D., Chemical bldg
Flannery, Joseph, 1420 Morgan
Fleming, Alex., 5868 Easton av
Frein Building Co., 1113 Chestnut
Frieling, Christian 3240 N 20th
Gaertner, Aug. H., 2045a Adelaide av
Gahl, Wm. & Co., 2726 Russell av
Galvin, Jas. B., 4612 Easton av
Geisel Construction Co., 620 Chestnut
Gerber, G. L., 3705 Juniata
Gerhard, E. C. Building Co., 805 Victoria bldg
Germania Cons. & Building Co., 1340-42 Syndicate Trust bldg
Giese, Frank W., 9090 Halls Ferryy rd
Gillespie, R. M. (Brick), 816 Olive
Globe Construction Co., 721 Olive
Gray, C. L., Construction Co. (Large)
Griffith, Wm. F., 816 Olive
Grone, L. H., 202 N 9th
Haase, Christ. E., 2308 S 9th
Handschiegel, Jos., 3822 Ashland av
Hartman Bricklaying & Cons. Co., Odd Fellows bldg
Harvey & Hall, 721 Olive
Helfert, Philip, 6643 Florissana av
Helm Building Co., 4223 Louisiana av
Heman Construction Co., 122 N 7th
Heman, Harry F., 721 Olive
Hennessy, John M., 4592a Evans av
Hill & O'Meara Construction Co., 1418 Syndicate Trust bldg
Hinchman-Renton, Cons. Co., 922-23 Holland bldg
Hinricks, J. G., 7509 Virginia av
Hoffman Contracting Co., Globe-Democrat bldg
Hogan, W. G. Building Co., 915 Olive
Hogg & Reid, 407 N 8th
Hoosac Building & Cons. Co. (Large), 3015 Lucas av
Hughes, David G., 1722a Cora av
Humphrey, Oscar F., 5296 Westminster pl
Hunter, Jas. T., 2607 Howard
Imkamp, Chas. A., 2920 Gamble
Jones, S. L. Building Co., 620 Chestnut
Karberg, Fred. A., 620 Park av
Kelleher, J. P., 1723 Bacon
Kellerman Contracting Co., Roe bldg
Kiel & Danes, Bricklaying & Contracting Co., 816 Olive
Kirkwood, Matthew, 3955 Page boul
Kohlmeyer, A. H., 810 Olive
Kuhlman, Chas. F., 2203½ Sullivan av
Kuhnert, John L., 4246 Easton av
Lang, Florian, 708 N 8d
Lee, T. C., Architect & Building Co., 511 Merchantile bldg
Lloyd, Hiram Building & Cons. Co., 816 Olive
Lohman, Wm. H. P., 3841 Indiana av
Lohrum Quarry & Cons. Co., Ft. Osceola
Louisiana Contracting Co., 3839 Duncan av
Low, Jno., Benoist bldg
Loyd, Robert J., 4145 Magnolia av
McCleary, S. T., 3940 Shenandoah av
McClure, Richard P. Construction Co., 203 N 10th
McCormack-Combs-Brainerd, Cons. Co., 802 Columbia bldg
McCully Construction Co., Houser bldg
McGinnis, Chas., 5809 Delmar boul
McInroy & Cousins, 4732 Vernon av
McKelvey Construction Co., 816 Olive
McKnight, J. B., 1712 Arlington av
McMahon, John J., 3721 Cote Brilliante av
McTaggart, Edward, 202 N 9th
Manning, L. W. & Son, 24 S 11th
Matheson & Baker, 3662 Park av
Mayer, Benedict, 217 Lafayette av
Merton, S. D., 407 Chemical bldg
Midland Contracting Co., 509 Chestnut
Milburn & Rich, 415 Locust
Millot, Roy A., 4044 Kennerly av
Milne & Gordon, S Jefferson av nr Mo. Pac.
Mockler, Thos., 4478 McPherson av By.
Morley Bros., 1727 S Jefferson av
Morrison, R. W. Construction Co., 722 Chestnut
Moynihan, P. J., 1918 Olive
Mueller, Albert A., 2712 Virginia av
Mueller, F. C. & Bro., 717 Locust
Mueller, Jacob J., 2915 Indiana av
Muir, M. W., 816 Olive
Mulcahy, Patrick, 3216 St. Louis av
Murch Bros. Construction Co., Odd Fellows bldg
Neir, Samuel, 1039a Marion
Neuroth & Lindner, 3425 Oliver
Nicolson, Theo., 1140 Walton av
O'Brien, Jos. H., 4222 Cook av
O'Malley, John, 8225 Vulcan
Paul, Alfred R., 4599 Evans av
Paulus, Robert, 2205 Ann av
Peters, H. L. & Son, 3025 Texas av
Petty, Benj. Contracting Co., 2413 N 9th
Pickel, John J., 5055a Garfield av
Pipe, Edward C., 5619a Maple av
Poertner, C. H., 2039 E Grand av
Pollman, Aug. F., 2305-11 Victor
Prendergast, Geo. G. Construction Co., Chemical bldg
Price, G. D., Real Estate bldg
Quinn, Jas. J., 716 N 9th
Raithel, Eberhard, 4018 Grove
Raterman Building & Contracting Co., 1943 St. Louis av
Re-Inforced Concrete Construction Co., 803 Columbia bldg
Reinschmidt-Hanni Cons. Co., 906 Olive
Remmers, Harry J., 3735 Windsor pl
Remmers, Jacob H., 1318 Allen av
Remmers, F. J. Contracting & Building Co., 3565 Cook av
Rich Construction Co., 510 Pine
Riechers, Chas. P., 2815 St. Louis av
Riley, Wm. F., Construction Co., 617 Chestnut
Rocklage, Henry W., 1507 Monroe
Roeder, Geo. W., 2924 Magnolia av
Roehl, E. J., 2920 Hickory
Ruhaack, U. F., 2625 Texas av
Rupp, J. F., Building & Contracting Co., 1901 E Warne av
Ruprecht, Wm. & F., 8011 S B'way
St. Louis Contracting Co., Odd Fellows bldg
Saltmarsh, Dan. R., 3837 Easton av
Samuel, W. Russell Construction Co., 421 Chestnut
Sanquinet, R. V., 407 N 8th
Sangumette, Paschal P., 4330 St. Louis av
Schaefer, Jos. B., 7227 Michigan av
Schaperkoetter, Louis, 4015 N 26th
Schatz, Adolph, 5212 N 21st
Schenck, Jacob Building & Contracting Co., Salena c Penn
Schneider, Peter, 2508 Elliott
Schober, Frank E., 3116 Eads av
Schubert, Wm., 2140 Allen av
Schuler, C. W., 2842 Texas av
Schulte, W. H. Cons. Co., 8337 Emma
Schultz, Bernard, 2518 N Sarah
Schultz, Chas., 3627 Nebraska av
Schumacher, W. A., 609 Leggett bldg
Scilden-Breck Cons. Co., Fullerton bldg
Settle & Co., 810 Olive
Shasserre, E. P., 202 N 9th
Shinnick, Richard, 4186 Morgan
Sinclair Quarry & Construction Co., 620 Wainwright bldg
Skrainka Cons. Co., 806 Security bldg
Smith, Thos. L., 1962 Semple av
Southern Construction Co., 407 N B'way
Sparling, John, 1243 Aubert av
Spore, H. C., Ozark bldg
Stansburg, James A. & Bro., 816 Olive
Stedger, John H., 819½ N 10th
Steininger Construction Co., Victoria bldg
Steininger, E. A. Construction Co., 407 N 8th
Stevens, David, 2815 Clark av
STEWART JAS. & CO. Lincoln Trust bldg
Storck, H. & Co., 819 N 11th
Sullivan, Jas. E., 1419 S Cardinal av
Sullivan, John, 817 N 6th
Sullivan, Michael G., 4291 Margaretta av
Sutherland, Wm. M. Building & Cons. Co., Victoria bldg
Taxis, Harvey Construction Co., Victoria bldg
Taylor, Albert E., 2943a Montgomery
Theby, Michael, 7316 Michigan av
Thomas, L. A., 1138 Pine
Thomson, Henry, 4843 Cote Brilliante av
Tranel, Geo. H., 2229 Madison
Trumpfeller, Michael, 2017 E College av
United Building & Cons. Co., 717 Locust
U. S. Conduit & Cons. Co., 407 N 8th
Vickery, Henry H., 5166a Fairmount av
Vollmer, Aug., Jr., 5246 Northrup av
Voss & Korte, 2346 Palm
Wade Bros. Construction Co., 2272 Old Manchester rd
Wagner, E. L. Construction Co., 506 Victoria bldg
Wahlers, Wm. G. C., 3543 Wyoming
Walchshauser, John, 2800 Texas av
Ward, Edward, Chemical bldg
Ware, J. A. Construction Co., Houser bldg
Wende, Fred., 3745 S Compton av
Wende, Frederick, 2613 N Spring av
Westlake Cons. Co. (Large), 717 Locust
Wharton, J. J., 2829 University
Widdicombe, E. H., 816 Olive
Widdicombe, Richard, 620 Chestnut
Widmaier, Wm., 2202 S Jefferson av
Williams, W. H., 2200a Salisbury
Wilson, J. W. & Son, Odd Fellows bldg
Wind, Anton, 1026 N 14th
Wippler, August, 1431 Goodfellow av
Wippler, Martin, 5240 Paulian pl
Wise, Julius H., Victoria bldg
Wisman, Lorenz & Co., 3009 St. Vincent av
Woitchek, E. G., Lincoln Trust bldg
Wright-Gallagher, Cons. Co., 408 Chemical bldg
Zabaren Cons. Co., 926 Victoria bldg
Zadow, Henry R., 6007 Virginia av
Zeller, Geo. P., 4524 Chouteau av
Ziegelmeyer, John S., 7300 Minnesota
SEDALIA—Johnson, T. H.
SPRINGFIELD—Garrett Construction Co.
Snody, I. C.
WEBB CITY—Smith Bros.
Tarrant Bros.
Wiggington & Milton

MONTANA.

ANACONDA—Hamill & Caluan
BILLINGS—Billings Construction Co.
Gagnon, E. H. & Co.
Welch & Cederholm
BOZEMAN—Morris, Peter T.
Vreeland, F. W.
BUTTE—Hogan, J. F., 9 W Quartz
O'Brien, Arthur
O'Brien, Wm. A.
O'Connell, Michael D.
Perham, Wallace T.
Sewell, W. J.
Smith, G. M., 321 S Idaho
Union Construction Co.

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Walsch, E. W.
Welch, Jas.
Whitney, M. J.
FORSYTH—Robinson, L. W.
GREAT FALLS—Coombs, Frank
Donlin, Jas. H.
Lease & Richards
HARDIN—Gray, A.
HAVRE—Fuller & Bossnet
HELENA—Dryburgh, John
Fiske, E. W.
Pew, Howard
Wagner, Edw., 1631 E Lyndale av
MILES CITY—Northwestern Building Co.
MISSOULA—Gibson, A. J.
WARM SPRINGS—Mitchell & Mussigbrod
WHITCOMB—Baker Bros.

NEBRASKA.

ALLIANCE—Reck, S. C.
ALMA—Hostetter, J. E.
ARAPAHOE—Distrow, Edward
COLUMBUS—Ochiltree, H. M.
FALLS CITY——Heineman, C. H.
FREMONT—Denny, P. D.
DAVID CITY—Bushell, W. H.
GRAND ISLAND—Geer & Harrison (Large)
HASTINGS—Cowten, H. H.
LINCOLN—Assenmacher, W. G.
Birchard, G. D.
Bush & Swenk
Campbell, C. D., 1702 S 11th
Campbell, J. A. & Son
Campbell, W. L., 921 Peach
Clyce, E. P.
Harrison, T. P.
Jensen, Louis (Large)
Shaul, Geo. A.
Stephens Bros. Co. (Large)
LOUP CITY—Ohlsen Bros.
NEBRASKA CITY—Hamilton, R. P. & Ed. O.,
Harte, Jno. H., 1609 Webster av 526 Bee
Hoops, E., 1313 Central av
Jobst, B. J., Paxton blk
Kuns, Phillip G.
McWilliams Construction Co.
Metropolitan Construction Co.
Murphy, Hugh, Bee bldg
Parsons & Kiene, 17th & Harney
Strehlow, R. C., 3813 Charles

NEVADA.

CARSON CITY—Hudenreich, Henry
ELKA—Nelson, N. P.
Noland, W. H.
ELY—Dobson, Bros.
Schraven, J. F. & H. E.
GOLDFIELD—Corregan, G. S.
MANHATTAN—Cook, Joseph
RENO—Burke Bros.
Paterson, Andrew
TONOPAH—Flenley, J. J.

NEW HAMPSHIRE.

ALSTEAD—Dickey, John F.
AMHERST—Burtt, Edwin K.
ASHLAND—Filfield, Frank
ATKINSON—Mason, S. Burleigh
BERLIN—Rowell, H. C.
Stewart & Snodgrass
BRADFORD—Hemphill, George A.
CANAAN—Welch, Wm. H.
CENTER HARBOR—Leighton, James P.
CHESTER—Hardy, Albert M.
CLAREMONT—Beckwith, H. R., Union blk
Stockwell, George T. Tremont sq.
COLEBROOK—Hicks Bros.
Spencer, John
Young, Ellsworth D.
CONCORD—Chesley, Geo. W.
Danforth, Sylvester P.
Duffy, Michael J.
Fellows, C. L. & Co.
Grover, Edward A.
Hall, Byron W.
Hutchinson, E. B. Bldg. Co., Turnpike
Liberty, Jas. F.
Rowell & Plummer, 22 Warren
Sargent, Walter H.
Swain, C. H., Ferrin blk
Virgin & Forest, rear 70 N Main
CONWAY—Chase, John F.
Sawyer, I. A.
Whittaker, John T.
Wiggin Bros.
COOS—Davidson, John L.
Golbert Construction Co.
DERRY—Bradford, Calvin H.
Griffin, Oscar C.
Martin, Cyrus A.
Proctor, Gilbert H.
DOVER—Beede, Augustus H., 20 Mt. Vernon
Bishop, R. G., 8 Fisher
Blanchord, Jno. H.
Coleman, W. S.
Cornell, John
Dorr, Chas. C.
Frost, E. H., 270 Central av
Langley, Currier W.
Moulton, Otis E.
Palmer, Orrin
Roberts, Preston F.
Shaw, H. M., 14 Hough
DUBLIN—Patterson, Herbert A.
Sander, Thos. W.
DURHAM—Bunker, John J.
EAST JAFFREY—Hodge, Harlon F.
EPSON—Holmes, Hiram A.
EXETER—Exeter Construction Co.
Stewart, B. D., 14 First
Twombly & Son
Webster, Geo. A.
Wiggin, Orlando B.
FARMINGTON—Copp, F. R.
FRANCESTOWN—Colburn, Ephraim W.
FRANCONIA—Whipple, Elmore
FRANKLIN—Babbitt, C. M. (Large)
Dresser, Jno. W.
Felch, Fred. A.
Kimball, Benj. F.
Morrison James O.
Norwell, Jas. C.
Putney, Nelson J.
GOFFSTOWN—Dodge & Barnard (Large)
GORHAM—Willey, J. E.
HAMPTON—Dearborn, Samuel W.
Joplin, Abbott L.
Stevens, Chas. V.
HANCOCK—Wood, J. Frank
HANOVER—Bond, John J.
Porter, Asa
HENNIKER—Bunnell, Seth A.
HILLSBORO—Annis, Leon D.
Rumriel, Peter & Sons
HOLDERNESS—Long, A. C.
Perkins, John H.
HOLLIS—Gates, Wm. J.
HUDSON CENTER—Smith, Isaac
INTERVALE—Ward, A. E.
JACKSON—Harriman, Andrew C.
KEARSARGE—Nute, J. L.
KEENE—Burnham, F. K., 66 Mechanic
Gordon, Geo. A., 64 Beaver
Poole, George E.
Purcell, Henry, Railroad
White, C. M., Leverett sq
LACONIA—Davis, A. L.
Guay & Wallace
Marceau, Gideon
Stone, Harvey H.
Stone, H. S.
Thompson, Carl B.
Thompson, Henry H.
Tucker, Wm. H.
LAKEPORT—Meader, Jonn M.
Merrill, Geo. D.
Muzzey, Orvis T.
LANCASTER—Sherwood, W. H.
Simonds, E. E.
Smith, John H.
Stebbins, Jas. A.
LEBANON—Phelps, H. F.
LISBON—Gondie, Lawrence W.
Morgan, S. D.
LITTLETON—Bishop, Henry D.
Fogg, E. O.
Pennock, Ira F.
LONDON CENTER—Tilton, B. F.
MANCHESTER—Bixby, Clinton H.
Brendle, Frank J.
Brunelle & Co., 150 Amory
Bunton & Bernard, 44 N Main
Burton, J. F. (Stone), 22½ Concord
Charnley, Jas. E.
Colburn, C. H., 323 Laurel
Dana, Joseph
Demers, Jos. C.
Eastman Bros.
Finnerty, Thos.
Goings, F. M., 15 Falls av
Head & Dowst Co. (Large)
Holbrook, George
Laflamme, Frank X.
Landry, Wm. G. (Stone), 390 Cedar
Larivere, Gideon
Lemire, Napoleon
Lodge, Ernest L.
Lodge, John B.
Manchester Real Estate & Mfg. Co.
Marston, Geo. H., 441 Main
Mendell, J. H. & Co., 1276 Elm
Paige, Nelson W.
Piper, H. A., 112 Manchester
Provost, F. T. & Co., 21 Amory
Read, Geo. L.
Rooper, Waller L.
Seward, Jno. F., 27 Warren
Veasey, E. B., 383 Concord
Whittemore, Cyrus
Wilson, Jno. K.
Wilson, Wm. O.
Wyman, H. S.
MELVIN VILLAGE—Hunt, C. R.
MEREDITH—Bartlett & Smith
MILFORD—Brooks, Ernest O.
Cassidy Bros.
Demontigny, Henry
Johnson, Keith
Winslow, Worcester L.
MOULTONVILLE—Connor, Chas. L.
NASHUA—Atwood, Henry O.
Chagnon, Alphonse, 103 Ash
Cone & Mailhot, 9 Clinton
Erb, W. M. & Co.
Gibson, E. J., 56 Lake
Gibson, Harry W.
Holt, Duane F. & Son, 282 Main
Nashua Building Co.
Osgood Construction Co.
Sanders, James A., 7 Union
Spalding, Chas. C., 34 Norton
Tetrault, Adolph J.
Watson, Jas. F.
Willard, George A., 115 Vine
NEW BOSTON—Marden, Chas. F.
NEW CASTLE—Davidson, Geo. H.
NEW HAMPTON—Tilton, Joseph C.
NEWINGTON—Hoyt, Benj. S.
NEW LONDON—Smith, R. F.
NEW MARKET—Griffin, Maurice N.
Herson, Louis & Co.
NORTH HAMPTON—Brown, Irving W.
Moulton, Warren B.
NORTH HAVERHILL—Coburn, Willard W.
NORTH WEARE—Hadley, Harry A.
PENACOOK—Barnett, Chas. H.
Chandler, Wm. P.
Morrill, Henry
Sebra, Louis J.
PETERBORO—Nickols, Wm. K.
PITTSFIELD—Caswell, Louis L.
Winkley, Herbert C.
PLYMOUTH—Emerson, Thos. I.
PORTSMOUTH—Chickering, Jas. E.
Cox, Geo. E.
Dame, Byron
Hodgdon, W. A.
Holmes, Chas. H.
Humphreys, Chas. W.
Ireland, Wm. W.
Junkins, Albert R.
Kiernan, W. F.
McKenney, N. A. & Co.
McNabb, E. N.
Magraw, Chas. H.
Martin, J. W.
Pendexter, Daniel P., 13 Hanover
Spinney, Frank A.
Sugden Bros. 27 Cabot
Trefethen, E. W.
RANDOLPH—Boothman, John H.
RAYMOND—Healy, Edward S.
ROCHESTER—Dame, John W., 20 Pine
Letourneau, Jos.
RYE—Rand, Chas. M.
SALEM DEPOT—Bailey, Loring B.
Borchers, Chas. H.
Thom, Geo. W.
SANDOWN—Kelly, John D.
SPOFFORD—York, J. W.
STRATHAM—Brewster, Frank H.
SUNCOOK—Batchelder, Geo. F.
Colby, James D.
McDonald, Moses
TEMPLE—Tuttle, Frank A.
Tuttle, James S.
TILTON—Cross, Fred. H.
Gilman, Frank A.
Lawrence, Frank P.
Page, Daniel M.
Sanborn, Ford T.
Sargent, Wm. C.
Worthen, Arthur L.
WEST SWANZEY—Nash, O. C.
WHITEFACE—Weed, L. D.
WHITEFIELD—Thayer, Harvey A.
WILTON—Emerson, Henry L.
Robbins, Chas. E.
WINCHESTER—Hildreth, E. C.
WOLFBORO—Goodwin, J. F.
Hershey, Fred. E.
WOODSVILLE—Gordon, James
Lowe, James R.

NEW JERSEY.

ALLENDALE—Van Blarcom, S. G.
ALLENHURST—Morrow, Geo. D.
ALLOWAY—Bee, Geo. E.

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ANGLESEA—McLinden, Jas.
Taylor, John
ARLINGTON—Abel, Alvah W.
Bellis, Wm. C.
Clarkson, Jno., 584 Chestnut
Jacobson, Jno. J., 402 Elm
Jersey, Stephen Y. & Co.
Pierce, Cyrus A., Argyle av nr Laurel av
Salmond Bros., 160 Midland av
ASBURY PARK—Bartholomew, S. L.
Burke, Jno.
Durrah, G. L.
Ferris, Cyrus C.
Lippincott & Son
Martin, J. W.
Mooney, J. F.
Patterson, Wm. J.
Reid & Pearce
Sexton, D. W.
Smock, B. L.
Taylor, I. R. & Co.
White, H. D. & Son
ATLANTIC CITY—Albertson, Smith J.
Andrews, Walter H.
Balestrieri, R. & Co.
Beaumont, Wilbert
Bowen Bros.
Bowen, John W.
Buckley, Elwood
Conover, Josiah
Cramer, Augustus
Creighton, J. H.
Cunningham, Frank M.
Goff, Garner T.
Hampton Bros.
Hannum, Philip
Headley, Samuel H.
Henry, Lemuel H.
Higbee, Wilbert S.
Horner, Chas. F.
Ingersoll & Weeks
Knauer & Co.
Kohl, Chas. R. & Son
Lee, Edward S.
Maginnis, John W. R.
Marcus, Andrew
Mathis, Hiram
Mathis, Job & Son
Miller, Augustus C.
Moore, Alfred
Mulock, H. G. & Co.
Murtland, John
Parsons, Howard
Risley, Nathaniel & Son
Scull, Harry G.
Smith, Ellsworth E.
Smith, W. H.
Snyder, C. W. & Co.
Steelman, Jas. E.
Thompson & Stiles
Turner, John F.
Young, Nicholas W., 13 S Ohio av
ATLANTIC HIGHLANDS—Miller, Calvin W.
Monmouth Contracting Co.
Roberts, D. J.
Stout, Jacob T. & Son
Wells, Wm. L.
Woodward, John
AUDUBON—Lange, Fred.
AVALON—Holmes, Hughes H.
Kates, Geo.
BARNEGAT—Tolbert, A. H.
Tolbert, Harry A.
BARNSBORO—Skinner, John T.
BASKING RIDGE—Allen, J. Walter
Allen, Samuel A.
Benden, Geo.
Snable, Sidney
BAYONNE—Buell, Berton D.
Bull, John & Sons (Large), 10 W 18th
Bunn, Jno. W., 19 W 43d & 20 W 44th
Lipman, Meyer
Murphy, Daniel J.
Pharo, J. Anderson, Avenue D n 33d
Sippel, Gustav
Tocci, Nicholas, 1048 Boul
White, Michael, 7 North
Winters, H. W., 476 Avenue E
BEACHHAVEN—Hewitt, H. C.
BEDMINSTER—Flomerfelt & Huyler
Tuttle, John W.
BELLEVILLE—Becker, Jos.
Dickerson, R. E.
Kellsall, Jas.
La Faucherie, Jno. C.
Marion, G.
Mellis, Daniel
Mutch, Edward J.
Risicorvoccia, Luigi
Swick, Geo. A.
Travers, John
BELMAR—Hutchinson, Forman S.
Pierce & Mount
BERGEN FIELD—Abrahams, Oscar
Bogert, Harry
Demarest, Chas. L.
Demarest, Wm.
BERNARDSVILLE—Babbitt, S. Eugene
Diehl, James
Hoffman, Harry W.
McWilliams, H. & J.
Westlecraft, G. & Son
BEVERLY—Hammel, Joseph E.
Kolster, Joseph E.
Merrit, Theo. G.
BLAIRSTOWN—Logan, J. R.
BLOOMFIELD—Ainiar, L. Jerome
Ashley, Hubert G.
Bitterle, Alfred, Hendricks pl
Brown, John
Callin & Peters, 19 Baldwin
Campbell, Wm. A.
Crane, Jno. M.
Day, Robt., 265 Broad
Delp & Shuboy
Doremus, Andrew Co., Walnut ter
Fredericks, Chas.
Garner, Samuel
Griffith, Eben L.
Griffith & Moore, 41 Orchard
Higgins, Thos. H.
Jacobus, Israel
Jacobus, Richard D., 213 Ashland av
King, Hugh D.
King, John H.
Nicholl, James Y.
Raab, Wm. R.
Raenisch, Emil E.
Schofield, Geo. H.
Sempier, John
Spatz & Law
Vreeland, L. O. & J. R.
Ward, Edwin
BLOOMINGDALE—Mead, S. & W.
Provost, J. H.
Sisco, John F.
BLUE ANCHOR—Hunter, Erford C.
BOONTON—Miller, E. S.
Simons, J. G.
Tompkins, Daniel D.
Van Ness, Josiah
BORDENTOWN—Herbert, Thomas
Higgins, Jos. W.
BOUNDBROOK—McNab, Jno.
McNabb, Jno. & Chas.
Miller, Jas. F.
Miller, J. Theodore
Moorecraft, Wm.
Stryker, Geo.
BRADLEY BEACH—Bennett Bros.
BRANCHVILLE—Thompson & Price
BRIDGEBORO—Gaskill, Rodman P.
BRIDGETON—Bacon, Smith
Conover, Albert
Elwell, Hy. C.
Lupton, Alfred H.
Pierce, Wm. H.
Sharp, Leander
Steelman, Joseph
Williams, Mark H.
BURLINGTON—Keple, Atwood
Lippincott, J. D., 165 W Broad
Norcross, J. J., 450 Locust av
Williams, Harry H.
BUTLER—Gormley, Chas.
Shippie, Jno.
CALDWELL—Beach, Joseph E.
Beach & Welton
Gould, Wilbur B.
Harrison, Samuel D.
Paddock, Sherman & Son
CAMDEN—Bachmann, Geo., 19 N 30th
Baker, Omar N., 804 S 5th
Brown, Lewis W., 19 George
Budney, Henry A.
Cornelius, Frederick H.
Draper, James W.
Dunphey, B. Frank, 1010 S 5th
Eichfeld, A. E.
Foulkes, Harry L., 516 Line
Fraizer, Wm. L., 2717 High
Harden, Frank J., 961 S 9th
Heisler, Peirce, 713 Elm
Hinchman, Henry G., 223 Arch
Hosier, Wm. R., 105 N 25th
Mansfield, Harry, 3415 Federal
May, W. Irwin
Reed & Co.
Schaal, Robert, 2801 Wayne av
Severns, Wm., 516 Columbia av
Sharp, Daniel H.
Sharp, Harry C., 410 Main
Sharp & Faust
Shuster, Chas. H., 526 N 3d
Sweeten, B. F. & Son, 111 N Delaware
Turner & Stewart (Large), 828 B'way
Welsh, John J., 525 Clinton
Winter & Harden
Wisst, Hugh
Wrifford, Wm.
CAPE MAY—Cassaday, Wm. F.
Garretson, Chas. T.
Godfrey, Hiram W.
Hanes, Jos. H.
Hoffman, Reuben S.
Sickles, J. Edward
York Bros.
CARLSTADT—Kastner & Semper
Kock, Julius Co.
Letselter, Peter
Rasmus, John N.
Ruszinsky, Harry
CARTERET—De Bow & Glendining
Hansen, Hans
CHANGEWATER—Castner, Theodore
CHATHAM—Brown, O. R.
Trowbridge, Alfred M.
CHATSWORTH—Adams, Chas. E.
CHROME—Koed, Soren
McCarthy, Philip D.
CLAYTON—Downs, Samuel
CLIFTON—Bailey Bros.
Ginnewarie, John
Johnson & Anema
Parden, Frank & Vincent
Parden, John
COLDSPRING—Hoffman, Joseph
Woolson, Albert H.
COLLINGSWOOD—Doughty, Andrew K. H.
Fletcher, Chas. S.
Gill, Henry
Jaggard, John
McGill & Loper
Patterson, Walter L.
COLUMBUS—Nixon, A., Jr.
Page, Abner J.
CRANFORD—Currie, D. B.
Dickenson, Frank R.
Fox, Chas. J.
Gabbett, John
Kreiel, Deidrich
Loveland, Lyman J.
Moore, Jas. G.
Newbury, Geo. C. & Son
Teichman, Carl
CRESSKILL—Westervelt, Simeon
CRYSTAL LAKE—Bush, C. H.
DELANCO—Hamlin Bros.
DELAWARE—Denee, Alfred M.
DOVER—Allen & Palmer
Eckhart, John J.
Fanning, Thos.
Gies, Frank J.
Hiller & Egbert
Monez, Joseph
Roderer, Andrew
Shoemaker, Abram L.
Wilcox, Nathaniel B.
DUMONT—Jacob & Graves
Russell, Omar G.
Van Orden & Hopper
Waldron Bros.
Whitaker, Benj. J.
DUTCH NECK—Bowers, Lewis O.
EAST NEWARK—Duffy, Thos.
Hoffman & Grafe
Laughlin Bros.
McGlennon, Patrick
Mather, G. W. & Son
EAST ORANGE—Allen, Harris W.
Apgar & Co. (Inc.)
Barradale, Jas. G., 251 Elmwood av
Bonnell, N., 12 Steuben
Brown, Jos. M.
Carter, Azariah H., 373 William
Collyer & Coddington
Coryell, Jno. & Sons
Cowell, Chauncey E.
Coyne & Condit
Cronsbrey, Geo. H.
Curtis Bros., 20 Sterling
Cyphers, L. W.
Doremus, E. & Co., 174 Main
Grobert, Hy.
Harrison, Robert
Hickson, Wm. T.
James, Wm. T.
Kelly & Boland
Kennah, Wm. C.
Larson, L. A.
Lee, Jos., 46 Meadow
McDermott, Robert
McGovern, Bernard
McMiller & Moll
Maurer, Frederick
Mills, John B.
Moller, John
Moore, David E.
Patterson, Stephen S., 87 Sussex av
Richardson, Chas. W.
Shauger, Chas. H. & Bros.

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Shauger, J. Andrew
Stewart & Co., 500 Main
Struck, Frederick M.
Tucker, Geo. H.
Van Horn, Wm. T.
Walters, Geo. H.
Warren, Albert E.
Weber, Frank F., 482 Main
Wooley, Wm. S.

EDGEWATER—McGarry, John J.
EDGEWATER PARK—Pennington, E. E.
Shaner & Miller
EDINBURG—Tindall, John Henry
EGG HARBOR CITY—Green, Jacob
ELDREDGE—Cummings, Wm. L. & Son
Ewing, Samuel E.
Hand, Walter N.
ELIZABETH—Applegate's, Jno. K. Sons, 186 B'way
Barnes & Van Bergen
Beglan, Michael, 428 Fulton
Bretthauer, Carl, 614 1st av
Budd, Thomas B., 286 Morris av
Buss, Geo., Jr., 557 1st av
Byrnes, Michael Building Co. (Large), 430 Westfield av
Cantwell, Timothy J., 425 Spring
Clifford, Wm. (Large), 360 Union av
Craig, Chas. A.
Cummings, Michael
Daly, Cornelius J.
Dippel, Daniel, 533 Franklin
Dow, Henry C., 449 Morris av
Eilbacher, Charles (Large), 32 4th
Faughnan, Patrick
Fisher, Spencer L., 1101 E Grand
Flocken, Chas., 681 Newark av
Flynn, Wm. J., 823 Garden
Frederick, Chas. L. & Sons, 421 Franklin
Friedrich, Chas. E., 450 Elizabeth av
Hammer, Philip N.
Hudson & Dickison
Jensen & McCardell, 439 Franklin
Johnson, Henry
Kerr, Alex. & Son (Large), 309 Trinity pl
Kirchner, Henry, 122 Smith
Klett, Gottlieb
Lammerding & Devine, 227 Broad
Ludwig, John J. & Co., 569 4th av
Merrill & Faughnan, 118 Elm
Mueller, Aug. & Son, 141 5th
Noonan, Thos.
Palmer, Jacob E.
Pierson, Caleb C.
Pierson, Walter C., 1175 E Grand
Pullen, Frank 731 South
Rieder, Wm. F.
Sayre, E. M. & G. R.
Schlotterer, G. H., 022 Franklin
Schmieder, Frank & Son, 842 3d av
Sheridan, Jno.
Stephens, Wm. C.
Thornton Bros., 252 B'way
Thorpe, Silas H.
Viscount, Thos.
Wade, Matthew
Warren, James W. (Large), 261 W Grand
Wasdell & Karr
Weltchek, Morris
Winans, F. T., 825 Grove
ENGLEWOOD—Bogart, G. D. & Bro.
Bogert, Chas. A.
Bried, Jas. L.
Brucker, Chas.
Demarest & Son
Gulnac, Jas. M.
Lyndecker, John
Mackenzie, R. H.
Oberg, F. G.
Papin, E.
Reeve, Wm. D.
Talman, Abram
Vignaux & Moller
Westervelt, John S.
ERIAL—Shellinger, R. V.
FAIRFIELD—Kanouse, Theo.
FAIR HAVEN—Smith, Arthur E.
Smith, Geo. W.
FAIRVIEW—Fink, Henry D.
Iasillo, Alfred
FAR HILLS—Flomerfelt & Huyler
Layton, Joseph
Moore, Thos.
Pantley, Wm.
FORT LEE—Abbott, John L.
Fort Lee Contracting Co.
FRANKLIN PARK—Bodine, John A.
FREEHOLD—Brower, Frederick A.
Emmons, Conrad (Brick)
Pitcher, H. B.
Soden, Wm. H.
GARFIELD—Passaic & Garfield Cons. Co.
Soyka, Geo.
Troast, Jacob A.
Warnaar, G.
GARWOOD—Schaefer & Neuman
GIBBSBORO—Smith, Geo. S.
GLADSTONE—Bodine, John
GLOUCESTER CITY—Bowe, Lawrence A.
Casey, Geo. A.
Walker, Harry W.
GRANTWOOD—Key, Joseph H.
Raas Bros.
GREAT MEADOWS—Merrill, John
GRIGGSTOWN—Voorhees, Wm. A.
GUTTENBERG—Cade, Jno. R.
HACKENSACK—Ackerman, Aaron E.
Birley, Geo. H.
Collins, Geo.
Delaney & Ferber
Guthrie & Cronin
Hoth, John C., Central av nr 20th
Long, F. R. Co.
Voorhis, J. A.
Yerance, Richard
HADDONFIELD—Albright, Henry
Capern, Wm. S.
Holloway, Frederick
Hoopes, John C.
HADDON HEIGHTS—Hughes, Chas. H.
HAMBURG—Drew, R. E.
Dymock, J. & Son
Rumsey, Thos. B.
HAMILTON SQUARE—Drake, Geo. F.
HAMMONTON—Ballard, Daniel (Brick)
Hannum, I. B.
Myers, Charles P.
Strickland, E. W.
HARRISON—Bruder, M. J.
Cook, James B.
Coyle, John J.
Coyle, Wm. H.
Higgins, Michael
Keegan, Thos.
Lawless, Martin
Leen, John J.
Newbon, Henry W.
Sanford & Coyle
HARRISONVILLE—Swigert, Michael
HASBROUCK HEIGHTS—Hatfield & Basire
Thurston, Lester L.
HIGH BRIDGE—Hoffman, I. N.
HIGHTSTOWN—Dillon, Wm. H.
HIGHWOOD—Grasing, Albert
Stagg, Chas.
HOBOKEN—Cattello, M.
Erxmeyer, Henry, 218 Park av
Farrell, Martin & Son, 1106 Garden
Hayes, Michael
Junge, Claus & Son
Lindner, Philip
Muller & Co., 78 Madison
Rath, Robert
Runton, Jno. & Son, 10th c Clinton
Schultz, Julius
Scuttelaro, Frank
Westbrook, A. L.
Whalen, James
Whan, Alex., 1317 Garden
HOLLY BEACH—Barber, C. E.
Hewitt, Harry
Scully, C. J.
HOPEWELL—Drake, W. F.
Drake, W. W.
Sutphin, H. D.
HURFFVILLE—Jones, Jesse
IRVINGTON—Gould, W. O. & Co.
Gruhn & Schwarz Co.
Haase, Paul M.
Kuscher, Adolph G.
Niebuhr, David
Quinn, Jas.
Zacher & Kurrle
Zipperlin, Fred.
ISLAND HEIGHTS—Applegate, Harry W.
Bogart, James H.
McKaig, Chas.
JAMESBURG—Perrine, Buckelew Co.
JERSEY CITY—Anderson & Johnson, 19 Delaware av
Bonner, Michael J., 94 Booraem av
Brugel, Herman, 17 Stevens av
Byrne, Patrick, 389 Montgomery
Carrington Construction Co., 7 Prior
Carswell, Geo. A., 11 Jones
Connolly, Michael T., Contracting Co., 238-42 17th
Cook, Robert, 473 Mercer
Crane, J. M., 267 Academy
Crone, A. W., 489 Central av
Cummings, W. F. & D. J., 534 Mercer
Delatush, Henry Co., 526 Newark av
Drake, Jno. M., 772 West Side av
Eckes, John, 123 Franklin
Egan, Geo. F. Contracting Co., 224 Coles
Eichman, Robert W., 442 York
Gannon, Bernard, 41 Graham
Gollick, Stanley, Co., 127 Chestnut av
Hackett, Martin Sons (Inc.), 224 Griffith
Hartwick, Frank, 3451 Hudson boul
Holmes & Cogan, 96 Garfield av
Jewkes, Jos. & Sons (Large), 676 Montgomery
Jones, Geo. H., 342 8th
Keesler, Stanley D., 78 Columbia av
King, Samuel B., 479 West Side av
Kuederly, Chas., 319 Communipaw av
Lemser, Andrew, 440 Communipaw av
Lena, P., 20 Centre
Lesher & Wagner
Lindsay, James C., 166 Randolph av
Lothrop, Jno. M.
Myers, Albert W., 377 Forrest
Nibbett, Henry Z. & Sons, 123 R. R. av
Nolan, John, 108 Bergen av
Noonan, Robert D., 30 Sussex
O'Neill, Edward P., 37 Concord
Pickell, Geo. J., 521 Communipaw av
Redfern, Peter F., 571 Jackson av
Robertson, Wm. & Son, 15 Exchange pl
Ross, Alexander, 46 Clerk
Russell, E., 619 Communipaw av
Shannon, J. H. & R. Co., 566 Communipaw
Shedden & Simms, 46 Prescott av
Smith P. S. Co., 813 West Side av
Stillman, F. M. Co., 26 Exchange pl
Tumulty Bros., 59 Brunswick
United Contractors Corporation (Large)
Wheelihan, Jas. F., 767 Montgomery
Whyte, W. R., 86 Oakland av
KEARNY—Carruthers, Jno.
Collins, John
Connelly, P. J. Co.
Crookall, Henry
Dunn, Elizabeth (Mrs. Jas. G.)
Entice Bros.
Levison, Christian
Mackie, Frank A.
Nairn, Wm. Co.
Rizzolo, Vito A.
Ross, John
Smedberg, Alfred
Williamson, Alex. G.
Young, Robert & Son
Zeliff, Zetheo E.
KEYPORT—Davison, G. L.
Langan, Geo. M.
Young, Geo. N.
LAKEWOOD—Applegate, Howard
Hyde, Walter C.
Irons, Geo. E.
Irons & Tappin
Johnson, Ellwood
Newman, W. Preston
Peters, Jno. B.
Shue, A. W.
LAMBERTVILLE—Arnett, Geo. W.
Lambertville Construction Co.
Parker, Fred. R.
LONG BRANCH—Alexander, W. H. Bros.
Baxter, Geo. W.
Brehm & Schulthorp
Campbell, Jas., Jr.
Cloughly, Jas. & Son
Conk, Wm.
De Waltearss, W. M. & Son
Finn, Jos. & Co.
Hughes, R. H.
Hyer & Wright
Melee, Owen J.
Nelson, Fank
Poole, M. V.
Potter, J. C.
Proctor, Thomas
Sherman, Hiram M.
Stanton, Horace
Tapyin, Robert
Wood & Patton
Wooley & Burchell
MADISON—Apgar & Collver
Corbett, Jno. V. (Stone & Brick)
Corbett & Clark
Joyce, Thos. J.
Kyne, Wm. E.
Stull & Philower
MILLBURN—Carter, E. L.
Wolf-Jilson-Douglas Co.
MILVILLE—Chambers, A. J.
Goodwin, Eugene B. (Large)
Hoffman, Henry
Hoffman, Jas. S.
Sheppard, Seeley F.
MONTCLAIR—Bescherer, Jacob S., 4 Montague pl
Bettinson, Harry C.
Boxall, George
Brady, F. A. & G. A.
Campbell, Geo. & McLeod
Carlson, Jno. S. & L. Co., Greenwood av c Walnut
Clark, Allison P., Jr.
Cokefair, E. H., 258 Park
Courter, John R., 4 Friendship pl
Crawford Co. (The)
Dodd, E. Forrest, 115 Walnut
Enarson, Gustaf
Feeney, Owen, 179 Valley rd

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Fusco, D.
Gibbs, Fred. W.
Greener, Alfred, 96 Church
Jacobus, Wm. B.
Kent, John H.
McNamara, John J.
Manuel, John, 110 Glenridge av
Marley, F. J.
Meuser & Thieringer
Nelson, Nels. P.
O'Neil, Jas., 161 Claremont av
O'Neil, John F., 68 Orange rd
O'Neill, Jeremiah L.
Paxton, Jesse
Picken, Jno.
Ring, Edw. D.
Sigler, Theo., Cliffside av
Sims, Benj. G., Mountainview pl
Smith, Frank A.
Terhune, Peter, Valley rd
Thieringer, Gottlieb
Trowbridge, C. Shaw Co.
Wikstrom, Augusta
Wikstrom, Willie

MORRISTOWN—Allen, Geo. T.
Barkman, W. F.
Berry, Enoch
Collins, Jno. D.
Daiglish, Robert
De Coster Mills Co. (Large)
Dempsey & Cooney
Lindsley, Chas. R.
Marinaro, Nicholas
Mitchell Bros.
New Jersey Engineering & Construction Co.
Reeve & Burr (Large)
Sturgis Bros. (Large)
Toms, Stewart M.
Wilday, David H.
Wilson & Griffith

MOUNT HOLLY—Allen, Walter
Couples, E. D.
Esham, E. W.
Gale, W. S.
Howell, Frank P.

NEWARK—Allen, Wm. H., 72 Kearny
Allen & Scott, 110 Verona av
Ballard, Wm., 277 Bunyon
Becker, L. C. & Bro., 415 18th
Behler, Frederick, 24 Dey
Bennetto, James T. 279 N 6th
Berlin Construction Co., 22 Clinton
Bingham, Wm. K., 395 Mulberry
Blanchard, Wm. L. & Co., 45 Pioneer
Bloom, Joseph, 80 Fillmore
Bork, Wm. F., 854 S 19th
Brown, Geo. & Co. (Stone), 270 Passaic
Burns, Jas. M., 29 Freeman
Cain, Elmer, 149 Watson av
Callan, Jno., 21 N 13th
Carnahan & Wallace, 99 Central av
Carter, A. P., 186 4th
Cerrato, Antonio, 14th av
Christiansen, Wm. A., 149 Belmont av
Clark's, A. H. Sons, 45 Clinton
Connolly, James, 131 Newark
Connolly, W. H., 187 S 7th
Crane, Wm. M., 109 Roseville av
Crowder. A. J., 36 High
Davis, Jas. N., 4 Nichols al
Day, Charles T. & Co., 618 N 7th
Decker, Zahn Co., 333 Elizabeth av
De Setfano, Rocco & Bros., 17 Hayes
Dey & Waters, 292 N 5th
Dickson, Henry (General), 22 Clinton
Diebold, Gottlieb, 429 S 9th
Donahue, A. J., 3 Eagle
Donahue, John A., 59 Winthrop
Doremus, Harry C., 118 Vanderpool
Doremus, H. M. Co., 79 Orange
Eckmeter, Jas. M., 318 Halsey
Eitel, Fred. & Co., 146 Brill
Enstice Bros., 45 Clinton
Fatzler, F., 558 S 10th
Filippone, Vincenzo, 415 5th
Fredericks, Geo. J., 168 Parker
Frey, Wm. H., 267 Rose
Freygang, Richard, 330 S 10th
Froehlich, Geo. A., 100 N Munn av
Garrabrants, A. J., 232 E Kinney
Garrigues, Milton S., 22 Norfolk
Gatchell, Albert N., 304 Sussex av
Gibson, Theodore G., 75 New
Guthrie & Hogan, 387 Sumner av
Glassner, Saffner & Silverman, 828 Broad
Gould, D. E., 152 Badger av
Gould, Henry D., 36 Clinton
Grimm, Joseph, 206 14th av
Guarino, Francesco, 20 Dreft
Guerin, Isaac B., 23 William
Guerin, Richard B., 55 Astor
Haas, Louis, 76 Wall
Hammel, John, 181 Van Buren
Harrison Cons. Co. (Large), 837 Broad
Hastings, Frank, 72 Orchard
Hedden, Charles M., 273 Halsey
Hedden, V. J. & Sons Co., 431 Ogden
Hedden, Wm. E., 24 Warwick
Heinrich, Geo. A., 112 Badger av
Hendershot, Theo. D., 2 Court
Herrman, Theobold, 570 S 12th
Heyeck, Wm. 43 19th av
Hirst, James H., 790 S 19th
Hopkins, Robert L., 91 S 19th
Hopper, Daniel, 199 Woodside av
Husk, Lewis E., 98 Delavan pl
Isetts, Walter E., 186 Johnson av
Jacobus, Geo., 190 2d
Jacobus, Jas. W., 54 Irving
Johnson, Horace C., 414 Washington
Johnson, S. P. & Co., 43 Camp
Jones, Wm. C., 223 Roseville av
Kilgus, Fred., 13 S 6th
Kirk, Geo., Jr., 520 3d
Kleeman, A. E. & Son, 493 S 10th
Kleissler, Christian, 92 Barbara
Kraemer, Aug., 646 S 13th
Landgraf, Geo. & Son, 154 Chadwick av
Lanning, Jas. W. & Son, 118 Market
Laughlin, Frank P., 60 New York av
Lonegran, Jas., 209 4th
McCarthy, John, 169 Sussex av
McOue, Francis F., 84 Harper
McOurdy, Wm. A., 806 Ridge
McPeek, Frederick P., 275 N 6th
MacDougal, W. S., 44 Gould av
Maier, Christian, 386 S 20th
Matthews, James J., 55 3d
Maul, Gustave F., 780 S 18th
Mears, Luke & Son, 319 N 6th
Meisel, Chas. A., 357 13th av
Melville, Wm. W., 641 Ferry
Merrill, Geo. M., 27 Wright
Merz, Simon, 12 Bremen
Mickens, Ludlow, 160 Sylvan av
Midland Contracting Co., 11 Clinton
Miller, Aaron W., 14 Essex
Miller & Sons Co., 33 S 13th
Milone Construction Co. (Not Inc.), 164
Mueller, Chas. J., 765 Hunterdon Market
Mueller, Rudolph, 816 Hunterdon
Mulcahy, David B., 97 Washington av
Murray, Jas., 91 Parkhurst
Neuhaus, Frederick, 567 S Orange av
New Jersey Contracting & Engineering Co., Badger av c Bigelow
Nicklas, Geo., 271 Chadwick av
Oakley, E. I., 18 Walnut
Oberle, Joseph, 33 Peshine av
Obner & Reichert, 75 N 14th
Oliver, Edward O., 194 Marclay
Oschwald, Joseph (Large), 118 Market
Otto & Zusi, 779 Hunterdon
Parker, Lewis Building Cons. Co., 40 La-
Parker, Wm. C., 15 Wright fayette
Patrick, Robert N., 57 Halleck
Peter, Jacob, 127 Frelinghuysen av
Peter, Lucas, 92 Niagara
Pewtner & Co., 631 Hunterdon
Pfeifer, Matthias, 89 Barbara
Picot, Philip J., 57 Columbia av
Pierson, Fred. L., 61 Wright
Pruden, Ford K., 45 Clinton
Renner, Herman, 12 Gareis
Reynolds, Thomas, 865 S 19th
Rhodes, Chas. K., 64 Avon pl
Riddle, John H., 278 S 9th
Rizzolo, Donato, 10 6th av
Rizzolo & Rizzolo, 11th nr Chester av
Robinson, Jas. E., 274 South
Roehrick & Strecker, 78 Ann
Roh, Robert, 208 S 7th
Roll, Chas. W., 79 Bleecker
Sanford, A. E. Co. (The), 158 Passaic
Schaefer, Wm., 786 S 18th
Schaedel, Charles & Bro., 118 Bruce
Schnejder, Herman C. Building & Cons. Co.,
Schneider, Ludwig, 460 E 10th 500 15th av
Schoner, Edw. D., 75 Green
Schoonover, Abram D., 256 Market
Schubert, Joseph C., 364 S 11th
Schweickert, Gebhardt, 106 14th
Shanley's, B. M. Sons Co., 859 Broad
Sharwell, William G. &. Co., 320 N 6th
Shaw, Jas. S., 85 Chestnut
Shaw, Jno. W. & Son Co., 351 S 9th
Siebrecht, Conrad F., 271 Fairmount av
Staeger, Oscar & Sons, 448 S 9th
Skellenger, P. H. & Co., 16 S 8th
Smith, Frank R., 94 Clay
Snyder, Frank W. Contracting Co. (Not Inc.), 372 Grove
Sommer, Joseph, 51 Winans av
Sutphen, Court V., 16 Herbert pl
Terhune, Frank A., 668 Mt. Prospect av
Then's, Louis Sons, 13 Barbara
Thornworth, David, 26 Nye av
Townley, Wm. H., 161 Elizabeth
Trautwein, Gottlob, 111 Peshine av
Trivett & Walters Co., 7 Bond
Tromans, Alfred, 1126 S Orange av
Tucker, Franklin P., 84 New York av
Tunstead, Geo. S., 222 Norfolk
Utter, Frank N., 10 Elizabeth av
Van Cleaf, Chas., 86 Oraton
Vanderhoff, Myron E., 533 Hawthorne av
Vanderhoff, Peter & Sons Co. (Large), 285
Van Ness, John H., 158 Jefferson Broad
Varley, George & Sons, 29 Hudson
Vliet, Jno. W., 85 Academy
Volker, Andrew, 417 Grove
Voohis, Geo., 359 Woodside av
Vreeland, Frank, 35 Silver
Waldron, Edward M. & Co. (Large), 84 S 6th
Weber, Jacob, Jr., 13 Bremen
Willetts, Enos, 458 Jelliff av
Winterbottom, Theo. L., 909 Clifton av
Winterbottom & Van Houten, 148 N J. R R
Wittel, Jacob, 432 Bergen av
Wlasak, Alois, 16 Gareis
Wolf, Henry, 318 Elm
Wolff, Wm. C., 198 Clinton pl
Wonderly, W. F. & Co., 252 N J R R av
Young, H. M., 35 Essex
Zeliff, John, Sherman, 11 Hinsdale pl
Zwigard & Schroverer, 524 Bergen

NEW BRUNSWICK—Board, Lewis, 126 Easton
Brower, Jos. F. av
Hendricks, John & Sons, 268 Seaman
Hendricks, Peter H. & Son, 288 Redmond
Holman, J. & T., 180 Townsend
Jelin, Abraham
Kerwin, John F, & Co.
Leary, Wm. E.
Manly, Andrew T., 12 Easton av
Moran, Patrick J.
Oliver, H. V., Contracting Co.
Rule, George B., 71 John
Sylvester, Chas. C., 177 Redmond
Van Sickle, Wm. H., Jr.

NEWTON—Walker, Geo. A. (Large)

NUTLEY—Ackerman, Henry
Bross & Keyser
Carter, Chas. H.
Cueman, A. & S.
Kierstead, Lester
Mutch, Jno.
Norman, Walter
Stager, Arthur
Wieman, Jno.
Whitfield, H.

OCEAN CITY—Bourgeois, Geo. A. & Son
Carson, Leander S.
English & Johnson
Marts, John
Scull, Allen
Steelman, Jacob C.
Stetzer, Chas. L.

ORANGE—Anderson, J. S.
Attridge, Thomas
Berryman, John, 7 Alder pl
Brennan & Finnegan
Carhart, Hennell, 26 Stetson, O. V.
Clark, Wm. W.
Conners & Fistin
Coyne, Chas. F., 132 Day
Davis, John L., 8 Freeman
De Coster, Chas. H.
Dodd, Chas. E. Co., 249 Main
Driscoll, John F.
Edwards, Wm. F. & Co.
Essig, John
Everett, John B., 11 Elm
Finneran, Bernard, Jr.
Fraser, John G.
Frey & Porter
Gasner, Jos. F.
Hickson, Wm. T.
Hoffman, J. A. & Sons
Kearns, Patrick
Kotse, Frank C.
Lightholder, John & Son
McCloskey, Charles A., 87 Lakeside av
McDevitt, Andrew
McElnea, Henry
Meeker, C. B.
Maloney, Frank A.
Morlock, Sebastin, 19 N Jefferson
Mount, Thomas A.
Neil, Chas., 94 Watchung av
O'Connor, M. J.
Oakley & Roberts, 211 White
Pearce, George, 203 Tremont av
Pearson, Alex. E.
Preiss & Co., 127 Essex av
Sau, G. S.
Sickler & Vreeland, 200 Scotland
Soveral, Howard S.
Thatcher, Norman H., 164 Alden
Wallman & Co.

PALMYRA—Hall, Geo. W.
Headlington, Wm.

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Shade, Jno. W.
Shanner & Miller
Sherman, Stewart L.
Wallace, Samuel C.

PASSAIC—Altieri, Michael A.
Anderson & Petterson
Baker, Garrett
Barker, Adrian
Berridge, Building Co.
Boon, Meindert, 164 Jackson
Brendel, John
Bush, Hubert, 90 Lincoln
Cauceloni, Calogero & Son
Coman, M. J., 30 Bloomfield av
Conant, Warren F.
De Vries, Daniel, 229 Hope av
Genco Bros. & Co.
Gottlieb, Louis
Hetteman, Harry A., 237 Summer
Holster & Martin
Jacobson, Wm.
Kanter, Abraham
Kantrowitz, Davidson & Co.
Kevitt, Edward N. Co.
Klapmuts & Co.
Mastenbrook, Ira
Maybury, Jas. & Son
Roosman Bros., Highland av
Skvaria, Jno.
Smith, Henry
Smith & Co.
Snoop Bros.
Swenson Bros. Building Co.
Totten, Albert, 16 Academy
Union Building & Cons. Co., 237 Main
Vander Vliet Construction Co.
Vander Vliet, Marinus
Woods, John

PATERSON—Adshead's Geo. Sons, 158 Van Houten
Atkinson, Jno., 194 17th av
Bailey, Wm. H., 128 Vreeland av
Becker, Chas., 260 Atlantic
Blauvelt, Augustus, 150 Governor
Bosland, Martin, 145 N 1st
Brandes, Lambert, 131 E 16th
Breen, Leonard Building Co., 45 Lowe
Cisco, Geo. W.
Comdon, M. H. & Sons
DeRonde Bros., 21 Hopper
Dickinson, Andrew & Co., 82 Goodwin
Eelman, John, 850 Market
English, Samuel S.
Ferguson, Jno. W. Co., United Bank bldg
Fredericki, Antonio
Gardenier, Jno., 219 Water
Gery, Jno., 60 Montgomery
Gleek, Albert, 63 Garfield av
Globe, C. W., 73 Franklin
Gutherson, W. T., 103 Goodwin
Hamilton, Job
Hartley, Jno. S., ft of Van Houten
Henry, David Building Co., Main
Holtsma, Peter, 257 E 23d
Hook & Tanis
Houman, John, 37 Clark
Jackson, Frank R.
Jackson, Geo., 1057 E 19th
Jacobus, Chas. G., 525 Totowa
Jersey, Theodore, 156 12th av
Kavanaugh, Edw. A., 53 Cortland
Kay, James E., 95 Haledon av
Kell, Jos., 261 Marshall
Kelliher, Hugh, 141 Martin
Knott, Jacob J., Sr., 219 Clinton
Kort, Martin, Jr.
Kramer, Philip
Lee, John R.
Lynch, Michael Construction Co.
McKiernan & Bergin, 1st National Bank
McLean, Alex.
Marley, Francis J.
Merserean, Chas. H. Building Co. (Not Inc.)
Moshier, Stephen H., 94 Albion av
Murray, Francis P. & Son, 109 Bond
Pettit, Felix O.
Pittet, Felix G. Co.
Platt, Wm. L. Cons. Co., Norwood bldg
Prall, Leonard W., 3 Jane
Purdy, Benj., 258 Governor
Quackenbush, David E., 11 Crooks av
Quigley, Jno. J., 034 Main
Rhind, Building Co., 215 Paterson
Riley, Jos., 151 Van Houton
Ritchie, John J.
Rooney, Jos. J.
Sanford, Leonard
Schaub, August, 51 Goodwin
Schwarz, Henry Building Co., 336 Getty av
Sikkelee, Nau Building Co.
Smith, David F.
Stam, Peter, 146 N 7th
Strait, Warren N., 130 Marion
Tanis, Nicholas, York av c Lafayette
Thompson, Stephen, 998 E 24th
Troost, Martin
Van Alstine, Alex. H.
Van Buiten, Jno.
Van Den Bree, Arthur
Vanderbeck, J. R. Co. (Not Inc.)
Van Houten, Adrian G., 130 N Main
Van Houten, Wm. H. H.
Van Ness, Jas. S. & Son
Van Ostenbredge Bros., 278 6th av
Van Wyck & Kievit, 128 E Holsman
Veenstra, Conrad
Verduin, Abraham, 138 E Holsman
White, James
Zabriskee, Elmer E.
Zeliff, Daniel P.

PERTH AMBOY—Christensen, C. C.
Christensen, Fred. Construction Co.
Crouse, Ira E.
Dahl & Dressler Realty & Construction Co.
Dayton, S. & Son
Dimond, Tube
Dinesen, M. J.
Donehue, John C.
Dressler, Leo
Graham & McKeon
Greisen, Hans
Hansen, Martin
Henderson Bros.
Hoagland, Abraham & Son
Jost, Gustave
Kaas, Peter A.
Kelliher, Hugh
Koyen, Emil
Koyen, Jens P.
Meagher & Smith
Mercer, Geo. W. Construction Co. (The)
Momberg, Martin
Mundy, Chas. A.
Olsen, Soren C.
Ostergaard, Iver C.
Overgaard & Nelsen
Peterson, Peter
Seyler & Welker
Smith, Annus
Woglum, Jas. H.

PLAINFIELD—Abbott, John, 418 W Front
Apgar, Walter
Beck, Louis F. C.
Bird, Wm. D.
Brock, Construction Co.
Brokaw, Wm., 661 W Front
Burke, Thos.
Cain, Bryant R., 17 Grandview av, N P
Dawie, Jas P.
Doane, Chas. E.
Hartfelder, Geo.
Hulbert, Ira G., 1136 W Front
Kirch, Wm. H., 66 Duer, N P
Laury, Titus, H.
McInerney, F. T.
Manhattan, Jas. W.
Manning, Jas C.
Milline, Alexander
Milline, John C.
Moore, Oscar A.
Mundy, Jno. W., 43 Summit av, N P
Nielson, C. & Son
O'Keefe, Michael D.
Pangborn, Wm. H., 57 Chatham, N P
Ramshaw, John W. H.
Smith, Wm. C., 48 Grandview av, N P
Snyder, John H.
Speer, Jno. H. B.
Tallamy, B. F. & Bro.
Tallamy, Wm.
Van Arsdale, Richard B.
West, Ira. N.
Williams, Seaman
Wilson, Chas. M., 206 W 6th
Wyman & Haberle

PLEASANTVILLE—Adams, Chas. S.
Adams, Winifield
Collins, Chas.
Cuff, Chas. H.
Lafferty & Turpin
Yates, James

PRINCETON—Gill, Jno. P.
McCarthy & Sons Co.
Stillwell, S. H.
Warren, Benj. R. & Sons

RAHWAY—Ayres, Frederick
Heath, Geo. W.
Muddell, David I.
Sherwood, Joseph & Bros.
Voorhies, David W.
Weldon, Contracting Co.
Wilke, John

RARITAN—Hickey, Philip A.

RED BANK—Bryan, Frank C.
Davis, O. E.
Earling, Johnson & Frake
Finkel, Frank
Gaunt, Samuel M.
Hercules Construction Co.
Matthews, Ambrose & Co.
Minugh, Elwood
Sewing, Geo. N.
Scott & Scott

RIDGEFIELD PARK—Johnson, Ferd.
Niehaus, August
Niehaus, Herman

RIDGEWOOD—Christopher, J. H. (Large)
Estes, Harry E.
Hubschmitt, A. T.
Phillips & Sons
Walthery, Henry F.
Zabriskie, P. L.

RIVERSIDE—Arndt, Geo.
Scheley, Geo. L.

RUTHERFORD—Ahrens, Claus & Co.
Brower, Henry & Son
Colonial Construction Co.
Ellis, Chas. B., Jr.
Gunther, Frans
Hackett, Augustus T.
Rusk, Hugh R.
Van Roden, Frank
Winkel, Wm.

SALEM—Bell, Jos. (Planing Mill)
Brandiff, Robt. A.

SOMERVILLE—Barras & Smith
Conners, Wm. & Son
Cramer, Chas.
Dalley, Wm.
Gunzelman, Fred.
Hardgrove, Wm. (Large)

SOUTH AMBOY—Munday, Furman W.
Munday, Oscar M.

SOUTH ORANGE—Barrett, Jno.
Becker, Henry & Son
Gascoyne & Odell
Halsey, I. Whitney
Palmer, Ludwig
Reeve, Wm. W.
Shiels, Archibald
Van Iderstine & Odell, 11 1st
Whitthun, Jno. H.
Young, Peter Y.

SUMMIT—Cain, Isaac S.
Campbell, G. W.
Chandler, A. B.
Coffee, Thos. J.
Fagnani, A.
Gilchrist, David D.
Helms, E. W. & Co.
Jilson & Faulkenberg
Lum & Shipman
Nelson, Frank A.
Owens, James G.
Pefect Construction Co.
Post, Wm. S.
Reeve, W. A. G.
Smith, Wm. H.

TOMS RIVER—Harris, A. Judson

TOWN OF UNION—(P. O. Wheehawken)
De Riso & Rena
Walker, Wm.

TRENTON—Barlow, J., 130 W Hanover
Benson, G. E., 220 Butler
Bugbee, Newton A. K. & Co.
Case, A. J., 249 Jackson
Clayton, I. H., 264 Bellevue av
Cubberly, Daniel I.
Decknert, Stephen
Donegan, Thos. F.
Donnelly & Welsh
Drafter & Cotter, 5 2d
Dugan, Daniel A.
Egan, Jas.
Freedman, Louis
Lanning, J. W. (Large), 314 N Broad
Lawton, Lewis & Son, Broad St. Bank bldg
McGovern, W. F.
Martin, Jos., 220 N Warren
Mather, S. W., 30 S. Clinton av
Michalls, John T. & Geo. B.
Mordaunt, John E.
Morgan & Gibbs
Morris, W. J. & J. H., Broad St. Bank bldg
Newton, Richard
Reeger, Edward, Broad & Jay
Rickey, Swann Co.
Roebling Construction Co.
Schaefer, Wm.
Trier, Jos.
Voorhees, Ashley C., 592 Brunswick av
Walling, C. H.

VERONA—Jacobus & Farrand

VINELAND—Allen, William E.
Dawson, Walter
Deyo, Daniel J.
Foulk, Walter L.
Nutt, Philip
Pasquale, Jas.
Turner, John

WASHINGTON—Deremer, James P. & Sons
Lance, Archie

WEEHAWKEN—Cavanagh & Hegney
Roman, Otto E.
Weehawken Contracting Co.

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WESTFIELD—Baker, Frank R.
Cash, John H.
Clark, Aaron B.
Frazee, Jno. H.
French, Chas. H.
Goltra, John Q.
Howarth, Wm. F.
Jimerson, W. S.
Ledley, John
Moffatt, James
Moffett, Joel
Stiles, A. W.
Wilcox & Pope
Winters, S. D.
WEST HOBOKEN—Adriance, Franklin
Bone, Herbert
Bove, Hubert
Capone & Frost
De Risso Bros.
Dopslaff, Gustave
Ermeti, Achille
Murphy, Joseph
Schall & Schreiber, 21 Browning pl, N B
Schneider, Henry M., 713 De Mot
Summit Contracting Co.
Tortora, Antonia
Waldrons, H. F. & Co.
WEST LONG BRANCH—(See Long Branch)
WEST NEW YORK—Gerish, John C.
WEST ORANGE—Banister, De Witt
Damato, A.
Dobbinson, Lawrence, Whittlesey nr Chestnut
Dodd, Geo. S.
Drummond, Thos.
Flemming Bros., 10 Watchung av
Hansen, John C. & Son, 10 Joyce
Hay, Wm. A.
Hays, Frank B., 15 Whittlesey
Kocher, Chas. E.
Miele & Bruno
O'Connor, F. & A.
O'Rourke, John
Vogel, Adolph
Wolf-Jilson-Douglas Co.
WOODBRIDGE—Coddington, Jonas
Lee, F. Randolph
McEwen, Jos.
Treen, John, Jr.
WOODBURY—Allen, Thompson
Best, Joseph B.
Henry, Albert (Brick)
Henry, Edw. P.

NEW MEXICO.

ALBUQUERQUE—Anson, A. W. (Large)
Strong, W. W.
EAST LAS VEGAS—Sundt, M. M.
FORT BAYARD—Harlan, J. A.
SILVER CITY—Black & Atkins
Manville Bros.

NEW YORK.

ALBANY—Bell, Thos, 216 N Pearl
Bermel, Peter, 797 Madison av
Burdick, G. D., 344 Hudson av
Carr, Stephen A. & Son, 346 Hudson av
Cassidy & Gallagher, 68 Park av
Coleman, Patrick K. & Son, 15 Warren
Collins Bros., Bensen bldg
Cook, Asbury, 197 Elk
De Tiere, F. J., 76 Grand
Dollar, Frederick J.
Dyer, Jno., Jr., Albany Co. Bank bldg
Fahrenkopf & Ruefle, 120 Franklin
Feeney & Sheehan (Large), 160 Montgomery
Filkins, Chas. E., Capitol
Finkle, C. J. & Son
Finn, J. J. & Son 75 N Boulevard
Gander, Anton, 14 Osborne
Gick & Sayles, 264 Hudson av
Hahn, Chas. L.
Havens, Elmer H. Bldg. Co., 92 Madison
Keeler, Peter Bldg Co. (Large), 464 Orange
Keeshan, Dennis J., 117½ Elk
Lebuis Building Co., 7 Trinity pl
McCaffrey & Hughes, 797 Livingston av
McCann, Patrick, Dove c Sheridan
Maas, Jno. J., 236 Sherman
Menges, Henry, 562 Clinton av
Nicol, Wm. C., 97 Second
Nolan, Jas. C., 357 Orange
Pattinson, Jas. W., 269 2d
Reilly, Wm. F., 52 S Hawk
Rossner & Son, 284 Madison av
Ryder, M. L. Building Co., 356 State
Schneider, Jos. M., 163 Madison av
Sewell, R. P. & Son, 37 Morris
Smith, Philip H., 317 Lark
Smith, A. E. Co.
Stephens, Thos. & Sons, 275 Lark
Waldbillig, Frank, 425 1st
Waldbillig, John B., 425 1st
White, Jas. H., 171 Myrtle av
Wickham, Richard, Jr., 25 2d
Young, Henry, 393 Hamilton
AMITYVILLE—Ketcham, Milford H.
AMSTERDAM—Clemens, Chas., Caroline c Division
Cavey, Wm.
Dessau, F. W.
Doty, C. E.
Fick, C. E.
Grieme, Hy. W., 39 Bridge
Jones, John B.
Kane, Thos. F.
Lasher, J. D.
McNeil Mfg. Co. (Not Inc.)
Machold, C. B.
Madden, Dennis
Mallia, John
Mohawk Contracting Co.
Reed, H. L.
Rogers, H. C.
Slater, Geo. F.
Sweet, Garrett E.
Terwilliger, Geo. P.
Turner, Jno. J., 53 Union
Wright, Geo.
AUBURN—Barnes, W. B. & Co.
Cayuga Contracting Co.
Koon, E. B. & H. J.
BABYLON—Burton, Chas. W.
Howell, Elmer W. (Large)
Kellum, Henry J.
Ketchum, W. A.
Rogers & Blydenburg
Van Weelden, H.
BATAVIA—Buckholtz, John & Son
Cummings, J. C.
Dellinger, E. J.
Ditzel, Philip
Glade, Jno. (Large)
Homelius, H. W.
Howard, M. M.
King, Asa
Manning, John (Plasterer)
Pickert, Jno.
Savacool Bros.
Schafer & Lochnicht (Brick & Stone)
Uphill, J. L.
Wade & Uphill
Waterman, A. J.
BATH—Clough & McChesney
BAY SHORE—Farley, Thos.
Hein, Jos.
Jones, W. R.
Kirkup, Chas. E.
BINGHAMTON—Badgley, A. E.
Balcom, Geo. N.
Binghamton Construction Co.
Carman, A. B.
Carrington, S. H. Co.
Ford, M. I.
Mitchell & White
Moffatt Bros. (Large), 22 Lewis
Moore, R. H.
Nearing, J. B.
Newing, Wm. J., 62 Walnut
O'Neil, Jas.
Owens, M. A.
Shirley & Simpson
Wheeler, G. B.
BROCKPORT—Cleveland, M. A. (Large)
Heinrich & Vineyard
BROOKLYN—(See New York City, Borough of Brooklyn
BUFFALO—Adams, R. O., 67 Preston
Albrecht, John, 167 Grace
Alderman, Fred., 213 W Utica
Allespach, Michael, 82 Northampton
Allison, J. F., 50 Plymouth av
Anderson, Hans J.
Arend, Henry
Baker & Fisher
Barnum, Chas. O.
Barnwell, C. P., 398 14th
Barrows, Chas. P., 81 Lafayette av
Batt, Chas. A., 38 Northampton
Battel, Thom. F.
Baxter, John W., 291 15th
Baynes, Henry T., 17 Riverside av
Beaser, Andrew B., 72 Sanford
Beck, Frederick F., 585 Forest av
Bellance, Joseph, 22 Morgan
Bender, Daniel, 17 Bender pl
Benner, Wm., 395 Pratt
Bernhard, John C., 283 Leroy av
Bernhard, Philip, 145 St. Louis av
Berrick's, Chas. Sons (General), 1151 Main
Bettendorf, Wm., 191 Glenwood av
Bieber, Henry H., 528 Walden av
Bingel, Conrad, Jr., 618 Oak
Black, Wm., 18 Maynard
Blacklock, J. G., 977 Grant
Boehme, Frederick, 250 Woltz av
Booth, A., 13 Bremen
Boseck, Otto M.
Bournique, A. F., 994 Fillmore av
Bowers, E. J., 23 Copeland pl
Bowers, John
Brady, John J.
Branch, John
Branch, Peter
Braun, Chas., 339 Mills
Breidenstein Bros., 84 Edson av
Bremer, Frank, 107 Vanderbilt
Brown, A. B., 319 Normal av
Brown, Thos. Contracting Co., 1135 Niagara
Brown, Wm. W., 1183 Seneca
Brown & Voelker
Burke, M. J., Prudential bldg
Burke, Wm. H. & Bro., 696 Ellicott sq
Caldwell, Robert W., 25 Park Ridge av
Carter, Geo. W. & Sons' Co., 25 Builders' Exchange
Chabot, Frederick G., 272 Glenwood
Chadeayne, Geo. H., 217 Mutual Life bldg
Chase, Jas W.
Chilcott, Walter, 711 S Park
Christensen, Andrew, 40 Littell av
Christensen, John L., 11 Olsen
Churchyard, Jos. J. (Also Planing Mill), 648 Clinton
Cieslinski, Stanislaus, 175 Sobieski
Claxton, A. H., 17 Glenwood
Coatsworth, W. F., 79 Milton
Craine, J. A. & Co., 251 W Ferry
Craine, Robert C.
Crocoll, Chas. F., 721 Hopkins
Cutler, W. E., 150 Lancaster av
Czaplicki, Frank, 15 Titus av
Dark & Co., 654 Main
Duchscherer, Philip, 340 Massachusetts av
Feist, Jno. & Sons (Also Planing Mill), 115 Ash
Flieri, Christian, 1356 Genessee
Forback, Christian, 204 French
Frank, Chas.
Frank, Geo. E., Builders' Exchange
Dawson, W. H., 398 Baynes
Dean, Geo.
Dean, Henry, 1518 Fillmore av
De Freis, John, 476 High
Dembinski, Frank
Dietrich, Rudolph
Dill, Wm. H., 116 Southampton
Dobbins, Jas. M., 63 Thoma
Donaldson, Geo. S., 24 Norwood av
Dorer, Henry C., 89 Southampton
Drake, W. S.
Drescher, Chas. A. & Co., 510 Glenwood
Dunn, Emanuel, 462 Humboldt parkway
Dwyer, J. W. & Son, 875 Ellicott sq
Eberhardt, John H., 284 Potomac av
Eddy, D. N., 336 Goodyear av
Ehrmann, C. J.
Einach, E. D.
Ellenwood, Jas. D., 337 Ellicott sq
Elliott, Geo. F., 136 Dearborn
Engler, August, 184 Landon
Erckert, Albert A., 986 Fillmore av
Erie Construction Co.
Everitt, Chas. H., 295 Auburn av
Ewald, Michael
Eyre-Shomaker Co.
Farr, Henry L.
Farthing, Geo., 12 Maynard
Fatta Bros., 115 Front av
Ferris, Wm. M.
Fillinger, John J., 54 A
Fisher & Franklin
Fite, Romain, Tryon pl
Fitzgerald, Wm. S., 313 Front av
Frey, Geo., 231 Glder
Friedman, F. J. & Son, 38 Fox
Fromwiller, Geo., 56 Hartman pl
Fronekowiak, Anton
Fulton, Wm. F.
Galbo, M., 178 Front
Garvey, Fred. H., 8 Burch av
Gangnagel, Jacob A.
Gangnagel & Froelich
Gelger, John, 481 7th
Gibbons, J. G. & C. L., 1069 Niagara
Gibbs, J. W., D. S. Morgan bldg
Giegle, Louis A., 260 Adams
Gies, Edward, 429 Dearborn
Gipp, Louis H., Cons. Co., 531 Ellicott sq
Gould, C. B., 458 N Ogden
Graesser, Herman C., 649 Eagle
Grain Storage Cons. Co., Mutual Life bldg
Grant, Thomas, 356 Rhode Island
Great Lake Cons. Co., 1117 Chamber of Commerce
Grefe, Wm., 22 Pomona pl
Grenzebach, John E., 75 Edson
Griefenstein, John H., 61 Lemon
Grimm Bros.
Gruner, H. A., 52 Eaton
Grupp, Edward & Son, 51 Riley
Habicht & Zimmer
Haest, E. R., 1705 Main

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Hagelberger, Henry J.
Hager, Edw. M. & Sons Co. (Also Planing Mill), 141 Elm
Hall, Thom. R., 446 De Witt
Halliday, James H., 18 Chester
Halliday, R. D., 585 E Ferry
Hankin, Robert F., 228 Riley
Hann, Louis F., 562 Best
Hansel, F. G.
Harbrecht, Louis, 368 Connecticut
Hamm, Adam, 1228 Genesee
Harder, Henry, 287 Northampton
Harriman, Benj., 90 Chenango
Harryman, E. B., 315 Brisbane bldg
Hartman & Noblet
Harty, Jno. P. Sons, 344 Niagara
Hasselbeck, Jacob, 971 Walden av
Hauck, Geo.
Heckadon, Samuel, 52 Tryon pl
Hecker, Henry, 206 Dearborn
Heiss, Christian, 1872 Clinton
Helbling, John Geo., 53 Pratt
Held, Alexander, 594 Sycamore
Helffenstein, Geo. J., 75 E Parade av
Henderson, Alex., 41 W Huron av
Henrich's, Wm. Sons, 193 Spring
Hermann, Frank L., 255 Riley
Hepfer, Christian, 286 Fillmore av
Hibbard, F. W., 316 N Division
Hicks, Geo. W., 1 Kellogg
Highham, Berner Construction Co.
Hoag, Jas., 916 Fillmore av
Hoecsh, J. G., 426 High
Hoelsher, Theo., 25 Morton pl
Hoffmeyer Bros., 308 Dearborn
Horton, D. E., Cons. Co., 50 Exchange
Houlzhousen, Peter, 1019 Lovejoy
Huber, John J., 750 Elmwood
Hudson, C. G.
Hudson, Matthew J., 131 De Witt
Hughes, Geo. M., 211 E Utica
Hurley, Wm. & Co., 426 Marilla
Ignatz, Geo., 128 Fox
Ireland, Gilbert, 210 Ashland
Irwin, W. M., 136 Chenango
Jakiel, J. M.
Jennings, W. S.
Jepson, Mason & Co., Erie Co. Bank bldg
Jochin, Peter, 220 Johnson
Johengen & Walters
Johnson, J. P., 85 Lilac
Jones & Carr, 136 Delaware av
Karcher, Henry J.
Karl, John, 26 Durrenberger pl
Kempf's, Geo. Sons, 99 Locust
Kimble, Thom. J.
King & Kurtz
Kirchgasser, John, 245 Watson
Klagdler & Durn
Klaus, Chas., 200 Box av
Klein, Jacob, 170 Lafayette av
Klopp, Jno. F., 477 Norwood
Kobel, Geo., 1325 Genesee
Koch, Wm. C., 325 Benzinger
Koch, Wm. F., 19 Davey
Kopperman & Hall, 866 Lafayette av
Kramer, Peter, 120 Walden av
Kruger, Max, 33 Sherman
Krender, Conrad
Kreuger, C., 116 Davey
Kuhrt, A. O. F., 50 Edna pl
Kurth, Chas. L., 495 Northampton
Lably, Peter J.
Labunski, Joseph, 218 Cable
Lacroix, Julius, 42 Pleasant pl
Ladowska, August, 238 Rother av
Lamb, Albert F.
Lanctot, H. H. & Sons, 303 Ellicott sq
Lang, Oscar S., 174 Norwalk av
Lannen, Jno., 667 Oak
Lauffer, Geo.
Leary, Jeremiah, 257 Walden av
Leggett, Wm. A., 52 West av
Lehman, Edwin W., 516 Woodlawn av
Leman, Geo. D., 108 Rodney av
Lennon, John, Son & Co., 370 Prospect av
Lenz, Frederick, 145 Moselle
Lenz, H. & Son, 802 Genesee
Lenz, Jno. A., 355 French
Leseman, Robert
Lescher, Albert, 267 Barnard
Leverance, Andrew, 137 Lafayette av
Liedy & Botsford
Little, Alfred, 42 Carlyle av
Little & Metzger, 2180 Seneca
Love, Thos. J.
Luedeman, Fred., 510 High
Lutzmann, Chas. E.
McCormack, Wm. V., 1840 Clinton
McDermott, Patrick Wm., 263 Breckenridge
McDonnell & Sons, 858 Main
McLeod, D. L.
Magner, Edmund L., 998 Ellicott sq
Mahley, C. J., 333 S Division
Mahoney, D. J., 348 Winslow av
Maltby, Geo. W. & Son, 21 Maryland
Martin, John & Son, 186 Adams
Marsahm, W. F., 38 Triangle pl
Mathewson & Parsons, Law Exchange
Maurer, Chas.
Menges, Wm., 2335 Genesee
Menth, G., 31 Walden av
Metz Bros., 334 Landon
Metz, Joseph & Sons (Also Planing Mill), 292 Elm
Metz, Wm. F., 146 Sherman
Metzler, Fred., 227 Ludington
Miller, Edward R., 496 Northampton
Miller, Ernest F., 236 S Hampton
Miller, Fred. C., 287 East
Moeller, Edward H., 375 Pearl
Morley, Wm. H.
Morningstar, Geo., 2095 Niagara
Mumm, John, 176 Best
Murphy Bros.
Myers Bros.
Nachtrieb, J. G., 73 Goodrich
Nagel, Chas. J., 225 E North
Nash, Wm., 106 College
Nease, Samuel, 34 Eugene
Neumann, Joseph, 675 Riley
Niederpruem Co., 72 Kingsley
Noblett & Hartman
Notarantonio, Jas V.
Nowak, Stanislaus, 200 Gibson
Olmsted, Wm. C., 6 Arnold
Ortman, Frank C., 250 Northampton
O'Sullivan, Patrick H.
Palmer, John W.
Paris, Croce, 122 W Eagle
Parks, Geo. & Sons, 217 15th
Partridge, Geo. W., 341 Hampshire
Paschke, E. M.
Peacock, Wm. W.
Peggie, Thomas, 108 Popular av
Pellman, H. F., Mutual Life bldg
Petit, Frank A., 59 Alexander pl
Pfister, Chas. J., 547 Michigan
Post, Herman A. R.
Powers, Walter, 125 Greene
Pugell, John, 207 Loepere
Quinn, Jos., 87 Virginia pl
Randall, W. J., 145 Potomac av
Ranney, Geo. F., 2354 Main
Rappich & Culliton, 2293 Main
Rassler, Hugo, 9 Frederick pl
Rauth, John, 177 Barthel
Reardon & Weyand, 2163 Seneca
Reece, Henry J., 1251 West av
Rehler, Frank H., 431 Humboldt Parkway
Reinhart, John J., 1071 Clinton
Reimann, Benj., 8 Eagle
Reward Development Co.
Reynolds, F. T., 525 Prospect av
Rickert, Jacob B., 30 Villa av
Rieman, Mrs. Catherine
Rienhardt, Frederick
Rieman, Geo. H., 215 Clinton
Riemer, Adolph, 885 Clinton
Riemer, Otto
Ringer, Chas V., 107 Edna pl
Roberts, P.
Roebling Cons. Co., 96 Erie Co. Bank bldg
Rollins, Geo. L., 71 Zittel av
Roos, Edward H., 636 Linwood av
Rosenkranz, Philip J. P., 18 Sweeney
Rossler, Hugo
Rossow, C. H., 1277 Fillmore av
Rost, Victor, 32 Wohlers
Roth, August, 414 Dearborn
Ruby, Frederick A., 48 Lisbon av
Ruszkiewiez, Frank, 1293 B'way
Ryan, M. W. Cons. Co.
Saltarelli, Thos., 359 Norfolk av
Sandell, Wm. C., 608 Linwood av
Sanitary Building Co.
Sapi, A. & Son
Schaaf, Geo., 547 E Utica
Schaefer's, H. Sons (Large), 578 Elm
Schall, Emil, 1535 Genesee
Schlender, Geo. F., 2146 Bailey av
Schmeh, Anthony, 87 Briggs av
Schmidt, Wm., 98 Roehrer
Schmidt & Davis
Schultz, Geo. S., 352 Glenwood av
Schultz, Robert & Son, 37 Sweeney
Schwedt, Chas., 453 Clinton
Shamo, Joseph, 38 Essex
Shepard, Jas.
Sherman, Frank G.
Sherrell Contracting Co.
Siebert, Conrad, 380 Doat
Siener, Geo. A., 76 Thompson
Simon, Geo. H., 123 Laurel
Slater, Wm. L.
Slattery, Jas. W., 455 Pearl
Smith, M. N., 432 Vermont
Smith, Philip
Sorgi & Vannini
Spang, Joseph, 535 Madison
Spring, Geo. A., 840 Richmond av
Stabeman, Anthony, 300 Lovejoy
Stage, F. N., 1016 Lafayette av
Steinmiller, Geo., 46 W Balcom
Stesel, Henry
Stewart & Lyall
Stokes' Bros., Brisbane bldg
Strach, Fred. C.
Suchocke, Frank M., 39 Empire
Swanson, P. L.
Sweeney, Eugene, 580 Eagle
Sweet, Frank, 540 Glenwood av
Taylor, Geo. H., 228 Chester
Thiedt, Wm., 32 Bardol
Thomas, John W., 15 Duerstein av
Thomas, Richard, 297 Howard
Tilden, J. H. Co., 12 Henry
Traber, Adam
Tremaine, Wm. J.
Truxes, Jacob, 367 Rhode Island
United Building & Wrecking Co.
Usehold, Wm. J., 437 Madison
Van Every, S. M., 584 West av
Vogt, Bergner & Co. (Inc.)
Wagner, Peter
Wahl, Ernest A., 14 Fox
Waite, Geo. C.
Walker, Wm. A.
Warren, John J., 123 Vermont
Waszewski, Isadore, 475 Sweet av
Waters, Albert S., 307 Brisbane bldg
Watson, John C., 359 Clinton
Wegener, Louis H.
Weis, Albert H., 547 Riley
Wheat, Ernest, 454 Bird av
White, Arthur E., 54 Tracy
Whitelock, Isaac 304 14th
Wierzbowski, W. J.
Wilhelm, Simon, 1468 Genesee
Wilkes, Oliver C., 42 Tryon pl
Willett, Lincoln A., 394 Baynes
Williams, W. M., 142 Genesee
Wilson, C. E., 13 Lester
Wilson, John E., 884 Walden av
Wisniewski, Louis, 28 Swinburne
Wittig, A. F. & Son
Wittlief, Wm.
Wood, James
Woodhouse, Joseph, 282 Baynes
Yokom, E. O.
Young, John, 172 Tryon pl
Young, Robert, 34 Carmine pl
Youngman, C. R., 50 West av
Ziegler, Andrew & Son, 164 Edward

CANANDAIGUA—Barrett, J. A. & Son
Brown, Wm. J.
Elton, E.
Hogan, R.
Rouse, Geo. A.
Saunders, D. N.
Smith, Hugh M.

CASTILE—Elitsac Mfg. Co.

CASTLETON CORNERS—(See New York City, Borough of Richmond)

CEDARHURST—Ball, G. M.
Davison, Oliver S.
Smith, E. & Son
Vandewater, D.

CLIFTON—(See New York City, Borough of Richmond)

COBLESKILL—Karker, H. D. & Co.
Murphy, W. H.

COHOES—Archibald, Andrew, Amity nr Columbia
Auringer, Isaac M.
Reavey, Thos. A.
Buchanan, Wm. D., 29 Imperial av
Clement, Ernest N.
Dooley, Jas. J., 65 White
Goddard, Aaron
Molleur, Israel
Neary Bros. Construction Co.
Sarrault, Alfred

COLLEGE POINT—(See New York City, Borough of Queens)

COOPERSTOWN—Houck, Lafayette
Smith, John C.

CORINTH—Young, Floyd
Thomas, E. K.

CORNING—Benger, Jno., 11 Montague av
Bradley, J. C.
Corning Building Co.
Ferenbaugh, U. G.
Warner, E. N. & Son
Drehmer, H. J.
Runner, D. M.

CORNWALL LANDING — Taft-Howell Co. (Large)

CORONA—(See New York City, Borough of Queens)

CORTLAND—Beers & Warfield

DELHI—Hume, R. H.

DEPOSIT—Brokaw & Howell
Phillips, J. H.

DOBBS FERRY—Ackerman, Alonzo
Alworth, Wm.

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Creedon, Michael
Hasbrouck, Garrett B.
Lester & Cummings
Nichols Cons. Co.
Young, Arthur

DUNKIRK—Aldrich, B. F., 425 Swan
Camello, F.
Dunkirk, Mason Contracting Co. (Not Inc.)
Hubbard, Jas.
Meister Contracting Co.
Richardson, E. T.
Taylor, J. A.
Thompson, L. E.
Union Builders' Co-Operative Cont. Co.

ELMHURST—(See New York City, Borough of Queens)

ELMIRA—Allington, Jacob & Son (Large) Railroad av c 7th
Elmira Building Co., Robinson bldg
Evans, E. F., 867 Wallace av
Hathaway, Wm. W., 370 Fulton
McConnell, Chas. E.
McGreevy, McGuigan & Baum Cons. Co.
Murry, Patrick
Thurston & Haskell, 303 State
Williamson, J. C., 55 Sly

ELMIRA HEIGHTS—Buckley & Garine
Jackson & McKay

EVERGREEN—(See New York City, Borough of Queens)

FISHKILL ON THE HUDSON—Jones, Amos
Murray, James A.

FLUSHING—(See New York City, Borough of Queens)

FORT EDWARD—Clum, B. Ray
Sanderspree, C. W.

FREDONIA—Luke, John F.
Schultz & Goggin
Sly & Coddington

GENEVA—Baker, Chas. W.
Orego & Brewer
Finn, Jas. E.
Benjamin, C. K.
Frants, Wm.
Gaylord, Silas
Mulcahy, Patrick H.
Nagel, Samuel
Persons, S. F. & Co.
Schnirel, R. R.

GLEN COVE—Burns, D. R.
Lawson, W. I.
Pine, F. A.
Underhill, E. M.

GLENS FALLS—Alexander & Pepper
Finch-Anderson Co.
Gifford, Williams & Co.
McAuley, Frank W.
Potter, E. B.
Reilly & Acker
Shippey, F. P., 61 Uncas

GLOVERSVILLE—Boorman, John J., Jr.
Brace, A. E., 10 Temple
Brott, H. R. (Large)
Duell, Asa E.
Dye, John K.
Dye, Walter F.
Finkle, W. T. & J. J.
Handy, Webster, 16 High
Hays, De Witt A.
Hemstreet, J. E., 335 Hamilton
Henry, A. L., 10 Hamilton
Lair, John M.
Rumrill, Theron E.
Wager, Merritt C.
Waltamath, C. R.
Young, Abram

GRANVILLE—Norton, Alonso

GREAT KILLS—(See New York City, Borough of Richmond)

GREENPOINT—Albertson Cons. Co.
Fanning, Gilbert & Son
Hawkins, S. A.
Monsell, Isaac A. & Son
Moore, Parker P.
Wells & Butler

HEMPSTEAD—Ansell, Wm. C.
Coles, E. J.
Duryea, Benj.
Patterson, A. G.
Smith, Moses R.
Smith, E. P., Fulton

HERKIMER—Beckwith-Clinton Engineering & Contracting Co.

HIGHLAND FALLS—Dornberger & Darcy
Graber, Leo
Muller Bros. (Large)

HOLLIS—(See N. Y. City, Borough of Queens)

HOOSICK FALLS—Bootman, J. & Son

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

HORNELL—Butler, E. Y.
Miller & Gray
Roberts, H. E.
Spink, Wm. H.
Tacker, Seth L.
Wing, John H.

HUDSON—Brennen, Thos.
Cramer, Chas. C., 101 N 5th
Cruise, Thos.
Fitzgerald, John
Hester, Dennis
Van de Carr, Arthur, Jr., 328 Union
Weaver, Leander H., 518 Union

HUNTINGTON—Bunce & Holmes
Conklin, M. B.
Gallienne, Frederick
Ireland, David S.
Wauser & Lewis
Zoeller, Frank

INWOOD—Merritt & Safford

IRVINGTON—Behrens, R.
Buckhout, Sylvester
Gory, Thos.
Hunter, Alex. M. & Son
Huston, Bernard
Kiernan, Michael
Lord & Burnham Co.
Murphy, Thom.

ITHACA—McGreevy Const. Co.

ISLIP—Hobbs, A. D.
Raynor, Willis P.
Velsor, W. S.
Wright, F. S.
Driscoll Bros. & Co., S Aurora
Ithaca Contracting Co.
Sprigg, Edward

JAMAICA—(See New York City, Borough of Queens)

JAMESTOWN—Ackroyd, Asa
Anderson, A. Frank
Corrigan, A. J.
Haas, Chas. (Brick)
Johnson & Prather
Lawson, Andrew J.
Lawson, Jno.
Lindbeck, Chas.
Mahoney, John
Mahoney, Thomas
Millard, Chas. W.
Morse, C. E., 109 Winsor
Nelson Bros.
Rogerson, D. M., 41 College
Swanson, Chas. (Brick)
Washburn, Hiram
Waterman, C. A.

JOHNSTOWN—Hess, Jonah, W Main
Howarth, G. H. & Son
Nolan Bros.
Seaman, Jas., 303 S Perry
Simmons, P. M., 18 S Market

KREISCHERVILLE—(See New York City, Borough of Richmond)

KINGSTON—Costello, Wm. D., 237 W Chestnut
Darling Bros.
Dederick, A. E.
Green, W. S., 150 Fair
Gronemeyer, Frank, Sr., Mary's av
Hudler, John H.
Hunt Bros.
McCullough, Wm., 270 W Chestnut
McNamee & Rice
Mauterstock, Albert, 109 B'way
Osterhoudt, Peter C., 48 Clinton av
Powley, J. L. Const. Co. (Not Inc.)
Rhymer, Geo. E.
Weeks & Sylvester

LANCASTER—Adolf, Joseph
Bame, F. W.
Earle, H. W.
Safford, Henry A.

LAUREL HILL—(See New York City, Borough of Queens)

LE ROY—Sherman, E.

LESTERSHIRE—Decker, F. H.

LITTLE FALLS—Boyer, Horace M.
Dale's, Thos. Sons
Eagan, Chas.

LOCKPORT—Blackley, Wm. J. (Large), 54 Pine
Fogle, Jno. C.
Huston, Wm. E., Lincoln bldg
Lardner, Martin
Lentz, B. F.
McDonough, Martin J.
Mangold, John
Markley, Thomas P., 91 Mulberry
Miland, Patrick F.
Moon, John
Nottleman, Wm. H., 567 Walnut
O'Brien, Andrew M., 339 East av
Ranney & Richardson Const. Co.
Sherman, Edw. W.
Stainthorpe, C. N. & Co., 126 Main
Wille, L. C., 421 Washburn

LONG ISLAND CITY—(See New York City, Borough of Queens)

LOWVILLE—Wisner, Chas. & Son

MALONE—Murtogh, P. J.

MAMARONECK—Burger, George
Coles, S. E.
Krewett, J. F.
Reardon, Michael
Sands, Merritt
Spader, Peter H.

MARINER HARBOR—(See New York City, Borough of Richmond)

MATTEWAN—Forrestal, James

METROPOLITAN—(See New York City, Borough of Queens)

MIDDLETOWN—Bates, C. M.
Black, G. H., 5 Bonnell
Donnelly, John
Lewis & Edwards
Lovely, John A.
McWilliams, Edwin
Miller, Peter F., 38 Houston
Stever, D. D.
Haylor, C. Z., 7 John

MIDDLE VILLAGE—(See New York City, Borough of Queens)

MILLERTON—Bees & Trafford (Large)

MOUNT VERNON—Borgwald, Fred'k, 31 Pearl
Borgwald, Joachrm
Bradley, Geo. G.
Coyle Bros.
Durr, Sebastian, 318 Locust
Evans, S. T., 118 Park av
Flick, J. H. Cons. Co., 57 S 4th av
Haag, J., 11 W Sidney av
Harris, G. W., 47 Union la
Jenks & Plume
Kain, James
Kolpin, Chris., 229 N 7th av
McCaffrey, Jas. Co.
McCarten, A. J., 246 E Sidney av
Mulligan Co.
Moebus, Wm., 261 W Lincoln av
Mottola, Chas.
Nordone, Frank, 232 S 7th av
Petrillo, Bros.
Piro, James, 36 N 4th av
Reehl Bros.
Reid, Jas. M., 202 E 3d
Robinson, Harry J., 149 N 4th av
Robinson, W. J., 341 S 4th av
Sergeant, Wm. H., 139 Franklin av
Stolte Bros., 324 N 7th av
Ultcht, Albert A., 255 S Columbus av
Vernon Contracting & Cons. Co., 8 Claremont pl
Weldon, Geo., 141 Franklin av

NEWARK—Nolan, Wm. H.
Plighter, Wm.
Schattner, John S.
Van Buren, Chas W.

NEW BRIGHTON—(See New York City, Borough of Richmond)

NEWBURGH—Barclay, Robert
Burhans, L. & I. L., 62 Mill
Burton, Wm. H., 266 Water
Convery's, J. P. Sons, 134 Washington
Crevling, Whitfield, 251 3d
Dwyer & Sager
Griffin, Elias
Harrington, Jos. B., 416 1st
Harrison & Steele
Hilton, William H., 109 Front
Huddleson, Robert
Martin, W. F.
Sager, Wm., 15 William
Scott, F. A.
Stewart, Jas., 304 1st
Templeton, Jas. F., 32 Chambers
Tweed & Woodruff, 244 Front
Wheeler, H. Ambrose
White, Geo. A. & Sons

NEW ROCHELLE—Anzolut, August, Lockwood av
Bantel, M. 9 5th av
Bartnett, Michael, Old Boston rd
Booker, Marshall O., 6 Prospect
Dassler, S. W., 21 Walnut
Doherty, Michael, Old Boston rd
Doyle, John, 14 Walnut
Eckstein, Gustave, Sycamore pk
Ensinger, Louis V., New Rochelle Heights
Gahan, Jas. P., Hazelhurst pk
Kirchoff, William, Church
McCabe, John
Mahlstedt, Geo. W., North av
Murphy, Patrick H. & Son
New, J. & Son, 24 Clinton pl
Nixito, Frank
Pioneer Contracting Co., New Rochelle Heights
Reid, Thos. J. & Co., 230 Huguenot
Rivers, Anthony J., 236 Huguenot
Rivers, Philip, 98 Walnut
Robinson, Chas. T., 85 Centre av
Smith, Thos. & Son, 37 Morris
Thompson, John N., 121 Church
Walter, J. & A., 121 Webster av
Watson, Geo., Beauchamp
Wilson, S. B.

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NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Abrams & Stockton, 4824 3d av
Akerly, Hiram A., 173 Berry
Andersen, Anton, 100 Raymond
Anderson, Andrew, 5312 3d av
Anderson's, Jno. D. Sons, 950a Green av
Aner, John & Sons, 640 Lexington av
Armendniger, M. & Son, 1153 Myrtle av
Ashfield, F. J. (Large), 350 Fulton
Auer, Wm., 730 Willoughby av
Barndio, Jos., 177 Jefferson
Bauer, Emil C., 6 Stanhope
Beach, George, 86 Logan
Bell, Wm. & Son, 3d av c 93d
Bonert, Louis, 487 4th
Borough Construction Co., 44 Court
Bracken, McAveney Co., 44 Court
Briley, Arthur, 549 Macon
Brown, Henry J. & Son, 1534 Fulton
Brown, Rufus H., 1357 Rogers av
Brown, W. A. A. (Large), 738 Flatbush av
Byrne, John, 530 Dean
Calder, Wm. M., Windsor pl
Carlin, F. W. Cons. Co., 307 Washington
Carlin, Thos. G., 215 Montague Parkway
Carlson Bros., 369 Flatbush av
Cashman, Jno. J., 44 Court
Caufield, Jas. A. (Large), 469 Marion
Chapman & Ryan, 35 Lincoln pl
Chatterton, Jas. M., 472 Myrtle av
Church & Gough, Knickerbocker av c Hancock
Cieslinskie, A. J., 230 E 9th
Clarke & Stowe, 221 Greenpoint av
Cleary, Peter (Large), 235 Bainbridge
Cook, D., 71 Van Sicien av
Corbin, Jno. R. & Co., Foster av & Brighton Beach R. R.
Cranford Co. (The), 52 9th
Cranford, Chas. Foster av c 16th
Cranford & McNamee (Inc.), 190 Montague
Cronin, Barth S., 573 Clinton
Dady, Michael J. C., 350 Fulton
Deighan, James, 141 Tilden av
Detlefsen, Charles M., 6 Sullivan
Diamond, Bernard, 18 Bergen
Dickson, Robert, 208 S Oxford
Doenecke, Christian J., 216 Washington av
Doherty, John H. & Bro., 16 Court
Donlon, Thos. C., 294 Butler
Draper, Hy. C., 247 Bridge
Driscoll, George F., 548 Union
Eberle, Otto A., 10 Nassau
Eckart, F. W., 174 Huntington
Edling, Julius, 211 Sumpter
Eggers, John D., 599 Leonard
Etter, N. A., 128 Kosciusko
Ferguson, Robt. B. (Large), 254 Lee av
Fitall, John C., 142 Emerson pl
Franz, Chas., 365 Kosciusko
Frazer, John, 44 Rochester av
Fuller & O'Connor, 26 Court
Gallagher, F. J., 490 Park pl
Gately, A. L., 114 Bedford av
Gay, W. C., 410 Berry
Gibbons, John, 504 Court
Gittins, Edward, 162 7th
Glond, Adolphus, 558 McDonough
Greeman, W. B. (Large), 350 Fulton
Greer, Andrew H., 502 Franklin av
Grening, Paul C. Construction Co., 26 Court
Gutting, George, 263 Weirfield
Hall, Albert C., 146 Cumberland
Hall, Rhinehard, Coney Island av nr Avenue O
Hansen, Harry, 110 1st pl
Hart, Chas. 617 Degraw
Harter, Joseph, 24 Dean
Hasson, Wm. S., 468 56th
Herman, Cons. Co., 199 Montague
Herod, Wm., 256 E 32d
Hesterman, John, 174 Hamburg av
Hill, Henry B., 215 Montague
Hodgson, Jos. B. F., 474 Sumner av
Hoffman, J. Paul, 816 Avenue C
Holler, J. & F., 17 Kosciusko pl
Hossack Bros., 62 Schermerhorn
Hough, Samuel L. (Large), 344 Roebling
Hoyt, Frank H., 83 Ashland pl
Humbert, Paul, 781 Atlantic av
Jersey Construction Co., 1041 Pacific
Johanson, John A., 98 Stuyvesant av
Johnson, Nicholas, Avenue X nr E 14th
Jung, Fred'k, 314 Evergreen av
Kane, Jas., 82 Rapelye
Kay, Wm. E., 4605 5th
Keeler, Jno. J., 344 Sackett
Kelly's, F. J. Sons, 215 Montague
Kennedy, Jno. & Son, 175 Front
King, Martin, 152 Division av
Kinsey, Jno., 14th av & 73d
Kirches, Henry, 51 Butler
Kleinert, Albert E., 16 Court
Kohlmeier, Wm., 318 S 1st
Kordes, Henry E., 243 Moffat
Lineburgh Bros., 700 Lexington av
Lusso, Hector, 89 Fulton
MacArthur, Jas., 22 Ormond pl
McGarry, Wm. P., 236 Huron
McKane, Theo., Surf av c W 8th
McNamee, John, 16 Court
McNamee, John, 190 Montague
Mack, Andrew T., 406 9th
Mader, Louis, 220 Vernon av
Maguire, E. J., 1384 Dean
Maillie, Jno. F., 1253 Prospect pl
Martin, Geo. J. & Wm., 1440 Flatbush av
Martin, Lemuel N., 1317 Fulton
Meehan, Thos. F. & Co., 47 Van Brunt
Metzler & Hadden, 104 Reid av
Meyer, Henry, 15 Whitehall (Manhattan)
Miller, Wm. G., 16 Bedford
Miller & Schmidt, 394 Waverly av
Monahan, Thos. & Sons, 190 3d
Moore, John W., 307 Kingsland av
Moran, Wm. J., 134 B'way
Morrison, Geo. N., 228 State
Muir, Alex. C., 155 Ocean Parkway
Murphy Bros., 25th av c Cropsey av
Murray, P. J. & Co., 215 Montague
Nelson, John F., 693 Hicks
Newman Cons. Co., 215 Montague
Nolan, Peter E., 374 Gates av
Norris, Fred'k B., Midwood c Flatbush av
Norton & Gorman, 303 Douglas
O'Donnell, Wm., 324 Sackett
O'Grady, John, 78 N 8th
Olsen, Andrew W., 45 Ocean Parkway
O'Rourke, John H., 264 39th
Otis, H. F., 488 Clermont av
Peterson, Martin, 42 Seeley
Phraner, Chas. A., 431 Carlton av
Post & Crane Co., 233 Norman av
Pruden, Chas. L., 468 59th
Randall, Stephen M., 41 Dobbin
Ratner, Louis, 341 Stone av
Raymond, Francis, 33 Love la
Resseler & Abel, 327 Irving av
Reynolds, Chas. G., 12 Fenimore
Riley, Jas., 601 Degraw
Rocker, Henry, 129 Bradford
Rush, Frank H., 393 Greene av
Rush, Myron C., 327 Franklin av
Ryan, Daniel J., 723 3d av
Sage Bros. (Inc.), 4515 16th av
Sawkins, Wm. H., 450 Argyle rd
Schneider, Christian, 122 Debevoise
Schneider, N. & Sons Contracting & Cons. Co., 142 21st
Sherwood, Samuel T., Dorchester rd c E 19th
Singer, Frank L., 1181 Brunswick av
Singer, Otto, 621 St. Johns pl
Sley, Jas., 3d av nr Bay Ridge av
Sloan, Hugh F., 1622 Flatbush av
Smith, Howard J. & Son, 256 St. James pl
Smith, M. & Son, 511 Lorimer
Smith & Thompson, 47 Park pl
Stiner, Munroe, 4718 6th av
Strauss & Charig, 12 Court
Sutterlin, Ernest F., 13 Russell pl
Toback, David, 1518 Eastern parkway
Trevor, John, 161 Rodney
Tritschler, Chas. C., 214 Bainbridge
Tunison, Willard E., 262 Greene av
Vail, Edward G., Jr., Bay 22d nr Bath av
Van Duyne, Frank E., 94 Bradford
Van Gassbleck, R. N., 225 Adelphi
Veit, Herman, 255 De Voe
Volfrei & O'Hearn, 417 40th
Wagner, Jos., 84 Debevoise
Walker, John J., 474 Classon av
Walsh, A. Steward, 643 Madison
Weekes, Samuel M., 66 S 10th
Welch, Wm. L., 456 Tompkins av
Welcher, Chas., 350 Evergreen av
Wilson & Morgan, 456 14th
Wischerth, Adam, 179 Boerum
Witt, Paul, 88 18th
Wood, Boyd H., 439 43d
Woodham, Fred'k R., 312 Tompkins av
Wright, Wm. W., 250 Vanderbilt av

Boroughs of Manhattan & Bronx.

NEW YORK—Acker, Henry, 1338 Prospect av
Acme Building Co., 32 Union sq E
Adams, C. J., 23 Platt
Adams, Louis, 217 5th
Adamson, J. H., 57 Ann
Ahneman & Younkhere, Bailey av c W 234th
Alexander, Robert, 119 W 24th
Allegro & Spallone Cons. Co., 583 Morris av
Amend, Geo., 16 Grand
Ammann Mfg. & Cons. Co., 155 Avenue D
Amsterdam Building Co., 41 W 24th
Anderson, A., 102 E 126th
Anderson, John C., 21 Pearl
Anderson, Wm., 923 6th av
Angus, John, 152 E 36th
Anselmo & Martino, 84 Carmine
Ast, Chas, 2072 Belmont av
Baecker, Geo., 160 Malden la
Ball, Stephen, 3682 B'way
Bang, Amos E., 1732 Amsterdam av
Banta, John G., 8 University pl
Barrow, William, 62 William
Barry, Edward, 119 W 29th
Barry, Edward A., 1149 Boston rd
Baxter, Chas. R., Middletown rd
Beers, Isaac, 114 E 23d
Beinhauer, Alfred (Large), 280 4th av
Benenson, Isidor, 2133 Arthur av
Benjes, C., 333 6th
Bennett, Wm. H. & Son, 133 Cedar
Benson Bros., 306 W 133d
Berlin Cons. Co., 220 B'way
Berrie, Joseph, Von Humboldt av nr W 259th
Berry, Harry & Co., 101 W 66th
Berry, Martin H. & Son, 60 Cliff
Best, H. D. Co., 1170 Broadway
Bishop, J. W. Co., 353 5th av
Blaine, James T., 231 W 46th
Blewett, Jas., 663 Lexington av
Block, David L. Co., 611 W 135th
Block, Louis (Inc.), 3 W 117th
Boland & Son, 204 E 64th
Bond, Alfred, 334 W 24th
Booth, H. F., 1123 B'way
Booth, S. H. & Sons, 30 Centre
Boran, Michael F., 403 W 59th
Borgia Construction Co.
Bottsford, Dickinson Co., 1170 B'way
Boyle, Frank & Sons, 500 W 44th
Braender, Fred. W., 156 5th av
Breen & Rinn, 510 E 71st
Brengel, Wm., 755 7th av
Brennan, Peter J., 624 Madison av
Bresnan, Peter J. & Sons, 538 W 35th
Brigham, Walter S., 2255 B'way
Broderick, Edmund D., 1382 Lexington av
Brogan, Wm. J., 1667 3d av
Brose, Andrew, 1 Madison av
Brown, Alex., Jr., 156 5th av
Brown, W. J., 151 W 117th
Buckley, Jos. R., 843-947 6th av
Bulman, Hy. T., Ft. Washington av & 160th
Bunn & Nase, 1123 B'way
Burke, Jas. A. & Son, 180 W 102d
Burke, Luke A. & Sons (Large), 25 W 42d
Burns, Wm., 398 B'way
Butler Bros. & Hoff (Large), 1170 B'way
Byrne, Jas. C., 434 W 54th
Cadoo, Geo. J. & Co., 357 W B'way
Calumet Construction Co., 15 E 59th
Cameron, Alex., 241 W 120th
Campbell, Christopher, St. James bldg
Campbell, Wm., 214 W 68th
Canavan Bros., 518 W 56th
Cane, W. H. & F. W., 17 Park row
Carlin, P. J. Construction Co., 16 E 23d
Casey, Richard H. (Large), 100 W 30th
Chandler, B. D., 11 Thompson
Chapman, Robt., 1874 Park av
Christie, Jordan, 1233 3d av
Christie, Robert & Son, 122 W 29th
Chute, H. N., 23 E 86th
Cippolla, G. & Co., Bronx boul nr 213th
Claribew & Novak, 259 W 27th
Clark, Jas. A., 464 Canal
Clark, John W., 86 Roosevelt
Cluse, Robt. J., 509 Willis av
Cobban, G. & J., 162 W 21st
Cobban, Robert & Sons, 961 Columbus av
Cockerill, Thos. & Son (Large), 147 Columbus av
Coffey, Wm. J., 243 W 57th
Colon, George & Co., 81 E 125th
Colonial Construction Works, 516 E 72d
Colwell, Hugh, 395 Brooks av
Concrete Steel Co., 29 B'way
Connors, Thos. D., 1123 B'way
Conover, Frank E., 253 B'way
Conrady Bros., 232 E 42d
Cook, Ferguson A. & Son, 127 W 40th
Cook, O. W. & Son Co., 127 W 40th
Corning, Edward Co., 100 William
Corson, George W. & Sons, 161 E 84th
Cosgrove, David W., 142 W B'way
Coventry, Frank, 1230 Lexington av
Cowen, Chas. A. & Co. (Large), 1123 B'way
Craig, Wm., 42 W 67th
Cramp & Co. (Large), 36 E 23d
Crawford, Wm., 5 E 42d
Crockett, Thomas A., 179 W B'way
Crockett, W. & W. F., 2 E 58th
Cronk, John, 115 W 37th
Crosbie, Martin J., 240 Spring
Cunningham & Kearns Cont. Co., 434 E 91st
Cusack, M. F., 233 Grand
Davie, Jas., 107 W 100th
Davin, D. W., 74 Irving pl
Davis, John W., 543 W B'way
Davis, Jos. Henry, 312 W 109th
Davis, Jos. W., 211 E 19th
Davis, R. L., 625 Hudson
De Baun, Jno. F., 1368 B'way

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Deeves, J. H. & Bro., 287 4th av
Deeves, Richard & Son, 309 B'way
Deisler & Stevenson (Large), 225 5th av
Delaney Bros., 63 Madison
Denneen, John J., 913 6th av
Densmore-Compton Building Co.
Devine & McGrail, 51 Ann
Diamond, Joseph, 1139 Wyatt
Dick, James, 941 6th av
Diller, Wm. E., 571 5th av
Dixon, Wm. F., 30 E 20th
Doane & Edelman, 126 William
Doern, Peter, 18 E 42d
Donahue, Cornelius A., 175 Waverly pl
Dowd & Maslem, 217 W 125th
Downey, Jno. (Est. of), 410 W 34th
Duffy & Collin, 131 W 31st
Duncan, Alex. & Son, 101 Prince
Duncan, Wm. M., 852 Washington
Durkin, Jno. J., 1 Madison av
Eakins, John R., 689 Columbus av
Edgar's, Geo. C., Sons, 2 W 88th
Egan, Jas. F., 64 Ann
Egan & Hallecy Cons. Co., 901 Ogden av
Eickhoff, Chas. E., 2704 B'way
Elgar, James, 335 W 24th
Engesser, Henry, 403 E 16th
Erskine & McGregor, 205 W 19th
Evans & Thomas, 147 W 53d
Farley, James A., 571 5th av
Ferguson, Robt. & Sons (Inc.), 119 Manhattan av
Fessler, Albert L., 451 W 40th
Finley & Hanford, 124 William
Finney Building Co., 103 Park av
Flanagan, Thos. J., 217 E 125th
Forrest, Henry R., 315 W 53d
Fountain, G. E. & G., 7 W 38th
Fountain & Choate (Large), 114 E 23d
Fraad Contracting Co., 245 W 26th
Frame, Jas. A. & Son, 1044 Westchester av
Frisbie, Benj. F., 455 E 164th
Fuller, Elam H., 175 W Houston
Fuller, Geo. A. Co., Fuller bldg
Gabler, Jno. C., 64 Cortlandt
Galbraith, Andrew, 607 W 46th
Gallagher, Patrick, 1181 B'way
Gallin, Jno. W. & Son, 509 Grand
Gamp, Henry S., 1935 Clinton av
Garland, James J., 8 Peck slip
Gehlker, Ferdinand, 24 E 21st
General Bldg. & Cons. Co. (Inc.), 1 Madison av
Gest, Guy M., 277 B'way
Getty, Hugh, 359 W 26th
Gilbert, Wright L., 144 Chambers
Gilleran, M. J., Pond pl & 197th
Gillespie, T. A. Co., 90 West
Gillies, Campbell Co., 1 Madison av
Giordano, Thomas, 864 E 180th
Goetschius, John H., 539 Hudson
Goldman, Chas. A., 6 Liberty pl
Graf, Henry, 391 Avenue A
Grant, Alex., 4354 Vireo av
Gray, A. & W. & Co., 237 W 37th
Green, Warren E., 1133 B'way
Greenlee, Wm., 429 E 238th
Greenless, Thos., 147 Barnes av, Williams bridge
Gross & Herbener, B'way & 140th
Guidone, T. & Galardi, 1 Madison av
Gumpel, David L., 83 Bleecker
Gunn & Grant, 2335 Old B'way
Gussaroff, Elias, 600 W 142d
Haas, Julius, 767 Lexington av
Haas & Freid, 90 E 10th
Hall, W. W. & T. M., 11 E 42d
Hammer, Ernest E., 2850 Marion av
Hankinson, Christie Co., 232 W 40th
Hanretty, Wm. R., 2110 Prospect av
Harding, Lewis, 335 E 46th
Hardy, Geo. H., 116 W 31st
Harper, William G., 229 W 50th
Hartman & Horgan, 934 Ogden av
Haydock, Ephram, 574 Hudson
Hearn, Jno. J., Cons. Co., 1 Madison av
Heckman, John F., 9 Burling
Hedden Construction Co., 1 Madison av
Hedlund, John, 218 E 21st
Heesch & Sibbert, 131 Beekman
Henderson, Alex., 307 W 21st
Henderson, Wm., 1123 B'way
Hendrickson, C. Cyril, 20 W 34th
Heningham, R. E. (Builder), 1 Madison av
Hennebique Construction Co., 1170 B'way
Herbst & Co., 25 W 42d
Herrmann's, Philip, Son, 407 W 14th
Hildebrand, Geo. (Large), 38 Park row
Hillers, August, 511 Park av
Hilyard, Geo. D., 215 E 36th
Hines, Frank H., 104 W 124th
Hirschey, Urban C., 18 E 42d
Hoe's, James C., Sons, 10 Liberty pl, 831 Greenwich & 54 Gansevoort
Hoffman, Wm. H. R., 273 W B'way
Holding, Wm. F. (Large), 2428 Davidson av
Hollow Brick & Concrete Cons. Co. (Concrete Construction, etc.), 110 W 34th
Holmes Bros., 265 B'way
Holmes, Jas., 53 King
Hopper, Isaac A., & Son (Large), 1170 B'way
Horne, Wm. Co., 71 W 132d
Horsfall Construction Co., 20 E 42d
Houlihan, Daniel, 2867 Bainbridge av
Houston, Thomas H., 101 W 57th
Hubener & Escher, 762 Melrose av
Hughes Bros., 162 W 27th
Hunt, Geo. B., 139 4th av
Hunt, James W., 653 E 236th
Hurley, John, 156 5th av
Imhoff, Anthony G., 249 W 18th
Jacob, A. & Son, Morris av & 179th
Jacob & Youngs, 1133 B'way
Jeans, Edward, 59 Carmine
Jennings & Welstead, 237 W 50th
Johnson, Robert, 204 E 58th
Johnson & Allen, 407 W 35th
Johnston, Bros., 1567 Park av
Johnston, Jas., 325 W 11th
Johnstone, Jas., 3284 Hull av
Jones Construction Co., 1 Union sq
JONES, THOMAS W., 32 Burling sl. (See adv. index, end of book)
Jorgensen, Chas. G., 1283 Hoe av
Jung, Jacob, 131 E 13th
K. L. & W. Cons. Co., W 145th nr St. Nicholas av
Kell, Richard, 1980 Daly av
Kelley, Samuel D., 4 Gold
Kelly, Joseph, 189 9th av
Kelly, Robert E. ,220 E 41st
Kelly & Kelley, 45 E 42d
Kennedy, John J., Mosholu av nr B'way
Kennedy, Jno. & Co., 1133 B'way
Kennedy, Richard, 619 10th av
Kennelly, Maurice V., 64 Vesey
Kerr, James F., 205 W 30th
Kerwin, Andrew J., Jr., 53 W 24th
Ketcham, Treadwell, 694 E 166th
Kirkpatrick, Wm. J., 437 Lenox av
Klappert's, C. W. Sons, 328 E 25th
Klein, Wm., 418 E 83d
Klein, Wm. & Sons, 191 E 3d & 505 E 15th
Kreps & Nezold, 80 Duane
Krulewith, E. M., 2 Birmingham
Lahr, Adam, Jr., 50 3d av
Laimbeer, John, Jr., 239 W 50th
Lanning, Wm. A., 300 W 152d
Larrimer Construction Co., 30 Church
Lawrence, Isaac C., 348 W 16th
Lawrence, R. Warren, 350 E 150th
Lawrence, Thos. H., 110 Greenwich
Lawrence, Thos. H., 1053 Trinity av
Leahy, Thos. B. Bldg. Co. (Large), 1 E 42d
Leddy & Moore, 41 Christopher
Lein, H. W., 128 W 49th
Levin & Levin Contracting Co., 320 5th av
Lewis & Jones, 407 E 31st
Linch, John M., 1047 Trinity av
Lindsay, Joseph, 521 W 110th
Lithgow, George W. & Son, 41 King
Littlejohn, Andrew S., 232 W 79th
Long & Trenholm Co., 302 Willis av
Lowry, Jas. L., 305 W 40th
Lustbader Construction Co., 352 E 76th
Lustig & Weil, 332 E 76th
McAfee, Robert, 55 Ann
McBrien, Edward C. (Large), 244 W Houston
McBrien, John. D., 71 Morton
McCallum, John, 323 E 22d
McCarthy & Macy, 841 Faile
McClosky, Andrew J., 580 W 187th
McCullagh, John H. & Sons (Large), 148 W 4th
McDermott & Hannigan, 343 W 17th
McEntee & O'Brien, 1123 B'way
McEntyre, P. B. & Son, 220 W 30th
McGarity, Jas., 1012 Bathgate av
McGill, Hugh, 101 W 88th
McGillen, J. J., 300 E 31st
McGregor, Chas., 122 E 11th
McGuire, S. A., 1170 B'way
McGuire, T. J. Cons. Co., 100 W 139th
McKean's, Wm. Sons, 48 Bank
McKee, John, 220, 8th av
McKee, John, 312 Lenox
McKeefrey, John, 1416 B'way
McKeown, Thos., 521 W 110th
McKiernan, Jno. J., 2421 B'way
McKune, C. S. Co., 503 5th av
McNulty, John, 204 E 45th
McRae, Christopher, 773 E 180th
McWalters, James, 2434 B'way
Macdonald, J. R., 405 W 59th
Macdonald, Jno. H., 359 W 16th
Maguire, Michael & Son, 88 Greenwich
Maher, William G., 1133 B'way
Mahony Bros., 101 W 42d
Mahoney, Robt. J., 1133 B'way
Manson, Donald A., 50 New & 9 Coenties sl
Markenfield Construction Co., 26 Cortlandt
Marschall, Frank, 142 E 42d
Martin & Allen, 17 Sullivan
Mathison, Jas., 547 Broome
Meehan, Jas. F. Co., 1044 Westchester av
Melin, Otto, 176 Wooster
Mets, Otto, 22 E 21st
Meyer, Frank, 387 7th av
Miller, Wm. S., 141 E 40th
Milliken Bros., 11 B'way
Mitchell, Donald, 304 W 53d
Mitchell, Jas. E., 334 W 24th
Monk, George, 92 8th av
Moore's, A. Sons, 1 W 68th
Moreland, J. & L. Co., 1910 Park av
Morgan, Chas. F., 14 Pearl
Morison, David, 119 W 33d
Morrell, Cornelius S., 59 Ann
Mortensen & Co., 1123 B'way
Muldoon, Francis, 624 Madison av
Muller, Louis, 500 5th av
Mulligan, Geo. Co. (Large), 33 E 32d
Murdock, Harvey (Large), 116 Nassau
Murphy Bros., 407 E 101st
Murphy, John H., 1026 6th av
Murphy, Patrick, 371 E 14th
Murphy, Patrick, 1611 Taylor av
Murray, Thos. F., 344 E 146th
Murray, Wm. J., 147 E 125th
Murray & Charleston, 146 E 16th
Naumann, Henry C., 128 E 87th
Nelson, Andrew, 158 E 115th
Nesbit, F. T. Co. (Inc.) (Large), 116 Nassau
Newman & Lute, 25 W 42d
New York Bldg. Alterations Co., 281 E 17th
Nickisch, Jno. H., 217 W 125th
Nickisch, Theo. H., 1843 Harrison av
Niewenhous, S., 1 Madison av
Noble & Gaus Cons. Co., 641 E 161st
Norcross Bros. Co., 160 5th av
North Eastern Cons. Co., 225 5th av
Nurnberg, Paul, 219 E 59th
O'Brien Bros., 55 South
Ocemore Building Co., 435 W 147th
O'Connell & Hanna, 271 W 125th
O'Connor, Francis X., 249 W 52d
O'Keefe, Jno. J., 1 Hague
O'Leary, John J. Co., 39 Cortlandt
Oppenheim, Louis, 1571 2d av
O'Rourke, T. B., 533 W 42d
O'Shea, P., 148 W 28th
O'Shea, Walter L. & G. H., 29 B'way
Otis, H. W. & Co., 39 E 42d
Outwater, Edwin, 949 B'way
Ovens, Edward, 106 W 135th
Overhulse, Benj. F., 179 E 77th & 185 E 79th
Parker, Jno. H. Co., 227 4th av
Parkinson, Charles, 67 Greenwich
Parry, Elton E., 2127 B'way
Partridge, Chas. R., 1123 B'way
Pasquini, Attilio, 1123 B'way
Paul, Edw. E., 289 4th av
Peaston, Peter, 372 Water
Peckworth, Chas. H. (Large), 415 Hudson
Penney, Thos., 19 Thames
Pennock, J. E. & A. L., 1133 B'way
Perry, Wm. H., 3226 Hull av
Pfost, Gustave, 187 Franklin
Pfund, Hippolyte, 342 E 61st
Pigueron, Geo. H., 32 Union sq. E
Pigueron, Wm. G., Union sq E
Pihlman, Gustav I., 206½ William
Poerschke, Edw. R., 107 Bible House
Polley, Jacob W., 3391 3d av
Potter & Foubister, 132 W 16th
Potterton Bros., 215 W 28th
Power, James, 482 Pearl
Probst, Herman, 10 W 29th
Prodgers, Geo. W., 287 4th av
Pugh, Paul B. & Co., Riverside dr & 109th
Quinn, Thomas J., 3219 3d av
Rae, Thomas & Son, 253 W 27th
Raiman & Ackerman, 241 E 29th
Randall, Stephen M. & Son, 1123 B'way
Rapp Cons. Co., 301 E 94th
Rasmussen, James, 126 W 19th
Ravekes, Albert & Son, 6 Sullivan
Ray, F. A., 240 W 23d
Reed, Washington B., 585 7th av
Regan, Edward, 16 Abingdon sq
Rehback, Wm., 303 E 157th
Reid, M. & Co., 114 W 39th
Reinhardt Bros., 643 5th
Republic General Cons. Co., 34 W 33d
Rice, Lawrence J., 5 E 42d
Richter, George, 100 William
Riley & Corrigan (Inc.), 140 W 42d
Rixson, Oscar C., 7 E 42d
Robb, James, 450 W 31st
Roberts, James S., 189 E 115th
Roberts, Jno. B. & Co., 1 Madison av
Roberts, P. & Co. (Inc.), 37 Sullivan
Robertson, John, 708 E 138th
Robertson & Gammie, 986 E 138th
Robinson, A. J. Co., 123 E 23d
Robinson, J. C. & Son, Madison av
Rodler, Albert, 186 William
Rodgers, J. C. & Son, 1929 Amsterdam av
Rogers, Geo. W. & Co., 44 B'way
Rosenthal Cons. Co., 31 Liberty

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Ross-Push Co. (Large), 34th & B'way
Ross, Chas. B., 20 Cedar
Rossell & Pfeffer, 1 Madison av
Rubing, Henry, 243 E 38th
Ruddell, Geo. W., 25 W 42d
Rue, Elwood, 219 W 29th
Runcie, John H., 228½ Columbus av
Russ, John P., 984 2d av
Russell Contracting Co., 156 5th av
Russell, Edward M., 165 Crosby
Rutherford, Richard A., 135 Mangin
Ryan-Parker Cons. Co. (Large), 21 Park row
Ryan, Peter J. (Large), 314 W 44th
Schaefer, John V., Jr. & Co., 9 E 59th
Schlesinger, Max I., 449 W 41st
Schloss, D. & Sons, 234 Delancey
Schmits & Eulenstein, 1960 Anthony av
Schnaier, Robt., 957 Madison av
Schubiger, Jacob, 217 Centre
Schuck, Geo., Adrain av, Marble Hill
Scott, John H., 63 Prince
Scott, Thos., 400 W 53d
Scott, Thos., 319 W 54th
Schuh, Chas. P., 4 Albany
Schuyler, Philip, 121 Watts
Schwarzler, Albert J., Brook av & 169th
Scrafford, Fred. A., 315 W 21st
Sebover, David, 620 6th av
Sedore, Conrad, 79 Charlton
Sexton, Wm., 136 W 34th
Shone, James, 207 W 20th
Silman & Whittle, 114 University pl
Silverman, C. M. & Sons, 1448 Madison av
Singhi, Henry N., E Kingsbridge rd nr Acqueduct av
Sievin, Jas. F., 12 Chambers
Sloane & Moller (Large), 316 E 65th
Smith, Charles & Son, 102 Maiden la
Smith, Elward & Co., 43 Ann
Smith, F. V. Contracting Co., 147 E 125th
Smith, Havilah M. & Son, 78 Watts
Smith, Robert W., 235 E 85th
Snare & Triest Co., 143 Liberty
Sodergren, Eric, 159 St. Nicholas av
Solomon, Rubin & Son, 949 B'way
Somerville, Wm., 317 E 122d
Southern & Marshall, 207 E 49th
Spangenberg, Chas., 211 E 59th
Spence, James, 131 E 18th
Spence, James B., 285 W 150th
Springsted & Adamson, 424 E 107th
Staats, Wm., 225 E 58th
Staiger, Chas., 224 E 9th
Stannard, Ambrose B., 1133 B'way
Stanton, George, 37 Lafayette
Steel, Alex., 228 W 10th
Stegmayer, Jas., 168 E 91st
Stephens, Jeff. K., 188 Baxter
Steward, Duncan, 217 W 124th
STEWART, JAS. & CO. (Large), North American Trust bldg
Stoddard & Hughes, 246 W 29th
Story & Flickinger, 5 Gt. Jones
Strand, Anton, 152 E 53d
Sullivan, Patrick, 230 Grand
Sutherland & McNeill, 265 Greene
Swallow & Howes, 300 5th av
Taylor, William J., 7 E 42d
Temple & Veraneau, 217 W 125th
Tennant, John H., 4 7th av
Thompson-Starrett Co. (General Building Construction), 49 Wall
Thompson, Walter E., 1123 B'way
Thornton Bros. Co., 1320 Clay av
Tide Water Bldg. Co. (Large), 25 W 26th
Trapp, Nicholas H., 17 Thames
Turner, Ernest M., 1123 B'way
Turton, Jno. K., 1133 B'way
Udall, Jno. Clark, 29 94th
Ungrich, L. K. & L., 1676 Amsterdam av
Utterson, Chas. S., 908 6th av
Vail, Benj. H., 58 West
Van Aken, Chas. H., 148 W 4th
Van Doorn, Wallace & Son, 229 W 36th
Van Houten, Erskine, 1181 3d av
Van Wagoner-Linn Cons. Co., 110 W 28th
Vickers Construction Co., 162 W 50th
Vondendriesch, Albert (Large), 204 E 86th
Vought, Henry H. & Co. (Large), 112 W 42d
Vreeland, J. C. Building Co., 1 Madison av
Wahlig, Frank A. Co., 406 E 149th
Wakeham & Miller, 1133 B'way
Walker, Geo. L. Co., 3424 B'way
Wallace, Wm., 203 W 18th
Walsh, John F., Jr., 136 Charlton
Walsh, J. F. & Bro., 351 Park av
Walsh, P., 420 W 25th
Walsh, Patrick J. (Large), 503 5th av
Walsh, Richard L. Co., 100 William
Watson, John, 259 W 21st
Watson, Thos. B., Jr., 122 William
Watt & Sinclair, 160 5th av
Watts, William, 38 W 13th
Webber Construction Co., 1 Madison av
Weber, Hugo J., 10 E 23d
Weber, John & Sons, 12 E 23d
Weber, Louis Building Co., 1 Madison av
Webster, Lewis C., 59 William
Wechsler, Louis, 1133 B'way
Weed, H. M. & Co., 124 W 45th
Weeks, D. C. & Son, 287 4th av
Wells Bros. Co., 160 5th av
Wendt, Chas., 261 Pearl
Werner, Wm., 894 Forest av
Westervelt, John D., 50 Grove
West Side Cons. Co., 200 Riverside av
Wexler, Adolph, 2036 Webster av
Whisten, Stephen A., 25 W 42d
Whitenack, J. Odell, 99 Vandam
Wielandt, Michael, Jr., 1052 Boston rd
Wilkens, Henry, 207 E 51st
Williams, Jas. C., 241 W 125th
Wilis, Chas. T. (Inc.) (Large), 156 5th av
Wilson, Andrew, 53 Rose
Wilson, J. B., 11 E 10th
Winberg, William, 15 E 13th
Winne, Andrew A., 100 W 49th
Wright, Garret S., 421 W 24th
Wright, Wm. H. & Son (Large), Valentine av & 192d
Wright & Brown, 304 W 25th
Young, G. Thos., 206 W 51st
Young, Wm. Co., 550 W 41st
ZIMMERMANN, JACOB A. (Large), 1358 B'way. (See adv. index, end of book)

Borough of Queens.

AQUEDUCT—(See Woodhaven)
ARVERNE—(See Rockaway Beach)
COLLEGE POINT—Carroll, Patrick
Muller, Rudolph
Raw, John F.
CORONA—Andereya, Henry H.
Collison, Chas.
Dioguardi, Chas.
Labriola, Frank
Monteverde, Frank S.
Rausciana, Domenico
Ruge, James E.
Schrott, Ames, 35 Prospect
LOUGLASTON—Hamilton, Wm. J., Pine
ELMHURST—Card, W. C.
Kempf, Otto
Lurz, Frank, 7 Plain
Surbeck, E. F.
EVERGREEN—Art Concrete & Construction Co.
Klee, Balthaser
Kull & Co.
Michel, John
Obach, Geo. Peter
Roeder, Fred.
Spitzer, Geo.
FAR ROCKAWAY—Black, Robt.
Borchardt, Max
Bouker, D. C., Jr.
Fulcher, Chas. A., Grove nr Cornago av
Gibson, Henry C.
Kaiser, Geo., Remsen av
O'Rourke, Ralph, Grove
Pepper, T.
Roche, Edward, Grand View av
Wynn & Walter
FLUSHING—Auburndale Co-operative Cons. Co.
Cadoo, John C. W., Amity
Christ, John M.
Fowler, Jos. B., 151 Washington
Fox, M. H., 20th
Grimmer, Henry G., 189 22d
Haak, Wm. A., 318 Barclay
Mara, P. J., Whitestone av
Peace Bros.
Richardson, Edw., 43 Percy
Roberts, Evans J., 330 Amity
Roberts, Bull & Co., 93 Amity
Simmons, John J., Lincoln
Stapleton, Edward
Sullivan Bros., 11 Main
Van Riper, Isaac & Son
Walters & Woodill, 32 Madison av
Warfield, Geo. A., 30 Wilson av
Wilson, John H.
GLENDALE STATION—Quinn & Grennan
Stier, Paul
JAMAICA—Anderson, John E.
Bourke, E. H.
Bangert, Valentine, 34 Orchard
Carmen, Fred'k E., 101 Harriman av
Carmen, Stephen, 32 Ackroyd av
Cohen, Koppel
Foley, Thos.
Freund, Herman
Hoffman, Chas., 21 Ackroyd av
Meyn, Henry, Canonbury rd
Mullen, H. J., Fulton
Schneider, Henry
Siebert, Martin, New York av
LAWRENCE—Smith, Jno. H.
LONG ISLAND CITY—Brady, Jno. N., 288 Crescent
Brown, Thos. A., 699 Crescent
Clark & Tunaston, 188 Jackson av
Couch, Wm., Main cor Woolsey
Fischer, Geo. & Co., 406 12th av
Foster, Joseph H., 459 Steinway av
Geiser, Jos., 835 Albert
Herold, Christian, 223 Lockwood
Hilbert, F.
Koch, Wm., 543 Steinway av
Miller, Philip, 80 Wilbur av
Murnane, James, Bebee av
Pearson, S. & Sons (Inc.), Front
Richensteen, Wm., 36 Jackson
Smith, John, 491 Radde
Stevenson, Jas. A., Jackson av
Van Riper, F. G. & G. T., 24 Jackson av
Weeks, D. C. & Son, Gale
Woodruff, C. Curtis & Co., 213 10th
Woodruff, J. T. & Son, 65 3d
MASPETH—Hause, Louis
Losee, Frank
MIDDLE VILLAGE—Ehman, Chas.
OZONE PARK—Beadle, V. W.
Queens Borough Construction Co.
Smith, Melville B.
METROPOLITAN—Kirchner, W. & Son
Knolt, L.
RICHMOND HILL—Biggs, Nathaniel
Clarke, Thos. J.
Collins, Thos., Chestnut
Reichard, John F.
Reis, Chas., 230 Briggs av
Riis, Andrew J.
Van Wyck, Park Co.
Vetter, C. Ernest, Hillside av
Wade, W. H., Jr., 235 Elm
White, J. A.
Woodin, David B.
ROCKAWAY BEACH—Baldwin, Mrs. Margaret
Close, Geo. H.
Esterbrook, Le Grand
Jorgensen, John C.
Schoneke Bros.
Snyder & Ward
Stultz, Geo.
WINFIELD—Ferguson & Hamble
Klein, Theo.
Tymann, Christian, Madison av
Worth, W. S.
WOODHAVEN—Brower, Alex.
Brust, John
Guilfoy, Peter
Guthy, Peter
Singer, Chas., Woodhaven av

Borough of Richmond.

CASTLE CORNERS—Vroom, G. B. & Son
Vroom, Richard B. & Son
DONGAN HILLS—Butler, T. E.
FORT WADSWORTH—(See Rosebank)
GRANITEVILLE—(See Port Richmond)
MARINER HARBOR—Bailey, Robert & Son, 18
Osborne, W. W. Lockman av
NEW BRIGHTON—Brabyn, Edwin, York ter
Cahaline, Daniel J.
Lyon, Robt., 96 York av
McIntyre, Archibald
Norman & Young, 1st
Ripley, David, 4th av
Russell, Wm. H. C.
NEW DORP—Coleman, J. S.
PORT RICHMOND—Conklin, H. M., Richmond ter
Donovan, John E.
Hagaman, Andrew, 6 Hatfield pl
Hardy, Thos., 160 Heberton av
Milnes, John Co., 2 Hatfield pl
Simonson, Henry L., 101 Heberton av
Sterner, Wm. C., 42 Bikfrd
Whitford, E. K., 104 Heberton av
PRINCE BAY—Peterson E.
ROSEBANK—Sanford, Ross P.
Willshaw, Thos. H.
SEASIDE—Pearsall, Peter
STAPLETON—Beinert, Chas., 123 Richmond rd
Cummings, Thos., Jr., 15 Metcalf
Langworthy, Henry J.
McDermott, Wm.
Morgan, Thos., 58 McKern
Spruck, Henry L. & Son, 181 Broad
Wolff, Philip & Son, 14 Wright
TOMPKINSVILLE—Andrews, W.
Peterson, Henry
TOTTENVILLE—Joline, Wm. E.
Lee Bros.
WEST NEW BRIGHTON—Archer, Christopher, 20 Bodine
Donovan, J. F., Henderson av
Filmer, Drew
Lynch, Wm. H., Castleton av
Markham, Clarence H.
Winans, John, Bmnt. av

(End of New York City)

NIAGARA FALLS—Allen, Fred'k J., Walnut av c 2d
Barbar & Wilson
Baumhofer, A. J.
Bennett & Shephard

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Brophy, G. H.
Bryant, D.
Conway, Edward
Cowdrick, W. J. S. & Co., 520 2d
Cusans, Thomas
Eagan & Cox
Finley, Michael
Finnell, John H., 450 Elmwood av
Gallinger, J. H. Co.
Hardy, Robt.
Hartman, N. Fred'k
Huttlemayer, A. A.
King, E. M. Co.
Lennon, Jno., Son & Co.
Marshall, W. F.
Mess, Geo.
Neighbour, Frank
Newson, David & D. J.
Pettit, D. J.
Pitman & Allen
Read, Coddington Engineering Co.
Richardson, Frank
Ryan, M. T.
Schumacher & Moyer
Shepard, Chas. T.
Shepard, William A., 701 Pine av
Smart, Geo.
Snyder & Gillett, 911 McKeon
Speicher, John F.
Stembrenner, Carl, 1339 Cleveland av
Wynes Bros.

NORTHPORT—Baldwin, John
Brush, Geo. W.
Burt, Henry W.
Conklin, Clarence A.
Ruland, D. S. B.

NORTH TONAWANDA—Bredlan Bros.
Gemlo, Jno.
Hildebrandt, Fred.
Hofert, Wm. F., Jr.
Ideal Sectional Building Co. (The)
Jacobs, Calvin
King Construction Co.
Morris & Allen (Inc.)
Ostwold, Wm.

NYACK—McElroy, Charles
Magee, John
Post, John H., 19 Bridge
Rooney, John M.

OGDENSBURG—Feeley, John

OLEAN—Anderson, S. H.
Button, S. E.
Corsett, L. E.
Dean & Havens
Donahue, Ed.
Gillingham & Son
Nichols, G. A.
Ritzauer, G. C.
Rudolph, L. C.
Sheldon, J. A.
Taylor, B. U. (Large)
Weagraff, F. C.
Wetherill, James & Son
Worden, Chas. H.

ONEONTA—Briggs, N. H. & Son
McFee & Borst
Packer, J. W.

OSSINING—Carpenter, Daniel
Cnatt, Wm.
Furnaro, James
Gerow, Wright A.
Haff, John W.
Murray, A. B.
Powers, Wm. O., Belleview av, W. H.
Smith, Gilbert
Smith, John
Valentine, Ell, 1 Terrace av

OSWEGO—Barnett Cont. Co., 119 Water
Paine, A. & Sons, 142 W 2d

OWEGO—Ford, Lucius

OZONE PARK—(See New York City, Borough of Queens)

PATCHOGUE—Conklin, J. H.
Gerety, John L.
Petty, Ernest E.
Van Slingerlandt, G. W.
Vrooman, Clarence H.

PATTERSON—Mead, Alex.
Newcomb, L. A.

PEEKSKILL—Barker, Asbury
Birdsall & Thomas
Durum, Patrick A.
Gaudnier & Wildman
Golden, W. H.
Ham, Chas. E.
Hill, Eugene B.
Hopkins, Requa & Hopkins
Lindenan, Paul
Miller, James
Rensa, A. S.
Smith, Eugene T.
Thompson & Baxter Cons. Co.
Washburn Bros.

PENN YAN—Flahive, James
Kelly, C. M. & Co.
Waddell, Geo. W. & Son
Wheeler, W. E.
Willoughby, T.
Willoughby, W. H.

PLATTSBURG—Boissy & Brow
Buckley Cons. Co., 21 Clinton
McQuillan, Arthur
Shutts, Stephen A.

PORT CHESTER—Alves, Conrad
Gleason, George
Hamilton, Wm.
Kennedy, L. J. & Sons
Merritt, John O. Co.
Mertz's, Geo., Sons (Inc.)
Murray, Frank E.
Nethercott, Jno. J.
Stamboni, Michael
Studwell, Thos.
Weir, James
Williams, C. H.

PORT JEFFERSON—Lawrence Bros.

PORT JERVIS—Goble, Floyd S.
Post, G. A.
Raymond, F. B.

PORT RICHMOND—(See New York City, Borough of Richmond)

PORT WASHINGTON—Carpenter, Eugene E.
Cocks, Chas. D.
Henderson, Edwin
Hulls, Wm. H.

POUGHKEEPSIE—Becker, Peter
Carter, Fred. N.
Central Hudson Cons. Co., 33 Market
Davis & Shover
Freer, Irving & Ackert
Greene, Oliver A.
Higgins, Peter J.
Hillery, James P.
Keating, Jos. S.
Madsen, Fred., 1 Grove
Manning, Marcus W.
Martin, Jas. E.
Mitchell, Chas.
Montford, W. J.
O'Donnell, John
Rust, Wm. H. & Son, 363 Mill
Titus, Willet, 59 Catherine
Van Aken, Geo. J.

PRINCE BAY—(See New York City, Borough of Richmond)

QUEENS—(See New York City, Borough of Queens)

RENSSELAER—Dahm, Geo. B. & Son
Finkle, C. J. & Son
Hart, Geo.
Sitser, Fred. P., 1114 3d av
Zepp Bros., 2 4th av

RICHMOND—(See New York City, Borough of Richmond)

RIVERHEAD—Hempstead, Chas. H.
Lane Bros.

ROCHESTER—Albright, Edmund L., 1006 In-
Belt, Fred. E., 5 Copeland surance bldg.
Bennett & Parry
Bergmann, John N., 20 Avenue C
Binsack, Isaac J., 390 Pennsylvania av
Brotsch, Frank V. Co., 349 S Goodman
Brotsch, F. A. & Son, 12 Triangle bldg
Burling, Jas. W.
Calnan, John, 521 Plymouth av
Christiaansen Bros., 320 State
Clark, Geo. W., 15 Adelaide
Congdon, Richard, 98 Albemarle
Cowles, Horace N., 6 Gorsline
Crouch, Jas. H., 202 Jones
De Jonge Bros., 395 Joseph av
Delano, F. B. Co., 32 Mt. Hope av
Dick, Wm., 231 Park av
Doyle, Chas. Jfl., 95 Richard
Enders, P., Rustic n Clifford
Erion, John H., 4 Park av
Ets, Norris, 5 Orleans
Ferge, George F., 22 Henrietta
Field, Wm. A., 54 Breck
Finucane, T. W. Co., 3 Elton
Fisher, Henry C., 58 Finch
Frederick, A. & Sons Co. (Large), E & B.
Garrison, G. B. (Large), 4 Walton bldg
Gleason, Fred'k A., 31 Appleton
Goldstein, Abraham, 98 Kelly
Gorsline-Swan Cons. Co., 718 Chamber of Commerce
Greece Cons. Co., 718 Chamber of Commerce
Hack, Adolph, 7 Englert
Hammill, J. P., 5 Bauer
Harris, J. D., 174 Harvard
Hasenauer, Chas., 506 Bay
Henley, Geo. S., 77 Grand av
Hetzler, Charles, 339 Smith
Hoffman, C. J. & Sons, 3 4th
Hoffman, G. F. & C. W., German Ins. bldg
Honeck, Hy., 300 Clifford
Horn, Chas. L., 309 Joseph av
Huber, Philip, 1063 N Goodman
Ingran, Geo. P., 53 Berkeley
Isler, Herman, 430 Joseph av
Justice, John H., 695 St. Paul
Kamm, Casper, 423 Joseph av
Karweick, John & Son, 48 Rauber
Keith, Clifton A., 42 George
Kelly, Thos. J., 158 Genesee
Kenny, Wm., 88 Frost av
Kingston, Geo. G., 97 Bronson av
Kircher, Geo., 444 Alphonse
Knapp, Homer, Triangle bldg
Kramer, Karl P., 1 Jones
Kusse, A. J., 447 Park av
La Force, Martin, 69 Remington
Lauer, Edward C., 406 Powers bldg
Lauer, Harvey M., 785 Portland av
Lays, Edward J., 35 S Water
Lee, E. A., 2 Lee pl
Lester & McMullen, 9 Basin
Levin, William, 10 Rhine
Link, A., 654 South av
Luther, John & Sons Co., 162 North
McCarthy, Wm. F., 10 Mt. Pleasant pk
McKibbon, Daniel S., 7 Cobb
Maas, Wm. F., 15 Sander
Maehan, John F., 175 Warner
Mahaney, M. 263 Flint
Matthews, Wm. L., 407 Jefferson av
Matsig, Joseph, 292 Averill av
Marson, Wm. H., 643 Exchange
Meyer, Anthony, 896 Clinton av
Moll, Frank J., 138 4th
Morgan, Geo., 31 Mason
Oberlie's, Henry Sons, 704 Clinton av S
Oliver, H. T., 328 South av
Osborne, Jas. P., 68 Spring
Pappert, Aug. & Sons, 707 Clinton av S
Perkins, W. A., 308 Plymouth av
Peters, Wm., Dewey av
Pike, John B., 13 Minerva pl
Potter, L. H., 145 Champlain
Rapp, Fred. H. & Co., 401 Granite bldg
Rice, Henry, 85 S Union
Ripton & Murphy, 72 Penn
Robinson, Elmer E., 21 Montrose
Ruebsam, Blasius, 326 Joseph av
Sage, Geo. W., 30 Rowley
Salter, Thomas, 118 Frost av
Saucke, Wm., 82 Saranac
Sauer, F. J., 31 S Water
Sauer, Henry G., 42 Gregory
Schieven, Geo., 497 Joseph av
Seitz, F. C., 207 Hudson av
Selbert, Geo., 8 Vetter
Siebert, Florin F., 108 Hamilton
Smith, Chas., 4 Rainier
Stewart, J. L., 230 Lyndhurst
Stoecklein, Martin, 53 Herman
Strauchen, Edward, 309 Portland av
Strogen, Chas. P., 17 Columbia av
Summerhays, Wm. & Sons, 9 Exchange
Thiem, Herman C. & Co., 963 St. Paul
Trangott, F. G., 207 Wilham
Verwey Bros.
Wagner, J. G., 20 Leopold
Walch, Robert, 51 Taylor
Wegman, George, 720 N Clinton av
Yates, Chas. H., 56 Davis
Yauch & Pfluger, 58 Lincoln
Zielinski, Stephen, 543 Hudson av
Zunner Cons. & Equipment Co.

ROME—Carey Cons. Co.
Gerwig, J. W.

ROSEBANK—(See New York City, Borough of Richmond)

ROSSVILLE—(See New York City, Borough of Richmond)

SANDY HILL—Cushing, M. E.
Gibson Bros.

SARANAC LAKE—Branch & Cahaman (Large)
Eicholtz, H. F. Cons. Co. (Not Inc.)

SARATOGA SPRINGS—Adee, Wm. L.
Case, W. J. & Son, 45 Philadelphia
Crocker, Harry, 63 Putnam
Dunn, Thos.
Fitzgerald, J. P.
Ledlie, David B.
Palmer, C. E.
Robertson, Wm. S., Putnam

SAUGERTIES—Howard, L. B.
McNally, Geo. W.

SAYVILLE—Bason, Wm. & Son
Hulse, Chas. H.
Nunns, Robt.
Strong, Nelson

SCHENECTADY—Anker & Cornean
Avery & Simmons
Bailey, J. B.
Brougham, Geo. B. M.
Brown & Lowe
Buckley Cons. Co.
Caw, Wm. G., 29 N Ferry
Chubb, H. W.
Clements, Joseph H.
Davis, A. G.
Dickhoff, Sauel, Hulett & Delmont av
Eggleston, G. W.
Fink Bros.

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Gridley, C. M.
Griesman, Andrew F.
Hall, Fred. C.
Hanigan, Edw., 24 Nott ter
Hanrahan Bros.
Hewitt, E. C.
Jeffers, Allen
Jeffers, Lewis E.
Kinum, Andrew, 119 Park pl
Lewis & Burroughs
McCaron, James H.
McDermott, John
Maloney, James
Porter, E. R.
Reynolds, W. A.
Sager, Van D.
Schenectady Contracting Co.
Service, B. G.
Simpson, W. H. Co. (Not Inc.)
Swolensky, A.
Taylor, F. K.
Wellman, Walter, 928 State

SENECA FALLS—Fleming, F. W.
Stahl, Peter A.

SPRINGLAND—(See New York City, Borough of Queens)

STAPLETON—(See New York City, Borough of Richmond)

SYRACUSE—Burns, Wm. J., 1101 N State
Carr, William, 113 E Castle
Dickison, Guy B., 213 Kirk bldg
Heffernan, T. & Son, 100 Catharine
Hodge, I. A. & Co. (Inc.)
Detor, Geo., 808 Kirkpatrick
McCarthy, Wm. H., 2204 S State
O'Brien & Hoolihan (Large), 1718 Park
Tuck Woodworking & Building Co.

TARRYTOWN—Blouin, Alfred
Blouin, Joseph
Brewer, Jas. P.
De Rever, Irving
Duell, Jas.
Minnerly Constantine & Son
Page, David
Van Tassel, Milton

TOMPKINSVILLE—(See New York City, Borough of Richmond)

TONAWANDA—Brown, Chas.
Chase, Geo. E.
Rogers, E. H., Jr.
Smith, Peter
Winters, Carl C.

TOTTENVILLE—(See New York City, Borough of Richmond)

TROY—Bergemann, Andrew
Bison, Jas.
Boland, Chas. P. Co., Times bldg
Booth, Raymond M.
Breton, Fred. F.
Bulmer, James S.
Calhoun, David H.
Campaigne, Thos.
Campbell, Wm.
Cary, Geo. W.
Cary, Robt. T., 1704 Highland av
Casey, Philip
Cass, Chas. A.
Collins, Chas.
Collins, Thos.
Cooper, Wilson
Cardwell, Thos.
Corliss Cons. Co.
Crutchey, Jos. W.
Curtis, Geo. A.
Cushing, Garrett
Daly, Patrick
Darrow & Gallagher
Dollard, James (Large), 200 9th
Duncan, Charles (Large), Hill
Edwards, John N.
Ellis, Jno. E., State Bank bldg
Gontier, Edw., 42 Church
Graves, Edward
Hannan, Geo.
Haynes, Catherine L.
Hudson Valley Cons. Co., Times bldg
Jackson, M. G. & Son
Joyner Bros. & Co.
Kane, James
Kearns, P. J.
Kimball, Henry A.
Koerner, Wm. G.
Kroneck, John H.
Lasher, Guy W.
Lee, John H.
Mack, Nathan
Mansfield & Burton
Martin, Wm. E. (Large). Front nr Grand
Miller & Skov, 2d av c 9th, Lans.
Milligan, Jas.
Miorin, Anthony, 107 Church
Morrissey, James H., 371 2d
Murray, Martin
Neal Bros. Construction Co., head of Douw
Phillips, Francis M.
Powers & Mansfield Co.
Richardson, Mervin
Roth, L. & Son
Roth, Wm.
Soutare & Ritchie, 42 Bridge av
Spence, Geo., Jr., 53 Church
Stone, John A.
Wench, Jas. A.
Wylie, John W.

UTICA—Antes, John, 229 Dudley av
Byrnes, Thos. F.
Gassner, A. & Son
Griffiths & Pierce, 72 Charlotte
Hughes, Jno. F. Cons. Co., 33 Charlotte
Kerner, P. & Son, 2 Canal
Lloyd, Richard G., 39 South
McCaffrey, Patrick J.
McDermott, Thos C.
Peters, N. D. & Co.
Richards, Richard & Son, 42 Elizabeth
Roberts & Williams, 70 Charlotte
Troy Public Works Co.
Utica Stone & Cons. Co., 722 Genesee
Yoemans, D. A., 63 South

WALDEN—Crawford, Jas. L.
Kidd, Willard
Wooley & Sinsabough

WARSAW—Burlingame, Chas. A.
Christ, Otto
Crocker, Dell G.
Williams, Herbert

WATERFORD—Eveline Bros.
Griffin, John J.
O'Connor, B., 30 4th
Sherman, Chas. P., Ballston nr 3d
Sherman, Ephraim

WATERTOWN—Case & Folsom, 12 River
Charlebois Bros. (Also Mfrs.), 85 Factory
Semper, W. J.

WATERVLIET—Carr, Matthew J., 5th c 6th av
Nolan, Michael W., 715 23d
Preston, Richard W. & Son, 3d c 5th av
Read, Thos.
Sheehan, Thos. F., 18th nr 6th av
Smith, Jno. T., 19th nr R R
Young, Jas. T., 19th nr R. R.

WATKINS—Coughlin, John
White, George R.

WAVERLY—Baldwin, H. J. & Son (Large)
Higgins, J. J.

WEST BRIGHTON—(See New York City, Borough of Richmond)

WEST NEW BRIGHTON—(See New York City, Borough of Richmond)

WHITEHALL—Edmunds, W. J.

WHITE PLAINS—Briante, Rocco
Brown, Chas. F. & Son
Emberson, John
Higgins, Frank G.
Holden, Patrick
Locke, Wm.
Miller, Geo. L.
Richards, Tony
Smith's, Stephen W. Son
Sonberg, August
Tucker, Frank
Vermett, J. T.
Waite, Emmet E.

WHITESTONE—(See New York City, Borough of Queens)

WOODBURG—(See New York City, Borough of Queens)

WOODHAVEN—(See New York City, Borough of Queens)

WOODMERE—Schiffmacher, Chas.

WOODSIDE—(See New York City, Borough of Queens)

YONKERS—Arnold, C. F. & Son, 58 N B'way
Bark, Henry & Co.
Brewer, W. B., 24 Poplar
Bruce, Alexander, 357 Walnut
Cahill, Daniel, Central & Yonkers av
Chadburn & Edwards, 109 Linden
Currie, Walter W.
D'Ambrasio, Virgilio
Dawson, Alexander A., 29 John
Earl, Wm. J.
Ferguson, Robert, 45 Victor
Flagg Bros., 57 Armstrong av
Flannery, P. J., 90 Vark
Forsyth, Jno., 80 Livingston av
Gower, Fielding, St. Andrews sta.
Hall, Henry, 355 Van Cortlandt Park av
Halsey & Bro., 6 Wells av
Heapy, Abraham
Herd, John, 49 Cornell av
Hooper & Robbins
Hoyt & Miles, 183 Linden
Kearns & Hurt
Kelly, Geo. T., 14 John
Kingsley & Maxwell, Riverdale
Leidbold, Wm. C.
Leonhardt, Matthews, 358 Ashborn av
Lutkins, Andrew R., 165 Highland av
Lynch & Larkin, 165 Riverdale av
McCarthy Bros.
Mackay, K., 64 Main
Mallison & Phillips, 17 John
Mangini, Nicholas, 177 Waverly
Marotta, Vincent, 112 New School
Mee, F. B., 3 Bashford
Molloy, Murray & Co.
More, Abraham G.
Myers, John M., 134 Beech
O'Brien, Joseph, Lowerre Summit
Pyne, Thos., 71 Fairview
Quick, S. F., & Sons, 3 Atherton
Rundle, Geo.
Scott, Oliver John, 40 John
Sherwood, J. F., 31 Cedar pl
Smith-Corbett Co.
Smith, Geo. A., 62 Cornell av
Soeteman Bros., 4 River
Stewart, Alfred K., 330 Hawthorne av
Stewart, Robert L., 38 Wells av
Suterland & Cutbill, Fernbrook
Sutherland, Spencer K., Lewis parkway
Taylor & Dundon
Thomas, Stuart W.
Troy, Patrick G.
Van Leuven, Fred. S.
Walsh, Michael, 117 Palisade av
Westervelt, E. N.
Wood, Eber S., 40 Park Hill av
Woodhouse, H., 9 Halcyon pl

NORTH CAROLINA.

ASHEVILLE—Davis, T. E.
Kelly & Felthaus (Large)
Revell, O. D. (Large)
Reynolds & Erwin
Smith, Geo. G.
Westall, J. M. (Large)

BURLINGTON—Christian, L. C.

CHARLOTTE—Ahrens, F. W.
Asbury, S. J.
Cochrane, W. A.
Finger, W. J. M.
Gardner, J. A.
Grandy, J. D.
Hatch, J. H.
Hauser, W. H.
Hunter & Vaughn
Jones, J. A.
Malonee, J. N.
Propst Contracting Co.

CONCORD—Probst, A. H.

DURHAM—Houston, R. B.
Lawrence I. G.
O'Briant, P. P.
Salmon & Salmon
Smith, H. L.
Stanley, J. B.
Underwood, N.
Wilkerson, O. F. & R. E.

ELIZABETH CITY—Elizabeth City Cons. Co. (Not Inc.)
Hayman, L. L.
Martin, J. W.
Pearson, H. C.

GOLDSBORO—Angle, G. F.
Fussell, T. J.
Porter & Goodwin
Waddell, L. J.

GREENSBORO—Bain, J. W.
Central Carolina Contracting Co.
Hoecker, Chas. W.
Holloday & Crouse
Hunt, J. T. & Co.
Morris, J. C.
Pleasant, W. R. & Co.
Smith, John Y., 510 Arlington
Watson, W. A.
Waynick, J. J.

HENDERSON—Bunn, Robert
Weaver, E. L.

HICKORY—Abee & Edward
Elliott, J. D.

HIGH POINT—Baker, D. H.
Hall, Dennis H.
Montgomery, W. I.

RALEIGH—Barrow, W. B.
Briggs, J. D.
Ford Bros.
Hill, D. C.
Matthews, A. G.
Moser, M. A.
North Carolina Building & Supply Co.
Snuggs, C. P.

SALISBURY—Martin, Geo. B.
Propst, C. R.

WILMINGTON—Brady, R. H.
Burriss, J. H.
Furpless, Price
Glenn & Robertson
Rogers & Thomas
Shad, Joseph
Silvia, M. G.
Spooner, J. W.
Tyler, T. F.

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WILSON—Killette, E. F.
Wilkins Bros.
WINSTON SALEM—Bowman, E. C. Co.
Fogle Bros. (Large)
Holt, J. H.
Lohman, Chas.
Miller Bros. Co. (Large)

NORTH DAKOTA.

BISMARK—Lovin, Nils H.
Rhud, Hans C.
FARGO—Allen, Henry E.
Anderson, Geo. A.
Bowers Bros.
Edlund, Erick
Hogan, Andrew S.
Jensen, H. B.
Johnson, Anderson & Johnson
Kennedy, James
Pearson, W. D.
Porritt, C. H.
Powers, Thos. F.
Spear, J. M.
Wilson, Stewart
GRAND FORKS—Bailes & Perkins
Brown, Fred. J.
Buchinghan, Geo. W.
Dinnie Bros., 314 Alpha av
Elkhof, Jno., 206 S 3d
Hunter, K. C., 304 Int'l av
Moran, M. G.
Roberts, Robert E.
JAMESTOWN—Norton, W. A.
VALLEY CITY—Curran, W. J.
Lenhard, Edw.
MacDonald, Duncan
WAHPETON—Blanchard, Jno.
Northwestern Construction Co.

OHIO.

ADA—Anspach, D. M.
Rowles, Isaac E.
Sousley Bros.
AKRON—Carmichail, Geo. W. & Co. (Large),
Crisp, Jno. & Son Hamilton bldg
Dietz Lumber Co.
Fisher Bros.
Frederick, U. G. Co.
Henry & Patterson
Lyman, Hawkins Lumber Co. (The)
Marson, W. G. & Co.
Summit Cons. Co.
Star Planing Mill Co.
Summit Lumber & Building Co.
Weeks, F. H. Lumber Co.
Wilson, N. C. Lumber Co., 888 S Main
Windsor Brick Co. (Large)
ALLIANCE—Applegate, M. & Son
Boone, Robert M.
Devine, J. C.
Joliet, S.
Miller, E. L.
ASHTABULA—Warran, M. G. & Co.
ATHENS—Fenzel, Geo. L.
Kircher, C. P. & Co.
Nice, H. D.
Robbins, J. F.
Ward, Thos.
BARBERTON—Jackson Lumber Co.
BELLAIRE—Hallarbeck Contract Co.
Houston, A. L. (Brick & Stone)
BELLEFONTAINE—Coleman, H. F.
Defenbaugh, Wm.
Filson, A. R.
McLean, S. W.
Mitchell Contracting & Cons. Co. (The)
Parker Bros.
Shank, Chas. D.
Snyder, Mary E.
Sugrue, J. A.
Woodside, George M.
BLUFFTON—Althouse, Ewing & Co.
BRIDGEPORT—Loe, C. B. (Brick)
CAMBRIDGE—Bayless, H. J.
Forney, Chas. W. (Large)
Harris, J. M.
Hoyle & Scott (Large)
Jackson, James H.
CANAL DOVER—Hammond, Marion
Maurer, Chas. W.
Wentz, F. & Co.
CANAL FULTON—Bliler, Dan
CANFIELD—Blim, G. & Son
Porter, A. S.
CANTON—Berdel, J. G., 434 N Smith av
Bostick, Cyrus S., 1227 S Cleveland
Bowen, C. E., 719 S Cleveland av
Brumbaugh, Samuel, 1521 E Lake
De Vault, James & Co., 187 Werts av
Downes & Campbell, 348 Prospect av
Goodman, W. W., 1206 S Market
Hadley, John K., 1036 N Market
Hill Bros., 1721 Cedar
Huff, K. E., 1528 S Market
Jones, H. R.
Landor, E. J., 1010 Marion
Lenhart, J. G., 1607 N Cleveland av
Melbourne Bros. (Brick & Stone), 335 S
Metropolitan Cons. Co. (The) Cleveland
Shoof, Austin H., W 10th & B. & O. R. R.
Shoof, Wm. & Son, 1922 Tuscarawas
Skeels, John, 735 S Market
Stanffer, Daniel C., 617 Patterson
Van Kirk, J. L., 1231 Worley av
Whike, Geo. H., 1408 Woodland av
CARTHAGE—Helliming, August & Co.
CHICAGO—Andrews, S. P.
Williams, W. A.
CHILLICOTHE—Banks, Jacob
Gartner & Riehle
Gerber, Jos. & Son
Litter Bros. 5th c Ewing
McIntyre, Jerome
Pfaff & Smith
Talbott & Son
CINCINNATI—Allard, A. A., 560 Delta av
Atkinson, Robert, 912 Race
Ausdenmore, Henry (Stone), 916 York
Aufdembrinke & Son, 19 W Canal
Babel, W. F., 1217 Freeman av
Bagley & Heeg, 2207 Victor
Bankers Cons. Co., 3 Union Trust bldg
Barr, W. B., 805 B'way
Beckmann, F. W., 716 Laurel
Behrens, Henry, 15 E Baker
Belmont, Louis, 2177 Gilbert av
Bentel Bros., 3250 Montana av
Bice, Edward, Roanoke Flats
Bockelman & Son, 1724 Freeman av
Bohne, Henry, 1767 Powers
Bohnen, Leonard & Sons, 3821 Tozzer
Boller, Louis, 1426 W Liberty
Bothe, Herman, 4211 Leeper
Britt, Chas. E., 509 Hopkins
Brockmann, John H., 1608 Logan
Broeman, Frank, 3140 Goff av
Burke, John, 407 E 5th
Casey, Lawrence J., Builders' & Traders' Exchange
Clark, Augustus H., Builders' & Traders' Exchange
Colter, Archibald, Grand Opera House bldg
Cotteral Building Co., 5th & Main
Cramer, W. T. V., 15-16 Wiggins blk
Dale, J. C., 220 E 6th
Dauch, G., 2924 Vaughn
Desch, A. & Co., 2806 Scioto
Dimmick, D. R. P. & Co., 53 Pickering bldg
Drake, C. F. & Son, 1678 Hofner
Dratt, George, 2725 W 6th
Easley Bros., 18 W 7th
Eberhardt, G. A., 19 Wiggins blk
Ellis, W. H. & Co. (Large), Mitchell bldg
Evans, Evan (Brick), 1226 Ida
Evans-Rendigs Co., 2017 Reading rd
Fairweather, G. M., 820 Locust
Farrell, G. A., 765 Kenyon av
Farrell, P., 8th & Plumb
Feller, John J., 2429 Vine
Flynn, Wm. P., Chase av & Dane
Forshee, W. E. & Co., Builders' & Traders' Exchange
Fox, C. E., 2216 Reading rd
Fuerst, Cornel & Son (Brick), 2287 Vine
Gehred, N., 645 Neave
Gerke, John, 2338 Wilder av
Gest, G. M., 1122-24 Union Trust bldg
Gilfillen, Samuel, 4215 Turrill
Glassmeyer, Jos. St. Clair, 2719 Hackberry
Glassmeyer, Jos. J., 544 Hopkins
Glazer, W. A. & Co., Hurlburt blk
Goldkamp, Albert, 1706 Madison rd
Goldkamp, Louis, Builders' & Traders' Exchange
Goodman, John & Co., 2133 Florence av
Green, W. T. & Co., 217 E Pearl
Griffith, Jas. & Sons, Reading rd & E 12th
Hallfelder, John, 233 W McMillan
Harders & Joehnk (Brick), 434 W McMicken
Harig, Henry & Co., 31 E 4th av
Harvout Bros., 606-7 Mercantile Library bldg
Hazen, L. P. & Co., Reading rd & Elsmore
Heck, A. R., 1704 Queen City av av
Heffron, Wm. Cons. Co. (The), 810 Neave
Heister, Peter, 231 Main bldg
Helmig, Wm. H., 2030 Eastern av
Henkel, August J., 703 Mercantile Library bldg
Henkel & Sullivan, Mercantile Library bldg
Herman, Henry, 1673 Blue Rock
Hiener, Anthony, 2958 Colerain av
Hirschfield's, Theo. Sons, 1040 Straight
Hoke Bros., 13 Allen bldg
Iliff, Chas. E. & Bro. (Brick), 314 E 6th
Holtzineer, H. E., Builders' & Traders' Exchange
Hotchkiss, Elisha, 1220 Oak av
Hummel, David Building Co. (Large), 2629 Spring Grove av
Hunt, Geo. A., 954 E McMillan
Jewell, John A. & Son (Brick), 1612 Hopple
Kaiser, A. & Son, Corbett av S of Ferris av
Keystone Cons. Co., 1113 Traction bldg
Kiewit, John, 1115 Queen City av
Kirchner Construction Co., 8th & Plum
Langhorst, Fred., 1907 Western av
Leeds, W. C., 2915 Observatory av
Leimann, Wm. & Bro., 2303 Clifton av
Lindemann, J. H., 2615 Jefferson av
McDermott, Joseph, 2521 Essex pl
McGarvey-Holiday & Co., 32 Thomas bldg
McLennan Bros., Pickering bldg
McMiller & Taft, 1308 Central av
Maloney, Thos., 1858 Forest av, W H
Marcus, M., Building Co., 1515 Plum
Mason, Geo. E. (Brick), 129 Builders' & Traders' Exchange
Meier, Edward, 3555 Montgomery pike, Evanston
Meinken, Dietrich, 2118 Western av
Meyer, Anthony, 832 Laurel
Meyer, Wm., 2623 Fenner
Miles, Eugene, 3837 Edgewood av
Miller, Wm. & Son, 2020 Elm
Mills & Ott, 216 George
Murr, Samuel, 68 Race
Nicholson Bros., 1st National Bank bldg
Otte Building Co. (Not Inc.), 2010 Linn
Otte, Fred, 1924 Western av
Parker, Noak & Son, 1016 Purcell av
Payne & Co., 631 W Court
Peacock, Samuel D., 12 E Commerce
Pickel, Peter, 30 Goodman
Planitz, A., 1504 Linn
Plump, G. H. & Sons, 1415 Mansfield
Price, John, 1450 Eastern av
Quill & Poos, 918 Morris
Rawlings, C. A., Builders' & Traders' Ex.
Reuwer, Fred. H., 1831 Sycamore av
Rhea, Al., 1812 Langdon av
Roche-Brunner Building Co., 4th Nat. Bank
Rolfes, John, 222 E 12th bldg
Rosenstiel, Chas., 606 Reading rd
Ruebel Bros., Atlas Bank bldg
Schardt, August, 2234 Victor
Schloss, A. & Son, 304 E 3d
Schmitt, J. B., 216 E 6th
Schmitz, J. J., Observatory av e of Herschel
Schuberth, Wm., Jr., 239 Mill av
Scully Cons. Co., Builders' & Traders' Exch.
Sheridan, Kirk Cons. Co., Mer. Lib. bldg
Specter, Samuel, 1991 Central av
Steinbicker Bros., 953 W Court
Strack, Thomas P., 31 Goodall bldg
Sulau, Geo., 4234 Dane
Vondebrinke, Theo. & Co., 1701 Montrose av
Waldron, L. W., 220 Post sq
Walton, Reuter & Co., Pickering bldg
Webb, Lincoln M., 703 Mt. Hope av
Weber, Adam, 4220 Spring Grove av
Weddig, A., 703 Mt. Hope av
Werdman, H., 1075 Grand av
White, Thos. C., 705 B'way
Wiley, F. B., New Richmond pike
Wiley, W. C. & Sons, 1211 Herschel av
Wilson, Jas. B. Concrete Co., 1st National Bank bldg
Woodward, W. & F. H., 817 Elberon av
CIRCLEVILLE—Fosnaugh, Henry W.
Hoffman, Frank
Reichelderfer Bros.
Salter, W. K.
CLEVELAND—Allen, Wm., 1229 Chestnut, N E
American Cons. Co., Rockefeller bldg
Austin, Samuel & Son Co., 4401 B'way, S E
Beers & Doolittle, 716 Society for Savings
Brightmore, Geo. J., 415 Champlain av, N W
Cleveland Cons. Co., Citizens bldg
Collier, H. G. Co. (Not Inc.), 319 Garfield bldg
Connelly Cons. Co. (The J.), Schofield bldg
Dall, A. & Son, Lennox bldg S W
Dunbar, Wm. & Co., 511 Champlain av, N W
Enterprise Paving & Cons. Co., 202 American Trust bldg
Fath, C. H. & Son Construction Co. (Brick & Stone), Electric bldg
Gill, John & Sons (Large), Citizens bldg
Griese, D. C., & Walker Co., 1417 Prospect, S E
Harris, Wilson & Son, 1897 W 3d, S W
Holbeck Co. (Not Inc.), 924 Rockefeller bldg
Hunkin Bros., Cons. Co., Cuyahoga bldg
Lease, Chas. W., 3704 Kelly
Lindhorst, F. & D., Superior bldg
McAllister, Wm. B. Co., 2165 E 31st, S E
McMillan, Geo. B., 313 Bangor bldg
Marthey Plaster Co. (The), 2181 E 82d
Masters & Mullen Cons. Co., 858 Rose bldg
Moore, Wm., 1375 W 2d, N. W.
National Co. (The), 505-6 Williamson bldg
Reaugh Cons. Co. (The), 516 Garfield bldg
Rutherford, Geo. A. Co., 2060 E 4th
Skeel Bros., 1656 Columbus rd, N W

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Slatmyer, Henry G., 203 Lakeside av, N W
Standard Contracting Co., Wade bldg
Stevenson, F. D. Contracting Co. (Large) The Arcade
Strong, C. H. & Son, Cuyahoga bldg
Stroud, E. G. Co. (The), 1023 Rose bldg
Tuttle, I. D., Blackstone bldg
Vanderwerf Co., 1234 Chestnut, N E
Warren, Jay B., 600 Champlain, N W
Water Works Cons. Co. (The), 727 Citizens bldg
Webber, B. T. Co., 2350 Franklin av
Williams Bros. & Morse Co. (The), Builders Exchange
Wilson, John, Independence rd
Younger & Farmer, 2273 E 71st, S E

COLUMBUS—Abbott, N. B., 85 N High
Armentrout, Harry C., 451 E Rich
Barton, E. H., 51 W Frambes av
Beard & Jacques, 259 S Pearl
Beasley, L. F., 664 S Champion av
Beckett, E. E., 674 S Ohio av
Berry, Eli, 1987 Tatnick boul
Blair, Jos. F., 1718 Bryden rd
Bolin, B. F., 1367 Wesley av
Boyer, Adam, 2 High n of N B'way
Braun, John, 564 E Fulton
Broomhall, T. W., 1217 Hunter av
Brown, F. A., Jr., 216 Marshall av
Brush, J. D., 27 W Northwood av
Bues, Frank E., 107 N Washington av
Burkett, D. C., 509 Linwood av
Burns, M. J., 40 Board of Trade
Callahan, Thos. R., 434 E Long
Capell, Thos., 2586 Terrace av
Carruthers, W. J., 1232 Madison av
Cherry, Wm. W. E., 40 W Main
Cockell, Harvey, 200 W 10th av
Coleman, J. H., 57 W Park av
Collins, Walter, 199 N 21st
Coulter, J. B., 2198 N 4th
Cranston, Walter H., 81 W Frambes av
Cull, Patrick C., 247 N Garfield av
Culp, Hy. N., 1413 Oak
Denman, Chas. W., 860 Dennison av
Duvall, Leroy M., 1159 E Long
Eisele, Wm. & Co., 767 S 27th
Elevier, A. E., 175 S Scioto
Erfurt, Fred'k, 1067 City Park av
Ewers Bros., Vine & Armstrong
Ewers, Thos. G., Spring & Dennison av
Fletcher, C. H., 1439 Cole
Francis, Albert, 225 N 17th
Fravel, Sereno, 70 N 21st
Fuller, W. N., 546 Linwood av
Garrison, C., 1471 Michigan av
Good, Jacob, 562 E Main
Goss, Chas. O., 1048 W Broad
Gray, Stanley E., 1105 Fair av
Grube, F. A., 43 E Innis av
Hagerty, John D., 252 S 18th
Hall, E. M., 455 S Champion av
Harding, Michael, 762 Hamlet
Heckart, John W., 1111 Michigan av
Heiser, John, 710 Gilbert
Henton Bros., 68 E Russell
Hetrick, L. D. & Bro., 749 Wilson av
Hibbs, E. K., 735 Columbus Trust bldg
Hina, J. H., 711 Oakwood av
Horlocker, John W., 1601 Granville
Hummel, John, 846 S 5th
Isabel, J. B., 215 E 9th
Isabel, S. J., 137 W 10th av
Jaeger, Otto, 396 Parsons av
Jaquith, Louis W., 215 Hayden bldg
Jones, Isaac O., 707 Grove
Jones, Morgan, 546 E Long
Julian, V. S., 1085 Hunter av
Kanmacher, G. H., 7 Auburn av
Kientz, Jno., 788 S 5th
Kling, G. W., 46 16th av
Knight, Robert, 262 St. Clair av
Kuhn, Winfield S., 1248 Penna. av
Kuhnheim, John, 902 Mohawk
Kuntz, J. E., 171 N Monroe av
Lang, E. & C. (Stone), 551 S 5th
Latham Cons. Co. (The)
Lawler, Thos. C., 709 W Town
Lawson, Robt. (Stone), 1134 N High
Lawson, Wm. O., 14 W Frambes av
Lohrer, Jacob, 333 E Mount
Lucas, John H., 2438 W Broad
McAllister, Chas. A., 86 Miami av
McCarty, John, 1324 E Broad
McGrath, D. W., New 1st Nat. B'k bldg
McNichols, H. S. & Son, 525 Germania
McVey, Edward L., 1947 S 9th
Maxwell, Allen O., 257 E Germania
Merkle, Wm., 625 S 5th
Mitchell, J. M., 529 W 4th av
Mohing, J. T., 1394 Oak
Mueller, H. W., 662 S Briggs
Neely, S. G., 545 Hill av
Nunemaker, Jas. P., 48 Avondale av
Ohio Realty & Cons. Co., 1006 Capitol Trust
Owston, Thos. F., 961 Highland bldg
Pitts, Adam, 36 W Tompkins
Plemmer, Richard, 1188 Oak
Poppenhager, J. J., 156 Mithoff
Richter, Henry, 711 S Front
Roberts, D. W., 79 N 21st
Roberts, W. A., 821 Reeb av
Ruisinger, Jacob, 735 S 5th
Saum, Israel C., 197 N 18th
Sauter, Frank, 658 Lathrop
Schillinger Bros. Co., 40-41 Douglas bldg
Schirtzinger, Frank X., 705 New York av
Schlapp, P. A., 1183 S High
Schneider, C. W., 632 Linwood av
Seliger, J. N., 685 S 3d
Shaw, Harry J., 609 Outlook bldg
Sisco, Albert A., 180 N 21st
Skinner, W. D., 83 W Maynard
Smith, Bert F., 216 Lexington av
Snider, Jas. E., 603 E Mound
Spencer, David, 244 W 9th av
Stevens, B. F., 996 Bellows av
Stirgwaldt, John, 1953 Mt. Vernon av
Street, Milo P., c Clark & Windsor avs
Stropes, Jas. A., 369 Charles
Sturm, L. E., 310 (The), Wyandotte
Stutson, J. W., 642 E Main
Sullivan, B. F., 667 W Town
Sweeney, John W., 894 E Livingston av
Thompson, Wm. H. & Son, 56 N Skidmore
Tonkinson, Chas. W., 93 Dakota av
Trapp, Geo., 280 Germania
Tuggle, Chas. H., 89 Midland av
Walter, Bert, 361 Buttles av
Watson, Wm., 807 W 9th
Wells, Robert E., 766 Sullivant av
Westwater & Casey, 701 Wyandotte bldg
Winters & Farrington, 214 McCune bldg
Wise, O. P., 1170 Mt. Pleasant av
Wright, R. Clark, 80 N High
Wygant, Clarence, 604 E Mound

COSHOCTON—Boch, Geo. J. & Son
Burrell, T. H.
Kissner, J. N.-Sons Cons. Co. (The)
Norman, Thos. J.
Richards, Jacob
Shaw, John L.
Willimas, S. M.

CUYAHOGA FALLS—Bates, A. R. & Co.
Falls Lumber Co. (Large)

DAYTON—Alger, Amos A., 11 Cass
Backus, T. J. Cons. Co., Reibold bldg
Baren, John W., 34 S Huffman av
Beers, L. B. & Bro., 18 E Pioneer
Colonial Cons. Co. (The), 278 Arcade
Couch, R. L., 1528 W 3d
Dayton Cons. & Engineering Co. (Not Inc.), 403 Conover bldg
Ditzel, Henry F., Bickham nr Linden av
Dover, Samuel B., 1600 S Wayne av
Fauver & Renick, 71 Callahan Bank bldg
Hager, Henry M., 120 S Campbell
Hall-Kepple Co., Davis
Hawker, David, 454 S Quitman
Hicks, Geo. B., 915 U. B. bldg
Hilt, Wm. A., 21 S Charles
Hosket Bros. & Waltz, 25 E Union av
Hosket, Chas. F. (Brick), 662 E Richard
Julick, Theo. & Son, 50 W Howell av
Kempert, A. F. (Brick), 245 S Morton av
Law, L. L., 511 Valley
Luyster, W. W., 915 U. B. bldg
McCarthy, Wm. & Co., 302 Gibbons Arcade
Minnigan, P. W., Bruen & Longworth
Parish, E. K., W 3d
Reasar, O. M., 210 W Leroy
Rehling, Wm., 2518 E 3d
Rouzer, John Co. (Large), 71 S Wyandot
Shoup, J. O. & Co., U. B. bldg
Talbott, H. E. & Co., Reibold bldg
Teigler Bros., Patterson bldg
Tejan, Frank, 14 Edgar
Wehner, Jos., 121 W Ziegler
Worrell, C. E., Baker & Longworth
Wroe, A. & Son, 449 N Grafton av
Wysong, Jacob, 416 S Summit

DELAWARE—Cullen, L. H.
Dent, J. H.
Hessey, H. D.
Long, Wellington
McDonald, James
Riddle, Chas. W.

EAST LIVERPOOL—Cain, Jno. C.
Hill & Wallace
McHenry, Harvey
Nease, C. & Co.
Phillips, Geo. J.
Rinehart Bros.

EAST PALESTINE—Hofmeister, J. C.

FINDLEY—Duttweiler, F. W.
Folk Bros.
Horne, Geo. J.

FRANKLIN—Roof, Wm. S.

FREMONT—Wolfe, C. M.

GALLIPOLIS—Danner, J. E.
Duvall Bros.
Leonard, M. F.
Mullineaux Bros.
Wigner, Jno. H.

GREENFIELD—Hallam, Jas.

GREENVILLE—Beanblossom, Thos.
Clark, Chas.
Clark, S. J.
Fry, W. S.
Irwin Bros.
McKeon, C. S.
Medford, G. C.
Neiswonger, A.
Webster, N. B.

HAMILTON—Bender Co. (Large)
Boaz Pattern Works
Davis, Frank J.
Eisel, C. F.
Graver Transfer & Cons. Co. (The)
Kinch, Frank
Lingler, Geo., 322 Hanover
Loutham, W. H. & Co.
Riegler, J. C.
Ross, John L. (Large), 218 Sycamore

HILLSBORO—Hern & Lepley

IRONTON—Akers, Thos. C.
Black, S. G.
Cook, H.
Dyer, E. B.
Francisco, H. M.
Francisco, J. H.
Fugitt, W. H.
Hall, F. Mack
Hall, T. B.
Ironton Cons. Co. (The)
Mulligan, M. A.
Schweickart, Wm. L.
Tri-State Improvement Co.
Wileman, Jas.
Wileman & Hebling

JACKSON—Bierley, Sherman
Brown, H. M.
Eisnaugle, Bros.
Hankle, Jno.
Long, Lewis:

KENTON—Burkart, Jno.
McArthur, D. R. & Co.
McGill & Lambert
Scott, John S.

LANCASTER—Brooks, Albert H.
Crook, J. Carl
Geiser, Jacob
Gray, Jos. H.
Henry, R. F.
Justus, C. F.
Kober, Wm. H.
Manger, M. F.
Mowery & Darbyshire
Older, Geo. W.
Schmelzer, Blase
Strachan, Wm.

LEBANON—Hopping, W. H.
Monroe & Johnston

LIMA—Heil, Valentine, c Eureka & Jackson
Ruhlen & Miller, 122 E Wayne
Smith & Sherrick, W., 161 E Eureka

LISBON—Forse, Geo.

LOCKLAND—Wilson, W. A.

LOGAN—Stephens, Chas. H.

LONDON—Carter & Foster
Illiff Bros.

MADISONVILLE—Boyd, J. W. & G. M.
Cornelle & Linder
Gomien & Settle
Grosse, C. Chas.
Haas, Alfred
Mathis, Daniel (Brick)

MANSFIELD—Berry, Chas. V. (Large)

MARIETTA—Connor & Battersby
Dickson, Beardsley & Foreman
Dowling, C. W.
McHugh, J. F.

MARION—Apt, J. F.
Beringer, Jno. E.
Brady, A. G.
Brady & O'Connell
Carroll, Thos. J.
De Lander, L. H.
Drake & Son
Hoffstetter & Dawson
Hummer Cons. Co.
Kelly, P. & Co.
Kinsler, J. H.
Leffler & Bland (Large)
Molloy, D. F. & Bro.
Moon, E. S.
Murphy, Jos.
Orr, Geo. B.
Shaw, M. W. & Co.
Stafford, W. C.
Wooley, W. C.

MARYSVILLE—Fleck, E.
Kennedy & Millice
Sharer, D. & Son

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Tracy, T. C.
Weidman, W. R.
Welch & Jones
Wood, Hylas
MASSILLON—Converse, Emil
Diefenbacher, Philip & Son
Vogt, W. H. & Sons
Wendling, A. F.
MIDDLEPORT—Beeson Bros.
Boice, Hollis
Talbott & Lindsay
Wise & Beach
MIDDLETOWN—Bauers, Henry
Caldwell & Iseminger (Large)
Denny, Chas (Large)
Dome, Geo.
Dorne, Henry
Fresh, E. L. & Bro.
Gingerich, David
Gingerich & Lanier
Jacobs, Stephen R.
Kilgour, James R.
Mininger, Wm.
Smith, Wm. & Co.
NELSONVILLE—Hill, Jno.
Landis, B. F.
Vorhes, Chas.
Vorhes, W. H. (Brick & Stone)
NEWARK—Abbott, J. T.
Bope, E. E.
Cramer, Melville
Cripps, S. E.
Davis, A.
Debard, Hugh
Fristoe, S. B. & Son
Hamelback, J. H.
Hannan, J. H.
Hawkins, O. J.
Jones, B. B.
Kinney, F. H.
Linn, Jas. C.
Palmer Bros.
Phillips, P. S.
Robb, Marion
Shauck, Edgar A. (Large)
Smith-Cramer Cons. Co. (Not Inc.)
Taylor, D. J.
Wagenheim, M. J.
Wells, W. C.
Whitehead, E. F.
NEW COMERSTOWN—Brodie, W. J.
NEW PHILADELPHIA—Dick, Chas.
Doughnerty, O. O.
Rapp, Geo. D.
Springer, Leroy
Thompson, Wm. M.
NILES—Mango, V. & Co.
Niles Lumber Co.
NORWALK—Carpenter, W. G.
Clark, E. E.
Evans, J. M.
Leimann, F. G.
McBee, John
McCohn, C. D.
Massman, Anton & Son
Murdock, Geo. W.
Rohling, Henry A.
Snyder, John
NORWOOD—Baker, J. M.
Eyre, Louis
Greiwe, E. R.
James, O. A.
Kleine, F. G.
O'Brien, J. T.
Rottman, Herman
Stagge, Henry
PIQUA—Anderson, Jno. H.
Cramer, Grant
Fry, A. M.
Phillips, Fred. & Son
Richardson, O. W.
POMEROY—Bauer, George (Brick) & Stone)
Kautze, Abe J.
PORT CLINTON—Bertsch, Edward
PORTSMOUTH—Bradley, Wm.
Dawson, Richard L.
Donaldson, W. W.
Goodrich, B. F.
Gustin, D. W.
Hossman, Henry
Kaps Bros.
Kelly Bros.
Mann, Thos. O.
Mead, Isaac F.
Monroe, Samuel & Son
Nave-Ryan-Curtis Cons. Co.
Pfeiffer, E. W.
Pratt, Wm.
Smith, Joseph L.
RAVENNA—Frank, P. L.
ST. BERNARD—Espel, Jas. F. (Stone)
SALEM—Buell, Samuel
Jessup, Jas H.
Kille, E. I.
SANDUSKY—Doerzbach, Geo. W.
Feick, Geo. & Co., Central av
Webber, John P., 802 Central av
SIDNEY—Altenbach, Jas. & Son
Fisher, Geo. D.
Loudenbach, S. L.
Orr & McCune
SPRINGFIELD—Athy, Raymond W., Limestone & Leffel la
Bartholomew, O. N., Cliff c Cedar
Berry, E. W., 53 Fisher
Bird, Chas.
Bolan, Joseph (Stone), 72 Kenton
Boss, Jos. A.
Brannan, Thos. (Stone), 177 S Spring
Clark, S. G. & Sons, 78 W Main
Crist, W. L., Jr.
Dalie, J. H., North c Spring
Gladfelter, Ryburn R., 296 W North
Hern, W. J., 674 S Limestone
Hinckle, Jacob A.
Houlton, S. B.
Keith, Chas N.
Morningstar, W. F.
Mumma, C. E.
Numberger, Wm. F., 418 Lagonda av
Poole, Wm., 77 W Pleasant
Ports, J. S.
Poss, Anthony, Limestone & May
Reeder, John D.
Seiver, Wm. R., 90 S Western av
Taylor, S. S.
Wilbert Building Co. (Not Inc.)
Yost & Sullivan
STEUBENVILLE—Burke, Thos.
Flote Bros. (Stone), 556 N 7th
McDonald, A. W.
McFeeley Bros.
Myers & Stewart
Nicholson, Ed.
Puwiance, Thos. H.
Still, Jno. R.
Yocum, C. M.
TIPPECANOE CITY—Tipp Building & Mfg. Co. (Large)
TOLEDO—Bentley, A. & Sons, 37 N Huron
Browne, L. F., The Spitzer
Kerlin Bros. Co. (The), 602 The Nashby
Maumee Wrecking Co. (The), 369 S Erie
Toledo Building Co. (Not Inc.)
Toledo Cons. & Supply Co., Nicholas bldg
TROY—Dietz, M. T.
Dilts, Milton T.
Hennessey Bros.
Pearson, Willis A.
URBANA—Creager, C. E.
Dickerson, Louis
Poffenberger, Ira
UHRICHSVILLE—Lickey, J. H.
Westlafer, Philip H.
WARREN—Bullus, Benj.
Coe, Thos. R.
Watson & Sutherland (Brick & Stone)
Wilkins, R. S.
WASHINGTON C. H.—Barber, D. J.
Hammer, W. H.
Williams, Jas. R.
Wilt Bros.
WELLSVILLE—Aughinbaugh, H. C.
Forbes, Jas. A.
Murdock, G. F.
WESTERVILLE—Karg, H.
WILMINGTON—Custer, Albert
Doyle, Jno.
McCullum, Frank
Shepard & Sons
Thompson, Jno. H.
Wakefield, J. J.
XENIA—Anderson, Horace
Berry, T. E.
Dice Bros.
Farrell, Jno.
Griesbaum, Jos.
Lyod Contracting Co. (Not Inc.)
McCurran Bros.
McCurren & Son
McGarry, Jno. C.
Owens, Thos. C.
Rader, E. C. (Brick)
Spahr, A. J.
Thornhill Bros.
YOUNGSTOWN—Beede, Theo. G.
Frolund, M. W., 2 Woodland av
Frush, Marcus L.
Heller Bros. Co., W End Raven av
Hersey, Geo. D.
Hess, D. F.
Hillman, A. D.
Joyce, M. J.
Lightbody, Thomas M. (Large)
Loney, John
Long, Bros. & Co.
Mahoning Lumber Co.
Mauser, Christ., 25 N Walnut
Merrian, W. F.
Miley, A. S.
Niedemeier & Restle
Palmer, W. H. Co.
Peat, W. R.
Sprague, P. E., 566 High
Thomas, J. O., 731 Thomas
Tibbits, B. C. Lumber Co.
Vogelberger Bros.
Williams, O. D.
Young, Arthur G.
ZANESVILLE—Atkinson, C. L.
Clifton Bros.
Denny Bros.
Dunzweller Bros.
Evans, R. H. & Co., 622 Main
Frazier, Wm. S., 247 Ridge
Fritz Bros.
Handshy, W. C., 248 Ridge
Hoffman, S. W.
Humphrey, J. C.
Israel, F. L., 451 Moxahala
Linn, J. W., 32 Hall
Marple, O. H.
Mast, Emanuel E., Green av
Nesbit, J. H.
Price, J. D.
Townsend, F. M.
Townsend, T. B. Co.
Vinsel Co., Brighton boul
ZIMMERMAN—Lantz, Geo. W.

OKLAHOMA

EL RENO—Buse, E. E.
Gilligan, John
Gilligan, T. G.
Ellsworth, J. E.
Hubbard, J. C.
Kilipke, A. C.
Leak, Mack
McDonald, V. H.
Newsome, Robert
Riley, W. H. & Co.
GUTHRIE—Brickner, J. T.
Kennedy & Cotton
KINGFISHER—Sockler, Chas. E.
MUSKOGEE—Municipal Contracting Co. (The)
OKLAHOMA CITY—Anderson, T. R. Cons. Co.
Duemcke, Albert
Powers, J. C.
POTEAU—Terry, J. S. Cons. Co.
SHAWNEE—Shawnee Cons. Co.
SPIRO—Holt, W. S.
TAHLEQUAH—Alston, Wm.
TALIHINA—Root, W. J.
WOODWARD—Faira, C. R.
Hansen, J. H.

OREGON.

ALBANY—Hadley, I. F.
ARLETA—Berger, F. W.
ASHLAND—Payne, E. C.
ASTORIA—Birch & Jacobson
Edison, Jacob
Fastabend, J. A.
Ferguson & Houston (Large)
Frederickson Bros.
Goodwin, W. A.
Gustafson, E.
Hartwig, Ludwig
Lebeck, Leander
Mattison, John
Miller, William
Palmberg, C. C.
Wilson Bros.
BAKER CITY—Grant, Thos. E.
White, J. C.
BARLOW—Andrews, John A.
BONANZA—Pattee, Chas.
BOYD—Clark, Neal
CLATSKANIE—Hiatt, J. P. & Son
McKay, I.
DOLPH—Steinmassl, Joseph
EUGENE—Heckert, W. O.
Lombard, A.
McFarland, V.
GARFIELD—Davis, J. J.
Palmateer, J. H.
GLENADA—Colter, G. H.
GRASS VALLEY—Claxton, T. J.
HARRISBURG—Canter, M. W.
Scott & Stephens
HEPPNER—Hill, Wm.
Johnson, Henry
HOOD RIVER—Frederick & Arnold
Stranahan & Slaven
Wright, J. M.
JACKSONVILLE—Ficke, Fred. J.
JUNCTION CITY—Linder, H.
LA GRANDE—Haworth, S. R.
Krieger, George, Jr.
Slater, J. L.
LAIDLAW—Hall, Wm.
Updyke, G. W.

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LAKEVIEW—Handley, James
LEXINGTON—Davis, W. G.
LOGAN—King, Foster H.
McMINNVILLE—Seiters, Jacob
MARSHFIELD—Holland, Wm. W.
McGann, F. G. & Sons
Marshfield Girdiron & Cons. Co.
MEDFORD—Gray, R. W.
Medford Brick Co.
MIDDLETON—True, C.
MILTON—Wormington, Frank
MILWAUKEE—Birkemier, F.
Kerr & Spindler
Snyder, J. M.
Totes, T.
NEWPORT—Flowers, A. F.
Flowers, J. W.
Sheffield, C. E.
OAK GROVE—Bentley, L. E.
OAKLAND—Miller, T. T.
ONTARIO—Draper, J. A.
PAISLEY—Woodward, J. C. & Son
PARKPLACE—Peckover, H.
PENDLETON—Boothby & Hale
Gibson & Cole
Harlow, E. E.
La Dow, Geo. I.
OREGON CITY—Baker, F. S.
White Bros.
PORTLAND—Beat, Robt. B., 453 Washington
Bingham, Jno. (Brick & Stone), 5th & Adler
Bingham & McClelland
Bridges, J. B.
Brooks & Downing
Camp, Herbert L.
Currier, R.
Donaldson, G. W.
Findley, Flex
Freeman, M. E.
Friberg Bros.
Gallagher, J. H. & Co.
Gangloff, Flynn & Co.
Gardner & McLennan
General Contracting Co.
Gensch, K. H.
Giebisch & Joplin, Labbe bldg
Giedhart & Tanbert
Gordon, G. W., 208 4th
Green, T. C.
Grieder, John
Griffis, J. H.
Griffith, Frank S.
Grimshaw, Henry W.
Hand, John F.
Hobkirk, Peter
Holmes, J. W. & Co.
Horn, I. D.
Howard, Harry A.
Hughes, N.
Hyland, James
Keenan Bros. Co.
Kilgreen, J. G., Chamber of Com. bldg.
Krimble, Jacob
Langford & Walker
Lewis & Lewis
Litherland, F. L.
Lynds, E. A.
Lystrup, Max
McInnis & Reed
McKenzie, A. M.
Madden, W. J.
Marshall, James I.
Melton, J. A., 204 4th
Merchant, J. M.
Millard, F. A. & Co.
Muir, Alex.
Multnomah Mill & Cons. Co.
Nash Bros.
Nelson & Riding
Neylon, Ed. M.
Northwest Investment & Cons. Co.
Oliver, G. W.
O'Neil, John R.
Palmer & Ellison
Peterson, A. F., 52 Lucretia
Phelps, S. E.
Pinckney Bros.
Preston, P. A., 334 Stark
Reder, E. W.
Richardson, J. J.
Riner, R. M.
Ryan, Edward
Ryckman, Peter A.
Seed, John S.
Shorno, L. C.
Simpson, Fred. M.
Sinclair & Sims
Smith, B. F.
Smith, Geo. D.
Smith, H. N.
Snyder, J. H. & Son
Standard Cons. Co., Sherlock bldg
Steele, W. B. Cons. Co.
Stewart & Winslow, 330 Couch
Stokes, Wm. R. & Co., 109 Grand
Sweeney, J. W.
Velguth & Pierce, 375 Holloday av
Wallace, J. M.
Williams, James O.
Wiser, Peter L. G.
SALEM—Dalrymple, W. H.
Erb, Ira
Headrick, A. L.
Hewitt, Joel
Jory, Oliver
Mourer, Geo. C.
Nelson, Jno.
Snook, Herman
Southwick, A. M.
Southwick, F. B.
Veatch, J. P.
Welch & Mourer
Young, J. W.
SEASIDE—Davis, T. A.
SPRINGFIELD—Chezen, John R.
Innis, J. B.
Walker, Herbert E.
THE DALLES—Fox, G. B.
Maxon, R. D.
Tyler, F. C. & Co.
TILLAMOOK—Brodhead, Sam. A.
Morris, W. A.
UNION—Nowell, T. G.
VERNONIA—Sessman, R.
WAMIC—Pratt, C. E.
WILSONVILLE—Boeckman, H. F.
Chalupsky, Jos.

PENNSYLVANIA.

ALLEGHENY—Aitkenhead, Wm., 122 Irwin av
Alston, A. & Son, Penn & Grant avs.
Beatty, W. D., 900 W Diamond
Blendinger, Fred. A. (Brick), 824 O'Hara
Bruggeman, P. F. & Co., 502 Avery
Cochran & Davis, 104 Erie, W. A.
Cochrane, G. A. & Co. (Large), 1210 Washington av
Fauble, P., 307 Arlington av
Gwinner, Fred'k, 1801 Market
Hays Bros. & Dodds (Large), 2050 Chartiers
Keown & Tootill, 215 Park Way
McCain, S. H., 1300 Veto
Tannehill, R. C. Son (Large), 1315 Federal
Trimble, John H. & Bro. (Large), 2022 Chartiers
Trimble, W. F. & Sons Co., 1719 Greenwood
Victor Cons. Co., 1514 Franklin
Wherry, Jas. & Co. (Large), 857 W North
Wissner, Henry, 1715 Washington av
ALLENTOWN—Albright, A. A. & Son
Gangemere, W. H. (Large), Young bldg
Hardner, Geo. H.
Heimbach, H. T.
Huber & Son (Brick), 514 N 7th
Kline Bros. & Co.
Lawfer, J. Harry (Large), 27 N 8th
Moyer, Wm. P., 528 N 6th
Ochs, Milton T. J. (Large), 450 Wire
Ritter & Smith (Large)
Shoemaker, G. W.
Snyder, Joseph P.
Weaver Contracting Co.
ALTOONA—Altoona Construction Co. (Large)
Bartley, C. B. & Sons (Large)
Brancher, Elmer
Burket, A. M.
Counsman, D. & Son (Large)
Elder & Cassidy (Large)
Fickes, H. & Son
Finn, Peter W. (Large)
Fishell, J. T.
Fleck, J. S. (Large)
Fluke, J. B.
Gulick, Lorenzo D.
Herr, W. H. (Large)
Hersh, A. J.
Hess, Harvey A.
Hinkle, H. G. (Inc.)
Hoffman, S. R.
Ivory, J. C.
Latchford, P. A.
McAllister, Daniel W.
McFadden, J. W.
McGinley, John B.
Mackey, Leroy B.
Nichols, S. R.
Orner, Martin V.
Orr, J. C. & Son (Large)
Pennock, W. L.
Rhodes, Samuel
Ritchey & Isenberg
Rupp & Riggle
Seedenburg & Fouse
Wilkenson, B. P. & Co.
ARDMORE—Cotter, Lewis L.
Dyson, Joseph
Foster, Herbert F.
Haws, Samuel R. & Son
Henzy, Peter
McConaghy Bros.
ASHLAND—Christ & Falker
Dreshman Bros.
Leibig, Charles P.
Madgeburg, Wm. (Large)
Maurer, Jacob J.
Young, Chas. H.
ATHENS—Foley, M. P.
AVOCA—Widdall, H. S.
BAKERSTOWN—Glasgow, R. R.
BANGOR—Graffin, W. T.
Merrill, Erwin
Stiles, John
BEAVER—Anderson & Cook
Tallon, Farr & Co.
BEAVER FALLS—Creese, Samuel & Son, 1505 6th av
Haller, Jno.
Kirker, L. C. & Son, c 4th av & 9th
BEDFORD—Lessig Bros.
BERWICK—Dodson, B. H.
Everhart, A. C.
Fahringer, Frank
Krug, Wm.
Sitler, J. W.
Zeiser Bros.
BETHLEHEM—Snyder, Harvey D.
Williamson, Henry O.
BIRDSBORO—Focht, L. H.
Mauger, A. E.
Moore, R. & Son
BLAIRSVILLE—White, W. J.
BLOOMSBURG—Casey, Michael
Reimard, C. H.
BRADDOCK—Bartley, Wm. W. (Brick)
Braddock Union Planing Mill Co.
Campbell, R. M.
Copeland Cont. & Supply Co.
Dowler, Eli R.
Hassett & Renick
James, D. J.
Kramer & Ridge
Lewis, A. L.
Phillips & George
Sharah, P.
Tomlinson & Whitehouse
Wallace, A. L.
BRADFORD—Blair, J. D.
Boss Bros.
Deck, John
Gayton & McKinney
Hall, F. D.
Hane, F. O.
Hanley, William
Hayes, James W.
Jacobson, N. T.
Kelly, D. J.
McKinney, Ferguson & Co.
Osgood, H. H.
Rizutte & Chido
Unruh, E. N. (Large)
Winter, Samuel D.
BRAEBURN—Schantz, D. B.
BRIDGEPORT—Kerns, R.
BRISTOL—Crichton, Wm.
De Groot, John N.
Lawrence, Ernest
Peirce, E. M.
Wollard, Chas. S.
BROOKVILLE—Hall & Lucas
Truman & Heidrick
BUTLER—Hobaugh, J. S.
Hoffner, Adam
Schenck, George
Welgand, Edward & Son
CALIFORNIA—Powell, J. A. & Co.
CANNONSBURG—Hall, Robert T.
McNary, E. E.
CARBONDALE—Atkinson, Hugh
Edgett, W. H.
Gibbs, John (Brick)
Howell, F. J. & Co. (Inc.)
Nemire, R. P.
Nolan, Jno. J.
Robinson, N. B.
Wright, Albert L.
CARLISLE—Brindle, A. N.
Brown, Harry G.
Faber, Lewis, Jr. & Son
Lackey, H. A.
Porter, James
Shatto, Jos. W.
Tritt, Jos. A.
Yarnall, W. S.
CARNEGIE—Clark, H. & W.
Davis, Robt.
Dushane & Lewis (Large)
Gow, George
Harris, Morgan
Morton, E. Clark
CATASAUQUA—Emanuel & Co. (Inc.)
Goldsmith, Franklin & Son
CHAMBERSBURG—Cump, C. E.
Frederick, Chas.
Hafer, Frank
Kengy, Franklin
McCanns, Jno. W.

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Minnich, D. B.
Minnich, Geo. & Son
Rhoads, Morris R.
Thomas, Abraham
CHESTER—Babe, James
Barnett & Bruner
Bell, Samuel R., Jr. (Large)
Bunyea, Martin B.
Bunyea & Dickerson
Hewes, Geo. D.
Hewes, Samuel A.
Holcroft, W. H. & Co.
Jaggers, Robert H.
Krotee, Harry J.
McCray, Heston D.
Montgomery, Samuel
Morris, H. Lewis
Nolan Bros. (Large)
Oliver, J. & T. (Large)
Phipps, Joseph H.
Plumley, Morris W.
Provost, William, Jr. (Large)
Reilly, Michael
Sheaff, A. P.
Taylor, J. Irvin (Large)
Ward, William
Wiegand, Geo.
Wiser, William J.
CLEARFIELD—Lukens, Wm. A.
Snoke, J. D. & Bro.
Thompson, Geo. I.
CLIFTON HEIGHTS—Manly, T. F.
Morgan, John
Shee, Frank
Winterbottom, Edward M.
COATESVILLE—Ash, Charles H.
Dean, Frank A.
Doan, J. Ellsworth
Dunleavy Bros.
Elliott, Wm.
Entriken, John M.
Miller, Samuel C.
Super & Moulder
Thompson, W. A. P.
COLUMBIA—Broome, John C. (Plasterer)
Forry, John D.
Lockard, D. K.
Paules, G. W.
CONNELLSVILLE—Connellsville Cons. Co.
Keystone Planing Mill Co.
Sisley, J. M. Co.
CONSHOHOCKEN—Blanche Bros.
Cox, Christopher
Davis, Samuel
Hallowell, R. T. S.
Jones, A. H. & G. W.
Laverty, S. F.
Vanvosten, Howard (Stone)
CORAOPOLIS—Boyd, H. C.
Curry, W. C.
Knoff, H. A.
CORRY—Mount, A. P.
Munger, A. F.
Sandburg, V. M.
DANVILLE—Reifsnyder, G. F. (Brock), 332
Trumbower & Werkheiser (Large) Church
DARBY—Baker, Edwin S.
Fink, Jos. P.
Gotshall, Adam J.
Roberts, John T.
Staley Bros.
DORRANCETON—Carle, Thos. D.
Marcy, Geo. L.
Moyer, Wm. H.
Ransom, Coray B.
Ransom, Geo. E. & Son
DOWNINGTON—Guthrie, G. Thompson
Johnson, G. Curtis
DOYLESTOWN—Cloud, Morris E.
Hager, William L.
Hohlefelder, Wm. J.
Nyce, David D.
Treffinger, Lewis
Wilson, J. Harrison
Worthington, F. L.
DUBOIS—Betts, Stiteler & Co.
Kline & Potts
Overdorf, W. H.
Sober & Hatten
DUNMORE—Gilbons, Martin
Greaves, Walter
Huff, Curtis
DUQUESNE—Kerr, C. W.
EASTON—Keim, Reuben
Lerch, Frank J. & Co. (Large)
Luttenberger, Jacob
Morganstern, L. F.
Raub, Jacob (Large)
Siebler, W. F.
Steinmetz & Walter (Large)
EAST STROUDSBURG—Hoffman, A. Y.
Hoffman, C. S.
EDWARDSDALE—Bryant, Joseph A. & Son
Jones, Herbert S.
ELLWOOD CITY—McCandless, J. A.
National Supply & Cons. Co.
ERIE—Ackerman & Son, Berst bldg
Baldwin, James, 710 State
Constable Bros. (Large), 5th & Sassafras
Daggett, D. A.
Dodsworth, R. P., 1040 W 12th
Held, Joseph
Himberger, H. H., 629 Browns av
Johnson, Chas. J., 2715 Holland
Kirschner Bros., 421 E 9th
Leach, James J.
Lynch, James A.
Mayerhoefer, Jacob, 555 E 7th
Mehl, C. A., 819 East av
Middleton & Ostrander
Milloy, D. S., 939 W 9th
Schroeck, Adolph, 904 E 11th
Shenk, Henry Co. (Large), Sassafras c 12th
South Shore Construction Co.
Torngren, Wm.
Uht, Amandus, 434 E 9th
Walker, James D.
Weber, A. S., 554 E 9th
Zesinger, P. J., 26th & Browns av
FRANKLIN—Amsler & Shafer
Bigley, R. A.
Burford & Lundager
Burgard, J. R.
Burgard, Samuel
Craig, Leland
Eshelman, W. H.
Hunsberger & Ritchie
Long, H. W.
McKenzie, E. E.
Northwestern Construction Co.
Osborne, Edwin
Osborne, John
Theobold & Thomas
FREELAND—Boyle, J. W.
Griffith, Jas. E.
Lentz, Louis H.
Lentz, R. E.
GALETON—Grannot, Philip
GALLITZIN—Schultz, M.
GETTYSBURG—Comfort, Chas. H.
Johns, Wm. H.
GIBSONIA—Staley, W. L.
GIRARDVILLE—Maurer, Jacob J.
Scheele, Chas.
GREENSBURG—Bott, L. W.
Coulter & Furtwangler
Fulmer, R. B.
Stark, H. F.
GREENVILLE—Bortz, L. G. & Son
Heilman, G. H. & G. A.
GROVE CITY—Atwell, E. F.
Bohlender, F. W.
Maxwell, J. B.
HAMBURG—Raubenhold, A. J., S 4th
HANOVER—Coulson, J. W. & Bro.
Klunk, W. J.
Pressell, Jno. A.
Rohrbaugh, J. F.
Slagle, W. H.
HARRISBURG—Barnhart, G. F.
Bastress, J. N. & Co.
Berrier, Harry J.
Brady & Snavdy
Central Construction & Supply Co.
Coder & Miller
Fraun, H. S.
Harrisburg Construction Co. (Not Inc.)
Hocker, A. C.
Kamerer, Andrew N., 9th nr Market
Kinsley, D.
Kline, Samuel
Lebo, E. N., 1922 Berryhill
McKelvey, J. J., 1311 N Front
Markley, Wm. D.
Marks, D. B.
Mentzer S. F.
Miller, Chas. H., 824 N 7th
Morrow, Jos. W.
Ness, J. K., 220 Peffer
Seller, G. L.
Strapf & Benfer
Stucker Bros. Construction Co. (Inc.)
Wagner, W. H.
Weaver, V. M.
Weaver, W. O. & Son
Wildman, Aug.
HASTINGS—Keough, Orville
Lord, J. A.
Stuttmatter Bros.
HAZLETON—Boyle, J. A.
Boyle, P. F.
Brewer, Jacob
Campbell, Daniel A.
Campbell, Hugh
Central Pa. Quarry, Stripping & Cons. Co.
Eichler, John N.
Eroh, Jacob
Gormley, Thos.
Gregory, Jno., Jr.
Guttshall, Jacob
Irvin, W. H.
Itter, Chas.
Jacoby, Jacob
Kokensberger, F. H.
Kramer, Ludwig
Leffler, John A.
Leibensberger Bros.
McDermott, Peter L.
McHose & Curry
Matuskowitz, Jos. & Sons
Myers, Martin P. (West)
Rausch, Benj.
Sell, Geo.
Sorochinsky, Frank
Sovensky, Frank
Strohl, Wm.
Stumpf & Youngcourt
Thomas, Wm. F.
Veale Bros.
Wagner, Philip
Wetterau, Chas. & Co.
Woodring, Geo. E.
Ziegler, Wm. D. & Son
Zierdt, Wm. & Sons
HOLLIDAYSBURG—Condron, Jos. B. (Large)
Drass, Jno. B.
Hunter, M. S. & Sons (Large)
Meyers, A.
Schilling, Wm.
HOMESTEAD—Hall, George M. (Large)
Suyder, J. O.
HONESDALE—Brown, R. H.
Kreitner Bros.
HUNTINGDON—Edelblute, Jno.
Gutierrez, F.
Hall, J. C.
Isenberg, John L.
Kidd, W. S.
Kidd & Corbin
Oakman, Isaiah
O'Mara, W. J.
Peightal, Nevin
Wittaker, E. B.
INDIANA—Hastings, John S.
Lockard, E. M.
IRWIN—Bender, Jos.
JEANETTE—Fairchild, J. W.
JENKINTOWN—Carson, Samuel D.
Fitgerald, Thos.
Horan & Leswing
O'Neil, Jas. D.
JOHNSTOWN—Overdorff, E.
Rose, W. J. & Sons, 328 Lincoln
Scharman, Otto
Selgh, W. F.
Smith, W. H. & Bro., Hickory
Witt, A. S.
KINGSTON—Coon, A. H.
Shepherd, J. M.
Williams, R. A.
KITTANNING—Milson, Bert
LANCASTER—Auxer, Adam J., 528 E Chestnut
Bachman, J. M., 830 Columbia av
Bally, C. Wilmer
Bally, Samuel H., 514 S Shippen
Breneman, Jos. F.
Burger, Henry
Denlinger, Wm. T.
Eicholtz, Herbert E.
Evans, Clifton, 28 S Lime
Flick, G. Samuel, 606 E King
Gable, John S.
Heidig, John B.
Hergenrother, Geo.
Moore, Ambrose
Morrow, Robert M.
Oster, Geo., 136 N Mary
Rapp, D. H., 536 St. Joseph
Reith, John W.
Roschel & Klos
Shaff & Brubaker
Stumpf, Jacob & Son
Wiant, Herman L.
Wissler, Henry K.
Woerth, John K.
Wohlsen, Peter N., Jr.
Zook, B. D. & Son
Zook, Joseph S., 527 N Lime
Zook & Kendig
LANSDALE—Boorse, A. S. & Son
Conver, Wm. B
Detwiler, Jno. B.
Fry, Abel
Godshalk, Chas. D.
Kaufle, Jno. J.
Scholl, Seth L. & Sons
LANSDOWNE—Burdsall, Wm. H.
Garrett, E. C. & Bro.
Ingram, Jas. K.
Moore, Chas. T.
Roberts, Richard R.
Shuster, Wm. C., Jr.

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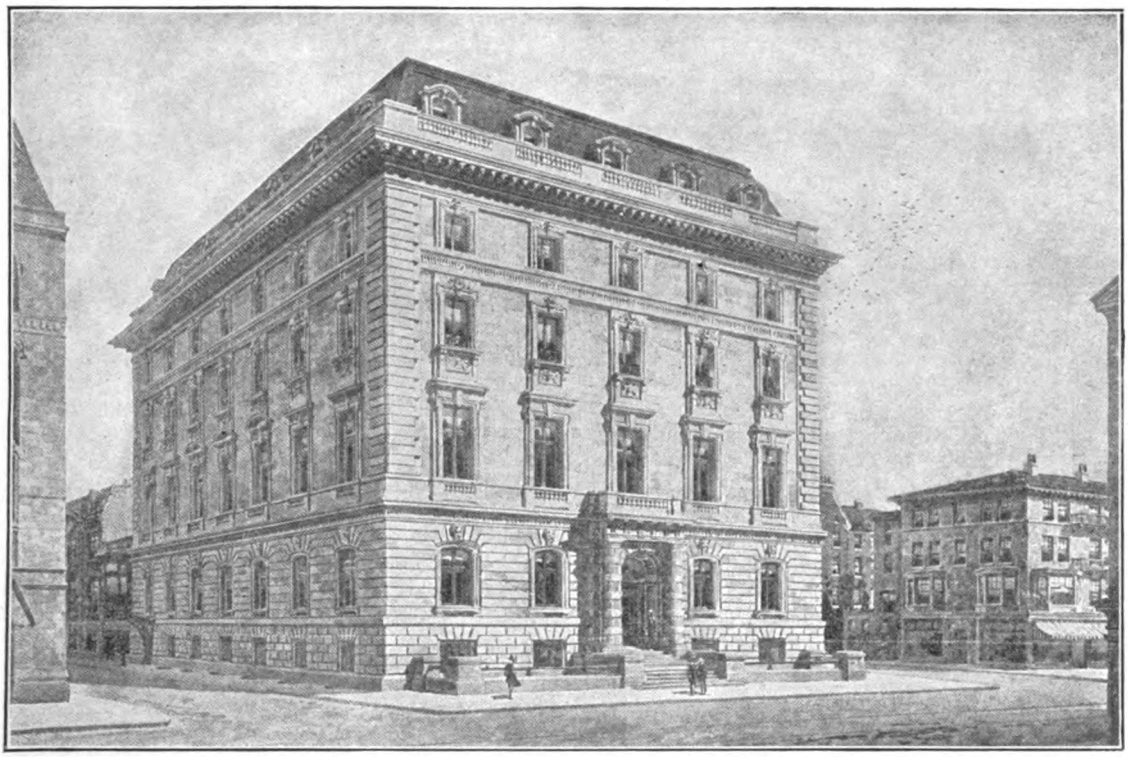
Taylor, James H.
Tyas & Banham
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Riebe, Herman
Smith, Thos. H.
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Swope, Chas. D.
Weikel, Wm.
Wengert, Martin B.
Witmer, A. H.
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Walferd, Michael
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Montgomery, Harry B.
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Rettinger & Son
Ritzel, John
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McCord, Wm.
McCreary, Milton
Nowell, Wm.
Oliver, Robert
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Schoener, Wm. M.
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Gingrich, N. W.
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Stolz, Alfred C.
Wimmer, Isaac, 477 Poplar
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Dougherty, W. H.
Pentz, Hy. H.
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Flounders, Jas. B.
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Hinkson, W.
Parlette, H. L.
Seal, Jos. C.
Thomas & Graul
Worrall, Winfield S.
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Hoffman, H. C.
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Morse, Geo.
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May, Alfred W.
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Roth, Henry W.
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Linsenbigler, P. C.
McConahy & Martin
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New Castle Lumber & Con. Co.
Patterson, W. C.
Strobecker, Geo. & Son
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Patterson, Cooper
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Detwiler, Geo. M.
Doran, L. J.
Earl, Chas. & Son
Greger, Jacob B.
Groff, J. B.
Hall, Robt.
Heavener, F. R.
Himes, Jno. S.
Houpt, Daniel E. (Stone)
Jenkins, Benj. F.
King, A. T.
Landis, Isaac (Stone, Large)
Lawler, Michael F.
Oberholtzer, Frank D.
Shannon, Daniel
Shuler, F.
Simpson, H. M.
Templeton, D. F., Sr.
Wager, B. F.
White, Daniel H. (Brick)
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Pendergast, T. R.
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Dickson & McMillen
Hallett, H. H.
Kealas, Frank
Kramer C. F.
Lesher, Joseph M.
Lewis, Jno. A.
Mundt, H. C.
Schubert, Wm. C. F.
Snyder, C. C.
Stanford, W. R.
Weaver, W. B.
Weikal, David
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Jones, Geo. E.
Walker & Gibson
PEN ARGYL—Ede, Walter
Hoppock, E. B. (Brick & Stone)
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Albertson, Wm. H., 3518 N 8th
Allen, Jas. T. & Son, 212 S 10th
Allison, Frank W. & Co., 1710 Rittenhouse
Ambler-Davis Co., 14 S Broad
Anderson, John M., 1321 S 18th
Andrews, Chas. F., 250 E Willow Grove av,
Appleton & Burrell, 1204 Chancelor C. H.
Armstrong & Latta, Land Title bldg
Ashby, Jos., 7920 2d Street Park
Atkinson, John (Brick). Builders' Ex.
Axenroth, Chas. A., 330 N Lawrence
Bader, Daniel S., 5018 Woodland av
Baldwin & Brown, 1019 Oakdale
Ballinger, R. C. & Co., 218 N 13th
Barnes, Wm. G., 2055 E Allegheny av
Barrett, G. McN., 5306 Magnolia av
Bateman, Jno. J., 845 Locust av, Gtn.
Baton, Henry E., 1221 Arch
Bean, Nathaniel M., 4411 Germantown av
Beatty, Robert & Bro., 2321 E Fletcher
Bechtel, Joseph, 140 Fairmount
Beck, Ambrose, 136 N 13th
Beckings, Henry R., Manatawny av, Rox.
Bell, Chas. E., 225 S American
Benson, W. A., 1534 Ritner
Berger & Lazaroff (Not Inc.), 416 Queen
Bertrand, Paul, 1021 Lawrence
Bertrand, Wm. C., 1031 N Lawrence
Bertsch, Wm., 1314 N 16th
Biggard, Wm. S., 1431 Susquehanna av
Bilyeu, Geo. A., 3055 N 16th
Bird, Jos. & Co., 213 N 11th
Biscoe, W. E., 3950 Ludlow
Blatz, Francis J., 4923 N Lawrence
Boas, Francis J., 14 S Broad
Boorse, David O., 1625 Thompson
Bortwick & Pringle, 8018 Germantown av
Bottoms, Abel & Sons, 41 S 15th
Botwright, F. C., 1823 Bainbridge
Bowers, Jno. T., Limekiln p'k nr E Washington la, Gtn.
Bowers & Logan, Heed bldg
Boyce, John H., 2004 Diamond
Boyd, Hugh & Son, 704 S 11th
Bradford, N. R., 2510 N Bouvier
Bradin, James A., 2036 Sansom
Bradley, Richard P., 1333 S American
Brady-Dackert Co., 1120 Chestnut
Bramble, Collin F., 2202 N Colorado
Branagan, James M., 537 Erie av
Brann & Stuart Co., Arcade bldg
Brenneman, J. E., 1523 S Front
Brinkworth, John H., 2149 E Dauphin
Brockelhurst, Harry, 512 W Norris
Broome, Fred'k, 4003 Sansom
Brown, T. Frank, Vernon bldg
Brown, Wm. R., 2145 E Firth
Brownlee, Alex. R., 136 E Price, Gtn
Bubeck, Wm. D., Maple av nr Bustleton
Buckley, Wm. E., 2602 N Fairhill
Bull, Henry, 252 S 10th
Bunch, Samuel J., 406 N 41st
Bunner, Andrew, 218 E Wister, Gtn.
Burnett, J. H., 347 N 4th
Burrows, T. H., 5127 Kershaw av
Bushnell Bros., 922 Filbert
Butler, Howard J., 1236 Olive
Button, S. M., 2228 N Orkney
Buvinger, A. G., 911 N 16th
Buzby, Howard A., 5153 Wakefield
Buzby, H. H., 6368 Germantown av
Buzby, Wm. P., 241 S Hutchinson
Cail, Alex., 48 Chestnut Hill av, C. H.
Carberry, Thos. J., 110 E Chelten av
Carr, Hiram A., 112 Queen, Gtn.
Carr & Hinkle, 5822 Germantown av
Chambley, Alex., 243 S 10th
Chase, Elias, Welch rd nr Ashton
Charley, Solomon, 1911 Kater
Christensen, Adolph, 1433 Brown
Clark, H. K. (Brick), 741 N 20th
Clark, Richard B., 2036 Callowhill
Cluck, Harry, 170 E Walnut la, Gtn.
Codori, John A. Co., 525 N 9th
Cohen, Louis, 417 Christian
Coldesh, Jeremiah A., 2516 N Dover
Columbia Contracting Co., 922 Arcade bldg
Comey, Dennis F., 2141 Mt. Vernon
Conneen, Andrew M., 1256 N 10th
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Costello, P. E., Torresdale
Courtnell, Joseph, 4738 Worth, Fkd.
Cox, Wm., 6130 South
Cramer, Sam, 2317 N 29th
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Crawford, J., 536 S 52d
Cridland, Sylvester, 1633 N Camac
Crouse, Joseph, 2076 E Cumberland
Dagney, J. H. & T. W., N 7th c Oak la
Dahl, Henry C., 241 S 6th
Dallas, Thos., 422 Diamond
Daniels, Morris J., 252 S Juniper
Davis, F. B., 35 S 17th
Davis, James A., 116 Sumach, Wiss.
Davis, John F., 1819 Church, Fkd
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Dear, John, 4544 Greene, Gtn.
Delmar, James J., 2425 E Allegheny av
Denny, Chas. W., 1330 Arch
Devlin, Patrick, 2443 E Sergeant
Dieterle, John G. (Stone), 104 W Penn, Gtn
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Doak, Albert (Brick), 762 S Mole
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Dodds, John A., 1125 S 23d
Donovan, Jno. I., 139 N 12th
Dorsey & Smith, 111 N 7th
Douglass, Leslie, 146 Broad
Doyle, James & Sons, 878 N 46th
DOYLE & CO. (Large), 1519 Sansom. (See adv. index, end of book)
Drake & Stratton Co., 503 Pennsylvania bldg
Draper, Thos. W., 328 N 5th
Drummond, Wm. J., 1731 Carpenter
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Duncan, John, 920 Walnut
Dunlap, James F., 1510 Melon
Easterbrook, Wm., 519 Commerce
Eccles, Thos., 520 Cypress
Eckman, Chas. H., 2127 N 16th
Eddleman, Wm. H., 453 Green la, Rox.
Elvidge, Fred'k, 5614 Germantown av
Emery, Jno. W., 1524 Sansom
English, Frank G., 1608 N Carlisle
Erb, Wm. H., 4531 Springfield av
Erwin, Jos. J., 1618 N Carlisle
Evans, Burd P., 13th & Wallace
Evans, James L., 1815 N 7th
Evans & Brown, 1504 N Marvine
Ewing & Enderback, 1942 De Lancey
Eyre, Shoemaker Co., Arcade bldg
Fabringer, D. W., 322 Loney Fox Chase
Farles, Jas. H., 712 S Marvine
Farraday, Chas., 1505 N 23d
Farrar, Joseph, 1529 Ellsworth
Fatz, Harry, 4913 N 5th
Fay, Edward & Son, 2666 Richmond
Ferguson, Wm. E., 635 W Tioga
Ferguson, Wm. & Son, 405 S 21st
Ferry, Neil J., 504 S 21st
Finlay & Belfield, 130 N 12th
Fitzgerald, Jas. A., 1711 Mifflin
Fleming, Wm., 7151 Germantown av
Fonder, Edw. F., Land Title bldg
Ford, James, 834 Latona
Fossell, Geo. C., 128 Chelten av, Gtn
Foster, Jas., 3052 Ludlow
Foulk, Wm., 7821 Germantown av
Fox, Wm. H., 1719 Brandywine
Fraim, A. P., 319 Market
Freiling, Wm., Orkney nr Huntingdon
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Fullerton & Bro. (Brick), 2154 E Norris
Funk, E. Y., 1502 N 21st

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Getz, Jacob R., 1312 Filbert
Gibson, Harry, 8937 Haverford
Gill, Harry, Jr., 2200 Gtn av
Gill, Jno. N. & Co., 1215 Filbert
Given, J. L., 2714 Columbia av
Glenn, Geo. A. & Co. (Brick), 930 N 8th
Gohn, Andrew, 3824 Hamilton
Gold, Abraham, 257 S 6th
Goll, John & Co., 1539 Filbert
Goodfellow, G & Son, 130 S Clifton
Goodwin, John H., 1325 E Haines, Gtn
Gordon, Jno. T. & Bro., 2661 E Thompson
Gottshaulk, John B., 2247 N 5th
Graham, James, 473 York av
Graham, Thos., 1938 S Bancroft
Grant, J. Frank, 1625 N 13th
Grau, H. E. Co. (Large), 1707 Sansom
Gray, Geo., 4665 Paul, Fkd.
Greene, Jno. F. (Brick), 950 N Marshall
Grey, G. Frank, 1846 N Bouvier
Griffith, James M., 2331 Columbia rd
Griffith, Robt. B., 38 S 33d
Groman, R. B., 2224 N 6th
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Grunwald, G. & Bro., 1638 Market
Guenzel, Herman C., 408 Buttonwood
Haibach, Phillip Cont. Co., 2530 Thompson
Hainback, John, 1107 N 3d
Haines, Chas. C. & Co., 29 N 13th
Haines, Wm. W., 1925 Master
Haldeman, Geo. D., 1417 N Marvine
Hand, Joseph A., 7000 Craig bldg
Hare, Chas. F., 1933 S 17th
Harris, Franklin M. & Co. (Brick), 1820 Wylie
Harshaw, Edward, 2223 Madison sq
Harting, Samuel, 6 E Johnson, Gtn
Havens, Fred. A. & Co. (Large), 418 Perry bldg
Havens, Herbert E. (Lewis), Girard bldg
Hawn, Edward C., 1106 Sansom
Haws, Geo. W. (Brick), 839 N Uber
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Hazlett, Hugh, 1701 N 20th
Hazlett, Wm., 2006 Noudain
Headman, Enos R., 2541 Germantown av
Heding, Fielding, 2609 N 6th
Heinicke, H. R. (Inc.), 840 Drexel bldg
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Heist & Doeherty, 1216 N 11th
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Herring, F. G., 447 Queen, Gtn
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Hill, Chas. L., 932 Moyamensing av
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Hurley, P. J., 1216 Chancellor
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Keas, Wm., 4624 Penn., Fkd
Keast, R. Harry, 6360 McCallum, Gtn
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Keeney, Thoe, M., 116 N 16th
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Kelley, John & Co., 512 Penn. bldg
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Kilpatrick, John T., 1953 Moravian
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Kinnier's, Jas. Sons, 111 E Chelten av, Gtn
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Kuhn, Albert A., 5908 Walker, Wiss.
Kurtz, L. Ross, 1620 N 11th
Lam Building Co., 624 Cherry
Lange, Frederick, 2208 N Woodstock
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Lauer, Wm., 1539 Moyamensing av
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Leger, Nathan J., 6335 Haverford
Lehrman, Nathan, 324 Christian
Lesley & Baselore, 846 N 16th
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Lower, Wm. A., 1518 N 26th
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McCleman, H. A. & Bro., 13th c Shunk
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McCloskey, Jas. F., 210 New Gtn
McCormick & Co., 14 S Broad
McDermott Cont. Co., 1116 Penna. bldg
McDevitt, P. J., 1918 Cherry
McDowell, John, 37 N 7th
McElwee, Geo., 1629 South
McFadden, John, 2039 Rittenhouse
McGlathery, Joseph J., 428 Walnut
McGlathery, Richard, 2306 N 26th
McGonigle, James, 1003 S St. Bernard
McGraw, Jas & Co. (Heavy Buildings, etc.), Arcade bldg
McIntyre, Hugh & Son, 1805 S 16th
McKenna, John & Son, 213 N 10th
McKibben, David, 2900 Frankford av
McLaughlin & McNamara, 4305 Germantown
McLeister, John, 2123 Cypress av
McNeil, John, 2412 N Fairhill
McNichol, Jas. P. & Bro., Botz bldg
McShain, John, 631 N 17th
McShane, Wm. J., 1517 S 13th
McVaugh, Thos. F., 7243 2d st pk
MacCauley's, J. & Sons, 1328 E Montgomery
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Maguire, Francis T., 1710 Sansom
Mahon, P. F., 3016 Chestnut
Mark, Frank, 21st nr Somerset
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Matlack, John C., 2356 E York
Matthews, Robt. W., 8032 Montague, Hbg
May, Fred'k & Son (Brick), 120 E Haines,
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Metzger & Wells, Heed bldg
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Miller, Adam, 3614 N 15th
Miller, John F., 3913 N 6th
Miller, Warren T., 627 Filbert
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Milnor, Wilson, 4934 Penn, Fkd.
Mitchell Bros., 2125 Race
Mitchell, David A., 132 S Clifton
Mole, Jas. & Son, 1718 Cayuga
Mollenkof, Geo., Jr., 5430 Morris, Gtn
Monagan, Jas. H., 2009 Sansom
Monteith, Thos., 661 N 53d
Moore, Samuel E., 1221 Arch
Morgan, Wm. A., 2654 Tulip
Morgner, Ricard C., 2046 N 5th
Morris, John, 2213 Ridge av
Morrison, Matthew, 2540 N Front
Morrison, Samuel, 3639 N 5th
Morrow, Wm., 320 Harmony
Mowery, A. Frank & Son, 5634 Morton, Gtn
Moyer, D. C. & Co., 804 N 4th
Mullen, Jas. A., 5512 Vine
Mullen, Peter, Jr., 3935 Dexter, Wiss.
Munns, Henry C., 24 S 7th
Murphins, G. Townsend, 720 N 15th
Murphy, M. P., 263 S 10th
Murray, Chas. P., 2045 N 3d
Myers, Jacob & Sons, 608 Witherspoon bldg
Myers, Jos. F. & Son, 1237 Ridge
Neff, Reuben W., 6609 Germantown av
Nutz & Worthington, 1308 Wallace
O'Dea, Dennis W., 533 Westmoreland
O'Donnel, John, 1161 S 13th
Oler, Horace A., 1600 N Front
O'Neill, Chas., 1216 S Broad
Oberholtzer, Michael S., 5528 Pulaski av, Gtn
Oliver, J. H. & Co., 1838 Willington
Orr, James W., Bustleton av, ab Dark Run la, Fkd
Parker, S. D., 5921 Baynton, Gtn
Parvin, Edward G., 2083 S Bancroft
Pascoe, Christopher W., 1832 Christian
Patterson, Wm. J., 46 W Southampton av,
Paul, Jos. W. (Brick), 2222 N 6th c Hill
Paulson, Fred'k (Brick), Island rd c S 75th
Payne, Geo. F. & Co., 401 S Juniper
Payne, John L., 327 Walnut
Pennock, J. E. & A. L., Land Title bldg
Pepper, David, Jr., 1233 Land Title bldg
Pfau, Jos., 2255 N 5th
Pilkington & Kendrick, 4014 Irving
Pinkerton, Cons. Co., 539 Land Title bldg
Plank, W. W., 1117 S 47th
Platt, Chas. J. W., 1015 Arch
Ploucher, Wm. H., 5915 Walker, Wiss.
Prentzel, A. H., Johnson & Sherman
Price, Jos., 2048 Rittenhouse
Price, Wm., 204 Morris
Proud, Alfred K., 2237 N Woodstock
Quinn, Joseph, 1404 N Front
Quinto, Bernard, 524 Pine
Raff, A. Raymond, 1635 Thompson
Raffetto, Louis, 2464 N Garnet
Raid, Joseph, 3047 N 9th
Rambler, David, 2317 N 31st
Rayner, Wm. F. Sons, 4128 Pechin, Rox.
Rea, H. U., 1731 N 19th
Rea, J. Harvey, 1028 Appletree
Rea, Samuel J., 1608 Fairmount av
Reber, C. M., 1018 Spring
Rees, Chas. E., 2017 E Clearfield
Rees, Wm. R., 2016 E Allegheny av
Reeves, J. W. & C. H., 925 Darien
Reeves, Stacy & Sons (Large), 1611 Filbert
Register, A. L. & Co., 712 Fidelity, Mutual Life bldg
Reid-Turnbull Cons. Co., Penna. bldg
Reilly, Thos., 1616 Thompson
Reilly & Riddle, Walnut la & Oros
Retze, Philip H., 518 E Thompson
Rheiner, Wm. J., 1345 Venango
Ribble, Nicholas, 1510 Cuthbert
Richards & Shourds, 1125 Spring
Riley, James, Forrest av nr E Johnson, Gtn
Rinker, Frank H., 440 Winona, Gtn
Ritchie, Geo., Jr., 3724 Irving
Ritchie, Joseph, 2733 Oxford
Roberts, W. S. & Co., 1507 Foulkrod, Fkd
Robinson, Russell, 8954 Frankford av, Hbg
Robinson, Wilfred, 7319-21, Fox Chase
Robson, Robt., 1827 Naudain
Roebling, Cons. Co., 1416 Land Title bldg
Rogers, Calvin W., 319 Heed bldg
Roth, Geo. S. & Sons, 230 E Graver's la, C. H.
Rowland, Alonza, 4332, Pechin, Rox
Boydhouse, Arey & Co., Fidelity bldg
Ruch, G. W. & Co., 2851 N Hutchinson
Ruff, John G., 823 Cherry
Rust, Harry R., 828 Filbert
Schmid, Matthew, 1308 N 6th
Schmitt, Albert (Brick), 2449 N Hancock
Schock, Wilbert B., 8 Southampton av, C. H.
Schoenberg, Joseph, 2911 N Reese
Schuler, Cloyde A., 3246 N 6th
Schultz, Henry G. & Son, 3340 N Carlisle
Schwartze, Chas E., 617 Cherry
Scurci, Frank & Son, 902 S 9th
Seeds, Thomas M., Jr. (Large), 1207 Race
Seka, Jos., 14 Highland av c Hill
Sergeant, Jos. Co., 617 S 20th
Shaffer, Morris W., 1742 N 11th
Shanley, J. F. Co. (The), 400 Arcade bldg
Shepherd, Darius, 1342 Girard av
Shoemaker, H. B. & Co., Wayne c W.
Shriner, R. F., 474 N 7th Duval, Gtn
Simpson, Alex. P., 431 Winona av
Simpson & Armstrong, 314 Heed bldg
Sipps, Geo. L., 907 Walnut
Sladen, G. E. & Co., 1224 Clover
Smith, Chas. & Son, 4142 Aspen
Smith, Hardican Co., Perry bldg
Smith, James, 1822 S 10th
Smith, Peter E., 2019 Master
Smith, Wm. B., 853 E Chestnut av, Gtn
Smith & Robinson, 605 Provident bldg
Snyder, Geo. F. & Co., 129 S 5th
Snyder, L. Sons, 200 N Marvine
Snyder, L. V., 205 Ionic
Spare, Benj. F., 1061 Brandywine
Spenard, A. H., 830 Wood
Sperry, D. W., 1305 Arch
Sperry, W. H., 2501 Ridge av
Stafford, John, 1112 Chestnut
Steele, Wm. & Sons (Large), 1600 Arch
Sterner, Wm. H., 2911 Brandywine
Stevens, Wm. F., Poquessing av bet. Bustleton av & Somerton
Stewart Bros., 2526 N Orkney
Stitzer, James H., 917, Commonwealth Trust bldg

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Stoll, Frank A., 1432 Germantown av
Stone, Wm. E., 2069 E Dauphin
Straw, R. J., 3618 Powelton av
Street, Tammany P., 903 Carlton
Streeton, Harry A., 1733 S Philip
Strickler, Chas., 2075 Margaret, Fkd
Strode, R. W. & Sons, 6 N 18th
Stroup, Oliver P., 1733 N 10th
Struse, Chos. O. & Sons, 4012 Ridge av
Sturts, Ernest H., 2614 Ridge av
Sullivan, John, 4916 Woodland av
Sumption, Jas. D., 227 N 65th
Suplee, Amos, 1210 Federal
Suplee, Edwin F., 3440 Filbert
Swain, S. L., 1326 S 33d
Taylor, Wm. H. H. & Son, 119 S 4th
Tecklenburg, Wm., 2008 N Orkney
Thayer, Geo. W. Co., 1232 Commerce
Thompson, John B., 1740 Ludlow
Thompson, Jos. N., 2044 Cuthbert
Thompson, Samuel, 214 Chancellor
Thompson, Wm. N., 1529 Filbert
Thompson-Starrett Co. (General Building Construction), Penn. Bldg
Tomlinson, Jos. S., 1710 Venango
Tourison, Ashton S., 28 S Mole
Townsend, Asher C., 331 Montrose
Townsend, Jos., 1018 E Berks
Trafford, Thos. C. (Large), 2335 N 15th
Trego, Samuel C., 5102 Pentridge
Trexler, Daniel & Son, 202 E Sharpnack, Gtn
Vandersllce, Thos. L., 1860 N 22d
Virden, B. F., 2841 Ridge av
Voight, Herman, 2923 Girard av
Walker, Benj., 3953 Germantown av
Wallace, Frank E., DeLong bldg
Walter, Chas., Jr., 5023 Larchwood av
Walter Cons. Co. (Not Inc.), 416 Heed bldg
Walter, J. H., 168 E Walnut la, Gtn
Warner, Geo. C., 364 E Penn.
Warner, H. G., 717 N 42d
Warner, Wm., 433 Green la, Rox
Warren, Robt. T., 2134 S Colorado
Weaver, Alvin M., 2010 Vine
Weber, Philip, 1326 N 4th
Weightman, Atwood, 1745 N 27th
Wells, C. F. & Son, 228 S 8th
Wells, Mark P., 3229 N 17th
Welsh, John, 2021 N 9th
Welsh, Matthew J., 7000 Woodland av
Welsh, Thomas M., 774 S Broad
Welstead, Ambrose, 416 S 22d
Wetherstine, Harry, 226 Hansberry, Gtn
Whelan, John M., Witherspoon bldg
Whitehead, Alfred, 1624 Latimer
Whiteside, Rush J. & Sons, 2115 Wallace
Wiggins, Jno. R. & Co., 717 Heed bldg
Wildey, Chas. R., 1133 Crease
Wilkinson, Robt., 1705 Carlton
Williams', Arthur H. Sons, 419 Locust
Wilmer, Samuel S., 3211 Comly, Wiss.
Wilson, Alex. C., 4060 Powelton av
Wilson, Geo. H., 7206 Germantown av
Wilson, John A., 1506 Thompson
Wilson, John J., 2591 Gray's Ferry rd
Wilson, J. Sims, 1125 Brown
Wintz, Frank I., 1618 N 27th
Wolf, John, 4110 Terrace, Myk
Wright, Arthur J., 2041 Westmoreland
Wulff, Theo. A., 1224 Dickinson
Wurst, J., 536 Huntingdon
Yundt, Charles J., 2108 N 6th

PHILLIPSBURG—Rhule, Geo. M.

PHOENIXVILLE—Carter, Harry
Elliott, Harvey V.
Harley & Young
Hawke, A. D.
Keenan, Jas.
Kneer, Wm.
Lowery, Irvin B.
Pennypacker, J. C. & Co.

PITCAIRN—Palmer, C. W. (Large)

PITTSBURG—Benz, L. & Bros. (Large), 90 S 13th
Bollinger, Andrews Cons. Co., Empire bldg
Booth & Flinn, 1942 Forbes
Breitweiser, W. G., 418 House bldg
Broido & Baumgardner, 1848 Centre
Busse & Dettling, 112 Wabash
City Contracting Co., 341 6th av
Corcoran, James G. Co., 415 House bldg
Cuthbert Bros. Co., 604 Bessemer bldg
Dauenbauer, G. & Sons Co., 84 Arlington av
Dravo, Contracting Co., 814 Lewis bldg
Duff, Patents Co., 918 Frick bldg
Dumont, Joseph, 51 Boggs av
Duquesne Construction Co., Bessemer bldg
Eder Construction Co., Ferguson bldg
Gillespie, T. A. Co., Westinghouse bldg
Golden & Crick, 3512 5th av
Greenwood Cons. & Supply Co., 318 Liberty
Groah, Benj. A & Co., Empire bldg av
Hall Bros. (Brick), House bldg
Howley Construction Co., 237 4th av
Howley, W. E., Frick bldg
Jones, Evan & Co., 3600 Liberty av
Kerr, C. H. Co., 2565 5th av
Kerr's, Wm. Sons, Lewis bldg
Kissock, W. J., 2209 Bedford av
Kreusler, H. L., 3301 Penn av
Kund & Eiben, 19 Lafferty
Lambie, C. S. & Co., 331 4th av
Lamont, Robert & Sons, 3109 Penn av
Lash, David H., 120 Grandview av
Ley Construction Co., 1220 Park bldg
Logan, Samuel, 830 Pennsylvania av
Lydon, Mark, 5409 Keystone
Lynd, W. J., 191 38th
McClure, Geo. W. Son & Co., Bessemer bldg
McQuade, James H. Co., 7 Wood
McSpadden, J. C., 50 Shannon bldg
Martsolf Bros. (Brick), 414 House bldg
Miller, Wm. & Sons Co. (Large), 530 Federal
Moorehouse, Geo. E., 82 Sylvania
Moran-Phelan Contracting Co., 324 4th av
Murdock, W. H., 721 Lewis bldg
Murphy Bros., 213 6th av
Murphy & Hamilton, Herren bldg
Negley, H. D., 7134 Idelwild
Nicola Building Co., Farmers Bank bldg
Ott Bros., 414 Washington av
Payne, W. J. & Sons Co., Beltzhoover & Washington avs
Pitt Construction Co., 821 Fulton bldg
Poorbaugh, Jno. M. Co., Magee bldg
Resmer, Frank, Lorenze av & Crucible
Richmond, A. & Son (Large), 541 Wood
Schlieper Engineering & Cons. Co., 707 Wabash bldg
Shenk, Henry Co. (General), Lewis blk
Siebert, Jno. & Sons Co., 1700 Jane
Standard Bldg Cons. Co., Fulton bldg
STEWART, JAS. & CO. (Large), Westinghouse bldg. (See adv. index, end of book)
Sweeney, E. I., 7729 Susquehanna
Sweeney, Thomas Co., 4906 Cypress
Ventress, Geo., 3417 Boquet
Waite, W., 2504 Jane
Wilson, A. & S. Co. (Large), 543 3d av
Wineland Contracting & Bldg Co., 339 5th av

PITTSTON—Allen, W. R.
Bostock, Fred. L.
Brandenburg, David L.
Brenton, Wm. C.
Dershimer & Griffin, 123 S Main
English, Robt. J.
Frey, Milo S.
Holmes, Alvin
Howell, F. J. & Co. (Inc.)
Jenkins, D. F. & T. W.
Johnson, John A.
Jones, T. E.
Myers, Wm.
O'Boyle & Fay
Reilly, J. J.
Snell, W. G. & Son, W P
Van Luven, J. H.
Wicks, John
Wilson, G. K.

PLYMOUTH—Cooper, J. D.
Hayward, Geo.
Marks, L. E.
Ransom, Chas. C. (Large)
Watkins, Chas.

PORT CARBON—Ruddy, John C. & Bro.
Runke, Chas. H.
Slattery, John T.

POTTSTOWN—Dampman, I. K.
Davidheiser, F. B.
Davidheiser & Wiand (Large)
Grubb, H. C.
Halteman, J. L.
Hertzog, W. D.
Hutt & Knod
Keiser, F. H.
Missimer, H. H.
Rush, John H.
Willauer & Son
Yocum, Newton K.

POTTSVILLE—Aregood, S. C.
Cox, Riegel & Co.
Diefenderfer, James M.
Dietrich, Samuel
Fisher, Joseph
Gorman, J. H.
Griesbaum, Wm. J.
Heffner, Jas. E.
Henne, W. & Co.
Houser, A. H.
Kilgus, Jacob. Pierce
King, Chas. F.
Knoll Bros.
Maurer, Joseph
Medlar, L. T., 7 N 9th
Messersmith, Clarence A.
Miller, Louis
Pinkerton, Geo.
Portland Contracting Co. (The)
Rehman, Harry
Schneider, Jos.
Schum, Albert
Simmons, Robt. A.
Strauch, Thos. M.
Wertley's, Walter Sons
Zimmerman, Jno. H.

PUNXSUTAWNEY—Long, J. K. & Son

QUAKERTOWN—Barringer, Jas. L.
Foulke, Jos. E.
Martin, Wm.
Mease, David W.
Riehn, Milton B.
Shuler, F. M.
Stonebach, Jas. B.
Stoneback, J. W.
Taylor, C. M.

READING—Addis, Isaac N.
Albrecht & Leader
Beard, Geo. W. & Co. (Inc.) (Large), Colonial Trust bldg
Bennethum, Jas. M.
Borry, Addison W.
Dampman, D. E., 529 Court
Davis, Samuel H.
Dechant, Wm. H.
Diener, Endy & Fisher
Fick, Howard J.
Fisher, Wm. E.
Focht, L. H. & Son (Large), 529 Court
Garman, N. H. & Bro.
Gerhard, Geo. L.
Graeff, Isaac L. & Bro.
Hart, Chas. H.
Hartman, John S.
Hauck & Frets
Hawman Bros.
Hawman Cons. Co. (Not Inc.)
Heine, Jos. A., 1904 Perk av
Helfrich, W. W., 515 S 18th
Hemmig, Albert, 309 Washington
Hemmig, Francis M.
Henne, Ephrian
Hollenbach, Isaac
Hummer, H. W.
Hunter, D. H., 820 N 11th
Huyett, Garson M.
Kautner & Son
Kline, Geo. W.
Kocker & Mengel
Kretz, A. H. (Large), 1201 Perk av
Kretz, Frances C.
Matz, Jas., 13th & Cotton
Mayer, Jacob
Meinholz, Geo. H.
Price, H., 810 Franklin
Price, R. A., 606 Washington
Ranner & George, 1209 Olney
Randenbush, Henry J.
Reading Supply & Cons. Co.
Relu & Fricker (Large), 124 Cedar
Renninger, Jas. H.
Rudolph, H. D., 723 Church
Rummel, F. L. (Large), 234 Moss
Scheib, Wm.
Sharp, W. A., 1036 N 10th
Shearer, D. R., 1422 N 10th
Sherman, G. H., 722 N Front
Stump, Chas. E.
Ubil, J. G. & Son, 251 S 10th
Weidner, John E.
Weiser, C. W.
White & Wagner, 1207 Oley
Yeich, W. R., 133 Penn

RENOVO—Baird, Jas. H.

REYNOLDSVILLE—Evans, Thos. E.
Swab, H. A.

RIDGWAY—Edwards, Wm.
Hyde, Murphy & Co.
Miner, W. H.
Newburg, Carl A.
Newburg & Olson
Ross, P. C.

ROCHESTER—McDonald & Hartman (Brick & Stone)
Miller, Wm. & Sons Co. (Large)

ROYERSFORD—Adams, Lewis
Brunner, Samuel
Mowry, Jacob (Large)

ST. CLAIR—Havel, Jacob J.
Kear, H. J.
Lawless & Crone
Smith, Edward D.
Thorn, W. W.

ST. MARYS—Brehen, Andrew
Butsch, M. C.
Glass, Matthew
Jacobs, Jno. A.
Jacobs, Jos.
Schlumin, F. G.
Schlumin, Jos.
Valentine, Thos. J., Jr.
Villing, Frederick W.
Wegener, Peter

SAYRE—Adamy, E. D.
Johnson, F. H. (Large)
Rockwell, E. A.

SCENERY HILL—Keenan, D. F.

SCHUYLKILL HAVEN—Becker, Irwin H.
Henne, W.
Phillips, Daniel H.
Reed, Harry D.
Renninger, John H.

SCOTTSDALE—McCullough & Kelly

SCRANTON—Alworth, John W.

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Apostolico, Alonzo
Baker, Wm. E.
Boland Bros., 1131 Pittston av
Boland, Christian T.
Bown, Quarries & Construction Co.
Cadden, Michael A., 1125 Luzerne
Capewell, Geo. N.
Caputo, Louis, 140 S. Main
Carlucci Stone Co. (Large)
Colvin, Fred'k C.
Dale & Gaynor
Dean & Price, 1440 Church av
Deubler, M. L. & Co.
De Witt, O. D.
Donahue, Michael A.
Dunn, Benj. F.
Elias, David P., 1310 Washburn
Engineering Construction Co.
Eshleman, O.
Flanaghan, John
Flanaghan, Stephen & Son
Giblin, John W.
Houck & Simons
Hower & Stender, Jeff av & Ash
Hughes, Edwin G. & Co., 230 S Main av
Hurlbutt, Henry R.
Kadz, Jos. A.
Kelper, Jacob
Kennedy & Maloney
Kingsley, Chas. R.
Langan, John F.
Latham, Ernest D.
Lathrop, Shea & Henwood Co. (Large), Leitner, F. V. Board of Trade bldg.
Lord & Wateran, 948 Wyo. av
Marwick, J. & Co., 1427 Luzerne
May, Patrick F., 344 S. Wash'n av
Maynard, Chas. M.
Melvin, S. D.
Morris, John, 306 N. Rebca av
Moyer, F. M., 1101 Penn av
Mulherin & Judge, 1400 Remington
Mullarky, Anthony J. Co.
Nauman, J. D.
Oakley, W. D.
O'Malley, Wm. T.
Peck Lumber Mfg. Co. (Large), 111 E Market
Perks, John, Wyoming av & Gibson
Ricca, Frank
Richardson, Thos. W. & Co.
Roberts, Rob't.
Ruddy, M. J., 421 Lackawanna av
Spruks Bros., 220 Webster av
Stipp Const. Co., Board of Trade bldg
Stipp, L. T., 1716 Ridge row
Stipp, Peter (Brick & Stone), 327 N Wash'n
Stonier, Chas. R.
Stonier, Lindley J.
Sykes, F. E. & Co.
Sykes, S. & Sons, 1235 Penn av
Szymyter, W. H.
Tanner, Eugene
Washburn, Williams & Co. (Large), 131 Mer'dn
Wheeler, Irving H., 1330 Wash'n av
Wheeler & Haines Co., (Large), 920 Penn
Williams, Ewin S., Coal Exch. bldg av
Williams, Wm. W.
Woelkers, Beilman & Zitzelman (Stone, etc., Large), Mears bldg.
Woodling, B. S.
Woolsey, J. & Co., 312 Forrest ct

SEWICKLEY—Challis, Daniel W. & Son
Hill, R. M.
Moore, Albert
Shearer Bros. (Stone)

SHAMOKIN—Coates, T. J. & Bro.
Fry & Davis
Raup, H. P. & Sons (Large)

SARON—Baker & Taylor
Bell, A. W. (Stone)
Budd, B. F.
Cairey Bros.
Flower, Chas. S.
McCleery, Richard H. & Co.
McIntyre, Wm. & Son (Large)
Peters, A. R.
Sharon Bldg Co. (Ltd.)
Taylor Bros.
Wishart, A. & Sons Co. (Large)

SHARPSBURG—Charles & Emerich
Hougzy, C. W.
Moyes, W. E.
Schran, J. H.
Yerkins, Geo.

SHARPSVILLE—Bombeck & Miller

SHENANDOAH—Britt, Wm. J.
Cleary, P. J.

SHIPPENSBURG—Pomeroy, John B.
Pomeroy, Wm.
Robinson, L. M.

SLATINGTON—Horn & Neff

SOUTH BETHLEHEM—Beysher, Cornelius (Large)
Birkel, Benedict H.
Danzer, William F. & Co.
Groman Bros. (Brick & Stone, Large)

SPRING CITY—Kelter, John
Spotts, Henry

STEELTON—Barley Bros.
Martin, W. F.
Smith, A. B.
Wright, E. B.
Wright, H. C.

STROUDSBURG—Miller, Gideon H.
Palmer & Dreher
Phillips, M. L.
Shifer Bros.

SUMMIT HILL—Breslin, Andrew
Stout, Chas. H.

SUNBURY—Keefer, G. W.
Keefer, J. S.
Keefer, Peter R.
Simpson, John & Son
Wolf & Elster

SUSQUEHANNA—Benson, L. C.

TAMAQUA—Becker, Hy.
Delzert, Christ
Mayer, Nathan
Rice, Jacob
Scheid, Jno.
Schlibe, J. A.
Schlegal, Jas. D.
Smith, Julius
Urich, Jos. B.
Weaver, Edw. E. (Large)
Williams, O. B.

TARENTUM—Gravatt, Jas. A.

TITUSVILLE—Foster, David
Hesch, P. M. & Son
Johnstone, Robert
Nixon & Lamont

TOWANDA—Kisner, Chas.

TREVORTON—Schweitzer, Charles A.

TYRONE—Beam, John B.
Heinly, A.
Nevling, John A.
Reese, Chas. R.
Shirk, T. T. (Large)
Waring, Frank B.

UNION CITY—Clark, Eugene E.

UNIONTOWN—Beatty, Geo. B. M.
Beighley, Isaac N.
Burchinal & Frankberry
Carr, Jno. D.
Carr, John D. (Paving)
Carroll Lumber Co. (Large)
Cornish Bros.
Eggers, Charles F. (Good)
Fair, D. M. & Son (Large)
Humbert & Co.
McCormick, W. C.
Mills, J. P.
Moser, O. D.
Pyle, C. W. & Co.
Reagon, Lynch & Co.
Sembouer, J. T.
Uniontown Construction Co.

WARREN—Baker, Edwin F.
Beck & Ott
Dunham, O. E.
Hamm, Chas. E.
Holmberg, Solomon
Lavery, W. R.
Pixley, A. L.
Shaw & Hand
Shutt, K. G.
Smith, W. A.
Swanson, J. A.
Swanson, Theo. F.
Uhdey, C. W.

WASHINGTON—Blackhurst, Thos. H.
Burns, H. R.
Hallman Const. Co.
Kerns, Jno.
Milne, Wm. L.
Reitsch Bros. (Stone, etc.)
Vester, Stewart & Rossell (Large)
Walker & Slater (Large)

WAYNE—Lengle, J. D.
Morris, John
Palmer, Chas. B.
Young, Milton

WAYNESBORO—Dukehart, A. C.
Monn, Samuel
Rider, John F.
Strine, Geo. L.
Warner, A. R.

WAYNESBURG—Acklin, F. D.
Baker, Wm. (Bricklayer)
Biggins, Thos. (Stone)
Black, F. L. & Bro.
Blair, W. F. (Large)
Chambers, J. N. (Stone & Brick)
Clayton, Sam'l L. (Stone Mason)
Funk, Jonathan M.
McKay & McDonald (Stone Masons)
Manning, Walter (Stone Mason)
Meek & Co.
Milliken, Robt. L.
Rae, C. P.
Waynesburg Eng. & Cons. Co.

WEST CHESTER—Baldwin, C. R.
Burns, Wm. H.
Corcoran, Cons. Co.
Darlington, Howard G.
Farra, Harry W.
Griffith, E. R. & W. H.
Hickman, Lewis M.
Jefferies, P. E.
Jones, William H.
Lewis, Thomas L.
Sullivan, Daniel S.
Townsend, Geo. F.

WEST NEWTON—Neff, C. C. (Also Planing Mill)
Rhodes, S. P.
Scholl, M. F. & Son.

WILKES-BARRE—Allen, Willard F.
Amesbury, Wm. H.
Aston Bros.
Banks, John F.
Banks & Sickler
Behrens, Otto J.
Buckley, Dennis
Burlingame, A. J.
Campbell, A. D.
Carle & Reilly
Coil, L. J., 59 Gildersleeve
Cooke Bros. & Co.
Clark, Peter J.
Davey & Washey, 110 E Market
Dickover, Geo. T., Simon Long bld.
Dobson, John B.
Eberly, C. C.
Eckenrode, Jerome W.
Eckert, George P. F., 434 Carey av
Eddy, Fred W.
Everman, Joseph, 519 S River
Eyerman, Edward
Fedar, Andrew V.
Gaynor, Joseph M., 77 S Grant
Hahn, L. H., 103 N Meade
Hendler, Chas. & Co.
Hilderbrand, Adam M.
Hoover, Chas. D.
Houser, John B., 19 Barney
Hughes, Richard
James, John E.
Kehoe & Mowery, 720 S Franklin
Kingston, Cons. & Eng. Co.
Kline, Daniel M.
Kressley, James
Krieg, Frank C.
Krugg, Elwell M.
Lange, F. & Son
Leach, J. M., Jr.
Lipko, Joseph
Long, J. B.
MacDougall & Co.
Malloy, Michael C., 389 N Wash'n
Mandeville & Son, 121 S Fell
Melan, Henry J.
Mitchell Bros.
Morris & Nordstom
Peiffer, H. B.
Ross, Giles, 345 S River
Roth, M. L.
Schmitt, John A. (Brick & Stone, Large),
Schmidt & Co. 202 E Market
Shepherd, Wm. H. & Sons (Large), 478 S Main
Shiber, Chas. C.
Shiber, J. W. & Co.
Silvius, George D. (Large), 33 S Welles
Smith, Wilson J. (Large), 318 S Franklin
Smith & Moskovitz
Snawley, Wilson A., 167 Academy
Snyder, Harry
Thomas, John R.
Thomas & Kear
Walborn & Barney
Williams, Owen
Wilson, Chas. F. (Brick), 79 South

WILKINSBURG—Ecker, A. C., 1226 Franklin
Iron City Stone & Cons. Co.
Lee, B. F. Co.
Lindsay, W. A.
Robinson & James
Peffer, E. Z.
Ward, J. H. & Sons, 817 Penn av

WILLIAMSPORT—Bennett & Woodnut (Large),
Busch & Steward 306 Market
Caryell Cons. Co.
Cupp & Newcomer
Greevey, John W.
Harman Bros., 320 Locust
Hartman, Jno. H. & Bros. (Large), 225 W North
Huffman, W. H. C. & Sons, 241 William
Larrivee, S., 311 Locust
Sheffer, Amos, 944 Erie
Stuempfle, David Sons, 332 Penn
Waltz, Andrew H., 321 Louise

WRIGHTSVILLE—Smith, J. F.
Weller, R. H.

WYOMING—Durland, Robt. L.
Rozelle Bros.
Safford, Robt. L.
Stiff & Mullin
Sutton, W. Byron

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YORK—Allebaugh, Geo.
Ball, John J.
Blanser, Edward
Boyer, Calvin A.
Bushey, J. W.
Codorus Planing Mill Co.
Crist, Jacob H.
Dobbling, J. H.
Epley, Horace O.
Gilbert, Geo. W. (Large)
Glatfelter, Samuel F.
Hake, A. M. & Co. (Large)
Hake, Lewis
Hake, Samuel
Hubert & Stough
Menough, Jas. L.
Minnich & Hess
Neff, Daniel
Oermann & Blaebaum
Plouk, Joseph
Seacrist's, Jacob Sons
Spahr Bros.
Waughtel, John F.
Wolf, Howard N.

RHODE ISLAND.

APPONAUG—Green, Jno. R.
BARRINGTON CENTER—Fisher, L. T.
Martin, Wm. R.
BLOCK ISLAND—Hayes, Jno.
BRISTOL—Ball, Sumner
Barbour, Chas. A.
Buffum, Jos. L.
Durant, Jos. O.
Le Clair, Eugene
Rounds, Chas. U.
West, Everett
CAROLINA—Gates, Herbert A.
CENTRAL FALLS—Morean, Louis
Simmons, Geo. A. Co.
COMMICUT—Darr, Geo. E.
DIAMOND HILL—Haskell, A. F.
EAST GREENWICH—Holland, James
Person, A. J.
EAST PROVIDENCE—Brown, William T.
Champlin, John C.
Cummings, Hugh
Grant, H. L.
Healy, F. B.
McCormick, J.
McDonald, Allen
Millard, Frank F.
Miner, Joseph & Son
Perry, T. A.
Rhodes, W. H.
Straight, E. S.
Whitford, Stephen A.
Whitmarsh, Leander F.
HAMILTON—Straight, John
HARRISVILLE—Mathewson, F. L.
HOPE VALLEY—Barber, E. A.
Palmer, George L.
JAMESTOWN—Anthony, George D.
Anthony, Lewis W.
Head, Alton
Wright, Thomas D.
LIMEROCK—Murray, John B.
LONSDALE—Collinger, R. T.
MANVILLE—Fortier, O.
Guay, Omer
NARRAGANSETT PIER—Bristow, John
Burns, Robert
Congdon, Alphone
Kissouth, Alex. M.
NATICK—Remington, W. T.
NEWPORT—Armstrong, G. E.
Barlow, Wm. F.
Booth, Alexander
Borden, Wm. M.
Bosworth, P. S.
Brown, Jas.
Bryer, Walter B.
Bullock, Joseph H.
Burdick, Edmond, S.
Carter & Sherman
Clark, C. E.
Coffin, Wm. E.
Collon, John
Cotton, J. P.
Curry, Robert W.
Curtis, Sheldon H.
Darling & Slade
Dawley, William P.
Dillon, Nicholas
Dring, Walter
Fagan, P. J.
Fludder, A. J.
Friend & Maguire
Gillies, Jas. M.
Graham, James
Hodgson, Jno.
Kane, John F.
Keeher & Smith
Kerr & Beeson
Kirby, Michael J.
Kirwin Bros. (Large)
Langley, Wm. H.
Lucas, Thomas
McCormick, M. A.
McLean, Duncan
Maher, Anthony
Mason, John
Melville, Jno.
Morgan Bros.
Murphy, Michael F.
Nicol, Alexander
Patt, David A.
Peckham Bros. Co.
Peckham, Howard G., Middletown
Radford, Jno. (Large)
Reagan, Thos. H.
Stoddard, Geo. S.
Sullivan, Jno. F.
Tanner, B. F.
Weaver, Freeborn C.
White, Benjamin T.
Wright, John J.
PASCOAG—Buffum, Chas. C.
Gory, Fred A.
Harvard, Napoleon
Smith, Edward C.
PAWTUCKET—Beaudette, Edward P.
Carr, W. B.
Charpentier, Jas.
Cole, Wheaton
Cruise & Smiley Cons. Co.
Desmarais, John
Dolan, J. Stephen
Lambert, Jos. H.
Masse, J. & Co.
Murphy, Louis A.
Pelltier, A.
Poliguin, Jas. A.
Reilly, Wm. H.
Rowley, Frank G. Co.
Smith, Benjamin, F. Co.
Smith Bros.
Wilmarth, D. L.
Wilmarth & McKillop (Large)
PORTSMOUTH—Coggeshall, Jno. R.
Grinnell, R. J.
Manchester, Jno. E.
Sherman, George S.
PROVIDENCE—Adams, Harry C., 70 Linwood
Aiello, Antonio, 35 Grape av
Anderson, A. M. & Co., 56 Reservoir av
Andrews, Geo. L., 688 Public
Archibald, S. A., 28 Corinth
Baldwin, J. D., 67 Alverson av
Ball, A. R., 189 Grand av
Barney, O. C. & Son, 3 Custom House
Barry, David J., 64 E Manning
Bates, J. H., 24 Carey av
Beaty, Thos. F., 20 Stokes
Bebeau, J. J., Jr., & Co., 76 Hillwood
Beck, E. H., 113 Pleasant
Beck, Vere W., 75 Westminster
Belford, A. F., 137 Waverly
Benson, Emil, 334 Willard av
Bigney, E. H., 891 Westminster
Bishop, Jno. W. Co. (Large), Butler Exch
Bouchard Bros., 172 Linwood av
Bowen, Vincent & Co., 107 Chapin av
Bradley, Edw. & Co., 20 Clifford
Briggs, Louis, 31 Plainfield
Budlong, Louis A., 27 Bowen
Budlong, Moses, 160 Benefit
Burlingame, Asa, 10 Schaffer
Calder, Chas. W., 125 Whittier av
Candelet, J. E. & Co., 10 Warrington
Chapin, A. W., 29 Page
Chapman, G. E. & Co., 148 Linwood av
Chapman, Wm. A. & Co., 49 Westminster
Charles, Andrew F., 4 Pearl
Charles, Peter F., 18 Plum
Chase, John A., 5 Baltimore
Clautier, Henry & Co.
Cole, A. L., 238 Ohio av
Crankshaw, Chas., 400 Plainfield
Crowe, Thos. A. & Co., 7 Ward
Cruickshank, Stewart C., 8 Steeple
Dinsmore, Samuel, 122 Brownell
Doane, Thos. H., 99 Chapin av
Douglas, Wm. & Co., 109 Waterman
Douglass, Daniel P., 254 Thayer
Duggan, John H., 17 Meeting
Evans, H. R., & Son, 10 Mathewson
Everson, E. W., 122 Public
Fahey, Thos. J., 63 Terrace av
Famiglietti Bros. Co., 539 Charles
Foster, Chas. A., Chas. Field c Hope
French, Geo., & Co., 54 Friendship
Furlong, John W. & Co.
Gaboriault, H. A., 957 Westminster
Gammons, S. W., 238 Massachusetts av
Gilbane, William & Bro., 96 Harris av
Glover, David & Co., 358 Benefit
Guartiere, Sisto & Sons, 49 Dean
Halcrow, Wm. J., 88 Clifford
Harding & Hamlyn, 20 Lewis
Harris, John K., 223 Gano
Hartwell & Kingston, 49 Westminster
Helgerson, John, 251 Rhodes
Hogg, William J., 37 Meeting
Hopkins, Gilbert, 131 Garden
Humes, Cons. Co., 76 Dorrance
Jackvony, Antonio, 633 Charles
Jordan, C. B., 732 Plainfield
Lee, Oscar F., 113 Messer
Lockwood, R. W., 107 River av
McDonough, Patrick, 22 Bancroft
McDuff, Geo. F., 504 N Main
McDuff, Robert A. & Co.
McGehearty, F'k A., 655 N Main
McGhee, Robt., 81 Friendship
McGregor, Jas., 12 Charles
McLaren, John, 582 Smith
McLeod, John, 517 Hope
McNamara, Luke, 189 Amherst
McPherson, John G., 66 Woodbine
Manchester, Albert C. Large), 136 Dorrance
Mann, Martin, 21 Ralph
Matteson & Stone, 23 Central
May, John G., 97 E George
Mitchell, Jno. C.
Mullin, John E., 35 Baker
Murray & Lamb
Nichols, Wm. L., 9 Camden av
Norcross Bros. Co., 16 Exchange
Norquist, P. Oscar, 8 Hamlin
Northrup, S. G., 62 N Main
Norton, John, 47 S Main
O'Neill, M. R., 143 Dyer
Parr & Watts Co., 55 Jewell
Pay, Alfred W., 16 Crawford
Peck, Jas. C., 73 Westminster
Phillips, Lemuel O., 15 Camden av
Pierce, F. L., 75 Westminster
Pierce, Lewis J., Bldg Co., 17 Custom
Raftery, Jno. T., 55 Candace House
Redford, Benj., 111 Orange
Ross, Thos. B. & Son (General), 75 West-
Rowland, Jno. H. minster
Scott, Jno. A., 87 Orange
Shaw, F. E., 160 Atlantic av
Smith, Thos. P., 1076 Westminster
Spencer, Geo. G., 53 Barrows
Stone, Jos. T., 75 Westminster
Stubbs, Thomas, 369 Washington
Sullivan, J. H., 665 Prairie av
Sundberg, Nils M., 350 Orms
Tallman, N. I., 240 Pearl
Tank & McKinnon Cons. Co.
Turgeon, E., 16 Babcock
Waterman, W. E., 918 Plainfield
Watson, Wm. H. J., 120 Governor
Welch & McGreen, 229 N Main
Whalen, Jas. F., 30 Evergreen
Williams, William, 29 Weybosset
PRUDENCE—Le Clair, Eugene, Jr.
RIVER POINT—Vaughn, F. L. & Co.
RIVERSIDE—Beloin, O. C.
Jenks, Frank
Kirby, E. E.
RUMFORD—Belcher, D. W.
SHANNOCK—Card, E. S.
TIVERTON—Summer, J. M.
VALLEY FALLS—Morin, John B.
WAKEFIELD—Bell, L. F.
Brown, J. W.
Bullock, Geo. H.
Holland, C. H.
Oatley, Lincoln N.
Pollock, R. A.
Shumway & Potter
WARREN—Hall, William
Loughran, Thos. J.
Murphy, J. H.
Nichols, H. A.
Smith, Richard
Watson, E. K. Co.
WARWICK—Lockwood, J. A.
WASHINGTON—Shippee, H. M.
WESTERLY—Babcock & Wilcox
Baggs, Joseph E.
Barber, Wm. H.
Barber, W. W.
Coy & Watrous
Dunham, Charles
Kenyon, H. T. & Co.
Maxson & Co. (Large)
Sherman, Robert A. & Son
Talbot, D. T.
WICKFORD—Bullock, James H.
Straight & McKenzie
WOONSOCKET—Allaire, Victor
Archibald, Geo. W.
Bouvier, J. C. N.
Bradford, Jas. E.
Breault, Laurent & Son
Daigneault, Alfred
Fleurant, John F.
Gilman, Jos. & Co.
Kennedy, Andrew
Lamoreaux, Dosithee
Lavimodiere, Paul
McLaughlin, Michael

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Menard, Louis, Jr.
Norton, W. F.
Simard, Adolphe E.
Warfield, Geo. P.

SOUTH CAROLINA.

ABBEVILLE—Menshall, Fred
AIKEN—Laird, Jno.
ANDERSON—Brissy, W. L. (Lumber)
Guest, C. M.
Hembree, J. L.
Mukkey, W. M.
BRANCHVILLE—Bullwinkel, J. D., 23 Montague
Bullwinkel, J. D., 23 Montague
Grant, C. McK.
Kramer, B. F., 60 Meeting
McArtney Bldg Co.
McCarrell & Sloan
Oliver, Henry (Large), 2 Mott la
Schumacher, H. D. (Large), 614 King
Simons-Mayrant Co., 16 Broad
Treahy, M. J., 5 Horlbeck
Warren, W. M.
Whitmer Cons. Co.
CHESTER—Carpenter, J. C.
Simvill, J. R.
COLUMBIA—Barret, S. J.
Cain, J. J.
Columbia Stone Co.
Lide, C. M.
Thomas, Hasel
CONWAY—Little, H. P.
DARLINGTON—Mooney, C. & Son
FLORENCE—Bounds, S.
GREENVILLE—Brown & McGee
Gallivan, J. F. Bldg Co.
Grandy, J. F. & Son
Grandy, L. S.
Jamison & Morris
Shumate, W. T. & Co.
GREENWOOD—Greenwood Granite & Cons. Co.
LANCASTER—Bowers Bros.
NEWBERRY—Leroy, O. W.
Livingston, W. T.
ORANGEBURG—Blackman, S. A.
Robinson, W. F.
SPARTANBURG—Hertzog, Ernest L.
Martin, J. B.
Willard, Charles R.
YORKVILLE—Keller, J. J. & Co.

SOUTH DAKOTA.

ABERDEEN—Brandes, E. A.
Fossum, A. O.
Halsos, R. K.
Lepper, C.
McLaughlin, D. G.
Narregang, George
DEADWOOD—Mullen & Munn
HURON—Baker, L. D.
Jacobson, Otto
Phillips, Chas.
MADISON—Garner, A. J.
MITCHELL—Kiegs, A. J.
REDFIELD—Stolte & Miencier
SIOUX FALLS—Booth, F. M.
WATERTOWN—Brickell Cons. Co.
Gray Cons. Co.
Rowe Cons. & Heating Co.
Stover Cons. Co.
YANKTON—Burgl, Frederick
Goetz, August

TENNESSEE.

BRISTOL—McCrary, Jas. F.
McCrary, Samuel
Scharf, C. R. & Co.
Smith & Wilson
CHATTANOOGA—Adams & Schneider (Large),
Allen & Curry 120 E 8th
Brandon & Davis
Dewey, J. J. & Son
Dunlap & Barley
Dutton, Jas. F.
Edwards & Frankhouse
Fisher & Brown, P. O. B., 246
Gibbs, L. C.
Hitsfeld, L. A., 14 E 7th
Noll Cons. Co.
Smith, Chas. E.
Troutt, John (Stone), 1090 Market
Weigel Wm. A.
CLEVELAND—Marshall, S. W.
COLUMBIA—Simpson, Thomas (Brick)
COVINGTON—Shelton, R. B.
DYERSBURG—Nichols, J. M. (Large)
FAYETTEVILLE—Brogan & Cummings
GALLATIN—Simpson & Sons
HUMBOLDT—Campbell, J. E.
McIlwain, Chas.
JACKSON—Fleenor, R. L.
Heavner, U. R. & Co.
Parish Bros.
KNOXVILLE—Brimer & England, 516 S Gay
Brimer & England, 516 S Gay
Callahan Cons. Co., Empire bldg
Cooley & Sons, 402 Chamberlin
Galyon, L. A., 205 N Florida
Monday Cons. Co.
Scott, J. Foster
Worsham, Hugh F., 2540 Jefferson av
MEMPHIS—Abele, W. N., 157 N 3d
Anderson, Axel (Stone), 870 Autumn av
Crawford, D. M. & Co., Builders' Exchange
Creson, R. F. Builders' Exchange
East End Bldg Co., 5 Lenow bldg
Emmons, D. & Co., 61 Madison
Gettingby, A. W. (Large), 996 Madison av
Harris, J. M., 22 N 3d
Hunter, C. W., 67 Monroe av
Jenkins, Thos. (Stone), 278 Madison
Kelly, M. J., Builders' Exchange
McKnight & Barker, Builders' Exchange
Mohr, Geo., 19 Huling
Moselage, J. H. (Large), Builders' Exch
Nelson, J. J., 724 Walker av
Parlow, W. E., 2050 Linden av
Pentecost & Johnson, 200 Goodwyn Institute bldg
Pritchard Bros. (Large), 642 S Camilla
Quinn, C. B. & Co. Memphis Trust bldg
Ramsey, J. P., 1995 E Courthand pl
Rettew, H. J., 224 N Cochran pl
Roach & Stansell, N Memphis Savings B'k bldg
Seldon-Breck Cons. Co., Tenn. Trust bldg
Silk & Chambers (Brick), Builders' Exch
Slater, O. L., Bruce av
Southern Improvement Co., Gaston c Price
Wagner, Clinton J. (Large), 664 East
Wooten, L. E. & Co., 166 Jefferson
Wright, J. N., 55 4th
Wright, W. G., 335 Adams
Young, Fred B, (Large), 1219 Miss. bulv.
MORRISTOWN—East Tenn. Wood Working Co.
Willing, C. B.
NASHVILLE—Barnard, Chas. H., 901 Warren
Berry, Nathaniel, 2004 W Jefferson
Biggers, Thos. J., 131 Ford av
Blackman, F. H., 134 3d av, N
Blankenship & Everson, 213 Cleveland
Bowers, S. H., Printers' al n Union
Bowling, James A. & Sons, 306 3d av, N
Brooks, J. T., 1012 Scovel
Brown, Thompson A., 411 Union
Brown, W. A., Lutie & Nolensville rd
Burnett, L. T., 1405 Wheless
Burton, F., 523 N 1st
Busby, P. R., Hart & Mansfield avs
Bush Bldg Co., 41 The Arcade
Carter, Clark C., 2207 Murphy av
Central Cons. Co., 701 Stahlman bldg
Chilton & Billis, 911 Church
Christman, J. Arthur, 404 3d av, W N
Cooper & Ferguson, 1114-26 First av
Cuzzort Bros., White Creek rd & N 1st
Dean, Joseph E., 116 N 4th
DeHart, I. N. & Son, 211 13th av
Douglass, Robert L., Printers' al n Union
Dunn, W. F., 1006 Buchanan
Finney, R. R., Caldwell av n 17th
Foster & Creighton, Berry Blk
Graham, M. M., 418 Deaderick
Griffin, H. & Bro., Printers' al n Bank al
Griffin, O. W. & Co., 425 Deaderick
Griffin, R. A. & Son, Mulberry n S High
Guarantee Cons. Co., First Nat'l B'k bldg
Howell, James L. & Sons, 129 3d av, S
Jones, Green L., 500 14th av, N
Kincaid & Co., 214 4th av, S
Kirk, Eli S., 709 Kentucky av, W. N.
Lanier, Samuel A., 1418 Chadwell av
Lawrence, Edward J., 1st & Main
Lewis, E. T. Co., 59 The Arcade
Lightman, Joseph, 1906 West End av
Lowe, Wm. D., 1107 Horton
McCollum, R. B., 1909 State
McConnell, F. P., 1219 5th av N
McDonald, W. N. & Co., Cole bldg
McEady & Mason, 20th av & Church
McKissick, Geo., 413 4th av, N
Mitchell, J. B., 322 Arrington
Moore, G. & Sons (Large), 521 8th av. S
Norman & Rhodes, 410 Cedar
Pease, T. J., 523 7th av, S
Peter, Jos. H. & Co. (Inc.), 1st & Main
Price, Winfield S., 1105 Boscobel
Primrose, Benj. F., 1104 Porterfield
Proctor, Joseph A., 67 Bridge av
R. C. Cons. Co., 1300 Church
Rives, C. W., 418 Deaderick
Robeson, John C., 401 6th av
Robinson, J. M. & Co., 514 B'way
Ruffin, J. W., 701 Joseph av
Sanders, James S., 83 S 4th
Schuyler, Schuyler & Co., 905 3d av, S
Scott, J. W., 1282 4th av S
Sloan, James A. G., 57 Bridge av
Smith, Cory W., 303 3d av, N
Tolar, T. J., Commerce & Vendome al
Trotter, J. K., 2425 25th av, S
Tucker, J. P., 300 Fillmore
Vaughn, S. M. & Bro., 313 Demonbreun
Vester, J. J., White's Creek pike, 2 miles
Wade & Hobdy, 1st & Oldham
Walden, Harry M., 418 Deaderick
Walker, Peter, 1622 Church
Warren, Thomas P., 304 W Cloud al
Wassmer, Adolphus, 1418 3d av, N
Webb, J. A., 818 Shelby av
Wilkes, M. S. & Son, 30 Bridge av
Willard, Theo. F., 138 8th av, N
Williams, Edward L., 1103 Louisiana av,
Williams, John R., 7 N 1st W. N.

TEXAS.

ABILENE—Totton, Milo
AUSTIN—Fiegel, Geo., 411 Lavaca
Fischer, Francis (Brick & Stone), 1008
Lambie, R. C., 110 W 9th West av
Shurr, C. A., 402 E 11th
Wattinge, Jacob (Brick & Stone), 1005 Red
BEAUMONT—Babin, A. River
McKnight, M. A. & Co.
Whitney, W. C.
CORPUS CHRISTI—Ring & Powell
DALLAS—Franklin Fireproofing Co., Wilson
Knight & Kenyon, 257 Crutcher bldg
Lindsay, D. H., 159 Belleview
Slaughter, John W., Cons. Co.
Watson, Alex., 285 Main
DENISON—Cox & Peel
DENTON—Lovell, Thos.
EL PASO—Holland, T. J.
Powers, Frank
Rattenbury & Davis
Turbeville Cons. Co.
FORT WORTH—Bardon, Jno.
Davies, W. A.
Henderson, Jas. G. (Stone)
Hughes, David (Stone)
Kuhlman & Blue
Lusher & Rockett
Norris & Nichols
Texas Building Co., F. & M. Bank bldg
United States Cons. Co.
GALVESTON—Bowden & Worth, 514 9th
Clarke, Chas. & Co.
Deats & Morris
Garnett, Robert B. & Co., 2221 Church
Palliser, Robert (Brick), 2218 Mechanic
HOUSTON—Park, W. G.
Ruderdarf, John B.
Wenzel, O. C., 610 Travis
MARLIN—Branson, A. L.
MARSHALL—Forshund, Wm.
Heggins, Jas.
NAVASOTA—Navasota Telephone & Cons. Co.
SAN ANGELO—Carr, Milton
SAN ANTONIO—Boelhauwe, Chas. G., Burnet & N Walnut
Boettler, L. P., 801 Commerce
Builder's Cons. Co.
Dawson, N. A.
Fenstermaker, Wm.
Fincham, Chas. T.
Findlay Mfg. Bldg & Cons. Co.
Fussel, A., 2001 Virginia
Garrett, Jno. D.
Hagy, W. M., 742 Penn av
Judson Bros.
Langworthy, R. O.
Nelson, J. P. Cons. Co.
Nelson, P.
Richter, Clemens
Scott, H. L. & Co.
Shields, P. T., 1712 N Olive
Wagner, Jacob H.
SAN MARCOS—Beasley, D. K.
Breeding & Northcraft
SEQUIN—Goodman, Jno. W.
SULPHUR SPRINGS—Wilson, G. H.
VICTORIA—Bailey Mills Co.
WACO—Baker, J. B., N 5th & Grand av
Harris, J. N.

UTAH.

SALT LAKE CITY—Allen, W. L. N., 24 I
Alston, C.
Anderson, P. M.
Armstrong, T. J.
Ashton Bros. (Stone), 464 W 1st S
Asper, Noall & Co., 157 W. N. Temple
Brain, C. J., 73 S Main
Bingham Cons. Co.
Black & Lefler
Brittian, J. H.
Burke, J J. & Co.
Clement & Strange
Commercial Mill & Bldg Co., 141 S 3d. W
Curley, Geo. (Stone), 345 N 1st N
Davis M. & Son
Doran, Frank

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Eardley, John A.
Eckert, J. L.
Engdahl, O. M.
Farrell, J. W.
Fletcher, F. E.
Hamlin, A. L.
Hanley, J. C. Cons. Co.
Grunfor, Andrew, 726 W 6th N
Hanson, H. P.
Hartwell, O. E.
Hodgson, O.
Holmes & Watkins
Inter-Mountain Lbr. & Bldg Co.
Jenkins, A. J.
Jones, J. E.
King, M. M.
Lester, Samuel, Jr.
Lister, Wm.
McGinty, G. E.
Marron & Baker
Martin, L. D.
Mellen, J. W., Jr.
Mickel, Henry
Mickelson, A. P.
Morrow, Geo., 512 Constitution bldg
Nelson, Ole
Nilson, Olof
Pacific Cons. Co.
Percival, J. W.
Ritter, L. K.
Rudden, A.
Rushton & Burkinshaw
Salt Lake Bldg & Mfg. Co., 40 N 2d W
Schraven, J. F. & H. E.
Shaw, A. & L. C.
Shoivaker, W. J.
Showell Bros. & Belcher (Inc.)
Sunter, W. R.
Tuddenham, W. J., 663 2d
Warren, O. P.
Warren, Samuel P.
Wattrous, Ray
West, Cornelius
Wheelon, E. R.
Whitman, Edward M.
SPANISH FORK—Spanish Fork Cons. Co.

VERMONT.

BARRE—Bradford, W. F.
Bugbee, C. L.
Churchill, Chas. A.
Waters, Fred'k
BENNINGTON—Carpenter, Theo. A. & Sons
Dunham, Walt. E.
Pilling, Robert E.
Remington & Wood
Silk, Jas. S.
BRANDON—Rogers, Thos. W.
BRATTLEBORO—Bailey, Martin A.
Cushman, Wm.
BURLINGTON—Austin, Z. T., 244 College
Mitchell, Frederick P.
Moore, Eugene F.
Spear Bros., S Battery c Bank
Spear, Chas. W
Vermont Cons. Co.
Whitney, Chas., 10 Townsend pl
FAIR HAVEN—Wood, Nelson
HARDWICK—Angell, Timothy E.
Shepard, Chas. O.
Trow, Geo. C.
ISLAND POND—Ladd, M. B.
LUDLOW—Chapman, Geo. H.
Bawrence, Harry S.
MONTPELIER—Alexander, A. J.
Jackson, W. E.
Perkins, Jas.
NEWPORT—Norris, Charles A.
RUTLAND—Adams, Arthur L.
Conniff, Frank, 55 Evergreen av
Houston, Byron K., 53 Chestnut av
Page, Chas. E., 141 N Main
Remington, F. H.
ST. ALBANS—Butler, J. E.
ST. JOHNSBURY—Bragg, Alfred L.
Brunnelle, Jos.
Foye, James M.
Lynch, C. B.
SPRINGFIELD—Burpee, Chas. E.
Burpee, Warren L.
Morse, Jos. E.
Morse, Wm. P.
WATERBURY—Deal, William
Hazelton, Walter
WINDSOR—Morrill, H. E.
WOODSTOCK—Goble, Peter A.

VIRGINIA.

ALEXANDRIA—Chauncey, G. W. & Son
Rogers, Joseph F., South Fairfax
BEDFORD CITY—Bondurant, J. E.
Hill, C. R.
Overstreet & Wingfield
BERKLEY—Johnson, A. S. & Co.
Jones, Jno. W.
Phelps & Old
BRISTOL—McCrary, J. B. & Son
Scharf, C. R. & Co.
Smith & Wilson
BUENA VISTA—Grow, W. H. Co.
Newland, Wm. P.
CAPE CHARLES—Grimmer, Conrad
CHARLOTTESVILLE—King Lumber Co.
CLIFTON FORGE—Alleghany Cons. Co.
Emswiler, L. A.
DANVILLE—Deitrick & Pearson
Fitzgerald, J. H. & Co.
Fitzgerald, W. G. B.
Graham, R. B., 312 Patton
FARMVILLE—Boiling, Thos. A.
Cox, Geo. E.
Pollard, Daniel
Twetvetress, F. H.
FREDERICKSBURG—Stearns, Frank P.
Worter, Geo. W.
GROTTOES—Eutsler Bros. (Large)
HAMPTON—Brinson, J. H.
Holtzclaw, C. T.
Messenger, P. B.
Pully, L. O.
Richardson, R. H. & Son
Seymour & Mears
Tennis Cons. Co.
Tennis, R. B.
Weston, Alex.
LEXINGTON—Layne, D. S.
LYNCHBURG—Adams-Monroe Mfg Co. (Large)
Agnor, Lee S. & Son
Bartemus J. P.
Bennington, S. B.
Ellis-Winfred Cons. Co.
Hancock, C. W. & Son
Jones, W. T.
McLaughlin, Jas. T., 211 Ninth
Pettyjohn, John P. & Co. (Large)
Smoot & Shehan
Snead, W. B. & Co., 1321 Main
Womack, C. W. & Co.
MANCHESTER—Walker, R. D.
MARTINSVILLE—Burge, L. J.
NEWPORT NEWS—Akers, W. H.
Barbour, D. B. & Co.
Curtis, Jas. C., 114 35th
Davis, J. W. (Brick)
Davis, Jno. W., C. & M. Bank bldg
Downing, Julian E., 231 20th
Fraser, J. J.
Gayle, M. W.
Harwood & Moss
Morgan, E.
Phipps, D. J.
Richardson, West, Silsby bldg
Via, Geo. A., 114 27th
Ware, Geo. G., 2401 Orcutt av
NORFOLK—Addenbrookes, J. W. Sons, Grandby & N. & W. Ry
Anders, J. E., 23 Essex bldg
Ashton, Wm. J., 220 E Brown av
Banks, Geo. T., 217 Monticello av
Blick, L. T. & Son, 69 Cove
Brent, Wm. J., 322 Board of Trade bldg
Bunting, Jas. M., 526 31st
Drew, W. H., 433 Fort
Falliard, Eugene, Columbus av
Fearing, Chas. E., 302 W Brambleton av
Gregory & Williamson, 122 S Reservoir av
Hayden, Homer D. Cons. Co., Atlantic
Holland, R. L., 108 12th Trust bldg
Marshall, W. W. & Co., Citizens B'k bldg
Meyers, Turpin Cons. Co., Carpenter bldg
Monk, Henry, 27th c Armistead av
Murray, W. D. & Co. (inc), Citizens B'k
Pierce, J. H., 631 Law bldg bldg
Porter, James N. W., 28th, n Granard
Price, Rodalph M., 26th c Fawn, V. H.
Reynolds, Allen J., 125 33d
Richardson, West, 404 Atlantic Trust bldg
Roberts, I. C., 17th c Llewellyn av
Seaward, Geo. W., Carpenter bldg
Specialty Cons. Co., B'd of Trade bldg
Tatterson, Elbert, 36 Granby
Totty, G. H., 75 Outten
Tyree, W. E., Lowenberg bldg
Walker, A. B., 23d c Colley
Williams, S. G. & Co., 4 Plume
PETERSBURG—Benson, Lewis O.
Brister & Harrison (Inc.)
Brown, B. F.
Goodwin, Geo. M.
Harrison Cons. Co.
Rowell, J. C., Sheppard
PHOEBUS—Cross, E. & Son Co.
Culpepper, Z. O.
PORTSMOUTH—Boswick, Jas. R., 1112 Effingham
Foreman, Edward S.
Godwin, David W., 922 Effingham
Hutchins, S. B., 409 Wythe
Johnson, C. C.
Keeler, J. B. & Son
Nelms, C. F.
Ogg, A.
Overman, E., County ex. c Virginia av, C P
Perdue, Wm. A.
Tee, John C.
Turner, W. R.
Webb, John N., 332 High
White, H. S.
Williams, C. T.
Williams, Jas. F.
RADFORD—Dudley, Jacob W.
Stump, J. T.
RICHMOND—Ancarrow, Newton E., 724 E Main
Atlantic Bitulithic Co., 413 Mutual bldg
Barry, Thos. A. & Co., 12 Times bldg
Batkins, C. L., 910 Marshall
Bedford, A. C., 2614 W Main
Beveridge, W. H., Jr., 507 W. Clay
Bradley, W. B. Cons. Co., Dock nr 17th
Chesterman, W. A. (Large), Cham of Com. bldg
Cosby, Benjamin F., 109 N 8th
Davis, C. W. & Bro., 2513 Floyd av
Dietrich, E. J., 270 E Main
Elmore, R. E. & Co., 1625 W Broad
Ford, E. P., 2611 W Main
Fox, Jas. & Sons, 207 Mayo
Gilman, W. J., 1810 W Grace
Heppert, Joseph, 908 W Clay
Houston, A. C., 10 S 6th
Langford, Chas. H., 306 N 1st
Mankin Cons. Co., 812 E Main
Mason, C. A., 1403 Beverely
Matthews, Harvey L., 9 S 6th
Maynard & Ford, 1900 Floyd av
Moore, Wm. H., 1321 Rose
Netherland & Enbank, 2701 N Cary
Newell, Wm. B., 1315 Park av
Nuckols, John T., 1111 E Main
Parsons, Geo. W., 413 E Canal
Pollard, C. W., 1208 N 20th
Powers, John T., 2406 Grove av
Ready, W. J., 1619 Park av
Roney & Atkinson, 760 E Grace
Schminke, J., 615 Albemarle
Siewers, Richard A., 604 W Canal
Sims, C. T., 309 W Clay
Swann, Thos. C., 3419 E Clay
Thomas, Jos. W., 406 N 5th
Tiller, Geo. W., 415 W Clay
Walkup, Alva M., American Bank bldg
Wilson, Jno. T. (Large), Mutual Assurance Society bldg
ROANOKE—Barbour, John F., Crystal Springs Ex
Brooke & Hunter
Conley, D. C. (Stone), 233 Gilmer av
Figgatt, B. A.
Grove, W. H., 348 Elm av, S. W.
Harris, J. G.
Keffer, C. D., 403 Highland av, S. W.
Kirkwood, G. G.
Markley, C., 8 Campbell av, S. W.
Marshall, A. L.
Nesbitt, Jos. C.
Pollard, J. B., 116 10th, S. W.
Rhodes & Wade
Shockey & Field
STAUNTON—Blackburn, John H. & Bro.
Blackburn & Lour
Larner, Wm.
Livick, A. J.
Payne, Montague
SUFFOLK—Darden, J. M.
Riddick, B.
WINCHESTER—Dieffenderfer, E. H.

WASHINGTON.

ABERDEEN—American Cons. Co.
Taylor, Fred
Tiefenthaler, J.
ANACORTES—Barnett, C. C.
Davis, D. J.
Dean, Jesse
Pennington & Trafton
Robertson, J. S.
See, E. G.
See, J. J.
BELLINGHAM—Baumeister, W. I. & Co.
Beebe Bros.
Booker & Campbell
Campbell & Anderson
Lind, Chas. E.
Martinson & Ossberg
Riddle & Kavanaugh
Sauset, K.
Waples, Magnus
CHEHALIS—Anderson & Robinson
Robinson, Geo. A.
COLFAX—Good, J. B. & Co.
ELLENSBURG—Ackley, H. C.
Ames Bros.
Moon, Jno.
Riggs, Alonzo
EVERETT—Baptie, Walter
Bergeron, T. J.

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Bishop, Geo. H.
McAdam, A. D.
McAdam, Robert B.
Thorsig, A. & Co.
HOQUIAM—Grays, Herbor Cons. Co.
Hall, C. T.
Knack, F.
Romans, O. H.
MOUNT VERNON—Stackpole, F. H.
NORTH YAKIMA—Friesen, G. E.
Howard, A. E.
Lum, C. E.
Switzer, A. F.
Wise, W. A.
PORT ANGELES—Gate City Cont. Co.
Wood, P. J.
PORT TOWNSEND—Stegerwald, Andrew
PULLMAN—Pullman Improvement Co.
Valk, A.
RITZVILLE—Carlen, G. A.
Roth, Benj.
Schuler, S. S. & Sons
ROSLYN—Adam, Wm.
SEATTLE—General Cont. Co., 409 Globe blk
Geeke & Co. (Inc.), 502 Pacific blk
SEDRO WOOLLEY—Ennis, D. B.
SOUTH BEND—Rade, C. O.
SPOKANE—Broad, Jas. C.
Huetter, J. T. E., 429 Sharp av
Jasper, Chas.
Lahr, Ernest E.
Murphy, M. C., 1st & Howard
Peterson, P. L. (Large), 2220 Bridge av
Phair, Frederick E., 1728 Jefferson
Scott, Salter & Scott
Willett & Camp, 27 Main
TACOMA—Barts, C. A., 416 N. G.
Becker, J. P. & Son, 1419 S Ainsworth
Bennett, Nelson Co., 509 Nat'l B'k of Commerce bldg
Black, A. S., 726 St. Helens av
Blows & Tuell, 951 S D
Bonnell, J. E. (Large), 758 Commerce
Coucannon, P. J., 2936 S J
Cornell Bros., 702 S C
Dibble-Hawthorne Co., 506 Nat'l B'k of Commerce bldg
Elmore, C D., 31st c Le Lin
Huntington, John, 1712 Commerce
Jones, N. A., 425 California bldg
Knoell Bros., 1211 S L
Lee, James, 1012 S Steele
Lister Cons. Co., 516 Berlin bldg
Nichols & Handley, 962 Pacific av
Russell, Geo. H., 421 S 31st
Sayre, C. A., 1136 Commerce
Snyder, Frank, 821 Court A
Southwood, Chas. A., 1016 S 13th
Stayton, L. Y., 510 California bldg
Wells, Jas. E., 2329 S Sheridan av
Young & Lamley Co., 311 S 11th
VANCOUVER—Ferris, F. L.
Hardin & Moore
Rectar, A. B.
Sanderson, W. G.
Sypneski, Martin
WALLA WALLA—Bailey & Lambert
Bessett, Henry E.
Caris, C. F.
Cox, E. G.
Wassell & Taylor
WENATCHEE—Bailey, I. J. & Co.
Rogers, F. A.

WEST VIRGINIA.

BLUEFIELD—Kirkbridge, T. W.
CHARLESTON—Newsume, W. D. Co.
Withrow, A. F. & Co.
CLARKSBURG—Clarksburg Cons. Co.
Hickman, C. I.
FAIRMONT—Amos & Phillips
Barchinal, T. L.
Fleming, O. J.
Heckman, W. B.
Holbert & Spedden
Moats, D. D.
Silly, Geo.
GRAFTON—Keane, J. M.
Magill, J. L.
HUNTINGTON—Shultz, J. B.
MARTINSBURG—Couchman, G. H.
Westenhauer, S. A. (Large)
MORGANTOWN—Smith Cons. Co.
PARKERSBURG—Black, T. A.
Davidson, S., 119 W 13th
Reich, Matthew
Skidmore, C.
PIEDMONT—Sigler, Wm. T.
SALEM—Davis, M. W.
Robinson, J. T.
Watson, A. J.
WELLSBURG—Mathews, J. H. & Co.
WHEELING—Aetna Cons. Co.
Beltz, J. W. & Sons, 19th c Eoff
Fort, Henry Cons. Co.
Gelsey, John L., 149 15th
Grafton Cons. Co.
Hamilton, N. C. & Sons, 1409 Market
Jackson, T. W.
Murray Bros., 1209 Eoff
Perkins, B. Frank (Brick), 2331 Eoff
Rosenberg, J. H. & Son (Stone), 2810 Eoff
Wilson, W. A. & Son, 1215 Main
Woods, W. W. Co., 33d & Chapline

WISCONSIN.

ANTIGO—Otis, J. W.
APPLETON—Appleton Cons. Co.
Fraser, A. A.
Green & Sons Co.
Hackworthy Cons. Co.
Johnston, Thos. E.
Sherry, Jas.
Weinberg, J. F.
ASHLAND—Asselstine, Henry
Eagan, Daniel
Jacobs, Barney
Pugh, T. E.
Sandstrom, John
Scott-Taylor Co. (Large)
Wilkinson, Geo.
BARABOO—Graff, Henry
Isenberg Bros.
Judivine, Arthur
BEAVER DAM—Kathlow, R. F.
Klatt, Albert
Klatt, Edward
Linde, John
BELOIT—Askin & Green
Bassett, D. F.
Cliff, John
Cunningham Bros. (Large)
Dearhammer, A. L.
Meagher & Cook
Murray, Wm. G.
Quinn, W. H.
Schneiberg & Co.
Stevens, W. E.
Tiffany, Clarence F.
Voorhees & Gilman
BERLIN—Ceman, Julius F.
Haminiski, Frank E.
Kramp & Ceman
Otetter, Louis
BURLINGTON—Diener, Chas.
Rottering Bros.
Rueter, Jas. A.
Salsbury, Joseph C.
Zarnecke, Gustave
CHIPPEWA FALLS—Campbell, A. J.
Lister, Wm.
Stanley, F. G. & C. A. Co.
EAU CLAIRE—Arnold, L. L. & Co.
Hoeppner, Bartlett & Co. (Large)
Lang & McAnulty
Meyers, Wm. L.
Peterson Bros.
EDGERTON—Hargreaves, Geo. W.
Henderson, J. O.
FOND DU LAC—Barret, Jas. J.
Dreis, Mathew
Hutter, Jos., Sr.
Immel, John W.
Ley, Julius
McCugo Cons. Co.
O'Connell, Thos.
Sizer, F. E.
Tripp, J. B.
Voell, Anton
FORT ATKINSON—Griffin, C. J.
GREEN BAY—DeGroot, Martin
Fabry, Louis
Green, Adolph (Large)
McGrath Cons. Co.
Minahan Building Co.
HAYWARD—Martinson, Chas.
HUDSON—Kircher, Peter
Lee, John
JANESVILLE—Baker, Orlando
Blair & Summers
Calling, Geo. K.
Carpenter, Chas.
Crossman, B. P.
Cullen, J. P. & Co. (Large)
Dailey, Chas. W.
Donehoe, Edward
Ford & Boos
Hager, Hilton & Co.
Heise & Roberty
Janesville Cons. Co.
Kelly & Mason
Nowlan, Oscar F.
Ryan, McManus & Findley
Ryan, Patrick W.
Shearer, James (Large)
Stewart, David
Stewart & Hager
Summers, A. & Son
Wray, J. G.
Wright, J. P.
JEFFERSON—Christ & Lindl
Krussing, Geo. G.
KAU KAUNA—Smith, Geo. L. Co.
KENOSHA—Beecher, J. P.
Filben, Jas. F.
Foulke, Frank
Gaastra, D.
Jones, S. M.
Pabst, Julius T.
Philbin, James
Rowe, W. M.
Windorf Bros.
LA CROSSE—Barney, T. J. (Brick)
Blinston, W. H.
Drake, Henry
Groff & Derr Cons. Co. (Large)
Gutzke, Albert
Hilliker, N. A.
Miller, Jno. A.
Mitchell, A. H.
Nelson, Peter (Large)
Noble, C. W. Co. (Large, General)
Orvik, O. E.
Schwalbe, F. N. (Large)
Sorensen, Ori J.
Stormont, James
Wallace, Edw. (Brick)
Wallace, J. E.
LAKE GENEVA—Huntress, H. W.
La Salle, Chas. O. & Son
Reinert, Malach & Baumbach
Soutar, R.
Thomas, T. E.
Vipham, Thomas (Brick)
LANCASTER—Brackett, F. A.
Brooker Bros. (& Planing Mill)
Price, Daniel
MADISON—Bischoff, Geo. L.
Butler, Dawson R.
Copp Bros.
Cork & Holt
Doran, M. M.
Faber, Peter
Findorf, J. H. (Large)
Forbes, Geo. W.
Frederickson, A. D. & V. J. (Large)
Fritz, Carl
Gilbert, L. B. (Large)
Hanson, Fred, 26 N Baldwin
Hines, Geo.
Johnson, Adolph
Luetcher, Jacob J., 807 E Johnson
McCarthy, T. C. (Large)
Mead, Daniel W.
Melentine & Christhopher
Mitchell, J. H.
Morgan & Morgan (Large)
Oakley Buser
Parr, L. L.
Paunach, Edward
Quinn, Nichols
Sayle Building & Mfg. Co.
Sieler, W. F.
Stephens, David
Tyrrell, Jos. 444½ W Gilman
Vogel, Geo. C.
MANITOWAC—Branchnan, N. J.
Meister & Co.
Schreiter, A. C. & Co.
Treistich & Herman
MARINETTE—Utke, Julius E.
MENASHA—Lux, John
MENOMONIE—Bunker & Doolittle
Govin, Stephen
MERRILL—Hesterman, Fred
Juve, A. O.
MILWAUKEE—Ahrendt & Nero, 322 Ogden av
Angove & Pierce, 613 Cherry
Baltes, A. & Son, 108 Lincoln av
Bassert-Riesen Co., Jackson c B'way
Beck, C. Co., 1150 Kinnikinnic av
Biemann, Otto, 1303 Richards
Brizeinski, Frank H., 1165 1st av
Buchsch, E. M., 395 3d av
Buchholz, Richard, 3116 McKinley boul
Buestrin, H. & Sons (Large), 565 E Water
Christiansen & Brunk, 315 Mineral
Clas, L. A., 564 Marryland av
Conrad, Joseph B., 204 Reed
Debbink, John, 1621 Vine
DeWolf Cons. Co., 96 Wisconsin
Donaldson, Swan B., 437 American av
Ellis & Coogan, 599 Jackson
Emerson, F. M. Co., 135 Grand av
Farrestal, Chas. E., 2208 Chestnut
Fromm, Oscar, 892 5th
Galke, Paul & Co., 832 Winnebago
General Cons. Co. (Large), 106 Mason
Graf, Wm. M., 825 28th
Graham Cons. Co., 748 Cass
Grellinger Bros., 2447 Walnut
Gruendler, Geo. Sons, 481 B'way
Guetzkow, Herman A., 557 3d
Guetzkow, L. A., 142 2d
Gutknecht, Wm., 7699 N Water
Hahn, Ernst, 723 Prairie

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Hansen, Robt P. & Co., 563 27th av
Hassler, Frank, 502 37th
Hathaway, J. E. & Co., Canal w of 1st av
Hausmann Bros., 777 36th
Hausmann, Nicholas, 135 Grand av
Hegeman, Henry W., 557 Oakland av
Holstein, Aug., 1726 Chestnut
Hove, Henry, 1922 State
Huebner, Herman, 529 Jefferson
Hunholz, Frank, 2820 McKinley boul
Hunholz, John, 713 33d
Johnson, F. O., 727 34th
Jones, John G., 209 Pleasant
Junck, H. F., 762 Pryor av
Kasten, Wm., 769 9th
Keller, Richard, 703 41st
Kelling, Aug., 170 Garfield av
Kelling, Henry C., 887 7th
Kerner, Theo., 231 Martin
Kindt, Charles F., 2023 Sycamore
Kindt, Otto H., 1005 W 24th
Klaeser, John, 548 19th
Koehn, John, 602 Maple
Koenew, Jacob, 864 Robinson av
Kowske, Chas., 406 Herman
Krueger, Herman, 997 8th av
Landguth, J., 1211 Galena
Langenberger Cons. Co., 302 6th
Lauer, Nick, 1719 Galena
Lauer, Peter, 608 10th
Lentz & Schiller, 832 Richards
Lutz, Henry C., 1345 10th
McCann Bros., 461 Van Buren
Meredith Bros. Co., 1043 Kinnikinnic av
Miller, Lorenz, 982 26th av
Modern Cons. Co., 32d & Galena
Nuedling, A. & Son, 998 16th
Pierce Mfg. Co., 613 Cherry
Posson, Peter E., 469 Summit av
Quinn, James J. Co., 208 Milwaukee
Raulf, Conrad, J., 533 24th
Riesen, Paul (Large), 1022 Humboldt
Riesen, Richard (Large), 240 24th
Riesen & Wilkie, 421 3d
Sand, Chas., 633 Madison
Schauer, Herman C., 1084 25th av
Schmitt, Herman, 734 Jackson
Schramka, John, 1001 Bremen
Schuett & Frey, 791 Weil
Schulz, Erdmann, 673 Kinnikinnic av
Smith, D. E. & Co., 221 Grand av
Stollenwerk, Elias & Co., 952 Aldrich
Story Bros., 204 Grand av
Strack, W. F., 2816 Brown
Taddey, Adolph G., 747 16th
Taddey, F. W. & Son, 1705 Chestnut
Thiel, Fred, 867 8th
Van Rhienan, Wm., 134 Grand av
Van Roo, Jacob, 538 10th
Vogel, F. L. & Son, 508 State
Wallschlaeger, Hy., J., 1411 Cedar
Wilk Building Co., 711 37th
Williams, Wm. G., 352 Jackson
Ziemann, Henry, 313 1st av
Zunker, William L., 3023 Mt. Vernon av

MINERAL POINT—Ellery, Jas. & Co.
Ensenroth, Herman
Gibbens, Lawrence

MONROE—Bauman & Keister
Iseley, Samuel

NEENAH—Austin, Jas.
Kittow, D. A.
Neilson, Anton
Sindahl, Wm.

NEW RICHMOND—Traiser & Barrett

OCONOMOWOC—Andrews & Jacobson
Flotow, Louis
Nelson, J. & Son
W. E. Company

OSHKOSH—Central Cons. Co.
Flour Bros. Cons. Co.
Flour, Caspar
Frank, W. H., 81 Jefferson av
Frank & Gill
Hanson, Peter L.
Jones, John R.
Mallory, J. E., 105 Frederick
Mertz Bros., 282 13th
Meyer, Chas. R.
Miller, A. F., 15 John
Miller, Jerome
Pitz, August, 215 Church
Radtke, Fred N.
Rasmussen, J. & Sons Co.
Thon, Chas., 121 Otter

PLATTEVILLE—Hughes, J. O. & Son
Kleinhammer, Henry
Rose, J. M. & Son
Satterlee & Knauts

PLYMOUTH—Radloff, Franz
Runge, Wm.

PORTAGE—Brodie, Harry G.
Kutzke Bros.

PORT WASHINGTON—Berners, Hubert

PRAIRIE DU CHIEN—Steiner Bros.

RACINE—Harpster & Johnson
Hay, Thos.
Hocking, Josiah
Jacobson, A.
Jensen Bros., 1835 W 6th
Jones, John O. & Sons
Jorgenson, M. E.
Koerner, A. W.
Rasmussen, Fred.
Roberts & Co.
Svenvig, Chas., West
Williams, Alfred
Williams, W. L.

REEDSBURG—West Side Building Co.

RICHLAND CENTER—Miner, Grant L.

RIPON—Howe, A. S.

RIVER FALLS—Ostness, O. H.
Turnquist, Louis

SHEBOYGAN—Deraske, Aug.
Engelking & Junck
Grasse, Chas.
Haack, Chas.
John & Meyer
Mallman, Wm. F., 934 Wisconsin av
Meyer, H. E. & E.
Nomensen, Richard
Trinberger & Rath

STOUGHTON—Hill, Fred.
Ovren, Aug. E. (Large)

STURGEON BAY—Falke & Greisen Cons. Co.

SUPERIOR—Barnett & Record Co.
Berg & Olson
Dauplaise, Alphonse J.
Donlin, John
Haugner, M. O.
Hunter, J. P.
Joos & Osmundson
McKenzie & Arris, 1708 Winter
Sedlacheck & Anderson
Shunn, W. H.
Smith, Josiah
Zachau, August

TWO RIVERS—Rath, Michael
Schwab & Reiss

WATERTOWN—Bartlett, E. L.
Cowan, Frank
Reimann & Strassburg

WAUKESHA—Advance Cons. Co.
Blair, P. R.
Frank, John
James, Chas.
Laughlin, Edw.
Meyer, Mike
Smith, Frank S.

WAUPACA—Jenson, Simon
Knudson, H. P.
Nelson, T. G. Lumber Co.

WAUPUN—Howard, Jno.

WAUSAU—Anderes, Jno.
Dean, W. H. H.
Miller, John

WAUWATOSA—Dittmar, Christ
Mueller, Jno. A.
Sparleder, F. H.

WEST ALLIS—Carson, W. T.
Marks, Bros.
Weber Bros

WEST END—Riesch, Ben.

WHITEWATER—Bonnett, E.
Tubbs, A. H.

Builders' Cast Iron Work

(See Firms in Iron, Architectural & Ornamental, marked with a Star (*); also Machinists & Founders)

Builders' Hardware

(See Hardware Manufacturers)

Builders' Iron Work

(See Iron, Arch'l & Ornamental; also Iron Railings & Fences; also Iron Stair Builders; also Steel Structural Work)

Builders' Materials & Specialties (Mfrs.' Agents)

Black, John H. (Mfrs.' Agts.), Builders' Exchange, Buffalo, N. Y.
Builders' Material Supply Co., Postal Telegraph bldg, Kansas City, Mo.
Burgess & Chester, Real Estate Trust bldg. Phila., Pa.
Camp, Te Roller (Mfrs.' Agent), Seattle, Wash.
Capron, Albert J., Portland, Ore.
Carson, Wm. T., Law bldg., Baltimore, Md.
Cotter, Wm. T., Jacksonville, Fla.
Crowe, F. T. & Co., Seattle, Wash.
Dailly, S. W. R., Seattle, Wash.
Davis, Geo. H., Jr., Norfolk, Va.
FLEMING & CO., 253 B'way, N. Y. (See adv. index, end of book)
Fryer, David E. & Co. (Mfrs.' Agents, New York blk, Seattle, Wash.
General Supply Co., Milwaukee, Wis.
Hewson, S. J. Co., 10 N 3d, Minneapolis, Minn.
Homer, John E., 7 Clay, Baltimore, Md.
Houston Bros. Co., 32d & P. R. R., Pittsburg, Pa.
Jackson, Howard B., Flat Iron bldg, New York
Kriegshaber, V. H. (Mfrs.' Agent), 6 N Forsyth, Atlanta, Ga.
McKenry, Chas. E., Ferguson bldg., Pittsburg, Pa.
Lawes, Geo. H. & Co., 156 E 3d, St. Paul, Minn.
Moores-Coney Co., Union Trust bldg., Cincinnati, O.
National Building Supply Co., 418 E Pratt, Baltimore, Md.
Paine & Nixon Co., Duluth, Minn.
Paragon Plaster Co., Syracuse, N. Y.
Richardson, H. H. (Contractors' Supplies of all Kinds), Jacksonville, Fla.
THOMAS, E. H. (Mfrs. Agent), 1123 B'way, New York
Thompson, Thos. E., Equitable bldg, Baltimore, Md.
Thomson & Dunlop, 226 W Michigan, Duluth, Minn.
Thorn Cement Co., 112 Church, Buffalo, N. Y.
Tyler, Owen (Mfrs. Agent), Tyler bldg., Louisville, Ky.
Waterhouse & Price Co., 29 New Montgomery, San Francisco, Cal.
Rattenbury & Davis, El Paso, Tex.
Wood Glass Co., Syracuse, N. Y.

Builders' Mill Work

(See Interior Hardwood Work)

Building Blocks

(See Blocks, Hollow Building)

Building Directories (Changeable)

Monash-Younker Co., 208 S. Canal, Chicago, Illinois
TABLET & TICKET CO., 70-86 W Jackson boul, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Building Materials (Second Hand)

Buckeye Wrecking & Building Co., 959 W 7th, Cincinnati, O.
Buffalo House Wrecking & Salvage Co., 491 Walden av, Buffalo, N. Y.
Candee & Krekeler, 417 Grand, Brooklyn, N. Y.
Elston, A. A. & Co., 166 Devonshire, Boston, Mass.
Greene, Byron W., Jr., 309 Av B, New York
Jump, Geo. W. & Co., 45 W 34th, New York, & 214 Greenpoint av, Brooklyn, N. Y.
Kane, Edw. J., 260 Front, New York
Lash, Aug. F. Co., 29 D, Boston, Mass.
Missouri Wrecking Co., Jefferson av & O'Fallon, St. Louis, Mo.
Pachoud Bros., 1037 Gilbert av, Cincinnati, O.
Reeber, Jos. & Co., 527 Flushing av, Brooklyn, N. Y.
Reebers, J. Sons, 3d av & 140th, New York
Seagrist, F. W., Jr., & Co., 304 Av B, New York
Southard, Chas. H. Co., 59 9th av, New York
Van Keuren & Son, Grand & Prior, Jersey City, N. J., & Harrison, N. J.
World's Fair Wrecking Co., Richmond & Horne, Cincinnati, O.

Building Papers

(See Paper, Roofing, Sheathing & Building, Mfrs.)

Building Sheathing (Asbestos)

(See Asbestos Materials)

Building Sheathing (Felt)

(See also Felts, Roofing)

Barrett Mfg. Co. (Red Rosin Sized, etc.), Land Title bldg, Phila., Pa.
Diem & Wing Paper Co., 8th & Eggleston av, Cincinnati, O.
Field & White, 116 Nassau, New York, & Boston, N. J.
Hydrex Felt & Engineering Co., 120 Liberty, New York

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Keystone Hair Insulator Co. (Hair Felt), Allegheny, Pa.
New England Felt Roofing Works, 18 Post Office sq, Boston, Mass.
Standard Pipe Covering Co., Cleveland, O.
Stewart, W. H. Mfg. Co., 81 Fulton, New York
Union Fibre Co. ("Linofelt"), Winona, Minn.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

*Building Sheathing Quilt (Asbestos)

CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book

*Building Sheathing Quilt (Cabot's)

CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book

Building Ventilation

(See Ventilating Apparatus)

Bulbs (Incandescent Lamp)

Corning Glass Works, Corning, N. Y.
Fostoria Glass Specialty Co., Fostoria, O.
Gill Bros., Steubenville, O.
Libbey Glass Co., Toledo, O.
Lippincott Glass Co., Alexandria, Ind.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co., Pittsburg, Pa., & 13 Murray, New York

*Bulkhead Builders (Concrete)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Bulldozers

(See Bending Machines)

*Bulletins for Office & Loft Buildings (Changeable)

TABLET & TICKET CO., 70-86 W Jackson boul, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Bullion (Copper)

American Metal Co., 52 B'way, New York
Beer Sondheimer & Co., 42 B'way, New York

Bullion (Lead)

American Metal Co., 52 B'way, New York
American Zinc, Lead & Smelting Co., Caney, Kans.
Beer, Sondheimer & Co., 42 B'way, New York
Selby Smelting & Refining Co., San Francisco, Cal.
U. S. Metal Refining Co., Chrome, N. J. & Grasselli, Ind.
U. S. Smelting Co., Bingham Junction, Utah
Vogelstein, L. & Co., 100 B'way, New York

Bumpers (Automobile)

Turner Brass Works ("Harroun"), Sycamore, Illinois

Bumpers (Car Seat)

Acme Rubber Co., Trenton, N. J.
Consumers Rubber Co., Cleveland, O.
Elastic Tip Co., Boston Mass.
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.), Detroit, Mich.

Bumpers (Rubber)

(See Rubber Bumpers and Cushions)

Bunchers (Asparagus)

Deer, Henry A., Phila., Pa.
Wicoff, Chas. & Bro., Hightstown, N. J.

Bung Mfrs.

(See Plugs, Wood)

Bung Starters

Boston & Lockport Brass Co., Boston, Mass.
Doscher Plane & Tool Co., Saugatuck, Conn.
Freeman Mfg. Co., Kalkaska, Mich.
Piqua Handle & Mfg. Co., Piqua, O.
Redlich Mfg. Co., 2 Oak, Chicago, Ill.
Sandusky Tool Co., Sandusky, O.
Sommer's, Jno. Sons, Newark, N. J.
Union Hardware Co., Torrington, Conn.
Wilson, F. & Co., Chicago, Ill.

*Bung Tins for Barrels

ACME STEEL GOODS CO., 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlantic, Ga. (See adv. index, end of book)

Bunting Mfrs.

Horstmann, Wm. H. Co., Phila., Pa.
New England Bunting Co., Lowell, Mass.
United States Bunting Co., Lowell, Mass.

Buoys (Gas)

Safety Car Heating & Lighting Co. ("Pintsch"), 2 Rector, New York

Buoys (Life)

(See Life Preservers)

Buoys (Mooring)

Armstrong Cork Co., Pittsburg, Pa.
Drein, Thos. & Sons, Wilmington, Del.
Lane & De Groot Co., Long Island City, N. Y.
Marine Mfg. & Supply Co., 158 South, New York

Burial Cases & Vaults (Slate)

American Slate Co., Bangor, Pa.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Excelsior Slate Co., Pen Argyle, Pa.
Hahn, Granville, Walnutport, Pa.
Hercules Slate Co., Bangor, Pa.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass.
National Slate Vault Co., Bangor, Pa.
Peerless Slate Co., Delta, Pa.
Penna Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E. 138th, New York
Pittsburg Slate Co., 714 Jackson, N. S., Pittsburg, Pa.
Williams Slate Co., Aurora, Va.

Burlaps

Bailey, Christopher & Son, 320 Market, Phila., Pa.
Bailey, Jno. T. & Co., Stephen Girard bldg, Phila., Pa.
California Jute Mill Co., 3 California, San Francisco, Cal.
Chase, H. & L. (Importers), 253 State, Boston, Mass.
Cheever, John S. (Mfrs. & Dealer), 66 Battery March, Boston, Mass.
Chelsea Fibre Mills, 33 Union sq, New York. Factory: Brooklyn, N. Y.
Clapp, H. D. B. & Co. (Waste), 116 Produce av, Philadelphia, Pa.
Davis, T. L. & Co. (Dealers), 110 State Boston, Mass.
Delta Bag Co., New Orleans, La.
Gulf Bag Co., New Orleans, La.
Haskell, Edw. H. (Dealer), 176 Federal, Boston, Mass.
Hoffman-Corr Mfg. Co., 55 White, New York
Mente & Co., Board of Trade bldg, New Orleans, La.
Milwaukee Bag Co., Milwaukee, Wis.
Richter Mfg. Co. (Plain, Decorated, etc.), Tenafly, N. J.
Stoddard, Haeserick & Richards Co. (Importers), 152 Congress, Boston, Mass.
Thompson's, Sam., Nophen & Co. (Importers), 142 Duane, New York City
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Burners (Acetylene Gas)

Acetylene Apparatus Mfg. Co., 157 Michigan av, Chicago, Ill.
Acetylene Gas Illuminating Co., 405 Broome, New York
American Brass & Copper Co., 138 Lafayette, New York
American Lava Co. ("Alco"), Chattanooga, Tenn.
Brown, F. P., 45 N 6th, Philadelphia, Pa.
Carroll, J. Bruce ("Hahn," "Columbia," "Auto"), 92 Illinois, Chicago, Ill.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Colt, J. B. Co., 21 Barclay, New York
Crane, W. M. Co. ("Import," "Brave"), 16 W 32d, New York
Crescent Burner Mfg. Co. ("Crescent"), 339 B'way, New York
Davis Acetylene Fixture & Supply Co. ("Bray," "Davis"), Elkhart, Ind.
Daylight Acetylene Gas Co. ("Starr"), Louisville, Ky.
Dietz, R. E. Co., 61 Laight, New York
Drake Acetylene Burner & Supply Co., San Jose, Cal.
Eagle Generator Co. ("Eagle"), 1530 Pine, St. Louis, Mo.
Gas Tip & Self Lighter Co., 149 Church, New York
Gleason, E. P. Mfg. Co., 37 Murray, New York
Iden & Co., 40 University Pl., N. Y.
Incandescent Burner Co., 665 Fulton, Brooklyn, N. Y.
Kirchberger, M. & Co. ("Von Schwartz" Perfection, "Crescent"), 339 B'way, New York
Lewis Gas Machine Mfg. Co., Fort Worth, Tex.
Novelty Burner Co., Chattanooga, Tenn.
Starr Acetylene Gas Burner Co., Chattanooga, Tenn.
State Line Mfg. Co. ("Wonder," "Acme," "New Century," "Meteor"), Chattanooga, Tenn.
Steward, D. M. Mfg. Co. ("E. H.," "Steward's Dolan"), Chattanooga, Tenn.
United Metal Mfg. Co., 525 W 26th, New York
Williamson, R. & Co., 88 W Washington, Chicago, Ill.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Burners (Automobile)

(See Burners, Kerosene, Automobile; also Burners, Gasoline, Automobile)

Burners (Brazing & Blast)

Gilbert & Barker Mfg. Co. ("Springfield"), Springfield, Mass.
Turner Brass Works, Sycamore, Ill.

*Burners (Coal Dust)

BARTLETT, C. O. & SNOW CO. ("Triumph"), French st., Cleveland, O. (See adv. index, end of book)

Burners (Electric Gas Lighting)

Bogart, A. L. Co. ("Bartholdi" Automatic), 123 Liberty, New York
Boston Electric Co. ("Peerless"), 29 Harrison av, Boston, Mass.
Cleverly Electrical Works, 17 N. 7th st., Phila. Pa.
Electric Goods Mfg. Co. (Automatic Pendant), Boston, Mass.
Holtzer-Cabot Electric Co. (Automatic), Brookline, Mass.
Parke, Jno. Y. & Co. ("Jypco"), 728 Cherry, Phila., Pa.
Roche, Wm. ("Roche"), Jersey City, N. J.
Stevens Mfg. Co., Woodbury, N. J.
Severton-Crossan Elec. Co. ("Victor"), 816 Arch, Phila., Pa.
Webb Gas Lighter Co. ("Webb"), Columbus, O.

Burners (Fuel Gas)

AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Combustion Utilities Co. (Brick, Cement & Lime), 60 Wall, New York
Gilbert & Barker Mfg. Co., Springfield, Mass.
Parson Mfg. Co. ("Parson"), 299 B'way, New York
STRONG, CARLISLE & HAMMOND Co., 836-844 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)

Burners (Fuel Oil)

American Equipment Co. ("Fox"), Norristown, Pa.
Bennett's Petroleum Burner Co. ("Bennett's"), New Process Pneumatic System, San Francisco, Cal.

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Boston Crude Oil Burner Co., Boston, Mass.
Braun, F. W. (For Assayers' Liquid Fuel Furnaces), Los Angeles, Cal.
Cox & Sons Co., 215 Race, Phila., Pa.
Gilbert & Barker Mfg. Co. ("Springfield" Process for Burning Fuel Oil Under Low Pressure), Springfield, Mass.
Hammel, Chas. A., 609 N Main, Los Angeles, Cal.
Hauck Mfg. Co., 140 Cedar, New York
Johnson, S. T. Co. ("Johnson" Low Pressure Air System), San Francisco, Cal.
National Equipment Co. (Inc.) ("Branch", Kerosene, Crude Oil or Distillate), 211 N 7th, St. Louis, Mo.
National Supply Co., 315 Dearborn, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Parson Mfg. Co. ("Parson"), 299 B'way, New York
PETROLEUM IRON WORKS CO. ("The Gem," for Crude Oil Under Boilers), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Rockwell Furnace Co. (For Crude Oil Under Boilers), 26 Cortlandt, New York
Rogers, Jno. M. Works, Gloucester City, N. J.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)
TATE, JONES & CO., (Inc.), ("Kirkwood" for Boilers, Locomotives, Furnaces, Forges, Glass House Work, etc.), Empire bldg, Pittsburg, Pa. (See adv. index, end of book)
Witt, G. E. Co., Inc. ("Little Giant"), San Francisco, Cal.

Burners (Furnace Gas)

Standard Heating & Radiator Co. ("Standard" for Hot Air, Steam & Hot Water), 220 Penn av, Pittsburg, Pa.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)
TATE, JONES & CO. (Inc.) Empire Bldg, Pittsburg, Pa. (See adv. index, end of book)

Burners (Gas, Inverted)

McDowell Mfg. Co., 541 Wood, Pittsburg, Pa.

Burners (Gas, Self-Lighting)

Gleason, E. P. Mfg. Co. ("Gem," "Economic" & "Matchless"), 37 Murray, New York
Matchless Mfg. Co., 31 Washington, Brooklyn, N. Y.

Burners (Gasoline)

(See Burners, Gasoline, Various Kinds)

Burners (Gasoline, Automobile)

Auto Supply Co., 1662 B'way, New York
Carroll, J. Bruce, 92 Illinois, Chicago, Ill.
Dangler Stove Co., Cleveland, O.
Dangler Stove & Mfg. Co., Cleveland, O.
Forg, Peter, Somerville, Mass.
Janney, Steinmetz & Co., Phila., Pa.
Kelly Handle Bar Co., Perkins av & C. & P. R. R., Cleveland, O.
Locke Regulator Co., Salem, Mass.

Burners (Gasoline Engine)

Turner Brass Works, Sycamore, Ill

Burners (Gasoline Gas)

Best Light Co., Canton, O.
Bystrom Gas Lamp Co., 91 Kinzie, Chicago, Ill
Gilbert & Barker Mfg. Co., Springfield, Mass.
Imperial Gas Machine Co., 32 Park pl., New York
Incandescent Light & Stove Co. ("Stubbs"), 423 Pearl, Cincinnati, O
Merkel, Herman, 511 Elm, St. Louis, Mo.
Planet Mfg. Co., 203 Pine, St. Louis, Mo.
Providence Gas Burner Co., Providence, R. I.
Sun Vapor Street Light Co., Canton, O.
Tirrill's Gas Machine Lighting Co., 75 Fulton, New York
Turner Brass Works, Sycamore, Ill.

Burners (Hot Blast, Gas Stove)

Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.

Burners (Hydro-Carbon)

Best, W. N. American Calorific Co., 11 B'way, New York
Baun, F. W. ("Cary"), Los Angeles, Cal.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Gleason-Peters Air Pump Co. ("Peters," for Steam or Air, High & Low Pressure), 181 Mercer, New York
TATE, JONES & CO. (Inc.) Empire bdg., Pittsburg, Pa. (See adv. index, end of book)

Burners (Incandescent Gas)

Block Light Co., Youngstown, O.
Crane, W. M. Co. ("Gem" Bi-Pass), 16 W 32d, New York
Gilbert & Barker Mfg. Co. ("Springfield"), Springfield, Mass.
Hill, A. F. ("Star"), Portland, Me.
Hipwell Mfg. Co. ("Pittsburg"), Pittsburg, Pa.
Imperial Gas Machine Co., 32 Park pl, New York
Incandescent Burner Co., 665 Fulton, Brooklyn, N. Y.
Iron City Stamping Co. (Upright and "Venus" Inverted Light), 7005 Kelly, Pittsburg, Pa.
Kern Burner Co., 86 Warren, New York.
Liberty Gas Light Co., 1284 N. High, Columbus, Ohio
Manhattan Brass Co., 233 E 28th, New York
Manhattan Screw & Stamping Works ("Royal"), 166 West End av, New York
Matchless Mfg. Co., 31 Washington, Brooklyn,
Miller, Edw. & Co., Meriden, Conn. N. Y.
Momand, Sherman S., 305 Columbus av, New York
Pittsburg Lamp, Brass & Glass Co., Pittsburg, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rector Gas Lamp Co., 47 Leonard, New York
Solar Light Co., 881 Broome, New York
Stamford Gas Stove Co., Stamford Conn.
Steward, D. M. Mfg. Co. ("E. H."), Chattanooga, Tenn.
Turner Brass Works, Sycamore, Ill.
Unique Art Glass & Metal Co. ("Star"), 105 Vandeveer, Brooklyn, N. Y.
Waterbury Brass Goods Corporation, Waterbury, Conn.
Welsbach Co. ("Universal," "Standard" & "Consol"), 922 Chestnut, Phila., Pa. Works: Gloucester, N. J.
Willtom Gas Light Co., Columbia bldg, Columbus, O.

*Burners (Japanning or Baking)

AMERICAN GAS FURNACE CO. (Gas), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)

Burners (Kerosene, Automobile)

Barton Boiler Co. ("Burnell"), 2427 Calumet av, Chicago, Ill.
National Equipment Co. (Inc.) ("Branch" for Steam Automobiles), 211 N 7th, St. Louis, Mo.
Ofeldt, F. W. & Son, Nyack, N. Y.
Steam Carriage Boiler Co., Oswego, N. Y.

Burners (Kerosene Oil)

Miller, Edw. & Co., Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co. Waterbury, Conn.
Turner Brass Works, Sycamore, Ill.
Waterbury Brass Goods Corp., Waterbury, Conn.

Burners (Lamp)

Best Light Co., Canton, O.
Bing Burner Co. ("Bing"), 15 N E 5th, Minneapolis, Minn.
Bristol Brass Co. (Kerosene), Bristol, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Gottschalk, F. C. (Kerosene Incandescent), 205 B'way, New York
Miller, Edw. & Co., Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Waterbury Brass Goods Corporation, Waterbury, Conn.
Wheeling Stamping Co., Wheeling, W. Va.

Burners (Natural Gas)

AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
American Stove Co., St. Louis, Mo.
Brown, Frank P., 45 N 6th, Phila., Pa.
Crane, W. M. Co. ("Gem" Self-Lighting), 16 W 32d, New York
Dayton Pipe Coupling Co., Dayton, O.
De Lery, Jos. B., 132 Nassau, New York
Enterprise Foundry Co., Allegheny, Pa.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Hess-Snyder Co., Massillon, O.
Hollands Mfg. Co., Erie, Pa.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Irby & Gilliland Co., Memphis, Tenn.
Johnson Machine Co., Uniontown, Pa.
Kern Burner Co., 86 Warren, New York.
Kraushaar Brass Mfg. Co., St. Louis, Mo.
Lawson Mfg. Co., Homestead, Pa.
Lord, L. L. Co. ("Victor"), Meadville, Pa.
Love Mfg. Co., Corry, Pa.
McKenny & Waterbury, 181 Franklin, Boston, Mass.
Matchless Mfg. Co., 31 Washington, Brooklyn, N. Y.
Milwaukee Gas Stove Co. (Special High Efficiency), Milwaukee, Wis.
Minneapolis Gas Fixture Co., 802 Nicollet av, Minneapolis, Minn.
Novelty Burner Co., Chattanooga, Tenn.
Odin Stove Mfg. Co., Erie, Pa.
Ohio Brass & Iron Mfg. Co., Columbus, O.
Ohio Foundry Co. ("Allen," "I-X-L." for Stoves, Furnaces, Fireplaces, Water Tanks, etc.), Dayton, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
O'Rielly, M. J., Buffalo, N. Y.
Pittsburg Supply Co., Pittsburg, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reineke, Wilson Co., Pittsburg, Pa.
Reinforced Bronzing & Machine Co. ("Winner" for Large Furnaces, etc.), 2525 Liberty av., Pittsburg, Pa.
Spalding Burner Co., Akron, O.
Stamford Gas Stove Co., Stamford, Conn.
Starr Acetylene Gas Burner Co., Chattanooga, Tenn.
State Line Mfg. Co., Chattanooga, Tenn.
Steward, D. M. Mfg. Co. ("E. H."), Chattanooga, Tenn.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)
Superior Mfg. Co., Allegheny, Pa.
Tallmage, M. F., Buffalo, N. Y.
Union Gas Burner Co., 367 Ellicott, Buffalo, N. Y.
Van Houten, E. J. S., 74 Park Pl., N. Y.
Vim Cycle & Hardware Co., 224 B'way, Buffalo, N. Y.
Wheeling Stove & Range Co., Wheeling, W. Va.
Williamson, R. & Co., 88 W Washington, Chicago, Ill.
Young, E. R. & Sons, Titusville, Pa.

*Burners (Natural Gas Fuel)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), "Klein," "Kirkwood" for Fuel Under Boilers and for Furnaces, Kilns, Dryers, Welding, etc.), Pittsburg, Pa. (See adv. index, end of book)

Burners (Pyrites & Sulphur)

American Coke & Gas Construction Co., 17 Battery pl, New York
Bethlehem Foundry & Machine Co. (for Chemical Mfrs., etc.), South Bethlehem, Pa., & 149 B'way, New York
Caroline Iron Works (for Chemical Mfrs.), 728 S Caroline, Baltimore, Md.

Burners (Refuse)

Casey-Hedges Co., Chattanooga, Tenn.
MacKINNON BOILER & MACHINE Co. (Sawmill Refuse), Bay City, Mich. (See adv. index, end of book)
Muskegon Boiler Works, Muskegon, Mich.
Northwestern Boiler Works, Superior, Mich.
Odlum-Taylor Boiler Co., Memphis, Tenn.
Quinn Bros. ("Quinn," Flat Top Dutch Oven Furnace), Cincinnati, O.
Rodgers Boiler & Burner Co., Muskegon, Mich.

*Burners (Star)

McRAE & ROBERTS CO., 227 Campbell av., Detroit, Mich. (See adv. index, end of book)

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Burners (Tar)

Best, W. N. American Calorific Co., 11 B'way, New York
Parson Mfg. Co. ("Parson"), 299 B'way, New York

*Burners (Weed)

MACLEOD, WALTER, & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Burning Brands

Butler, A. G., 284 Pearl, New York
Everett, A. & Son (Movable Copper Letter), Auburn, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
Illig & Hartmann, 211 Pine, St. Louis, Mo.
Murdock, Jas., Jr., Co., Opera pl, Cincinnati, O.
Nese, Geo. M., Jr., 61 Fulton, N. Y.
Northwestern Stamp Works, (also Shingle Brands), St. Paul, Minn.
Parker, T. M., Hartford, Conn.
Peerless Stamp & Stencil Co., Muncie, Ind.
Sackmann, F. A. ("F-A-S"), Cleveland, O
Schwerdtle Stamp Co., Bridgeport, Conn.
Spencer, Wm. W., 206 Post Sq., Cincinnati, O.
Stewart & Holiman (Brass, 201 B'way, New York
Storts, John & Son, 210 Vine, Phila., Pa.
Vulcan Electric Heating Co. ("Vulcan," Electric), 71 W. Jackson boul, Chicago, Ill.
Wright, Gregory G., & Son, Cincinnati, O.

Bushings

Aird, Alanson A. (Cast Iron, Radiator Bushings a Specialty), Watervliet, N. Y.
American Pulley Co. (Metal, to Fit Any Shaft), 29th & Bristol, Phila., Pa.
Belknap Mfg. Co. (Brass), Bridgeport, Conn.
Caldwell, H. W. & Son Co. (Brass for Pulleys, Sheaves, etc.), 17th & Western av, Chicago, Ill.
Crane Valve Co., Bridgeport, Conn.
Darling Pump & Mfg. Co. (Ltd.) (Brass), Williamsport, Pa.
Edna Smelting & Refining Co. (Brass), 536 Reading rd., Cincinnati, O
General Fire Extinguisher Co., Providence, R. I.
Graphite Lubricating Co. (Graphite & Bronze), Boundbrook, N. J.
Hamlin & Emery Brass Co. (Brass, "Flush & Hexagon), 26 Island, Rox, Boston, Mass
National Tube Co. (Cast & Malleable Iron, Eccentric), Pittsburg, Pa.
NORTH AMERICAN METALINE CO. (Loose Pulley, Oilless), 4 West av, Long Island City, N. Y. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)
Reeves, Paul S., & Son (Brass, Bronze & Phosphor Bronze), 1415 Catherine, Philadelphia, Pa.
Sherman, H. B Mfg. Co. (Hose), Battle Creek, Mich.
Union Elevator & Machine Co. (Self Lubricating), 144 Ontario, Chicago, Ill.
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Bushings (Adjustable Pipe)

ARMSTRONG MFG. CO. ("Bard"), Bridgeport, Conn. (See adv. index & branch offices, end of book)

*Bushings (Bronze)

BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv index, end of book)
NORTH AMERICAN METALINE CO., 4 West av, Long Island City, N. Y. (See adv. index, end of book)

Bushings (Conduit)

(See Bushings, Outlets & Locknuts)

Bushings (Expansion)

Brown & Sharpe Mfg. Co., Promenade nr Park, Providence, R. I.

Bushings (Glass)

Electrose Mfg. Co., 127 N 10th, Brooklyn, N. Y.

Bushings (Hard Fibre)

(See Fibre Manufacturers, Hard)

*Bushings (Metaline)

NORTH AMERICAN METALINE CO., West av, Long Island City, N. Y. (See adv. index, end of book)

Bushings (Outlet & Locknuts)

Allen & Seavey, Pawtucket, R. I.
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Appleton Elec. Co., 224 Washington, Chicago, Ill.
Belcher & Loomis Hdw. Co. ("Boss"), Providence, R. I.
Bonnell, W. A., 132 Church, New York.
Bossert Elec. Construction Co. ("Monitor," "Ericsson"), Utica, N. Y.
Buchanan, J. F. & Co., 36 N 4th, Phila., Pa.
Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.
Fairmount Elec. Mfg. Co. ("Bendhicks"), 714 N 24th, Phila., Pa.
Federal Electric Co., 124 W Lake, Chicago, Ill.
Fox Mfg. Co., Milwaukee, Wis.
Gillette-Vibber Co., New London, Conn.
Grabler Mfg. Co., Cleveland, O.
Gwilliam Supply Co., 1339 Ridge av, Phila., Pa.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Krants, H. Mfg. Co., 160 7th, Brooklyn, N. Y.
Leveridge, Chas. W. ("L. & L."), 183 Greenwich, New York
Pass & Seymour, Solvay, N. Y.
Smith Mfg. Co., 1061 Cambria, Phila., Pa.
Sprague Elec. Co., 539 W 34th, New York.
Steel City Elec. Co. ("Fullman," "Star," "Flexbox"), Pittsburg, Pa.
Thomas & Betts Co., 299 B'way, New York
Troy Electrical Co. ("Teco"), Troy, N. Y.

*Bushings (Pipe)

LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Bushings (Porcelain)

(See also Porcelain Specialties, Electrical, Mechanical, Etc.)

Electric Porcelain & Mfg. Co., Trenton, N. J.
Federal Electric Co. (Clamp), Lake & Desplaines, Chicago, Ill.
Pass & Seymour, Solvay, N. Y.
Pittsburg High Voltage Insulator Co., Derry, Pa.
Thomas, R. & Sons Co., East Liverpool, O.

Bushings (Rawhide)

(See Gears, Rawhide)

Bushings (Roller Bearing)

Duplex Roller & Bushing Co., Belfast, Me.
Hyatt Roller Bearing Co., Harrison, N. J.
Jackson, J. S. & Son, Bath, Me.
Torrey Roller Bushing Works, Bath, Me.

Bushings (Rubber)

(See Rubber Manufacturers, Mechanical)

Bushings (Socket)

Auburn Button Works, Auburn, N. Y.
Dickenson Mfg. Co., Springfield, Mass.
Federal Electric Co., 124 W Lake, Chicago, Ill.
Hubbel, Harvey, Bridgeport, Conn.
Johns, H. W.-Manville Co. ("Electrobestos"), 100 William, New York
Keough Electric Co., Boston, Mass.
Marshall Electric Mfg. Co., Boston, Mass.
Scranton Button Co. (Electroid, Socket & Plain), Scranton, Pa.
Scranton Button Co. (Socket & Plain), Scranton, Pa.
Siemon Hard Rubber Corporation, Bridgeport, Conn.
Stewart, Frank H. Electric Co., 35 N 7th, Phila., Pa.
Swan Electric Co., Boston, Mass.

Bushings (Trolley Wheel)

Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Eureka Tempered Copper Works, North East, Pa.
Graphite Lubricating Co., Boundbrook, N. J.
Ives, H. B. Co. ("New Haven"), New Haven, Conn.
NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
Torrey Roller Bushing Works, Bath, Me.
United Copper Foundry Co. (Graphite), Boston, Mass.

Butchers' Machinery & Supplies

(See Machinery)

Butter Workers

(See Dairy Apparatus & Supplies)

Button Mfrs.

Davenport Pearl Button Co. (Pearl, etc.), Davenport, Ia.
Havell Mfg. Co. (Steel & Fancy), Newark, N. J.
Illinois Button Co., Quincy, Ill.
Lane Mfg. Co. (Metal), Waterbury, Conn.
Morgan & Wright, Inc. (Rubber, "M. & W."), Detroit, Mich.
Ontario Button Co. (Pearl, etc.), Utica, N. Y.
Patent Button Co., Waterbury, Conn.
Platt Bros. Co. (Metal), Waterbury, Conn.
Scovill Mfg. Co. (Military, Livery, Railroad, Silk & Dress, etc.), Waterbury, Conn.
Smith, E. F., & Son, Union City, Conn.
Steel & Johnson Mfg. Co. (Metal), Waterbury, Conn.
Tri-City Button Co., Davenport, Ia.
Valley Button Co., Quincy, Ill.
Waterbury Button Co., (Military & Metal, Pearl, Ivory, Silk and Fancy Metal, etc.) Waterbury, Conn.
White, L. C. Co. (Metal, etc.), Waterbury, Conn.

Buttoners (Glove & Shoe)

Cassady-Fairbank Mfg. Co., 6106 Lasalle, Chicago, Ill.
Havell Mfg. Co. (Glove), Newark, N. J.
Ross, Jos., Jr., & Co. (Glove), Newark, N. J.

Buttons (Shoe)

German-American Button Co., Rochester, N. Y.
Hedge-Lewis Mfg. Co., New Bedford, Mass.
Rhodes, M. M. & Sons Co., Taunton, Mass.
Whitehead & Hoag Co., Newark, N. J.

Butts (Brass)

(See Hinges, Butt)

By-Product Plants (Designers & Erectors)

United Machinery & Engineering Co., Commonwealth bldg, Phila., Pa.

Cabinet Work for Buildings

(See Interior Hardwood Work)

Cabinet Work (Metallic)

(See Bank & Office Fixtures, Metallic)

Cabinets (Blue Print)

Lyon Metallic Mfg. Co. (Metal), Aurora, Ill.
Terrell's Equipment Co. (Metal), Grand Rapids, Mich.

Cabinets (Catalogue)

Leonard Mfg. Co., Grand Rapids, Mich.

Cabinets (Clothing)

Builders Supply Co. ("Ideal"), Joliet, Ill.
Grand Rapids Show Case Co. (Sectional), Grand Rapids, Mich.
Heinmann-Miller Mfg. Co. ("Missing Link"), 1404 Washington av, St. Louis, Mo.

Cabinets (Electrotype)

Hamilton Mfg. Co., Two Rivers, Wis.
Leonard Mfg. Co., Grand Rapids, Mich.
Tubbs Mfg. Co., Ludington, Mich.

Cabinets (Ice Cream)

Bishop & Babcock Co., 49th & Hamilton av., Cleveland, O.

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Cabinets (Oil)

BOWSER, S. F. & CO. (Inc.) (Roll Top), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Franklin Filter Co. ("Franklin"), 308 N Commercial, St. Louis, Mo.
Perfection Oil Tank Co., Syracuse, N. Y. Ind.
New York Oil Cabinet Co. ("Wiley"), 180 Cherry, New York
Wadsworth, C. J., 5806 Euclid av, Cleveland, Ohio
Welch Folding Bed Co. (Sectional), Grand Rapids, Mich.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO., 2339 Lake, Chicago, Ill. (See adv. index, end of book)

Cabinets (Panel Board, Metal)

Bonnell, W. A., 132 Church, New York
Burns, James F., 47 N Hutchinson Phila., Pa.
Cleveland Switchboard Co., Cleveland, O.
Columbia Metal Box Co., 79 E 130th, New York
Connecticut Electric Mfg. Co., Bantam, Conn.
Cronse-Hinds Co. (Also Wood), Syracuse, N. Y.
Cuthbert Electrical Mfg. Co., 107 S Clinton, Chicago, Ill.
Electrical Mfg. Co., 1363 W 2d, N W, Cleveland, O.
Hinsdill Electric Company, Troy, N. Y.
Krantz, H. Mfg. Co., 160 7th, Brooklyn, N. Y.
Metropolitan Switchboard Co., 532 W 22d, New York
Mutual Electric Mfg. Company, Wheeling, W. Va.
Paiste, H. T. ("Le Manquais"), 32d & Arch, Phila., Pa.
Pike [illegible]tric Co. ("Builtrite"), Minneapolis, Minn.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co., 37 Parkman, Br., Boston, Mass.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Wesco Supply Co., St. Louis, Mo.
Wurdack, Wm. Electric Mfg. Co., 19 S 11th, St. Louis, Mo.

Cabinets (Syrup)

Bishop & Babcock Co., Cleveland, O.

Cabinets (Toilet Paper)

A. P. W. Paper Co. ("The Onliwon"), Albany, N. Y.

Cabinets & Filing Cases (Metallic)

(See Filing Cabinets & Devices, with the words Metallic or Steel)

Cable (Ignition)

Boston Insulated Wire & Cable Co., 182 Freeport, Boston, Mass.
Champion, Albert Co., 541 Tremont, Boston, Mass.
Goodson Electric Ignition Co. (Insulated Wire), 94 Point, Providence, R. I.
Herz & Co., 203 Lafayette, New York
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind
Mosler, A. R. & Co., Inc., 163 W 29th, New York
Packard Electric Co., Warren, O.
Post & Lester Co., Hartford, Conn.
Rubay Auto Ignition & Supply Co., 229 W. 54th, New York
Shain, Chas. D., 70 Murray, New York
Splitdorf, C. F. ("Splitdorf"), 261 Walton av, New York

Cable Railways

(See Wire Rope Tramways)

Cables (Rubber Covered)

(See Wire, Rubber Covered)

Cables (Submarine & Lead Encased)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Atlantic Insulated Wire & Cable Co., 120 Liberty, New York
Bay State Insulated Wire & Cable Co., Hyde Park, Mass
Bishop Gutta Percha Co., 422 E 25th, New York
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Habirshaw Wire Co., 253 B'way, New York
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Indiana Rubber & Insulated Wire Co. ("Paranite"), Jonesboro, Ind.
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
Moore, Alfred F., 200 N 3d, Phila., Pa.
National Conduit & Cable Co., 41 Park row, New York
National India Rubber Co., Bristol, R. I.
New York Insulated Wire Co., 114 Liberty, New York

Cables (Suspension Bridge)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill (See adv. index & branch offices, end of book)
Roebling's, John A. Sons Co. of N. Y., 117 Liberty, New York
TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)

*Cables (Underground)

KERITE INSULATED WIRE & CABLE Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)

Cables (Weatherproof)

(See Wire, Weatherproof)

Cableways (Sewer & Trench Excavating)

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
FLORY, S. MFG. CO., Bangor, Pa. (See adv. index, end of book)
New York Cable & Engineering Co., 1 Rector, New York

Cableways (Wire Rope)

(See Wire Rope Tramways)

Cadgers (Mining)

Gem Mfg. Co. ("Gem" Steel, for Miners' Oil Reserve Supply), Pittsburg, Pa.

*Cadmium

LEAVITT, C. W., & CO., 30 Church, New York. (See adv index, end of book)

Cages (Mine)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bartlett, A. F. & Co., Saginaw, Mich.
CENTRAL IRON WORKS (Self-Dumping Coal), Quincy, Ill. (See adv. index, end of book)
Chalmers & Williams, Commercial Nat'l Bk. Bldg., Chicago, Ill.
Connellsville Machine & Car Co., Connellsville, Pa.
Danville Fdry. & Mach. Co. (Self-Dumping & Ordinary), Danville, Ill.
Davis, F. M. Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Duncan Foundry & Machine Works (Self-Dumping), Alton, Ill.
Eagle Iron Works ("Olsen's" Self-Dumping), Des Moines, Ia.
Ellison, Wm. & Sons Mfg. Co., 1020 N 6th, St. Louis, Mo.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy, Joshua Iron Works, San Francisco, Cal.
JEFFREY MFG. CO. (Drop Rail), Columbus, Ohio. (See adv. index & branch offices, end of book)
Lake Shore Engine Works, Marquette, Mich.
Leyner, J. Geo., Engineering Works Co., Littleton, Col.
Litchfield Fdry. & Machine Co. (self-dumping & ordinary), Litchfield, Ill.
Lucas, A. & Sons (Self-Dumping), Peoria, Ill.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Marine Iron Co., Bay City, Mich.
Millholland, J. & J. B. Co., Pittsburg, Pa.
Mine & Smelter Supply Co., Denver, Colo.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
Nelsonville Foundry & Machine Co., Nelsonville, O.
Niles Mine & Mill Supply Co., Cleveland, O., & Niles, O.
Ottumwa Iron Works, Ottumwa, Iowa.
Prox, Frank Co., Terre Haute, Ind.
Scottdale Foundry & Machine Co., Scottdale, Pa. ("Robinson" Automatic)
Stine, S. B. (Automatic), Osceola Mills, Pa.
Traylor Engineering Co., Allentown, Pa.
Union Iron Works Co., San Francisco, Cal.
Union Iron Works (Inc.), Spokane, Wash.
Wellman-Seaver-Morgan Co., Cleveland, O.

Caisson Foundations

(See also Bridge Foundations)

Chicago Dock & Canal Co., 34 Clark, Chicago, Ill.
Clark & Co., 100 B'way, New York
Cranford Paving Co., Home Life bldg., Washington, D. C.
Cullen-Friestedt Co., Tribune bldg., Chicago, Ill.
Foundation Co. (Engineers & Contractors, Pneumatic, etc.), 115 B'way, New York
Gahagan, Walter H., 189 Montague, Brooklyn, N. Y.
Great Lakes Dredge & Dock Co., 138 Washington, Chicago, Ill.
Houston, C. B. & Co., 713 Girard bldg, Philadelphia, Pa.
McMullen, Arthur & Co., 13 Park row, New York
Missouri Valley Bridge & Iron Works (A. J. Tullock, Prop.), Leavenworth, Kan.
O'Rourke Engineering Construction Co., 345 5th av, New York
Simplex Foundation Co., North American bldg., Philadelphia, Pa.
Stebbings, W. L., Monadnock blk, Chicago, Ill.
Steers, Henry, 17 Battery pl., New York
Sutter, Jno. H., 108 La Salle, Chicago, Ill.
United Engineering & Cont. Co., 32 E 33d, New York

Caissons (Cast Iron)

Builders' Iron Foundry, Providence, R. I.

Caissons (Sheet Steel)

Aurora Boiler Wks. (Inc.), Aurora, Ill.
Coatesville Boiler Works (Steel), Coatesville, Pa.
East Jersey Pipe Co., Paterson, N. J., & 90 West, New York
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Pollock, Wm. B. Co., Youngstown, O.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co. (Steel), 56 Water, Pittsburg, Pa., & 111 B'way, New York

*Caissons (Wood)

BALTIMORE COOPERAGE CO., c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

Calcium Carbide

Kalbfleisch, Franklin H. Co., B'way & 16th, New York
Rhodes, James H., & Co., 117 Kenzie, Chicago, Ill.
Union Carbide Co., 79 Wall, New York; Works: Niagara Falls, N. Y., & Sault Sainte Marie, Mich.

Calcium Chloride

(See Chloride of Calcium)

Calculagraphs

Calculagraph Co., 9 Maiden la, New York

Calendering Machines

(See Machinery)

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Calipers

(See also Gauges, Caliper; also Rules, Caliper; also Squares, Caliper; also Micrometers; also Sphere meters)

Athol Machine Co., Athol, Mass.
Belcher Bros. & Co., Irvington, N. J., & 62 Reade, New York
Billings & Spencer Co., Hartford, Conn.
Brown & Sharpe Mfg. Co., Promenade nr Park, Providence, R. I.
Chapin-Stephens Co., Pine Meadow, Conn.
Eagan, Thos. F., Worcester, Mass.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), (Registering, Double, Navy, etc.), Newark, N. J.
Kraeuter & Co. (Register, Outside, Navy, etc.), 577 18th av, Newark, N. J.
Massachusetts Tool Co. (Firm Joint), Greenfield, Mass.
New England Specialty Co., N. Easton, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.,
Pratt & Whitney Co., Hartford, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Slocomb, J. T. Co., Providence, R. I.
Smith, E. G. Co. ("Columbia"), Columbia, Pa.
Smith, H. B. Machine Co. (Chisel, for Hand Turning), Smithville, N. J.
STARRETT, L. S. CO. ("Fay"), Athol, Mass. (See adv. index & branch offices, end of book)
Welles, Fred A. (Adjustable, etc.), 419 Sycamore, Milwaukee, Wis.

Calipers (Beam)

Athol Machine Co., Athol, Mass.
Billings & Spencer Co., Hartford, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Smith, E. G. (Graduated), Columbia, Pa.

Calipers (Gear Tooth)

Brown & Sharpe Mfg. Co., Providence, R. I.

Calipers (Log)

Humphrey Machine Co. (Decimal), Keene, N. H.
Keuffel & Esser Co., 127 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.

Calipers (Micrometer)

(See Micrometers)

Calipers (Spring)

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
STARRETT, L. S. CO. ("Fay"), Athol, Mass. (See adv. index & branch offices, end of book)

Calipers (Vernier)

Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Smith, E. G. Co. ("The Columbia" Metric), Columbia Pa.

Calipers (Winged)

HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), (Inside & Outside), Newark, N. J.

Calorimeters

CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Kimer & Amend, 205 3d av, New York
Ellison, Lewis M. ("Ellison" Throttling-Evaporating), 6238 Princeton av, Chicago, Ill.
Sargent Steam Meter Co. ("Sargent" Gas), 303 Dearborn, Chicago, Ill.
Schaeffer & Budenberg Mfg. Co. ("Carpenters" Throttling, Separating & Coal), 963 Kent av., Brooklyn, N. Y.
Standard Calorimeter Co, ("Parr Standard"), East Moline, Ill.

Cambolts

General Specialty Co. ("B. & S."), 14 S 4th, Philadelphia, Pa.

*Camp Cooking Outfits & Stoves

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Camp Stools & Chairs

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Gold Metal Camp Furniture Mfg. Co., Racine, Wis.
STANLEY WORKS ("Stanley" Folding Camp Stool), New Britain, Conn. (See adv. index & branch offices, end of book)

Cams

Chalmers & Williams ("New Blanton"), Commercial Nat'l Bk. Bldg., Chicago, Ill.
Chester Steel Castings Co., Chester, Pa.
Chrome Steel Works (Canada Chrome Steel, Self-Locking), Chrome, N. J.
Denver Engineering Works Co. (Cam Shafts for Stamp Mills), Denver, Colo.
National Steel Casting Co., Montpelier, Ind.
Power & Mining Machinery Co., Cudahy, Wis.
Union Drop Forge Co. (Drop Forged), Chicago, Ill.

Can Openers

American Cutlery Co. ("The Only"), 193 Mather, Chicago, Ill.
Arcade Mfg. Co. (Steel Blade, Wood Handle), Freeport, Ill.
Bridgeport Hardware Mfg. Co., 461 Iranstan av, Bridgeport, Conn.
Browne, W. G., Mfg. Co. ("None-Such," "I. X. L.," "Shear Cut Clipper," etc.), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("Never-Slip," "XXX," "Diamond," "Crescent," "Sprague," "King" & "Star," with Cork-screw), Meriden, Conn.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Dover Stamping & Mfg. Co ("Never Slip Monarch"), Cambridge, Mass.
Ellis Mfg. Co. ("Ever Ready," with Cork Screw & "Little Giant"), Milldale, Conn.
Forbes Chocolate Co. ("Vim"), Cleveland, O.
Hamblin & Russell Mfg. Co. ("Ideal"), Worcester, Mass.
Household Necessities Mfg. Co. ("Atlas"), Phila., Pa.
Kraeuter & Co., Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Lasher Mfg. Co. ("O. K." Adjustable), Davenport, Ia.
Meisselbach, A. F. & Bro. ("Columbia"), Newark, N. J.
New England Specialty Co. ("Leavitt's Common Sense," "National," "American"), North Easton, Mass.
Osborne, C. S. & Co. (Inc.), Newark, N. J.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Read, A. P. Co. ("Read's"), 18 W Randolph, Chicago, Ill.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Smith, J. Barton Co., Norris & Hope, Phila., Pa.
Sterling Hardware Co. ("Sterling"), 10 Warren, New York
Taylor Mfg. Co. ("Yankee," "Nifty" & "Little Gem" Can & Bottle Opener), Hartford, Conn.
White, Ira F., & Son Co. ("Sure Cut"), Newark, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

Candles (Electric)

Dow Portable Electric Co., Braintree, Mass.
Electric Contract Co., 175 Grand, New York
Tardie, Emile, J., 240 6th av, New York

Candles (Mining)

Goodwin Mfg. Co., St. Louis, Mo.
Great Western Oil Co., 2855 E. 37th S. E., Cleveland, Ohio
Schneider, E. & Co., 277 Dearborn, Chicago,
Will & Baumer Co., Syracuse, N. Y. Ill.

Candles (Plumbers')

Emery Candle Co., Cincinnati, O.
Gross, A. & Co., 90 West, New York
Knapp Mfg. Co., 20 Warren, New York
Schneider, E. & Co., 17 Wabash av, Chicago, Ill.
Standard Oil Co. ("Which Will Tin"), 555 W. 25th, New York
Will & Baumer Co., Syracuse, N. Y.

Candlesticks (Colonial)

American Ring Co. (Brass), Waterbury, Conn.
Buffalo Mfg. Co., Buffalo, N. Y.
Elm City Brass & Rivet Co., Plainville, Conn.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E. 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Janusch Mfg. Co., 496 E 134th, New York
Rostand Mfg. Co., Milford, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Union Equipment & Bronze Co., 1901 Park av., New York

Cannon (Yacht)

American & British Mfg. Co., Providence, R. I.
Barney & Berry, Springfield, Mass.
Naval Electric Co. ("B. & H."), 95 Liberty, New York
Snow & Petrelli Mfg. Co., 698 Chapel, New Haven, Conn.

Canopies

(See Marquees)

Canopies (Lawn or Umbrella Tents)

Troy Carriage Sun Shade Co. ("Trojan"), Troy, O.

Cans (Ash & Garbage)

American Can Co., 447 W 14th, New York
Arrow Can Co. ("Arrow," Pressed Steel), 35 Warren, New York
Atlantic Stamping Co. ("Atlantic"), Rochester, N. Y.
Brooklyn Ash Can Co., 2196 Fulton, Brooklyn, N. Y.
Central Stamping Co. ("Giant," "Monitor," "Central"), 174 Fulton, New York
Dairymen's Mfg. Co., Jersey City, N. J.
Dover Stamping & Mfg. Co. ("Dover" Galvanized Steel, also with Safety Coal Sieve), Cambridge, Mass.
Durlach, I. (Indestructible), 54 Vesey, New York
EDWARDS MFG. CO. ("Queen" Corrugated), 545-565 Eggleston av, Cincinnati, Ohio. (See adv. index, end of book)
Ely & Williams Co. (Engines), 257 B'way, N. Y.
Geuder, Paeschke & Frey Co. ("Cream City"), Milwaukee, Wis.
Guarantee Ash Can Co., 301 E 102d, New York
Honhorst, Joseph Co., Cincinnati, Ohio.
Ironclad Mfg. Co. (Galvanized), 204 Varet, Brooklyn, N. Y.
Justrite Co. ("Justrite"), 218 Lake, Chicago, Ill.
Keighley, S. Metal Ceiling & Mfg. Co. 824 Locust, Pittsburg, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
New England Enameling Co., Middletown, Conn.
North Star Ash Can Co. (Engineers' Steel), 167 Chrystie, New York
Ohio Galvanizing Mfg. Co. (Heavy), Niles, O.
Rochester Ash Can Co., Rochester, N. Y.
Star Enameling & Stamping Co. (Galvanized), Pittsburg, Pa.
Terrace City Mfg. Co. ("I.X.L."), Hoboken, N.J.
Wallace, Jno. W. Co. (With or Without Wood Slats), 44 E 23d, New York
Wotherspoon, Jas. R., 238 N Front, Philadelphia, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
Witt Cornice Co. ("Witt's"), Cincinnati, O.

Cans (Automobile Oil)

Dover Stamping & Mfg. Co. (Dover" Cylinder Oil), Cambridge, Mass.

Cans (Gasoline)

Atlantic Stamping Co. ("Atlantic," 1 to 5 gallon, Spout Faucet, etc.), Rochester, N. Y.
Delphos Mfg. Co. ("Legal"), Delphos, O.
Dover Stamping & Mfg. Co. ("Dover"), Cambridge, Mass.

Cans (Glass, Oil)

Ohio Lantern Co. ("Baron" Wire Cushioned), Tiffin, O.

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Cans (Ice)

(See Ice Cans for Artificial Ice)

Cans (Ice Cream)

Buhl Stamping Co., Detroit, Mich.
Crandall & Godley Co. (& Machinery), 157 Franklin, New York
Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Stuart & Peterson Co. (Porcelain Lined), Burlington, N. J.
Wallace, Jno. W. Co. ("Wallace" Seamless, etc.), 44 E 23d, New York
White Mountain Freezer Co., Nashua, N. H.

*Cans (Jacket)

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Cans (Milk)

Buhl Stamping Co., Detroit, Mich.
Clark, W. J. Co., Salem, O.
Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Dover Stamping & Mfg. Co., Cambridge, Mass
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Oakes & Burger ("Empire State" & "Union"). Cattaraugus, N. Y.
Republic Metalware Co., Buffalo, N. Y., & 21 Cliff, New York
Sturges & Burn Mfg. Co., 249 S Green, Chicago, Ill.

Cans (Miners' Oil)

Gem Mfg. Co., Pittsburg, Pa.
Hardsocg, Martin Co., Allegheny, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Cans (Oil)

Adams & Westlake Co., Ontario c N Franklin, Chicago, Ill.
American Auto Brass Co., Columbus, O.
American Can Co., 447 W 14th, New York
American Tube & Stamping Co., Bridgeport, Conn.
Atlantic Stamping Co. ("Atlantic," 1 to 5 gallons, Spout Faucet, etc., for Kerosene & Gasoline), Rochester, N. Y.
Beman Automatic Oil Can Co., Meadville, Pa.
Bloomer, R. E., Keithsburg, Ill.
Brown Stamping Co., Toledo, O.
Bumann Mfg. Co., Litchfield, Ill.
Canners Can Co., Chicago, Ill.
Central Stamping Co., 174 Fulton, New York
Chapman & Brooks ("Special"), Springfield, Mass.
Conneaut Can Co. ("Red Hoop"), Conneaut, O.
Consolidated Fruit Jar Co., New Brunswick, N. J., & 290 B'way, New York
Delphos Mfg. Co. ("Never Leak," Spout or Faucet, etc.), Delphos, O.
Deverall Perfection Mfg. Co. ("Deverall"), Coney Island av & Johnson pl, Brooklyn, N. Y.
Dover Stamping & Mfg. Co ("Acme," Family & "Dover," Auto, etc.), Cambridge, Mass.
Dressel Railway Lamp Works (Steel for Engineers, etc.), 3860 Park av, New York
Eastern Can Co. ("Household"), Providence, R. I.
Eller Mfg. Co., Canton, O.
Gem Mfg. Co. ("Gem" Heavy Brazed Steel Oil Carriers), Pittsburg, Pa.
Geuder, Paeschke & Frey Co. ("Cream City," Anti-Leak, Galvanized), Milwaukee, Wis.
Gray, Peter & Sons (For Railroad use, etc.), 88 Union, Boston, Mass.
Hall Mfg. Co., 62 Cliff, New York
Handlan-Buck Mfg. Co. (Railway, etc.), St. Louis, Mo.
Harps, J. A. Mfg. Co. ("Never Fail," for Oil or Gasoline, for Household Use), Greenfield, O.
Hunt & Dorman Mfg. Co., Cleveland, O.
Impervious Package Co. (Wood), Keene, N. H.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Jackson, J. W. Sharpville, Pa.
Keichler Mfg. Co., Cincinnati, O.
Knapp Mfg. Co. (Oil Carriers), 20 Warren, New York
Lyon Metallic Mfg. Co., Aurora, Ill.
McClintock & Irvine Co., Pittsburg, Pa.
Manhattan Brass Co., 332 E 28th, New York
Manufacturers Can Co., Newark, N. J.
Many-Use Oil Co. (Reversible Spout), 113 Chambers, New York
Mark Mfg. Co., Evanston, Ill.
Maple City Mfg. Co. ("Standard," for Gasolene & Kerosene, also "Howland" Pump), Monmouth, Ill.
Michigan Lubricator Co., Detroit, Mich.
Meisselbach, A. R. & Bro. ("One Drop"), Newark, N. J.
Morgan & Cornell, 211 Duane, New York
National Enameling & Stamping Co., 374 B'way, New York
Noera Mfg. Co. ("Noers"), Waterbury, Conn.
Ohio Lantern Co. ("Ohio" Wire Cushioned), Tiffin, O.
Republic Metalware Co., Buffalo, N. Y.
Rockford Brass Works, Rockford, Ill.
Standard Tin Ware & Mfg. Co., Toledo, O.
Star Enameling & Stamping Co. (Galvanized), Pittsburg, Pa.
Tongue, R. E. & Bros., Allegheny av. & Amber, Phila., Pa.
Troy Stamping Works, Troy, N. Y.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wall, P., Mfg. Supply Co., Allegheny, Pa.
Wallace, Jno. W. Co. (Storing Oil Cans), 44 E 23d, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
Winfield Mfg. Co., Warren, O.

Cans (Packers', Etc.)

American Can Co., 447 W 14th, New York
La Crosse Can Co. (Lithographed & Plain Lard, etc.), La Crosse, Wis.
Continental Can Co., Syracuse, N. Y.
Sanitary Can Co. (Enamel Lined, Plain, Etc.), Fairport, N. Y.
Virginia Can Co. (Lock Seam), Buchanan, Va.
Wheeling Can Co., Wheeling, W. Va.

Cans (Paint & Varnish)

American Tube & Stamping Co., Bridgeport.
Akron Mfg. Co. ("Ideal"), Akron, O.
Dunlap, Jno. Co., Pittsburg, Pa.
Export & Domestic Can Co., 608 W 42d, New York
Louisville Varnish Co., Louisville, Ky.
New Can Co., Boston, Mass.
Southern Can Co. (Enamel Lined, Plain, etc.), Baltimore, Md.
Southern Can Co., Baltimore, Md.
Wallman Mfg. Co., Milwaukee, Wis.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Cans (Roving)

AMERICAN VULCANIZED FIBRE CO., ("Laminar," Fibre & "Sullivan" Seamless Manila Fibre), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Hard Fibre) Elsmere Del. (See adv. index, end of book)

Cans (Self-Sealing)

Akron Mfg. Co. ("Ideal"), Akron, O.

Cans (Street Cleaning)

Ohio Galvanizing & Mfg. Co. (Sheet Steel), Niles, O

Cans (Tin)

(See also Cans, Various Kinds, in Index of Contents)

American Can Co., 447 W 14th, New York
American Key Can Co., Marquette bldg, Chicago, Ill
American Stopper Co., 2 Verona, Brooklyn, N. Y
American Tube & Stamping Co., Bridgeport
Atlantic Can Co., Baltimore, Md.
Ayars, B. S. & Sons Co., Bridgeton, N. J.
Bray & Kates, Arlington Heights, Ill.
Brown Stamping Co., Toledo, O.
Buhl Sons Co., 103 Woodbridge W, Detroit
Canister Mfg. Co., Easton, Pa.
Canners Can Co., Chicago, Ill.
Central Stamping Co., 174 Fulton, New York
Chapin, R. E. Mfg. Works, Batavia, N. Y.
Clark, J. L. Mfg. Co., Rockford, Ill.
Colonial Can Co., Boston, Mass.
Columbia Specialty Co., 1506 E Fayette, Baltimore, Md.
Columbia Stamping & Specialty Co., 247 Van Brunt, Brooklyn, N. Y.
Conneaut Can Co. ("Red Hoop"), Conneaut, O.
Consumers' Can Co. (Packers' Lock Seam), Baltimore, Md.
Continental Can Co. (Fruit & Vegetable), Syracuse, N. Y.
Cream City Can Works, Milwaukee, Wis.
Dunlap, Jno. Co., Pittsburg, Pa.
Excelsior Can Works, 154 Malden la, New York
Export, Domestic Can Co., 616 W 43d, New York
Fait, Wm. Co., 751 Dolphin, Baltimore, Md.
Grecht, Wm. & Co., 1316 S Sharpe, Baltimore, Md.
Gulf Mfg. Co., New Orleans, La.
Hartlove Can Co., Baltimore, Md.
Heekin Can Co., 3d & Lock, Cincinnati, O.
Hill, Jas. Mfg. Co., Providence, R. I.
Impervious Package Co., Keene, N. H.
Keichler Mfg. Co., Cincinnati, O.
La Crosse Can Co. (Lard, Coffee, Honey, etc., Plain and Lithographed), La Crosse, Wis.
Lecomte & Co., 174 7th, Brooklyn, N. Y.
Louisville Varnish Co., Louisville, Ky.
McGinnis, Jos. Co., Baltimore, Md.
Manufacturers Can Co., 434 Mulberry, Newark, N. J.
Messenger, H. B., Federalburg, Md.
Morgan & Cornell, 211 Duane, New York
National Can Co., Baltimore, Md.
National Can Co., Detroit, Mich.
Neal, W. H., & Sons Co., Hurlock, Md.
New Can Co., 326 A, Boston, Mass.
New Glenwood Canning Co., Glenwood, Iowa
Oaks & Burger, Cattarangus, N. Y.
Old Dominion Can Co. (Fruit & Vegetable), Troutville, Va.
Old Town Can Co., Baltimore, Md.
Phelps, Walter J., Baltimore, Md.
Platt Can Co., Baltimore, Md.
Republic Metalware Co., Buffalo, N. Y.
Roseland Can & Specialty Co., Rockford, Ill.
Sanitary Can Co. (Tomato, for Whole Tomatoes, etc.), Fairport, N. Y.
Schlueter Mfg. Co., 4626 N B'way, St. Louis, Mo.
Southern Can Co. (Fruit, Syrups, etc.), Baltimore, Md.
Steward, L. & J. A., Rutland, Vt.
Summers, Chas. G. & Co., 415 W Camden, Baltimore, Md.
Trench, D. G. & Co., 42 River, Chicago, Ill.
Tyler Can Co., Baltimore, Md.
United Can Co., 19th & Harrison, San Francisco, Cal.
Wabash Baking Powder Co., Wabash, Ind.
Wallman Mfg. Co., Milwaukee, Wis.
Wheeling Can Co. (Fruit & Vegetable, etc.), Wheeling, W. Va.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
Wilson, McClelland & Co., Kings Mills, O.
Wright, R. G. & Co., 52 Terrace, Buffalo, N. Y.

Cans (Waste)

Akron Mfg. Co., Akron, O.
Atlantic Stamping Co. ("Atlantic," Galvanized Iron), Rochester, N. Y.
Beman Automatic Oil Can Co., Meadville, Pa.
Central Stamping Co., 174 Fulton, New York
Clark, W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Sheet Metal), Cleveland, O.
Consolid'd Fruit Jar Co., New Brunswick, N. J.
Delphos Mfg. Co. (Self-Closing Oily), Delphos, O.
Dover Stamping & Mfg. Co. (Oily Rag & Waste Can), Cambridge, Mass.
Dressel Railway Lamp Works (Cans & Pails), 3860 Park av, New York
Durlach, I., 54 Vesey, New York
Ely & Williams Co. (Factory Waste & Rubbish), 257 B'way, New York
Geuder, Paeschke & Frey Co. (Galvanized Iron), Milwaukee, Wis.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Justrite Co. ("Justrite"), 218 Lake, Chicago, Illinois
Lyon Metallic Mfg. Co., Aurora, Ill.
McClintock & Irvine Co. (Steel Brazed), Pittsburg, Pa.
Manufacturers' Can Co., Newark, N. J.
Ohio Mfg. Co. (Oily), Painesville, O.
Standard Tin Ware & Mfg. Co., Toledo, O.
Wall, P., Mfg. Supply Co., Allegheny, Pa.
Wallace, Jno. W. Co. ("Wallace" Self-Closing Covers), 44 E 23d, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Cant-Dogs

Bangor Edge-Tool Co. ("Peavy"), Bangor, Me.

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Cant Flippers (Steam)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Union Furnace Mfg. Co., Union Furnace, Pa.

Canthooks

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atkins, E. C. & Co. (Inc.), Factories & Home Offices, Indianapolis, Ind.
Bangor Edge Tool Co. ("Peavy," with Dog Nose, etc.), Bangor, Me.
Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co. ("Champion," "Wolverine"), Evart, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke, C. H. Tool Co., Downers Grove, Ill.
Dupont & Anderson, St. Johnsbury, Vt.
Evart Tool Co. (Ltd.), Evart, Mich.
Gerlach, Peter Co., Columbus rd & Winter, Cleveland, O
Jackson Shovel & Tool Co. ("Acme"), Montpelier, Ind., & Market & Randolph, Chicago, Ill.
Keystone Drop Forge Co. (Drop Forged Steel), Chester, Pa.
Klein, Mathias & Son, 87 W. Van Buren, Chicago, Ill.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Prouty, C. & Co., Eldred, Pa.
Sanford, A. Logging Tool Co., Oshkosh, Wis.
Warren Axe & Tool Co., Warren, Pa.

Capitals (Carved Wood)

(See Carvers, Wood, Classic; also Columns, Porch, Etc.)

Capitals (Composition)

(See also Ornaments, Composition)
DECORATORS' SUPPLY CO. (Interior & Exterior), Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
Detroit Column & Mfg. Co., Detroit, Mich.
Emmel, Chas. & Rose Co. (Papier Mache Staff), 383 Albany, Boston, Mass.
Harnisch, Ad., Spencer nr Chlorine Springs, Syracuse, N. Y.
Hartmann, Malcom Co., 13 N Jefferson, Chi-
Spangler, Frank Co., Toledo, O. cago, Ill.

Capitals (Plaster)

(See Ornaments, Plastic)

Caps (Bottle)

Bernardin Bottle Cap Co. (Metal), Evansville, Ind.

*Caps (Bronze)

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E. 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. See adv. index, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York

Caps (Chimney)

EDWARDS MFG. CO. (Steel), 545- 565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
GLOBE VENTILATOR CO. ("Globe"), Troy, N. Y. (See adv. index, end of book)
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.
Pettingill Chimney Cap Co. (F. C. Nichols, Prop.) ("Pettingill"), Lowell, Mass.
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass.; Works: Asbestine, Va.
Sterling Foundry Co. ("Best" & "Cast Iron"), Sterling, Ill.

*Caps (Fuse)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Caps (Hitching Post)

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Munnsville Plow Co., Munnsville, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

Caps (Hub)

Globe Machine & Stamping Co. (Drawn Steel), Cleveland, O.
Hayward, S. F. & Co., 39 Park pl., New York
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Caps (Jelly & Tumbler)

Hazel Atlas Glass Co. (Stamped Metal), Wheeling, W. Va.
Ohio Lantern Co. (Tin), Tiffin, O.

Caps (Miners')

Hardsocg, Martin Co., Allegheny, Pa.
Lattimore Mfg. Co., St. Clair, Pa.
Luzerne Cap Co. ("Black Diamond"), Wilkes-Barre, Pa.

Caps (Pipe)

Belcher & Loomis Hardware Co. ("Boss"). Providence, R. I.
Fox Mfg. Co., Milwaukee, Wis.
Gillett-Vibber Co., New London, Conn.
LUNKENHEIMER CO. (Brass Pipe). Gen'l Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices end of book)
McRAE & ROBERTS CO. (Brass), 227 Campbell av., Detroit, Mich. (See adv. index, end of book)

Caps (Screw)

Columbia Specialty Co., Baltimore, Md.
Federal Mfg. Co. (Inc.) (Tin), Baltimore, Md
Illinois Screw Co., Chicago, Ill.
Vogel, Wm. & Bros., Brooklyn, N. Y.
Wirz, A. H., 913 Cherry, Phila., Pa.

*Caps (Uniform, Etc.)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)

Caps (Ventilating)

Wolverine Brass Works, Grand Rapids, Mich

Capstans

American Ship Windlass Co. (Also Electric). Providence, R. I.
Chase Machine Co. (Steam), Cleveland, O.
Dunbar Mfg. Co., Northville, Mich.
Edson Mfg. Co. (Steam Bar), Boston, Mass.
FLORY, S. MFG. CO. (Steam), Bangor, Pa. (See adv. index, end of book)
Hyde Windlass Co., Bath, Me.
Marine Iron Works, Clayborn & Southport avs. Chicago, Ill.
Reist, Jas. & Son, Pittsburg, Pa.
Ridson Iron & Locomotive Works, San Francisco, Cal.
Russell, Albert & Sons, Newburyport, Mass.
Whitcomb Bros., Barre, Vt.
Wilcox, Crittenden & Co. ("Victor"), Middletown, Conn
Woodstock Hardwood & Spool Mfg. Co. (Wooden), Charleston, S. C.

Capstans (Cable Pulling)

Hallett Iron Works, 90 W Polk, Chicago, Ill
Harvard Electric Co., 60 W Van Buren, Chicago, Ill

Car Builders

(See Cars of Various Kinds)

Car Builders' Earthenware

Bellmark Pottery Co., Trenton, N. J.

Car Bumping Posts

(See Posts, Car Bumping)

Car Ceilings

American Veneer Co., Kenilworth, N. J.
Frost's Veneer Seating Co., 206 Canal, New York
Indestructible Fibre Co. (Wood Fibre), 4: B'way, New Yor
New York Veneer Seating Co. (Veneered Seat & Chairs), Jersey City N
Wallace Supply Co., 28 S. Jefferson, Chicago, Ill.
Woodman, Joel H. (Veneer), Hoboken, N. J.

Car Cleansing Powders & Compounds

Aquart, A. D. (Varnish Renovator), Chemical bldg., St. Louis, Mo.
Ideal Car Cleaner Co., 228 N. 4th, Phila., Pa.
Imperial Car Cleaner Co., 218 McWhorter, Newark, N. J.
India Alkali Work (The Savogran), Boston, Mass.
Modoc Soap Co. ("Perfect"), 228 N 4th, Philadelphia, Pa.

Car Couplers

(See Couplers, Car)

Car Curtains & Materials

Boston Artificial Leather Co., Stamford, Conn., & 1 Madison av, New York
Boyle, Jno. & Co. (Cotton Duck & Curtain Stripe), 112 Duane, New York
Brill, J. G. Co., 63d & Woodlawn, Phila., Pa.
Curtain Supply Co., 87 Ohio, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Forsyth Bros., 31 Indiana, Chicago, Ill.
Garford Co., The, Elyria, O.
Hale & Kilburn Mfg. Co, 1315 Walnut, Philadelphia, Pa.
Lewis, Rob't Co., Richmond & Brill, Phila., Pa.
National Lock Washer Co. (Complete Curtains & Fixtures), 63 Johnson, Newark, N. J.
Pantasote Leather Co., 11 B'way, New York

Car Doors & Fittings

AMERICAN METAL DOOR CO. (Car Doors), Jamestown, N. Y. (See adv. index, end of book)
Burdett-Bowntree Mfg. Co. (Automatic Car Door), 85 W Jackson boul, Chicago, Ill., & & 147 W 26th, New York
Camel Co. (Security), Old Colony bldg, Chicago, Ill.
Chicago Grain Door Co., Monadnock bldk, Chicago, Ill.
DAHLSTROM METALLIC DOOR CO. (Car Doors), Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
Dayton Malleable Iron Co. (Fasteners). Dayton, O.
Edwards, O. M. Co. (Extension Platform Trap Doors), Syracuse, N. Y.
Kanaly, M. E. Co., Cambridgeport, Mass.
Kirby Equipment Co. (Grain), Railway Exch, Chicago, Ill.
McGuire-Cummings Mfg. Co. (Grain, Freight, etc.), 112 N Sangamon, Chicago, Ill.
Miller, W. A. Elevator Mfg. Co., 115 Pine, St. Louis, Mo.
National Mfg. & Supply Co., The, 168 Michigan av, Chicago, Ill.
Osterman Mfg. Co., (Freight "Osterman" Grain Door), 120th & Peoria, Chicago, Ill.
Pitt Car Gate Co. (Mfrs. Gibbs Vestibule Door Operating Devices, used in New York Subway), 186-188 W 24th, New York
Sheffield Car Co. (Grain, etc.), Three Rivers, Mich.
Smith Car Door Co., Monadnock blk, Chicago, Ill.
Standard Railway Equipment Co., Nat'l Bank of Commerce bldg, St. Louis, Mo.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Western Railway Equipment Co. (Western Flush), Missouri Trust bldg, St. Louis, Mo.

Car Dumpers

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
BROWN HOISTING MACHINERY CO., Cleveland, O., & 26 Cortlandt, New York (See adv. index, end of book)
Browning Engineering Co., Cleveland, O.
McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works: Warren, O.
Wellman-Seaver-Morgan Co., Cleveland, O.

Car Fenders & Wheel Guards

Automatic Fender Co., B'k. of Commerce Bldg., Minneapolis, Minn.
Baltimore Car-Wheel Co. "The Blakistone"), Baltimore, Md.

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Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Clark Automatic Car Fender Co. ("Clark's" Automatic Fender & Wheel Guard), Decatur, Ill.
Consolidated Car Fender Co. ("Providence," Fender & Wheel Guard), Providence, R. I.
Eclipse Railway Supply Co. ("Eclipse," Life Guard), Cleveland, O.
Electric Service Supplies Co. ("Philadelphia," Fender), 1020 Filbert, Phila., Pa.
McGuire-Cummings Mfg. Co. ("Royal Flush" Fender), 112 N Sangamon, Chicago, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Parmenter Fender & Wheel Guard Co. ("Parmenter," Fender & Wheel Guard), Boston, Mass.
Star Brass Works ("Champion"), Kalamazoo, Mich.
Sterling-Meaker Co., 420 Ogden, Newark, N. J.
Traction Railroad Equipment Co. ("Hipwood," "Acme"), 60 Wall, New York
Worcester Railroad Supply Co. ("Worcester" Double Acting Fender), Worcester, Mass.

Car Gates & Guards

Brill, J. G. Co., 62 & Woodland av., Phila., Pa.
Brownell Patents Co., 219 N 4th, St. Louis, Mo.
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
Hardware & Woodenware Mfg. Co. (Wood), 828 B'way, New York
Pitt Car Gate Co. (Mfrs. Pitt Car Gates used on B. R. T. Elevated & Surface Cars), 136-138 W. 24th, New York
Smith & Wallace ("The Sargent"), Woburn, Mass.
Union Equipment & Bronze Co., 1901 Park av., New York

Car Hauls

BARTLETT, C. O. & SNOW CO. ("Green" Self-Dumping), French st., Cleveland, O. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
JEFFREY MFG. CO. (Wire Cable or Chain) Columbus, O. (See adv. index & branch offices, end of book)
Nelson Foundry & Machine Co., Nelsonville, Ohio

Car Journal Coolers

Cook Car Journal Co., Flint, Mich.

Car Lighting Apparatus

Adams & Westlake Co., Ontario & N Franklin, Chicago, Ill.
BLISS ELECTRIC CAR LIGHTING Co., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Commercial Acetylene Co., 80 B'way, New York
Consolidated Car Heating Co. ("McElroy" Automatic Axle Lights), 42 B'way, New York Works: Albany, N. Y.
Consolidated Railway Electric Lighting & Equipment Co. (Automatic Electric Car Axle), 11 Pine, New York
Gold Car Heating & Lighting Co., 17 Battery Place, New York
Gould Storage Battery Co., 347 5th av, New York
Safety Car Heating & Lighting Co. ("Pintsch" Light), 2 Rector, New York
United States Light & Heating Co. ("Moskowitz"), 42 B'way, New York

Car Lighting Apparatus (Bliss System)

Bliss Electric Car Lighting Co., Milwaukee, Wis.

Car Link & Pin Machines

(See Machines, Car Link & Pin)

Car Movers or Pushers

(See also Bars, Pinch)

Advance Car Mover Co. ("Advance Never Slip," "Badger Never Slip"), Appleton, Wis.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Appleton Car Mover Co. ("Atlas"), Appleton, Wis.
Boston & Lockport Block Co. ("Giant"), 160 Commercial, Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Dodge Mfg. Co. ("Dodge," Safety Power Car Pullers), Mishawaka, Ind.
FAIRBANKS, MORSE & CO. ("Sampson"), Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Handlan-Buck Mfg. Co. ("Victor"), St. Louis, Mo.
HILL & GRIFFITH CO. ("Hercules"), Cincinnati, O. (See adv. index, end of book)
Hilts Wrench & Mfg. Co. ("Never-Slip"), Richford, N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jacobus, P. H. ("Kant Slip"), Millstadt, Ill.
Marseilles Mfg. Co. ("Samson," "Hercules," Power Car Pullers), Marseilles, Ill.
MINNEAPOLIS STEEL & MACHINEry Co. ("Champion"), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Mitskun M. Co. ("Giant"), Detroit, Mich.
Motley, Green & Co. (Inc.), 68 Broad, New York
Nordyke & Marmon Co. ("N. & M. Co.," Power Car Pullers), Indianapolis, Ind.
Oshkosh Logging Tool Co. ("Mogul"), Oshkosh, Wis.
Pearson Jack Co. ("The U. S."), Boston, Mass.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Rowell, G. D. & Son ("Samson" Car & Locomotive Movers), Appleton, Wis.
Stafford, E. H. Mfg. Co. ("Easy"), 248 Adams, Chicago, Ill.
Verona Tool Works (Car Pushers or Locomotive Pinch Bars), Verona, Pa., & Pittsburg, Pa.
WEBSTER MFG. CO. ("SHELDON" Compound Lever; also "Champion," Pinch Bar or Car Mover), 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index. & branch offices, end of book)
Zelnicker, Walter A. Supply Co. ("Zelnicker," Double Clutch Car Mover), St. Louis, Mo.

Car Platforms (Steel)

(See Platforms, Steel Car)

Car Plush

Aikman, C. M. & Co. (Mohair), 91 5th av, New York
Chase, L. C. & Co. ("Goat Brand" Mohair Plushes), 89 Franklin, Boston, Mass.
Goff, D. & Sons (Mohair), Pawtucket, R. I.
Sanford Mills, Sanford, Me.

Car Pullers

(See Pullers, Car)

Car Pushers

(See Car Movers or Pushers)

Car Replacers

(See Replacers, Car)

Car Seats, Chairs & Fittings

Adams & Westlake Co. (Seats & Chairs), Ontario & N Franklin, Chicago, Ill.
American Rattan & Reed Mfg. Co. (Rattan Seating), Kingsland & Norman avs, Brooklyn, N. Y.
American Seating Co., 90 Wabash av, Chicago, Ill.
Barney & Smith Car Co., Dayton, O.
Frost's Veneer Seating Co. (Veneered), 206 Canal, New York
Hale & Kilburn Mfg. Co. ("Walkover"), 18th & Lehigh av, Phila., Pa.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Heywood Bros. & Wakefield Co. (Seats, etc.), Gardner, Mass., & 195 Canal, New York
Johnson Chair Co. (Chairs, etc.), 233 N Green, Chicago, Ill.
Marks Adjustable Chair Co. (Parlor & Reclining Chairs), 50 E 29th, New York
New York Veneer Seating Co. (Veneered Seats & Chairs), Jersey City, N. J.
Potter & Stymus, 41st & Lexington av, New York
Richards Chair-Panel Co. (Reclining, Dining & Wicker Car Chairs), 184 La Salle, Chicago, Ill.
Scarritt-Comstock Furniture Co. (Seats, Chairs & Reclining Chairs), St. Louis, Mo.
Wallace Supply Co., 23 S Jefferson, Chicago, Ill., & 26 Cortlandt, New York
Woodman, Joel H., Hoboken, N. J.

*Car Seats ("Quride's" Covering Only)

QURIDE CO., Syracuse, N. Y. (See adv. index, end of book)

Car Steps & Treads

AMERICAN MASON SAFETY TREAD CO., 702 Old South Bldg., Boston, Mass. (See adv. index & branch offices, end of book)
Consumers' Rubber Co. ("Euclid Treads"), Cleveland, O.
Quincy-Manchester-Sargent Co. ("Q. & Q. Stanwood" Steel), Plainfield, N. J.
Universal Safety Tread Co., Boston, Mass.

Car Trimmings

Adams & Westlake Co. (Metal Coach), Ontario, cor N Franklin, Chicago, Ill.

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American Car & Ship Hdw. Mfg. Co. (Brass & Bronze), New Castle, Pa.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Buescher Band Instrument Co., Elkhart, Ind.
Central Union Brass Co., St. Louis, Mo.
Curtain Supply Co., 85 Ohio, Chicago, Ill.
Columbia Machine Works & Malleable Iron Co. (Metal), 269 Chestnut, Brooklyn, N. Y.
Creamer, W. G. & Co. (Also Trolley Car Trimmings), 96 John, New York
Delaware Marine Supply Mfg. Co. (Brass & Bronze), Wilmington, Del.
Dayton Mfg. Co., Dayton, O.
Edwards, O. M. Co., Syracuse, N. Y.
Halstead & Co. (Brass), 1129 Cherry, Phila., Pa.
Handlan-Buck Mfg. Co., St. Louis, Mo.
Howard, Jas. L. & Co. (Metal), Hartford, Conn.
International Register Co., 118 W Jackson boul, Chicago, Ill.
Ives, H. B. Co., New Haven, Conn.
Kingsland-Kay-Cook Mfg. Co. (Brass & Bronze), Mullanphy & 11th, St. Louis, Mo.
Kraushaar Brass Mfg. Co. (Street Car, etc.), St. Louis, Mo.
Loeffelholz Co. (Brass), 170 Clinton, Milwaukee, Wis.
Midland Metal Co. (Brass & Bronze), 21st & Jefferson, Phila., Pa.
Wallace Supply Co., 23 S Jefferson, Chicago, Ill.

Car Truck & Body Bolsters

American Car & Foundry Co., St. Louis, Mo., & 25 Broad, New York
American Steel Foundries (Open Hearth Cast Steel). Main office: Nat'l Bank Bldg., Chicago, Ill.
Atha Steel Casting Co., Newark, N. J.
Bettendorf Axle Co., Davenport, Iowa
Buckeye Steel Castings Co. (Open Hearth Steel), Columbus, O.
Chicago Railway Equipment Co. ("Monitor"), 4054 Princeton av, Chicago, Ill.
Commonwealth Steel Co. (Cast Steel), Bank of Commerce Bldg., St. Louis, Mo.
Pittsburg Steel Foundry (Open Hearth Steel Car Bolsters), Pittsburg, Pa.
Scullin-Gallagher Iron & Steel Co. (Cast Steel), St. Louis, Mo.
Simplex Railway Appliance Co. (Freight, etc.), Com. Nat'l B'k bldg, Chicago, Ill.; Works: Hammond, Ind.
Standard Steel Car Co., Frick bldg, Pittsburg, Pa. Works, Butler, Pa.
Sterlingworth Railway Supply Co. (Rolled Steel), North American bldg, Philadelphia, Pa.; Works: Easton, Pa.
Wellman-Seaver-Morgan Co. ("Wellman-Street" Cast Steel Bolsters), Cleveland, O.

Car Wheel Flasks

(See Molders' Flasks)

*Car Wheel Foundry Plants

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index, end of book)

Car Wheel Tapes

(See Tapes, Car Wheel Measuring)

Car Wheels

(See Wheels, Car, Etc.)

Car Window Fixtures

Edwards, O. M. Co., Syracuse, N. Y.
Ward, E. J. Co. (Shade Fixtures), 259 Wabash av, Chicago, Ill.

Car Window Rubbers

(See Rubber Window Cleaners)

Carbanese

Midvale Mining & Mfg. Co. (For Founders), 705 Olive, St. Louis, Mo.

*Carbide Containers

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Carbide Mfrs.

Union Carbide Co., 79 Wall, New York

*Carbolineum Importers

CARBOLINEUM IMPORTING CO., 13 Jones la, New York
GROSCHE, BRUNO & CO., 13 Jones la., New York. (See adv. index, end of book)

Carbon Black Mfrs.

American Carbon Black Co., Warren, Pa.
Binney & Smith Co. (& Blacks of Every Description), 81 Fulton, New York
Cabot, Godrey L. Co. (Ltd.), Old South bldg, Boston, Mass.
Carbon Black Mfg. Co. (Ltd.), Kane, Pa.
Castle Brook Carbon Black Co., Williamsport, Pa.
Columbian Carbon Co., Williamsport, Pa., & Weston, W. Va.
Davidson, Jas. H. (Inc.), 239 Front, New York
Hyde Carbon Black Co., Ridgway, Pa.
Mount Jewett Carbon Co., Mount Jewett, Pa.
Peerless Carbon Black Co., Kane, Pa.
Osborn, Clarence J. (Broker), 284 Pearl, New York
Salberg Black Co., Ridgeway, Pa.
Seaver & Co., 120 Milk, Boston, Mass.
Weston Carbon Co., Warren, Pa.

Carbon Mfrs.

International Acheson Graphite Co. (Pure), Niagara Falls, N. Y.
Lamson, Jno. S. & Bro., 84 William, New York

Carbonate of Barytes

(See also Barytes)

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Gabriel & Schall (Pure Precipitated), 205 Pearl, New York

Carbonators

Bishop & Babcock Co. ("Eureka"), 49th & Hamilton av., Cleveland, O.
Prankard, C. J. & Sons, Troy, N. Y.

Carbons (Arc Light)

American Carbon & Battery Co., East St. Louis, Ill.
Cary, Edw. E. Co. ("Fabius Henrion," Imported), 61 Park pl, New York
Frorup, L E. & Co. ("Arco," Imported), 232 Greenwich, New York
Kiewert, Chas. L. Co. ("Siemens," Importers), Milwaukee, Wis.
National Carbon Co., Cleveland, O.
Reisinger, Hugo ("Electra," "Nuenberg," Importers), 11 B'way, New York

Carbons (Battery)

American Carbon & Battery Co., East St. Louis, Ill.
Cary, Edw. E. Co. ("Fabius," "Henrion," Importers), 59 Park pl, New York
Eastern Carbon Works, Jersey City, N. J.
Kiewert, Chas. L. Co. ("Siemens," Importers), Milwaukee, Wis.
National Carbon Co., Cleveland, O.
Speer Carbon Co., St. Marys, Pa.
Stackpole Battery Co., St. Marys, Pa.
Wolff, Alfred & Co. (Importers), 45 Vesey, New York

Carbons (Black Diamonds) & Bortz

Bandler, Bernard & Son (For All Mechanical Purposes), 65 Nassau, New York
Basranger, J. & Co. (Also Rough Diamonds), 108 Fulton, New York
Demmert, Henry & Co., 14 John, New York
DESSAU'S, S. SONS (For all Mechanical Purposes), 180 B'way, New York. (See adv. index, end of book)
Diamond Drill Carbon Co., 17 Frankfort, New York
Francis & Co., Hartford, Conn.
Nix, Carl Ludwig, 49 Maiden La., New York
Rose, S. Co., 20 John, New York

*Carbons (Diamond Drill)

DESSAU'S, S. SONS (Also Bortz for All Mechanical Purposes), 180 B'way, New York. (See adv. index, end of book)

Carbons (Searchlight)

National Carbon Co., Cleveland, O.

*Carborundum Grains & Brick

HARRISON SUPPLY CO. (For Marble & Granite Polishing), 5 & 7 Dorchester av ext, Boston, Mass. (See adv. index, end of book)

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Carbureters

A. & J. Mfg. Co., 15 S Canal, Chicago, Ill.
American Carbureter Co., 29 E. Atwater, Detroit, Mich.
Bates Automobile Co., Lansing, Mich.
Bradford Motor Works, Bradford, Pa.
Breese Carbureter Co., Newark, N. J.
Brennan Motor Co., Syracuse, N. Y.
Buffalo Carbureter Co., 889 Main, Buffalo, N. Y.
Byrne, Kingston Co. ("Kingston"), Kokomo, Ind.
Clark Carburetter Co., Society for Savings bldg, Cleveland, O.
Clemick-Hirsh Co., 594 Milwaukee, Wis.
Continental Motor Mfg. Co., Muskegon, Mich.
Dow Portable Electric Co. ("Methot"), Braintree, Mass.
Dyke, A. L. Automobile Supply Co., Olive & Walton, St. Louis, Mo.
Ellerslie Mfg. Co., Rochester, N. Y.
Essex Brass Co., 480 Franklin, Detroit, Mich.
Fairmount Engineering Wks, 3205 Spring Garden, Phila, Pa.
Fast Machine & Tool Co., 24th & Greenfield av, Milwaukee, Wis.
Garlius, B. ("Garlus" Automatic), Madison, Wis.
Gilbert, Fred. E., Jacksonville, Fla.
Globe Machine & Stamping Co., 970 Hamilton, Cleveland, O.
Gould Manufacturing Co., Trenton, N. J.
Hall, Chas. E. Co. ("Hall"), Buffalo, N. Y.
Hatcher Auto Parts Co., 138 Viaduct, Cleveland, Ohio
Hendricks Novelty Co. ("Stevenson"), Indianapolis, Ind.
Holley Bros. Co. (Holley), 668 Beaubien, Detroit, Mich.
Imperial Brass Mfg. Co., 242 S. Jefferson, Chicago, Ill.
Lake Shore Engine Works ("New Superior"). Marquette, Mich.
Lamson Machine Co., Abington, Mass.
Lear, Oscar Automobile Co., Columbus, O.
Lyman Mfg. Co., 634 Grand av, Beloit, Wis.
Loomis Autocar Co., Westfield, Mass.
Masanick Mfg. Co., 671 E Atwater, Detroit, Mich.
Maxwell & Fitch Co., Rome, N. Y.
Mayo Damper Co., Pottstown, Pa.
Michigan Motor Co., Grand Rapids, Mich.
Milwaukee Motor Co., 615 Clybourne, Milwaukee, Wis.
Minnesota Boat & Power Works ("Schmidt"). Stillwater, Minn.
Morgan, B., 86 John, Newport, R. I.
Mosler, Arthur R. ("Perfect"), 1679 B'way, New York
Motor Car Power Equipment Co., 577 Grove, Milwaukee, Wis.
Motor & Mfg. Works Co. ("D. R."), Ithaca, N. Y.
Murray, W. B., 1253 Milwaukee av, Chicago, Ill.
Never-Miss Spark Plug Co., Lansing, Mich.
Newcomb Carbureter Co. (Floatless), 1900 Broadway, New York
Scott & Sons Co., Medford, Mass.
Sherwood Manufacturing Co., 1702 Elmwood av, Buffalo, N. Y.
Speed Changing Pulley Co. ("Universal"), Anderson, Ind.
Stromberg Motor Devices Co. ("Stromberg"), 1283 Michigan av., Chicago, Ill.
Walker, B. F. (Adjustable Throttling Ratio) Bridgewater, Conn
Wall, R. C. Mfg. Co, 1836 Race, Phila., Pa.
Waltham Manufacturing Co. ("Orient"), Waltham, Mass.
Westerfield Motor Co., Anderson, Ind.
Western Motor Co., Logansport, Ind.
Wheeler & Schebler ("Schebler"), Indianapolis, Ind
Williamson, Thomas G. ("Little Giant"), S F 39th, Philadelphia, Pa.
Winkley Co. (Garillus), Detroit, Mich.

Card Indexes

(See Filing Cabinets & Devices)

*Card Tables (Folding)

BURROWES, E. T. CO., THE, Portland, Me. (See adv. index & branch offices, end of book)

Cards (Index & Guide)

American Business Supplies Co. (Also Reinforced Celluloid Guide Cards), Boston, Mass.
Standard Index Card Co. (Also Celluloid Tipped Guide Cards), 701 Arch, Phila., Pa.

Carousels, Organs, Etc.

Dentzel, Gustav A., 3641 Germantown av, Phila., Pa.
Ertel, Geo. Co. (Health Merry-Go-Round), Quincy, Ill.
Evans & Co. (Steam), Lockport, N. Y
Gillie Engine & Machine Co., Tonawanda, N. Y.
Herschell, Spillman Co. (also Doll Racks, Striking Machines, Old Women & African Dodger), North Tonawanda, N. Y.
Mangels, Wm. F., 2941 W 5th, Brooklyn, N. Y.
Morris, E. Joy, 902 Walnut, Phila., Pa.
Philadelphia Toboggan Co., 130 E Duval (Gtn), Phila., Pa.
Queen City Carrousselle Co., South & Evans, Cincinnati, O.

Carpenters & Builders

(See Builders, Contracting; also Contractors, General)

Carpenters' Adze Mfrs.

(See Adze Manufacturers)

Carpet Linings

Bishop, Robert (Estate of), 167 6th, S. B., Boston, Mass.
Munroe Felt & Paper Co., 77 Summer, Boston, Mass.
Olmstead & Tuttle Co., Chicopee, Mass.
Schmidt & Ault Paper Co., York, Pa.
Union Carpet Lining Co., 79 Summer, Boston, Mass
Union Roofing & Mfg. Co. (Corrugated & Plain), St. Paul, Minn.
WATSON, H. F. CO. (Paper Carpet), Erie, Pa. (See adv. index, end of book)

Carriage Axles

(See Axles, Carriage & Wagon)

Carriage Calls (Electric)

Edwards & Co., 140th & Exterior, New York
Electric Carriage Call Co. (For Theatres, etc.), 178 Christopher, New York

*Carriage Trimmings

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index end of book)

Carriage Trimmings (Plated)

(See also Hardware Manufacturers, Carriage & Wagon)

Buescher Band Instrument Co., Elkhart, Ind.
Enterprise Brass & Plating Co., 2838 Spring Grove av, Cincinnati, O.
Higgin Mfg. Co., Newport, Ky.
Kienzle, W. F., 92 Ohio, Chicago, Ill.
Schlegel Mfg. Co., Rochester, N. Y.
Smith, Jos. N. & Co. (Rails, Handles, Name Plates, etc.), Detroit, Mich.
White Mfg. Co., Bridgeport, Conn.
Woodruff, Walter W. & Sons Co., Mount Carmel, Conn.

*Carriages (Cable)

FLORY, S. MFG. CO. (And Full Blocks), Bangor, Pa. (See adv. index, end book)

Carriages (Children's)

Adams Carriage Co., Canal Dover, O.
Advance Stamping Mfg. Co. (Semi-Collapsible Go-Carts), Indianapolis, Ind.
Allen Chair Co., Concord Junction, Mass.
American Rattan Co., 1606 S 2d, St. Louis, Mo.
Capital Rattan Co., Indianapolis, Ind.
Carriage & Toy Co., 737 W Lombard, Baltimore, Md.
Carter, C. L. & Co., Winchendon, Mass.
Computing Cheese Cutter Co. (Go-Carts), Anderson, Ind.
Detroit Rattan & Reed Works, Detroit, Mich.
Ford & Johnson Co., 16th & Indiana av, Chicago, Ill.
Gendron Wheel Co., Toledo, O.
Glascock Bros. Mfg. Co., Muncie, Ind.
Hardware & Woodenware Mfg. Co. (Rattan Reed, etc.), 826 B'way, New York
Hartshorn, C. H., Gardner, Mass.
Heins & Munschauer, Superior c Randall, Buffalo, N. Y.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Hill-Standard Mfg. Co., Anderson, Ind.
Huke, Wm. Rattan & Willow Ware Mfg. Co., 1007 S 7th, St. Louis, Mo.
Kaiser, Jacob Mfg. Co., St. Louis, Mo.
Kelly Bros., Gardner, Mass.
Lloyd Mfg. Co., Minneapolis, Minn.
May, P. J., New Orleans, La.
Meinecke Adolph & Son, ft of Mason, Milwaukee, Wis.
Menke, Chas., 535 E 15th, New York
National Carriage & Go-Cart Co., Faribault, Minn.
National Novelty Corporation (Rattan, Reed, etc.), 826 B'way, New York
Newark Go-Cart Mfg. Co., 199 Washington, Newark, N. J.
Newburgh Reed Co., Newburgh, N. Y.
Noeller's, L. Sons, 47 Locust, Buffalo, N. Y.
Pahl, E. F. & Co., 1082 3rd, Milwaukee, Wis.
Paterson, L. S. Pompanoosuc, Vt.
Peck & Hills Furniture Co., c Wabash av & 14th, Chicago, Ill.
Philadelphia Baby Carriage Factory, 1148 N American, Phila., Pa.
Piel Bros. Mfg. Co., Madison av & Ray, Indianapolis, Ind.
Pioneer Mfg. Co., Detroit, Mich.
Platt, Geo. A., 489 5th av, Brooklyn, N. Y.
Ramsbell, L. B., Gardner, Mass.
Rich Bros., 122 S Howard, Baltimore, Md.
Rieber, L. & Co., 16 N 4th, Phila, Pa.
Thayer, H. N. Co., Erie, Pa.
Toomey, S. & Co., Canal Dover, O.
Travers, Geo. W., 10 Grand, New York
Twin City Reed & Rattan Co., 189 W 3d, St. Paul, Minn.
Waite Chair Co., Baldwinsville, Mass.
Whitney, F. A. Carriage Co. (Also Go-carts and Folding Go-carts), Leominster Mass.
Whitney Reed Chair Co. (Also Go-carts), Leominster, Mass.
Withrow Mfg. Co. ("Oriole," "Go-Basket"), 35 Elm, Cincinnati, O.

Carriages (Gun)

Bethlehem Steel Co. (Steel), South Bethlehem, Pa., & 111 B'way, New York
Builders' Iron Foundry, Providence, R. I.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
MORGAN ENGINEERING CO. ("Gordon-Morgan" Disappearing, etc.), Alliance, O. (See adv. index & branch offices, end of book)
Phila. Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.

Carriages (Saw Mill)

(See Saw Mill Carriages)

Carriages (Tension)

BROWN, A. & F. CO., 25 Dey, New York. Works: Elisabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.
Link Belt Co., W. 39th cor. Stewart av, Chicago, Ill., & 299 B'way, New York
Nordyke & Marmon Co. (Vertical & Horizontal), Indianapolis, Ind.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Carriers (Belt)

(See Conveyors, Belt)

Carriers (Can & Bag, Street Sweeping)

Acme Road Machinery Co., Frankfort, N. Y.
Monarch Road Roller Co. ("Monarch"), Groton, N. Y.
Motley, Green Co., 68 Broad, New York
Strain, J. H., Co. (Can), 85 Front, New York
Wirt & Knox Mfg. Co. ("20th Century"), 23 N 4th, Phila., Pa.

Carriers (Dry Kiln Door)

Dry Kiln Door Carrier Co., Indianapolis, Ind.

Carriers (Feed & Litter)

Porter, J. E. Co. ("Porter's" All Steel Track), Ottawa, Ill.

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Carriers (Gravity)

(See Conveyors, Gravity)

Carriers (Hay)

CANTON FOUNDRY & MACHINE CO. (Steel Track), Canton, O. (See adv. index, end of book)
Church Hay Tool Co. ("Church"), Harvard, Ill.
Eagle Mfg. Co. ("Appleton," "Eagle," "Samson"), Appleton, Wis.
Eureka Mower Co. ("Clark"), Utica, N. Y.
Farrell, John ("Farrell"), Newton, N. J.
Fultonville Mfg. Co. ("Cross"), Fultonville, N. Y.
Goshen Mfg. ("Hercules"), Goshen, Ind.
Hunt-Helm-Ferris & Co. ("Star," "Peerless," "Elephant," "Harvard," "One-Way," Sling, Swivel & Reversible), Harvard, Ill.
Jackson, Byron Machine Works ("Walker"), San Francisco, Cal.
Jordan, R. C. ("Jordan," "Ottawa," "Columbian & Sling), Fairfield, Iowa
Law Mfg. Co. ("Law's"), Merriam Park, St. Paul, Minn.
Louden Machinery Co. ("Jewell," "Royal," "Victor," & Louden's," Duplex, Cable, Junior & Sling")), Fairfield, Iowa
Milwaukee Hay Tool Co. ("Bloomer Swivel," "Leader," Cable, "Milwaukee," Reversible & Swivel, Wood & Steel Track, etc.), Layton Park, Milwaukee, Wis.
Myers, F. E. & Bro. ("Myers" Cable, "Clover Leaf" Combination, "O. K." Single Rail, Sure Grip & Unloader), Ashland, O.
Ney, Mfg. Co. ("Genuine Ney"), Canton, O.
Ney, V. L. Co. ("Ney's Latest"), Canton, O.
Porter, J. E. Co. ("Barnes," "Meadow King," "Meadow Queen," "Porter," "Porter's Columbian," "Champions" Reversible, Sling & Swivel, & "Prairie Queen" Steel Track), Ottawa, Ill.
Ricker Mfg. Co. ("Ricker," "Rochester"), Rochester, N. Y.
Stowell Mfg. & Foundry Co. ("Acme," "Ajax," "Boyd's"), South Milwaukee, Wis.
Strickler Hay Tool Co. ("Strickler," "Deadlock" Steel & Wood Track), Janesville, Wis.
Swineford, G. A. Co. ("Swineford"), Canton, Ohio
Syracuse Chilled Plow Co. ("Syracuse"), Syracuse, N. Y.
U. S. Wind Engine & Pump Co. ("Noyes," "Standard"), Batavia, Ill.
Whitaker Mfg. Co. ("Sterling"), Chicago, Ill.
WHITMAN & BARNES MFG. CO. ("Diamond," "New Acme," Steel & Wood Track, Rod or Cable), Chicago, Ill. (See adv. index & branch offices, end of book)

Carriers (Merchandise)

(See also Trolleys & Trolley Tracks, Overhead)

Air Line Carrier Co., 200 Monroe, Chicago, Ill.
Allith Mfg. Co. (Overhead Tracks), W Taylor c S 43d av, Chicago, Ill.
Howe Scale Co., of Illinois, 1315 Wabash av, Chicago, Ill.
Hunt-Helm-Ferris & Co. ("Star"), Harvard, Ill.
Myers, F. E. & Bro., Ashland, O.
Ricker Mfg. Co., Rochester, N. Y.

*Cars (Air Dump)

McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)

*Cars (Asphalt)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Cars (Ballast)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
Continental Car & Equipment Co., Louisville, Ky.
FAIRBANKS, MORSE & CO., Wabash av. and Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Goodwin Car Co., 17 Battery pl., New York
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Rodger Ballast Car Co., Railway Exchange bldg Chicago, Ill
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Western Wheeled Scraper Co. (Bottom & Side Dump), Aurora, Ill.

*Cars (Barney)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Cars (Billet)

Akron Cultivator Co., Akron, O.
American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
Archer Iron Works Co., 739 First Nat'l Bank bldg, Chicago, Ill.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Chase Foundry Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Gregg Company (Ltd.), Newburgh, N. Y.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene Detroit, Mich. (See adv. index & branch offices, end of book)
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Stamp, O. E. & Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

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Youngstown Car Mfg. Co., Youngstown, O.

*Cars (Blue Print)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

*Cars (Boiler Room)

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Cars (Bottom Dump)

(See Cars, Drop Bottom; also Cars, Dumping.)

Cars (Brick & Clay)

(See also Trucks, Brick)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
AMERICAN CLAY MACHINERY CO. (Steel & Wood), Bucyrus, O.
Arnold-Creager Co., New London, O.
ATLAS CAR & MFG. CO., THE (Also Metal, Brick & Drying Cars, Sand, Lime, Brick, Deck, etc.), 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Bonnot Company, Canton, O.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Continental Car & Equipment Co., Louisville, Ky.
Freese, E. M. & Co., Gallon, O.
Fulton Foundry & Machine Works, Atlanta, Ga.
Gregg Co. (Ltd.), Newburgh, N. Y.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Horton Mfg. Co. (Clay, Dumping, etc.), Painesville, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Ceramic Engineering Co. (Deck, Rack, Flat, etc.), Berea rd, Cleveland, O.
Peacock's Iron Works (Iron, Steel & Wood), Selma, Ala.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Raymond, C. W. Co., Dayton, O.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sackett, H. B., Screen & Chute Co., 4210 State, Chicago, Ill.
Scott's Patent Brick Car Co., Knoxville, Tenn.
Sheffield Car Co. (Steel & Wood), Three Rivers, Mich.
Steele, J. C. & Son, Statesville, N. C.
Stuart, R. J. & T. H., New Hamburg, N. Y.
Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
Treadwell, M. H. Co., 90 West, New York
Truax Mfg. Co. (John T. Plummer, Prop'r) (Two Way Rock Dump), Denver, Colo.
Wellington Machine Co., Wellington, O.

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Youngstown Car Mfg. Co., Youngstown, O.

*Cars (Bridge Builders' Derrick)

AMERICAN HOIST & DERRICK CO. (Self-Propelling), St. Paul, Minn. (See adv. index & branch offices, end of book)

Cars (Bridge Gang)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Inll. Works: Harvey, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Gregg Co. (Ltd.), Newburgh, N. Y.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Sheffield Car Co., Three Rivers, Mich.

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*Cars (Calcine)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)

Cars (Canopy)

CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Gregg Co. Ltd.), Newburgh, N. Y.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
Sheffield Car Co., Three Rivers, Mich.
South Baltimore Steel Car & Foundry Co., Continental bldg, Baltimore, Md.

Cars (Charging)

Akron Cultivator Co., Akron, O.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Conveying Machine Co. (Balance Sheet), 120 Liberty, New York
Gregg Co. (Ltd.), Newburgh, N. Y.
Hosbor-Platt Co. (Balance Steel), 120 Liberty, New York
Hunt, C. W. Co., West New Brighton, N. Y.
Kilbourne & Jacobs Mfg. Co. (Annealing Furnace, etc.), Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Link Belt Co. (Drop Side, etc.), W. 30th cor. Stewart av, Chicago, Ill.
Ohio Ceramic Engineering Co., Cleveland, O.
Power & Mining Machinery Co., Cudahy, Wis.

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RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Schaikenbach & Budke, Jersey City, N. J.
Stamp, C. E. & Co., Cleveland, O.
Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
Treadwell, M. H. Co., 90 West, New York; Works: Lebanon, Pa.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York; Works: Newburgh, N. Y.
Variety Iron & Steel Works Co., Cleveland, O.

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*Cars (Charging, Open Hearth)

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Cars (Cinder)

(See Cars, Hot Metal or Slag)

Cars (Coal)

American Car & Foundry Co., St. Louis, Mo.
Barney & Smith Car Co., Dayton, O.
Bartlett, A. F. & Co., Saginaw, Mich.
Bettendorf Axle Co. (All-Steel), Davenport, Ia.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
CENTRAL IRON WORKS (Self-Dumping), Quincy, Ill. (See adv. index, end of book)
Continental Car & Equipment Co., Louisville, Ky.
Erie Car Works, Erie, Pa.
Goodwin Car Co., 17 Battery pl., New York
Helmick Fdry & Machine Co., Fairmont, W. Va.
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Honhorst, Joseph, Co., Cincinnati, O.
Kilbourne & Jacobs Mfg. Co. (Steel, Side Opening, etc.), Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lehigh Car Wheel & Axle Wks., Catasauqua, Pa.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Ohio Ceramic Engineering Co. (Mine, Pit, Hotel, etc.), Cleveland, O.
Peacock's Iron Works, Selma, Ala.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Portland Co., Portland, Me.
Pressed Steel Car Co. (Steel), Pittsburg, Pa.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.
Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
Treadwell, M. H. Co., 90 West, New York
Truax Mfg. Co., Denver, Col.
Watt Mining Car Wheel Co., Barnesville, O.
Whitman Agricultural Co. (Wood), 6900 S B'way, St. Louis, Mo.

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Youngstown Car Mfg. Co., Youngstown, O.

*Cars (Coke)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)

*Cars (Concentrate)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)

Cars (Concrete)

(See also Carts, Concrete)

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Continental Car & Equip't Co., Louisville, Ky.
Kilbourne & Jacobs Mfg. Co. (Steel End Dump), Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
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Ohio Ceramic Engineering Co., Cleveland, O.
Queen City Brick Machine Co., Travers City, Mich.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Sackett, H. B., Screen & Chute Co., 4210 State, Chicago, Ill.

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Cars (Concrete Block)

(See Cars, Concrete)

Cars (Core Oven)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book
Byram & Co. (Inc.), 435 Guoin, Detroit, Mich.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Gregg Co. (Ltd.), Newburgh, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hunt, C. W. Co., W. New Brighton, S. I.
Jackson Mfg. Co., Harrisburg, Pa. N. Y.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

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*Cars (Creosoting)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Cars (Derrick or Crane)

(See Cars, Industrial)

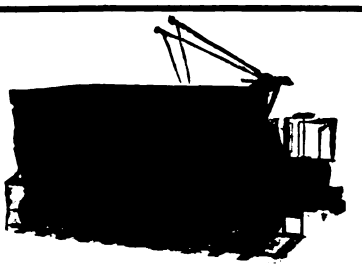
Cars (Drop Bottom)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
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ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Austin Mfg. Co., Manhattan bldg., Chicago, Ill.
Barney & Smith Car Co., Dayton, O.
Bodley Wagon Co., Memphis, Tenn.
Bradford Car & Mfg. Co., Monadnock Blk, Chicago, Ill.
Buffalo Pitts Co., Buffalo, N. Y.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Cleveland Car Co., West Park, O.
Continental Car & Equip't Co., Louisville, Ky.
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
Gregg Co. (Ltd.), Newburgh, N. Y.
Haskell & Barker Car Co., Michigan City, Ind.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
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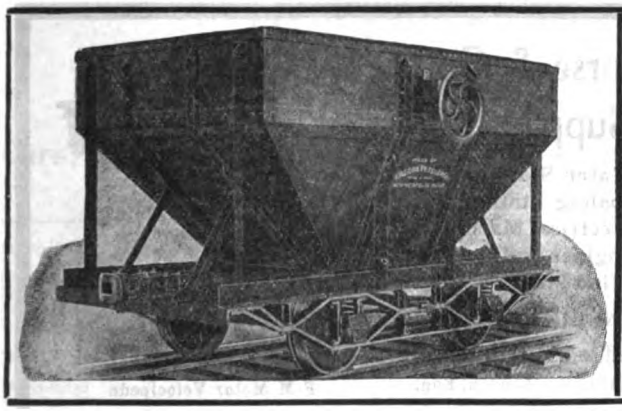


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Cars (Dryer)

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Gregg Co. (Ltd.), Newburgh, N. Y.
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Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Means Foundry & Machine Co., Steubenville, O.
North Alabama Eng'g Co., New Decatur, Ala.
Ohio Ceramic Engineering Co., Cleveland, O.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
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Cars (Dumping)

(See also Cars, Mine)

American Car & Foundry Co ("Page" Patented), 915 Olive, St. Louis, Mo., & 165 B'way, New York
AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
American Clay Machinery Co. (Steel & Wood), Bucyrus, O.
Archer Iron Works Co. (Rotary Dumping), 739 First Nat'l Bank bldg, Chicago, Ill.
ATLAS CAR & MFG. CO. (End, Bottom, Either Side, Rocker, Rotary, etc.), 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
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Bonnot Company, Canton, O.
Buffalo Pitts Co. (Contractors), Buffalo, N. Y.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO. (Contractors' Dumping), 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Catawissa Car & Casting Co., Catawissa, Pa.
CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Cleveland Car Co., West Park, O.
Continental Car & Equipment Co., Louisville, Ky.
Davis, F. M. Iron Works, Denver, Colo.
Denver Engineering Works, Denver, Colo.
DORRIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO. (Side, Rotary, Hopper, Center & Bottom Dump, etc., Wood and Steel), Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index, end of book)
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
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Haskell & Barker Car Co., Michigan City, Ind.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Hicks Locomotive and Car Works (Railroad), 277 Dearborn, Chicago, Ill.
Hunt, C. W., Co., West New Brighton, S. I. N. Y.
Inter-State Car Co., Indianapolis, Ind.
Irwin Foundry & Mine Car Co. (Contractors, etc.), Irwin, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kalamazoo Railway Supply Co. (Contractors'), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co. (Steel Rocker Slide, Bottom Dump, etc.), Columbus, O.
KILGORE-PETELER CO. (Automatic Bottom Dump, etc.), Minneapolis, Minn. (See adv. index, end of book)
King-Lawson Car Co. ("King-Lawson," All Steel, Right or Left Dump), 17 State, New York

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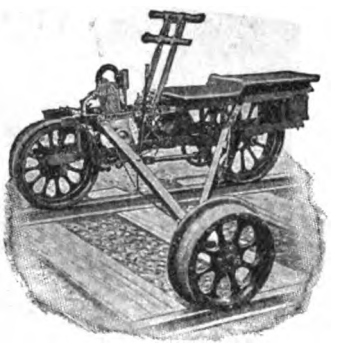
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Peacock's Iron Wks. (Steel & Wood), Selma, Ala.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Port Huron Engine & Thresher Co. (For Hauling Stone, Gravel, etc., for Macadam Roads), Port Huron, Mich.
Portland Co., Portland, Me.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works (Side, End & Bottom Dump), Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sanford-Day Iron Works, Knoxville, Tenn.
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Stedman's Foundry & Machine Works (For Fertilizer Works), Aurora, Ind.
Stuebner, G. L. Iron Works, 12th & Vernon av Long Island City, N. Y.
Treadwell, M. H. Co., 90 West, New York
Truax Mfg. Co. (Jno. T. Plummer, Prop.), (Steel), 1725 Wazee, Denver, Col.
Turl's, Jno. Sons (End, Side & Bottom), 2d Cortlandt, New York
Union Iron Works (Steel), Hoboken, N. J.
Western Wheeled Scraper Co. (Bottom & Side Dump), Aurora, Ill.
Whitman Agl. Co. (Wood & Steel), 6900 S B'way, St. Louis, Mo.

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MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md (See adv. index, end of book)
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)

*Cars (Electric)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index. end of book)

*Cars (Fibre)

AMERICAN VULCANIZED FIBRE CO. (Factory, etc.), Wilmington, Del. (See adv. index, end of book)

Cars (Flat)

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Bettendorf Axle Co. (All Steel), Davenport, Ia.
Bradford Car & Mfg. Co., Monadnock Bldg., Chicago, Ill.
Cambria Steel Co., Arcade bldg, Phila., Pa.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO. (Contractors'), 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Catawissa Car & Casting Co., Catawissa, Pa.
Chase Foundry & Mfg. Co., Columbus, O.
Continental Car & Equipment Co., Louisville, Ky.
Erie Car Works, Erie, Pa.
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Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
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Stephenson, Jno. Co., Elizabeth, N. J.
Sterlingworth Railway Supply Co., Easton, Pa.
Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
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ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index. end of book)
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KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
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Ohio Ceramic Engineering Co., Cleveland, O.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.
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Continental Car & Equipment Co., Louisville, Ky.
Erie Car Works, Erie, Pa.
Gregg Co. (Ltd.), Newburgh, N. Y.
Hammond, J. & Co., San Francisco, Cal.
Haskell & Barker Car Co., Michigan City, Ind.
HICKS LOCOMOTIVE & CAR Works, 277 Dearborn, Chicago, Ill.
Keith Car & Mfg. Co., Sagamore, Mass.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Laconia Car Co., 100 Boylston, Boston, Mass.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Middletown Car Works, Middletown, Pa.
Milwaukee Car Mfg. Co., Milwaukee, Wis.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Osterman Mfg. Co., 120th & Prince, Chicago, Ill.
Portland Co., Portland, Me.
Pressed Steel Car Co. (Steel), Pittsburg, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.
RALSTON STEEL CAR CO. (Steel & Wooden), Columbus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
South Baltimore Steel Car & Foundry Co (Metal, Wood & Composite), Baltimore, Md.
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Treadwell, M. H. Co., 90 West, New York
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Cars (Gas Coke)

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KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
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Sheffield Car Co., Three Rivers, Mich.

Cars (Gondola)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
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Cambria Steel Co. (Also Steel Hopper Gondola), Arcade bldg, Phila., Pa.
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Continental Car & Equip't Co., Louisville, Ky.
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
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RALSTON STEEL CAR CO. (Self-Cleaning Drop Bottom, Capacity 100,000 lbs.), Columbus, O. (See adv. index & branch offices, end of book)
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Cars (Hand Dump)

(See Cars, Dumping)

Cars (Hand & Push)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill
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Chase Foundry & Mfg. Co., Columbus, O.
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Continental Car & Equip't Co., Louisville, Ky.
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Kalamazoo Railway Supply Co. (Section), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
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Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co. (Steel), Three Rivers, Mich.
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Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
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ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
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Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
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KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Penna. Engineering Works, New Castle, Pa.
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Ramapo Iron Works, Hillburn, N. Y.
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Cars (Industrial)

(See also Railways, Industrial & Portable)

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Buda Foundry & Mfg. Co., Harvey, Ill.
Calumet Engineer Works, Harvey, Ill.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
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Cleveland Car Co., West Park, O.
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DOBBIE FOUNDRY & MACHINE CO., Main Office & Works: Niagara Falls, N. Y. (See adv index, end of book)
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Chase Foundry & Mfg. Co., Columbus, O.
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
Gregg Co. (Ltd.), Newburgh, N. Y.
Hunt, C. W. Co., W New Brighton, S. I., N. Y.
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KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Ohio Ceramic Engineering Co., Cleveland, O.
Sheffield Car Co. (Steel), Three Rivers, Mich.
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Treadwell, M. H. Co., 90 West, New York
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Cars (Inspection)

(See also Cars, Motor, Inspection)

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Weimer Machine Works Co. (Hand or Power Dump, Air, Electric & Steam Power), Lebanon, Pa.

Cars (Logging)

American Car & Foundry Co., St. Louis, Mo.
American Locomotive Co., 25 Broad, New York
Barney & Smith Car Co., Dayton, O.
Butterworth & Lowe, Grand Rapids, Mich.
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Chase Foundry & Mfg. Co., Columbus, O.
Chattanooga Car & foundry Co., Chattanooga, Tenn.
Cleveland Car Co., West Park, O.
Climax Mfg. Co., Corry, Pa.
Continental Car & Equipment Co., Louisville, Ky.
Dilley Foundry Co., Pine Bluff, Ark.
Dilley, Geo. M. & Son, Palestine, Tex.
Erie Car Works, Erie, Pa.
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Hammond, J. & Co., San Francisco, Cal.
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Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Holt Mfg. Co., Stockton, Cal.
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KILGORE-PETELER CO., Minneap-olis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lima Locomotive & Machine Co., Lima, O.
Marshall Car Wheel & Fdry Co., Marshall, Tex.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
North Alabama Engineering Co. (for Pole Roads, etc.), New Decatur, Ala.
Ohio Ceramic Engineering Co., Cleveland, O.
Raleigh Iron Works Co., Raleigh, N. C.
Peacock's Iron Works, Selma, Ala.
Piggott, Wm. Railway & Steel Supply Co., Seattle, Wash.
Portland Co. (Log Bunks), Portland, Me.
RALSTON STEEL CAR CO., Colum-bus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., De-troit, Mich. (See adv. index, end of book)
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Cars (Mine)

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ATLAS CAR & MFG. CO., THE, 1289 Mar-quette rd., N. E., Cleveland, O. (See adv. index, end of book)
Austin Mfg. Co., Manhattan bldg, Chicago, Ill.
Bartlett, A. F. & Co., Saginaw, Mich.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
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Cleveland Car Co., West Park, O.
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Continental Car & Equip't. Co., Louisville, Ky.
Cresson Fdry Mach. & Car Co., Ebensburg, Pa.
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Denver Engineering Works, Denver, Col.
Eagle Iron Works (Coal & Ore), Des Moines, Ia.
Ellison, Wm. & Sons Mfg. Co., 1020 N 6th, St. Louis, Mo.
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G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
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Litchfield Foundry & Machine Co., Litchfield, Ill.
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Ohio Ceramic Engineering Co., Cleveland, O.
Ottumwa Iron Works, Ottumwa, Ia.
Peacock's Iron Works, Selma, Ala.
Phillips Mine & Mill Supply Co. (Steel & Wood), Pittsburg, Pa.
Prox, Frank Co., Terre Haute, Ind.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sanford-Day Iron Works, Knoxville, Tenn.
Scott's Patent Brick Car Co., Knoxville, Tenn.
Sheffield Car Co. (Steel), Three Rivers, Mich.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Spicer Mfg. Co., New Philadelphia, O.
Star Mfg. Co., New Lexington, O.
Stine, S. B., Osceola Mills, Pa.
Suppes Forge & Foundry Co., Johnstown, Pa.
Treadwell, M. H. Co., 90 West, New York
Truax Mfg. Co., Denver, Col.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York
Watt Mining Car Wheel Co. (Steel, etc.), Barnesville, O.

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*Cars (Motor, Gasoline & Electric)

HICKS LOCOMOTIVE & CAR WORKS, 277 Dearborn, Chicago, Ill.

Cars (Motor, Inspection)

(See also Cars, Inspection; also Cars, Velocipede)

CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Duntley Mfg. Co. ("Rockford," Gasoline Motor), 303 Dearborn, Chicago, Ill.
FAIRBANKS, MORSE & CO. (Gasoline), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Kalamazoo R'y Sup. Co., Kalamazoo, Mich.
Light Inspection Car Co., Hagerstown, Ind.
Olds Motor Works (Gasoline), Lansing, Mich.
Sheffield Car Co. (Steel), Three Rivers, Mich.
Stover Motor Car Co., Freeport, Ill.

*Cars (Orange & Banana)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)

Cars (Ore)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Car & Foundry Co., St. Louis, Mo.
Archer Iron Works Co. (Steel Dumping), 379 La Salle, Chicago, Ill.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Barney & Smith Car Co., Dayton, O.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Continental Car & Equip't Co., Louisville, Ky.
Davis, F. M. Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Col.
Eagle Iron Works, Terra Haute, Ind.
Erie Car Works, Erie, Pa.
FAIRBANKS, MORSE & CO. (Steel & Wood), Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Globe Iron Works (Inc.), Stockton, Cal.
Goodwin Car Co., 17 Battery pl, New York
Gregg Co. (Ltd.), Newburgh, N. Y.
Haskell & Barker Car Co., Michigan City, Ind.
Hendy, J. Machine Works, 38 Fremont, San Francisco, Cal.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Leigh Car Wheel & Axle Works, Catasauqua, McFarlane Mfg. Co., Denver, Colo. Pa.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Iron Works (Inc.), Spokane, Wash.
North Alabama Eng'ing Co., New Decatur, Ala.
Ohio Ceramic Engin'g Co., Cleveland, O.
Peacock's Iron Works, Selma, Ala.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Ramapoo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.
Silver Bros. Iron Wks. Co., Salt Lake City, Utah
Stuebner, G. L. Iron Works, Long Island City, New York
Traylor Engineering Co. Works, Allentown, Pa.
Treadwell, M. H. Co., 90 West, New York
Truax Mfg. Co., Denver, Col.
Union Iron Works (Inc.), Spokane, Wash.
Watt Mining Car Wheel Co., Barnesville, O.

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Cars (Passenger)

American Car & Foundry Co., St. Louis, Mo.
Barney & Smith Car Co., Dayton, O.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Buckley, T. H. Mfg. Co., Worcester, Mass.
FAIRBANKS, MORSE & CO. (Gasoline Motor, Self-Propelled), Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Hammond, Jno. & Co., 2d & Townsend, San Francisco, Cal.
Harlan & Hollingsworth Corporation, Wilmington, Del.
HICKS LOCOMOTIVE & CAR WORKS, 277 Dearborn, Chicago, Ill.
Jewett Car Co., Newark, O.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Laconia Car Co. Works, 100 Boylston, Boston, Mass. Works, Laconia, N. H.
McGuire-Cummings Mfg. Co., W Chicago, Ill.
MARYLAND EQUIPMENT & SUPPLY Co. (Dealers), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Niles Car & Mfg. Co., Niles, O.
Pressed Steel Car Co. (All Steel), Pittsburg, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.

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*Cars (Pile Driver)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Cars (Pipe)

(See Cars, Plate & Sheet Mill)

Cars (Pit)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Helmick Fdry & Machine Co., Fairmont, W. Va.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
United Iron Works Co., Springfield, Mo.

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Cars (Plantation)

American Car & Foundry Co., St. Louis, Mo.
Apex Equipment Co., 11 B'way, New York
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See index, end of book)
Bodley Wagon Co., Memphis, Tenn.
Buda Foundry & Mfg. Co., Harvey, Ill.
Cagney Bros, 74 B'way, New York.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Cleveland Car Co., West Park, O.
Continental Car & Equip't Co., Louisville, Ky.
FAIRBANKS, MORSE & CO., Wabash ave. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Gregg Co. (Ltd.), Newburgh, N. Y.
Hammond, Jno. & Co., San Francisco, Cal.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kalamazoo Railway Supply Co. (Cane), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Kilby Locomotive & Machine Works (Cane), Anniston, Ala.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
Peacock's Iron Works, Selma, Ala.
Pioneer Iron Works, 151 William, Bklyn., N. Y
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York

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Chase Foundry & Mfg Co., Columbus, O.
Cleveland Car Co., West Park, O.
Focht, Geo. Sons, 119 Adams, Hoboken, N. J.
Gregg Co. (Ltd.), Newburgh, N. Y.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Sheffield Car Co. (Steel), Three Rivers, Mich.
Wellmer Machine Works Co., Lebanon, Pa.

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Cars (Pole Road)

Butterworth & Lowe, Grand Rapids, Mich.
North Alabama Engineering Co., New Decatur, Ala.

Cars (Quarry)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Archer Iron Works Co., First Nat'l Bank bldg, Chicago, Ill.
Chase Foundry & Supply Co., Columbus, O.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Massillon Foundry & Machine Co. (Steel or Wood), Massillon, O.
Power & Mining Machine Co. (Steel), Cudahy, Wis.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Truax Mfg. Co. (John T. Plummer, Prop.), Denver, Colo.
Watt Mining Car Wheel Co., Barnesville, O.

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*Cars (Radial)

ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)

Cars (Refrigerator)

American Car & Foundry Co., St. Louis, Mo.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Erie Car Works, Erie, Pa.
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Milwaukee Car Mfg. Co., Milwaukee, Wis.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book

Cars (Rock)

(See Cars, Quarry)

Cars (Rotary Tunnel)

(See also Cars, Tunnel)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Ohio Ceramic Engin'g Co. (Steel Body Mining Scoop), Cleveland, O.
Western Wheeled Scraper Co., Aurora, Ill.

Cars (Second-Hand)

(See also Railroad Equipments, Second Hand)

Atlantic Equipment Co., 111 Bway, New York
Baldwin Equipment & Supply Co. (Contractors', Dump, etc.), Fisher bldg, Chicago, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Cincinnati Equipment Co., Cullums Station, Cincinnati, O.
Fitz-Hugh-Luther Co. (Passenger & Freight), Monadnock blk, Chicago, Ill.
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Inter-State Car Co. (Contractors' Cars & Repairs, etc.), Indianapolis, Ind.
Males Co., First Nat'l Bank bldg, Cincinnati, O., & 26 Cortlandt, New York
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. Index, end of book)
Mitskkun, M. Co. (Second Hand), Chamber of Commerce, Detroit, Mich.
SHAW, WILLIS CO. (Dumping, Flat, etc.), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Southern Iron & Equipment Co., Atlanta, Ga.
Watson, John B., Drexel Bldg., Phila., Pa.
Wonham-Magor Eng'g Wks., 29 B'way, N. Y.
Zelnicker, Walter A., Supply Co. (All Kinds), St. Louis, Mo.

Cars (Shop)

Akron Cultivator Co., Akron, O.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book
Chase Foundry & Mfg. Co., Columbus, O.
Conveying Machine Co. (Steel), 120 Liberty, New York
Gregg Co. (Ltd.), Newburgh, N. Y.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

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Wonham-Magor Eng'g Wks., 29 B'way, N. Y.
Zering, H. Mfg. Co. (Track & Floor, Platform Track, etc.), Cincinnati, O.

*Cars (Side Dump)

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Cars (Skip)

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ATLAS CAR & MFG. CO., THE, 1289 Marquette Rd., N E Cleveland, O. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
RANSOME CONCRETE MACHINERY Co. (Self-Dumping), Dunellen, N. J. (See adv. index & branch offices, end of book
Sheffield Car Co., Three Rivers, Mich.
Stamp, C. E. & Co., Cleveland, O.
Truax Mfg. Co., Denver, Col.
Turi's, Jno. Sons, 26 Cortlandt, New York.
Wellman-Seaver-Morgan Co., Cleveland, O.

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Youngstown Car Mfg. Co., Youngstown, O.

Cars (Slag)

(See Cars, Hot Metal or Slag)

Cars (Spreader)

Buffalo Fitts Co. (Stone Only), Buffalo, N. Y.
Continental Car & Equip't Co., Louisville, Ky.
Mann-McCann Co. ("McCann's" & "Mann" Spreader & Grader), Fisher bldg., Chicago, Ill.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Western Wheeled Scraper Co., Aurora, Ill.

Cars (Sprinkling, Street Railway)

American Car Sprinkler Co., Worcester, Mass.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Kensington Engine Works Co., Beach c E Berks, Phila., Pa.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill
Smith & Wallace (Electric), Woburn, Mass.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Winkler Bros. Mfg. Co., South Bend, Ind.

*Cars (Starch Dryer)

ATLAS CAR & MFG. CO., THE, 1289 Marquette Rd., N. E., Cleveland, O. (See adv. index, end of book)

Cars (Steam Shovel)

Cleveland Car Co., West Park, O.
Kilbourne & Jacobs Mfg. Co. (Two Way Dump), Columbus, O.

The Ralston Steel Car Company, COLUMBUS OHIO

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McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
Marion Steam Shovel Co., Marion, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Western Wheeled Scraper Co., Aurora, Ill.

Cars (Steel)

American Car & Foundry Co., St. Louis, Mo.
Barney & Smith Car Co., Dayton, Ohio.
Bethlehem Steel Co., South Bethlehem, Pa.
Bettendorf Axle Co. (All Steel), Davenport, Ia.
Cambria Steel Co., Arcade bldg, Phila., Pa.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co. (Industrial), West Park O.
Continental Car & Equipment Co., 17 Battery pl., New York
Goodwin Car Co., 17 Battery pl. New York.
Harlan & Hollingsworth Corp'n, Wilmington, Del.
KILGORE-PETELER CO. (All Steel, Industrial), Minneapolis, Minn. (See adv. index, end of book)
Lima Locomotive & Machine Co. (Steel Dump), Lima, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
Pressed Steel Car Co. (Street, Tank, Mine, Coal, etc.), Pittsburg, Pa.
RALSTON STEEL CAR CO. (All Classes of Cars), Columbus, O. (See adv. index & branch offices, end of book)
Ramapo Iron Works, Hillburn, N. Y.
South Baltimore Steel Car & Foundry Co., Continental bldg, Baltimore, Md.
Standard Steel Car Co., Butler, Pa.
Sterlingworth Railway Supply Co. (Rolled Steel, All Kinds), North American bldg, Phila., Pa. Works, Easton, Pa.
Wellman-Seaver-Morgan Co. (Industrial), Cleveland, O.
Western Steel Car & Foundry Co., Old Colony bldg, Chicago, Ill., & Anniston, Ala.

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Youngstown Car Mfg. Co., Youngstown, O.

Cars (Steel Mining or Dump)

American Car & Foundry Co., St. Louis, Mo.
ATLAS CAR & MFG. CO., THE, 1289 Marquette Rd., N. E., Cleveland, O. (See adv. index, end of book)
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Continental Car & Equipment Co., 17 Battery pl, New York
Gregg Co. (Ltd.), Newburgh, N. Y.
Jackson Mfg. Co. (Side & End Dump), Harrisburg, Pa.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Lima Locomotive & Machine Co., Lima, O.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
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Peacock's Iron Works, Selma, Ala.
Phillips Mine & Mill Supply Co., Pittsburg, Pa.
Pressed Steel Car Co., Pittsburg, Pa.
Ramapo Iron Works, Hillburn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of Sheffield Car Co., Three Rivers, Mich. book)
Standard Steel Car Co. (All Steel & Composite Steel & Wood, Freight), Frick bldg, Pittsburg, Pa.
Treadwell, M. H. Co., 90 West, New York
Traux Mfg. Co., 1725 Wazee, Denver, Col.

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*Cars (Stone)

(See Cars, Quarry)

Cars (Street & Electric)

American Car Co. (See J. G. Brill Co.), St. Louis, Mo.
American Car & Fdry Co., St. Louis, Mo. 165 B'way, New York
Barney & Smith Car Co., Dayton, O.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Buckley, T. H. Car Mfg. Co., Worcester, Mass.
California Car Works, San Francisco, Cal.
CAREY, GEO. H., B'way, New York. (See adv. index, end of book)
Cincinnati Car Co., Cincinnati, O.
Danville Car Co. (See J. G. Brill Co.), Danville, Ill.
GENERAL ELECTRIC CO. (Self Propelled), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hammond, Jno. & Co., San Francisco, Cal.
Jewett Car Co., Newark, O.
Jones' J. M. Sons, Watervliet, N. Y.
Kuhlman, G. C. Car Co. (See J. G. Brill Co.), Collinwood, O.
Laconia Car Co. Works, 100 Boylston, Boston. Mass. Works: Laconia, N. H.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
Niles Car & Mfg. Co., Niles, O.
Pay-As-You-Enter Car Co., 50 Church, New York
Pressed Steel Car Co. (Pressed Steel), Pittsburg, Pa.
Pullman Co., Pullman bldg, Chicago, Ill., & 15 Broad, New York
Sheffield Car Co, Three Rivers, Mich.
Southern Car Co., High Point, N. C.
Youngstown Car Mfg. Co., Youngstown, O.

*Cars (Stripping)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Cars (Sugar Cane)

(See Cars, Plantation)

Cars (Tank)

American Car & Fdry Co., St. Louis, Mo.
Bettendorf Axle Co. (All Steel), Davenport, Ia.
BOWSER, S. F., & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Bryan, E. A. Co., First National Bank bldg, Chicago, Ill. Works: Harvey, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Erie Car Works, Erie, Pa.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
Milwaukee Car Mfg. Co., Milwaukee, Wis.
Ohio Ceramic Engineering Co., Cleveland, O.
Pressed Steel Car Co. (Steel), Pittsburg, Pa.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)

*Cars (Tie)

FAIRBANKS, MORSE & CO., Wabash ave. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

*Cars (Tipple)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

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Cars (Track Laying)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
FAIRBANKS, MORSE & CO., Wabash ave. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Gregg Co. (Ltd.), Newburgh, N. Y.
Kalamazoo R'y Sup. Co., Kalamazoo, Mich.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., 68 Broad, New York. (See adv. index & branch offices, end of book)
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ohio Ceramic Engineering Co., Cleveland, O.
Peacock's Iron Works, Selma, Ala.
Ramapo Iron Works, Hillburn, N. Y.
Sheffield Car Co., Three Rivers, Mich.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.

*Cars (Traction Engine)

ELECTRIC WHEEL CO. (Heavy Truck Cars), Quincy, Ill. (See adv. index, end of book)

Cars (Tram)

Bodley Wagon Co. (For Sugar Plantations), Memphis, Tenn.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chase Fdry. & Mfg. Co., Columbus, O.
Gregg Co. (Ltd.), Newburgh, N. Y.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Hendy, Joshua Iron Works, San Francisco, Cal.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
North Alabama Engineering Co., New Decatur,
Peacock's Iron Works, Selma, Ala. Ala.
Ramapo Iron Works, Hillburn, N. Y.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Truax Mfg. Co., 1725 Wazee, Denver, Col.
Union Iron Works (Inc.), Spokane, Wash.

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475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Cars (Transfer)

ATLAS CAR & MFG. CO., THE, 1289 Marquette Rd., N. E., Cleveland, O. (See adv. index, end of book)
Bonnot Company (Double Transfer), Canton, O.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Chase Foundry & Mfg. Co., Columbus, O.
Gregg Co. (Ltd.), Newburgh, N. Y.
Hathorn Fdry & Machine Co., Mason City, Ia.
Helmick Foundry & Machine Co., Fairmont, W.
Kent Machine Co., Kent, O. Va.
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, Ohio
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Morton Dry Kiln Co., Chicago, Ill.
North Coast Dry Kiln Co., Seattle, Wash.
Ohio Ceramic Engineering Co., Cleveland, O.
Peacock's Iron Works, Selma, Ala.
Pioneer Iron Works, William & King, Brooklyn, N. Y.
RUSSEL WHEEL & FOUNDRY CO. (Steel), Detroit, Mich. (See adv. index, end of book)
Treadwell, M. H. Co., 90 West, New York

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Wonham-Magor Eng'g Wks., 29 B'way, N. Y.

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Cars (Trolley Repair)

Sheffield Car Co., Three Rivers, Mich.

Cars (Tunnel)

Bettendorf Axle Co. (All Steel), Davenport, Ia.
Chase Foundry & Mfg. Co., Columbus, O.
Gregg Co. (Ltd.), Newburgh, N. Y.
Hendy, Joshua Iron Works, San Francisco, Cal.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg. Pittsburg, Pa. (See adv. index & branch offices, end of book)
Sheffield Car Co., Three Rivers, Mich.

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Cars (Velocipede)

(See also Cars, Inspection; also Cars, Motor Inspection)
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
Butterworth & Lowe (Narrow & Standard Gauge), Grand Rapids, Mich.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash ave. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Kalamazoo R'y Sup. Co., Kalamazoo, Mich.
Light Inspection Car Co., Hagerstown, Ind.
Sheffield Car Co., Three Rivers, Mich.
Starbuck's Sons Co., Mattoon, Ill.

Cars (Velocipede, Gasoline Motor)

(See Cars, Motor Inspection)

Cars (Warehouse & Factory)

(See Trucks, Store, Warehouse, Etc.)

Cars (Wrecking)

(See Cranes, Wrecking)

Cartridge Mfrs.

Austin Cartridge Co., Cleveland, O.
Chamberlain Cartridge & Target Co., Cleveland.
Peters Cartridge Co., Cincinnati, O. Ohio
Savage Arms Co., Utica, N. Y.
Union Metallic Cartridge Co. ("U. M. C."), 313 B'way, New York. Factory, Bridgeport, Conn.
U. S. Cartridge Co., 497 Pearl, New York. Factory: Lowell, Mass.
Western Cartridge Co., East Alton, Ill.
Winchester Repeating Arms Co., New Haven, Conn.

Carts (Barrel)

(See Carts, Hand & Barrel)

Carts (Coal)

Bodley Wagon Co., Memphis, Tenn.
Evans, F. H., 596 Kent av, Brooklyn, N. Y.
Lansing Wheelbarrow Co., Lansing, Mich.
Milburn Wagon Co., Toledo, O.

Carts (Concrete)

(See also Cars, Concrete)
Briggs Labor Saving Specialty Co., Waterloo, Iowa
Jackson Mfg. Co. ("Burwinkle"), Harrisburg, Pa.
KOEHRING MACHINE CO., Milwaukee, Wis. (See adv. index, end of book)
New York Concrete Machinery & Supply Co. ("Sterling" Roller Bearing), 78 Murray, New York
RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)
Sackett, H. B., Screen & Chute Co., 4210 State, Chicago, Ill.
SMITH, T. L., CO., THE, Majestic Bldg., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Sterling Wheelbarrow Co. ("Sterling" Roller-Bearing Wheels), Milwaukee, Wis.
Wallace-Lindesmith Hoist Co., Los Angeles, Cal.

Carts (Dumping)

(See also Wagons, Dumping)
Archer Iron Works Co., 164 Dearborn, Chicago, Ill.
Ames Plow Co., Quincy Hall, Boston, Mass.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Bodley Wagon Co., Memphis, Tenn.
Briggs Labor Saving Specialty Co. ("Lightning"), Waterloo, Ia.
Bugbee Chas. L., Hartford, Vt.
Coffax Mfg. Co., South Bend, Ind.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash ave. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fish Bros. Wagon Co., Racine, Wis.
Fort Smith Wagon Co., Fort Smith, Ark.
Great Western Mfg. Co., Leavenworth, Kan.
Hill, Thos. (Steel), 312 Henderson, Jersey City, N. J.
Horton Mfg. Co. (Brick Yard), Painesville, O.
Kentucky Wagon Mfg. Co., 3d c K, Louisville, Ky.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Luedinghaus-Espenschied Wagon Co., St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Racine, Wis.
Ohio Ceramic Engineering Co., Cleveland, O.
Owensboro Wagon Co., Owensboro, Ky.
Sanford, A. Logging Tool Co., Oshkosh, Wis.
Schuttler, Peter Co., 1200 W 22d, Chicago, Ill.
Senderling Mfg. Co., 540 Grand, Jersey City, N. J.
Sherman, I. N. W., 144 S Green, Chicago, Ill.
Smith & Sons Mfg. Co., Kansas City, Mo.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Sweet, B. F. & H. L. Co., Fond-du-Lac, Wis.
Tiffin Wagon Co., Tiffin, O.
Watson Wagon Co., Canastota, N. Y.
Wellington Machine Co. (Brick, etc.), Wellington, O.
Western Wheeled Scraper Co., Aurora, Ill.
White Hickory Wagon Mfg. Co., East Point, Ga.
Winona Wagon Co., Winona, Minn.
Wright, Thos. Co., Jersey City, N. J.
Zering, H. Mfg. Co., Cincinnati, O.

Carts (Garbage)

(See Wagons, Garbage, Etc.)

Carts (Hand & Barrel)

Arnold, D. J. C., New London, O.
Aubeuf, Frank J., Oneida, N. Y.
Belle City Mfg. Co., Racine, Wis.
Gendron Wheel Co., Toledo, O.
Hayes Pump & Planter Co., Galva, Ill.
Keystone Farm Machine Co. (With Combined Truck), York, Pa.
Kilbourne & Jacobs Mfg. Co. ("St. Louis," "Jubilee," "Buckeye," Hand), Columbus, O.
La Crosse Plow Co. (Barrell), La Crosse, Wis.
Lansing Wheelbarrow Co., Lansing, Mich.
Lean, Roderick Mfg. Co. ("Butler" Steel Hand Cart), Mansfield, O.
Monarch Road Roller Co. ("Monarch"), Groton, N. Y.
Myers, F. E., & Bro., Ashland, O.
Ohio Ceramic Engineering Co., Cleveland, O.
Puffer-Hubbard Mfg. Co. (Steel Wheel), Minneapolis, Minn.
Sandwich Mfg. Co., Sandwich, Ill.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Whitehurst, R. W. Co., Norfolk, Va.
Zering, H. Mfg. Co., Cincinnati, O.

Carts (Hose)

(See Hose Carriages & Carts)

Carts (Linemen's)

(See also Wagons, Linemen's; also Cars, Trolley Repair)
Dicke Tool Co., Downers Grove, Ill.
Whalen, J. B. Co., Sycamore, Ill.

Carts (Logging)

Bodley Wagon Co., Memphis, Tenn.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Sanford, A. Logging Tool Co., Oshkosh, Wis.
Schwartz, Jos. Co. (Ltd.), New Orleans, La.
Southern Hardware & Supply Co., Mobile, Ala.
White, F. W., Pearl River, La.

Carts (Nail)

Archer Iron Works Co., 164 Dearborn, Chicago, Ill.
Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis.

Carts (Pickup or Beam)

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv index & branch offices, end of book)
Kilbourne & Jacobs Mfg. Co., Columbus, O.

Carts (Push)

(See Carts, Hand & Barrel)

Carts (Railroad)

Ames Plow Co., Quincy Hall, Boston, Mass.
Bain Wagon Co., Kenosha, Wis.
Bodley Wagon Co., Memphis, Tenn.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Luedinghaus-Espenschied Wagon Co., 1713 N B'way, St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Studebaker Bros. Mfg. Co., South Bend, Ind.

Carts (Road Spreading)

American Road Machine Co. (For Spreading Road Materials for Macadam Roads), Kennett Square, Pa.
Eagle Wagon Works, Auburn, N. Y.
Good Roads Machinery Co., Kennett Square, Pa.
Port Huron Engine & Thresher Co. (Also Wagons), Port Huron, Mich.

Carts (Sprinkling)

(See also Street Sprinkling Carts & Wagons)
Port Huron Engine & Thresher Co., Port Huron, Mich.
Milwaukee Wagon Co., Toledo, O.
Studebaker Bros. Mfg. Co., South Bend, Ind.

Carts (Transfer)

Bodley Wagon Co. (Up to 14 feet Height of Wheels), Memphis, Tenn.

Carvers (Stone)

Ellin, Kitson & Co., 25th & N. R., New York
Entress, Albert, 599 Main, Hartford, Conn.
Evans, John & Co., Boston, Mass.
Lanter, Chas., 451 W 28th, New York
Miranda, Fernando, 16 W 101st, New York
Nygard, Alfred F., 68 Cass, Detroit, Mich.
Phelps, Richard B., 9th nr R. I., N. E., Washington, D. C.
Richard, L. (Arch'l), 110 West End av, New York
Rochette & Parsini, 719 1st av, New York
Schellentrager, Louis F., Seneca & Long, Cleveland, O.
SEIFERT, FRANK A., PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Smith, Jos. & Co., 428 E 23d, New York
Van Malderen, F. T., Ann & Jumonville, Pittsburg, Pa.

Carvers, Wood (Classic)

American Carving & Mfg. Co., 900 Granville av, Grand Rapids, Mich.
ARCHITECTURAL DECORATING CO., 643 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Brown, O. L., 136 Dorrance, Providence, R. I.
Buchner, A. & Co., 220 N 2d, St. Louis, Mo.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
Dowler, Chas., 581 Smith, Providence, R. I.
Dux, Jos., 132 W Jackson boul, Chicago, Ill.
Ellin, Kitson & Co., 13th av, c W 25th, New York
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Evans, John & Co., Boston, Mass.
Gossert, Henry, 320 Harmony, Phila., Pa.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
Grand Rapids Wood Carving Co., Grand Rapids, Mich.
Haigermoser, Jos., 250 Randolph, Detroit, Mich.
Hartmann, Malcom Co., 13 N Jefferson, Chicago, Ill.
Holmes, Jos., 655 E 6th, Boston, Mass.

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Lamb, J. & R. (Inc.), 25 6th av, New York
Nelson, C. T. Co., 323 Dublin av, Columbus, O.
Nygard, Alfred F., 68 Cass, Detroit, Mich.
Peirce, W. E. & Co., Milford, N. H.
Pride, Willis A., 43 Bristol, Boston, Mass.
Richard, Louis, 110 West End av, New York
Riechy, Frank, 65 14th, Newark, N. J.
Rochette & Parzini, 719 1st av, New York
Root, C. R., 104 Asylum, Hartford, Conn.
Schellentrager, Louis F. Seneca & Long, Cleve-
Schneider, F. H., Syracuse, N. Y. land, O.
STEARNS, A. T. LUMBER CO., Ne-
ponset, Boston, Mass. (See adv. index, end
Thomas & Co., Worcester, Mass. of book)
Van Malderen, F., Ann & Jumonville, Pitts-
burg, Pa.
Waddell Mfg. Co., Grand Rapids, Mich.

Case Hardening

(See also Compounds, Case Hardening & Tempering)

Boston Gear Works, Norfolk Downs, Mass.
COES, LORING & CO. (Inc.), Wor-
cester, Mass. (See adv. index, end of book)
Crosby Co., 171-189 Pratt, Buffalo, N. Y.
Durbrow & Hearne Mfg. Co., 12 Wooster, New
York
Dyson, Jos. & Son (Also Annealing & Carboniz-
ing), Cleveland, O.
WORCESTER PRESSED STEEL CO.,
Worcester, Mass. (See adv. index, end of
book)

Casein

Casein Co. (of America), 11 Pine, New York
Hamilton Co., 16 S William, New York
Union Casein Co., Philadelphia, Pa.

Cases (Egg)

Holley-Matthews Mfg. Co., Silkeston, Mo.

Cases (Gear)

BLISS, E. W. CO., 19 Adams, Brook-
lyn, N. Y. (See adv. index, end of book)
Columbus Machine Works & Malleable Iron
Co. (Made of Pressed Steel), 269 Chestnut,
Brooklyn, N. Y.
JEFFREY MFG. CO., Columbus, O.
(See adv. index & branch offices, end of book)
Lyon Metallic Mfg. Co. ("Lyon" Sheet Steel),
Aurora, Ill.
Phila. Electrical & Mfg Co. ("Pemco" Malle-
able Iron), 1232 N 31st, Phila., Pa.

*Cases (Railroad Ticket)

AMERICAN RAILWAY SUPPLY CO.,
26 Park pl., New York. (See adv. index,
end of book)

Cases (Steel Bottle)

American Steel Package Co., Defiance, O.

Cases (Suit)

(See Traveling Bags & Suit Cases)

*Cases (Twist Drill)

WHITMAN & BARNES MFG. CO., Chicago,
Ill. (See adv. index & branch offices,
end of book)

Cases (Wall)

(See Boxes, Switch.)

Cash Carriers

Acme Cash Railway Co. ("Acme," Basket or
Parcel Carriers), New Haven, Conn.
Auld, F. L., Cambridge, Mass.
Baldwin, Jas. L. & Co. ("The Flyer"), 277
Madison, Chicago, Ill.
Barr Cash & Package Carrier Co., Mansfield, O.
Bilt-Rite Co., 322 3d av S, Minneapolis, Minn.
Burgess, E. A. (Est. of) (also Bundle Carriers),
New Haven, Conn.
Independent Cash Carrier Co. (Cable Sys-
tem), Springfield, Mass.
Lamson Consolidated Store Service Co., 161
Devonshire, Boston, Mass.
Taisey Pneumatic Service Co., Indianapolis, Ind.
Universal Pneumatic Transmission Co., 135
Adams, Chicago, Ill.

Cash or Money Drawers

Chicago Scale Co., 394 W Jackson boul, Chi-
Fernald Mfg. Co., North East, Pa. cago, Ill.
Nashua Till Co. (Alarm Tills), Nashua, N. H.
Presbrey & Son (Alarm Money Till), Provi-
dence, R. I.
Quincy Show Case Works (Alarm or Gong),
Quincy, Ill.
SUN MFG. CO. (Domestic, English
& German), Columbus, O. (See adv. index,
end of book)
Thomas-Peter Co. (Sheet Metal), Canton, O.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Wood, E. O., Nashua, N. H.

Casing (Oil Well)

(See Pipe & Tube Mills.)

*Casings (Metal)

AMERICAN METAL DOOR CO.,
Jamestown, N. Y. (See adv. index, end of
book)
DAHLSTROM METALLIC DOOR CO.,
Jamestown, N. Y., & 299 B'way, New York.
(See adv. index & branch offices, end of book)

Casings (Steam Pipe)

(See also Pipe, Wooden)

American District Steam Co., Lockport, N. Y.
Michigan Pipe Co., Bay City, Mich.
Puget Sound Pipe Co., Olympia, Wash.
Washington Pipe & Foundry Co., Tacoma,
Wash.
WYCKOFF, A. & SON CO. (Wyckoff
Patent Waterproof Wood), Elmira, N. Y.
(See adv. index, end of book)

Casings (Steel Elevator)

Caldwell, H. W. & Son Co., 17th & Western av,
Chicago, Ill.

Cast Iron Brazing

A. & J. Mfg. Co. ("Brazison"), 24 W Ran-
dolph, Chicago, Ill.
American Terrofle Bronzing Co., Perry bldg,
Phila., Pa.
Castolin Co. of America, Wright bldg, St.
Louis, Mo.
Ferrofix Brazing Co., Arcade bldg, Phila., Pa.
Hauck Mfg. Co., 140 Cedar, New York.
MACLEOD, WALTER, & CO., 213 E. Pearl,
Cincinnati, O. (See adv. index, end of
book)
M. & W. Brazing Co., 418 S. Charles, Balti-
more, Md.
New York Brazing Co. ("Ferrofix"), 196 11th
av, New York
Reinforced Brazing & Mach. Co., Pittsburg, Pa.
Standard Brazing Co., 88 Broad, Boston, Mass.

Cast Iron Filler

(See Cements, Iron Filler; also Cements, Iron & Steel)

Cast Iron Fittings (Green House)

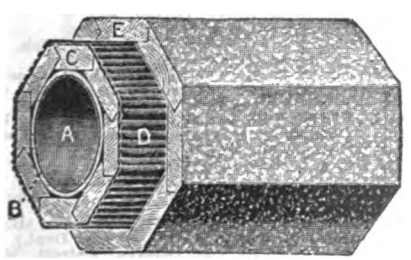
(See Fittings, Green House)

Cast Iron Pipe (High Pressure)

Coldwell-Wilcox Co. (for Steam or Water),
Newburgh, N. Y.
Wood, R. D. & Co. (for Fire Protection), 400
Chestnut, Phila. Pa.

Cast Iron Pipe Mfrs. (Gas & Water)

American Car & Foundry Co. (3 to 42
42 inches), 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Cast Iron Pipe Co. (Hub & Spigot
Pipe & Fittings), Birmingham, Ala.
Builders' Iron Foundry (Also Fittings of All
Kinds for Same), Providence, R. I.
CENTRAL FOUNDRY CO. ("Univer-
sal;" also Ammonia & Steam), 37 Wall,
New York. (See adv. index, end of book)
Clow, James B. & Sons (2 to 48-inch), Chicago
Colorado Fuel & Iron Co. (8 to 20 inch), Den-
Dimmick Pipe Co., Birmingham, Ala. ver, Col.
Donaldson Iron Co. (1½ to 20-inch), Emaus, Pa.
Drummond Iron Works (Ltd.), Reading, Pa.
Drummond, M. J. & Co., 182 B'way, New York
Fox, Jno. & Co. (Mfrs. Agts.), 523 B'way, N. Y.
General Fire Extinguisher Co., Providence, R. I.
Glamorgan Pipe & Foundry Co. (1½ to 36-
inch), Lynchburg, Va.
Lynchburg Foundry Co., Lynchburg, Va.
McMANN & TAYLOR (Jobbers), 104
John, New York. (See adv. index, end of
book)
McWane Pipe Works (Lynchburg Foundry Co.,
Props.), 220 B'way, New York
Massillon Iron & Steel Co. (Also Flange Pipe
& Fittings), Massillon, O.
Nelsonville Fdry & Mach. Co., Nelsonville, O.
Oregon Iron & Steel Co. (4 to 32-inch), Port-
land, Ore. Works: Oswego, Ore.
Sheffield Cast Iron Pipe & Foundry Co., Shef-
field, Ala.
Standard Cast Iron Pipe & Foundry Co.,
114 N Broad, Phila. Works, Bristol, Pa.
U. S. Cast Iron Pipe & Foundry Co. (Gas &
Water, Sewer & Culvert, 3 to 72-inch),
71 B'way, New York



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Utica Pipe Foundry Co. (3 to 30 inch), Charles Millar & Son Co. (Selling Agts.), Utica, N.Y.
Virginia Pipe & Foundry Co., Richmond, Va.
Warren Foundry & Machine Co. (24 to 48-in.), Phillipsburg, N. J., & 170 B'way, New York
Washington Pipe & Fdry Co., Tacoma, Wash.
Wood, R. D. & Co. (1 to 72-in.), 400 Chestnut, Philadelphia Pa.

Cast Iron Soil Pipe & Fittings Mfrs.

(For Jobbers of these Goods, see Plumbers' Supplies, Jobbers)

Abendroth Bros. (Corp.) (2 to 8-inch), 109 Beekman, New York
American Foundry & Pipe Co. (3 to 12-inch), Park bldg, Pittsburg, Pa. Works: Penn Station, Pa.
Beggs Pipe & Foundry Co., Birmingham, Bessemer Soil Pipe Co., Bessemer, Ala. Ala.
Birmingham Pipe & Casting Co. (2 to 12 inch), Birmingham, Ala.
Campbell Mfg. Co., Gadsden, Ala.
Casey-Hedges Co., Chattanooga, Tenn.
Cedar Rapids Pump Co., Cedar Rapids, Iowa
CENTRAL FOUNDRY CO. (All Sizes), 37 Wall, New York. (See adv. index, end of book)
Charlotte Pipe & Foundry Co., Charlotte, N. C.
Colwell Lead Co., 109 Lafayette, New York
Coosa Pipe & Foundry Co., Birmingham, Ala. Works, Gadsden, Ala.
Crown Pipe & Foundry Co. (Uu to 8 inches), Jackson O.
Enterprise Foundry Co., Rochester, N. Y.
Essex Foundry, Newark, N. J.
Estabrook's, E. Sons ("Sisson" Inseparable Joint), 204 W 1st, S. B., Boston, Mass.
Franklin Pipe & Foundry Co., 1155 S Paulina, Chicago, Ill.
Gadsden Pipe & Fittings Co., Birmingham, Ala. Works, Gadsden, Ala.
General Fire Extinguisher Co., Providence, R. I.
Glenn Mfg. Co. (Extra Heavy Pipe only and Complete Line of Fittings, Standard & Heavy), St. Charles, Ill.
Haines, Jones & Cadbury Co., 1186 Ridge av., Hallman Oliver, Mont Clair, Pa. Phila, Pa.
Hercules Iron & Supply Co., Commercial & Hanover, Boston, Mass., & Anniston, Ala
High Point Pipe & Fdry Co., High Point, N. C.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Independent Foundry Co., Lancaster, Pa.
Iowa Mfg. Co., Oskaloosa, Ia.
McVay & Walker, Braddock, Pa.
Medina Foundry Co., Medina, N. Y.
Mitchell & Van Meter Co., Phila. Bourse, Phila., Pa.
Mott, J. L. Iron Works, 118 5th av, New York
National Foundry Co. (2 to 10-inch), 32 Sanford, Brooklyn, N. Y.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
North Western Foundry & Supply Co., Orleans nr Grand boul, Detroit, Mich.
Reading Scale & Machine Co. (Extra Heavy), Reading, Pa.
Ronalds & Johnson Co. (2 to 15 inches), 54 Cliff, New York
Seaboard Pipe Foundry Co., Savannah, Ga.
Southern Pipe & Foundry Co., Birmingham, Ala.
Stockham Pipe & Fittings Co., Birmingham, Ala.
Union Foundry Co. ("U. F. Co."), Anniston, Ala.
Utica Pipe Foundry Co. 2 to 6-inch), Charles Millar & Son Co., Selling Ag'ts, Utica, N. Y
Vincennes Pipe & Casting Co., Vincennes, Ind.
Wetter, H. Mfg. Co., Memphis, Tenn. Works: South Pittsburg, Tenn.
Wolff, L. Mfg. Co. (2 to 12-inch), 117 W Lake, Chicago, Ill.

*Casteen

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Casters

Clark Caster Co., Plainville, Conn.
Coleman Hardware Co. (Furniture, Stoves, etc.), 168 Michigan av, Chicago, Ill.
COLUMBIA BALL CASTER CO. ("Columbia" Revolving Steel Ball, Stem Plate, etc.), 163 E Randolph, Chicago, Ill. (See adv. index, end of book)
Duer, Jno. & Sons (Furniture), Baltimore, Md.
Faultless Caster Co. (Leather Wheel, Glass Insulating, etc.), Nebraska City, Neb.
Fiset, Michael (Soft Rubber Furniture, etc.), Albany, N. Y.
Fishburn, J. J. & Son ("Columbia"), 40 Dearborn, Chicago, Ill.
Foster, Merriam & Co. ("Victor," Furniture, Truck, etc.), Meriden, Conn.
Grand Rapids Stove Co. (Furniture, etc.), Grand Rapids, Mich.
Loeffehols Co. ("Nonesuch" Furniture & Trunk Rollers), Milwaukee, Wis.
National Caster Co. (Piano, Refrigerator, etc.), Hamilton, O.
National Supply Co. (Furniture, Bed, etc.), 7 W Lombard, Baltimore, Md.
Nickel Mfg. Co. ("Stamped Steel, Grip Neck") Morris, Ill.
Payson Mfg. Co. (Anti-Friction), 1319 W Jackson boul, Chicago, Ill.
Phoenix Caster Co. (Furniture, etc.), Indianapolis, Ind.
Rochester Caster & Tool Co., Rochester, N. Y.
Schatz Mfg. Co. ("Acme" Ball Bearing), Chappaqua, N. Y.
Schriver, O. P. & Co. (Common Sense Anti Friction Furniture & "Hercules" Truck Cast & Malleable Iron), Cincinnati, O.
Schenck, M. B. Co. ("Yale & Gem" Roller Bearing Furniture & Truck), Meriden, Conn.
Stengel Mfg. Co. (Furniture, etc.), Hamilton, O.
Tucker & Dorsey Mfg. Co. ("Martin," "Tucker," "Boss" & "Stengel," Furniture, Casters), Indianapolis, Ind
Universal Caster & Foundry Co. (Ball-Bearing Piano, Bedstead, Furniture, etc.), 1170 B'way, New York. Factory: Newark, N. J
Wrightsville Hardware Co. (Furniture, etc.), Wrightsville, Pa.

Casters (Truck)

Arnold Co., Norwalk, Conn.
Dearborn Hardware Mfg. Co., Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
National Caster Co. (Casters & Wheels, Rubber Tired), Hamilton, O.
Reading Hardware Co., Reading, Pa.
Stearns, E. C. & Co., Syracuse, N. Y.
Tucker & Dorsey Mfg. Co. (Also Furniture, etc.), Indianapolis, Ind.
Universal Caster & Foundry Co., 1170 B'way, New York. Factory: Newark, N. J.
Zering, M., Mfg. Co. (Ball Bearing), Cincinnati, O.

Castings (Air Furnace)

American Foundry & Construction Co., 4716 2d av, Pittsburg, Pa.
American Roll & Foundry Co., Canton, O.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa
Buffalo Foundry & Machine Co. (Up to 200 Tons), Buffalo, N. Y.
Builders' Iron Foundry (Gun Iron Air Furnace), Providence, R. I.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Chambersburg Engineering Co. (Up to 100 tons), Chambersburg, Pa.
Dimmick Pipe Co., Birmingham, Ala.
Fischer Foundry & Machine Co. (Light & Heavy), Ford City, Pa.
Lakeside Malleable Castings Co. (Malleable Iron), Racine, Wis.
Lehigh Foundry Co. (Up to 50 Tons), Fuller-Mesta Machine Co., Pittsburg, Pa.
Ohio Machine Co., Middleport, O. ton, Pa.
Phila. Roll & Machine Co. (Heavy), S 23d & Washington av, Phila., Pa.
Reading Iron Co., Reading, Pa.
Solid Steel Casting Co., Chester, Pa.
Sterlingworth Railway Supply Co., North American bldg., Phila., Pa. Works, Easton, Pa.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
Wisconsin Malleable Iron Co., Milwaukee, Wis.

Castings (Aluminum)

Acorn Brass Mfg. Co., 203 Fulton, Chicago, Ill.
Allyne Brass Foundryy Co., Buffalo, N. Y.
Aluminum Co. of America, Pittsburg, Pa.
Aluminum Foundry Co., Manitowoc, Wis.
American Brass & Aluminum Co., Indianapolis, Ind.
Anderson, A. H., 52 N Ann, Chicago, Ill.
Angus, C. H., Co., Albany, N. Y.
Attwood Brass Works (Heavy), Grand Rapids, Mich.
Bastian, C. L. Mfg. Co., Chicago, Ill.
Bay State Brass Foundry, 155 A, S Boston, Mass.
Beaver Valley Metal Co., New Brighton, Pa.
Best Light Co., Canton, O.
Bird Brass Works, Fort Worth, Tex.
Brass Foundry & Heating Co., Peoria, Ill.
Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
Brighton Brass & Bronze Co., Pittsburg, Pa.
Buckeye Brass Foundry, Cleveland, O.
Buckeye Brass Foundry, Vine & Armstrong, Columbus, O.
Buckeye Iron & Brass Works, Dayton, O.
Buescher Band Insrument Co., Elkhart, Ind.
Builders' Iron Foundry (Light & Heavy), Providence, R. I.
Cadman, A. W. Mfg. Co., 2814 Smallman av, Pittsburg, Pa.
Capitol Brass Works, Detroit, Mich.
Capital Brass Works, Detroit, Mich.
Chambers & Ainslee, Newark, N. J.
Champion Brass Works, Coldwater, Mich.
Champion Safety Lock Co., Geneva, O.
Chapman, J. B. & Co., Springfield, Mass.
Chicago Hardware Foundry Co., North Chicago, Ill.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Brass Foundry Co., Cleveland, O.
Clum & Atkinson, Rochester, N. Y.
Crown Smelting Co., Chester, Pa.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Motor Castings Co., Detroit, Mich.
Detroit Shipbuilding Co. (Brass Dept.), ft. of Orleans, Detroit, Mich.
Eastwood Wire Mfg. Co. (¼ oz. to 20,000 lbs.), Belleville, N. J.
Eclipse Foundry Co., Crawford, Detroit, Mich.
Elyria Machine Parts Co., Elyria, O.
Enterprise Foundry Co., Detroit, Mich.
Enterprise Foundry Co., 48 Olean, Rochester, N. Y.

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COLUMBIA BALL CASTERS

They Roll

Always Forward
Without Jar or Vibration
Not Too Easy—Just Easy Enough



No. 551



No. 555

Patent applied for



No. 561

They Save

Carpets and Rugs
Delicate Furniture
Walls and Coverings
Your Temper

Columbia Ball Caster Company

163 East Randolph St., Chicago, U. S. A.

Hendricks' Commercial Register

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Hendricks' Commercial Register

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Eureka Tempered Copper Works, North East
Everhard Brass Works, Scranton, Pa.
Eynons-Evans Mfg. Co., 15th & Clearfield, Phila., Pa.
Fairfield Aluminum Foundry, Southport, Conn.
Frain, E. T., Lock Co., Lancaster, Pa.
Franklin, H. H. Mfg. Co., Syracuse, N. Y.
Fries & Co., 91 Main, Buffalo, N. Y.
Graham, Jas. & Co., New Haven, Conn.
GRISCOM-SPENCER CO., 90 West, New York, & ft Washington av, Philadelphia, Pa. (See adv. index & branch offices, end ofbook)
Hackett Bros., Detroit, Mich.
Halstead & Co., 1129 Cherry, Philadelphia, Pa.
Hampden Brass Co., Springfield, Mass.
Hardoin, Nicholas, 132 E Larned, Detroit, Mich.
Hardware & Woodenware Mfg. Co. (Small), 826 B'way, New York
Hauck Mfg. Co., 822 W Pearl, Cincinnati, O.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
HELWIG MFG. CO., St. Paul, Minn. (See adv. index, end of book)
Hendryx, Andrew B. Co., New Haven, Conn.
Henry-Bonnard Bronze Co., Sales Office, 5 & 7 E 42d, N. Y. Works, Mount Vernon, N. Y.
Hercules Float Wks, Springfield, Mass.
Hewitt, John Foundry Co., East Newark, N. J.
Higgins & Co., Holyoke, Mass.
Hoban Brass Fdry Co., 44 Wyandot, Dayton, O.
Holbrook-Armstrong Iron Co. (Light & Heavy), Racine, Wis.
Holton & Weatherwax Co. (L. & I.), Jackson, Mich.
Hughes Bros., Scranton, Pa.
Ideal Bronze Co., Cleveland, O.
Imperial Brass Mfg. Co., 245 S Jefferson, Chicago, Ill.
Indianapolis Aluminum & Brass Co., Indianapolis, Ind.
Jamestown Metal Furniture Co., Jamestown, N. Y.
Jenkins Mfg. Co., Bloomfield, N. J.
Johnson Service Co., Milwaukee, Wis.
Jones, Jas. Co., Los Angeles, Cal.
Kells Foundry & Machine Co., Adrian, Mich.
Keystone Bronze Co., 38th & A. V. Ry., Pittsburg, Pa.
Killing, E., Moulding Machine Works, Davenport, Ia.
Kingsland-Kay-Cook Mfg. Co., St. Louis, Mo.
Langenkamp-Wheeler Brass W'ks, 1208 Shelby, Indianapolis, Ind.
Leslie Co. (Inc.), (Bronze), Lyndhurst, N. J.
Levett, Walker M., 462 10th av, New York
Liberty Brass Works, Baltimore, Md.
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCafferty, J. H. & Co., Boston, Mass.
McCartney, Josiah, Bay City, Mich.
McHatton Smelting Co., 1500 Washington av, Philadelphia, Pa.
Mansfield Tempered Copper Co., Mansfield, O.
Mayo Damper Co., Pottstown, Pa. (Also Brass & Bronze)
Merkel-Light Motor Co., Pottstown, Pa.
Messmer, Ferd. Mfg. Co., St. Louis, Mo.
Midland Brass Works, Fort Worth, Tex.
Milwaukee Aluminum & Brass Co., Milwaukee, Wis.
Minneapolis Brass & Iron Mfg. Co., 116 1st av, N, Minneapolis, Minn.
Mousley, Chas. & Sons, 457 N 12th, Philadelphia,
Newell, Fred E., Central Falls, R. I. Pa.
Oberdorfer, M. L. Brass Co., Syracuse, N. Y.
Ohio Brass Co., Mansfield, O.
Osburn Foundry Co., 74 Fort, E. Detroit, Mich.
Philadelphia Hardware & Malleable Iron Works (Inc.), 9th & Jefferson, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
Pittsburg Brass Mfg. Co., Pittsburg, Pa.
Providence Brass & Aluminum Co. (1 Grain to 1000 Pounds; also Aluminum Bronze), Providence, R. I.
Reeves, Paul S. & Son, 1413 Catharine, Phila., Pa.
Rempis & Gallmeyer Foundry Co., Grand Rapids Mich.
Richardson, Bdro, 316 N Holliday, Baltimore.
Roberts & Norton, Utica, N. Y. Md
Rowell, W. G. & Co., Bridgeport, Conn.
Ruggles Machine Co., Poultney Vt.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill
ST. PAUL FOUNDRY CO., Como av. & Mackubin, St. Paul, Minn. (See adv. index, end of book)
Seovill Mfg. Co., Waterbury, Conn.
Sheeler-Hemaker Co., 811 Fairmount av, Phila.,
Sherwood Brass Works, Detroit, Mich. Pa
Sherwood Mfg. Co., Buffalo, N. Y.
Shriver, T. & Co., Harrison, N. J.
SMITH, F. P., WIRE & IRON WORKS, 160 Lake, Chicago, Ill. (See adv. index, end of book)
Springfield Brass Co., Springfield, O.
Stover Mfg. Co., Freeport, Ill.
Syracuse Aluminum & Bronze Co., Syracuse, N. Y.
Turner Brass Works, Sycamore, Ill.
Union Brass Foundry Co., Lowell, Mass.
U. S. Aluminum Casting Co., Cincinnati O.
U. S. Aluminum Co., Pittsburg, Pa.
U. S. Bronze Co., 1831 Columbus rd, N W. Cleveland, O
Waltham Foundry Co., Waltham, Mass.
Waterbury Brass Goods Corpn., Waterbury, Conn.
Wells Chemical Bronze Works, Worcester, Mass.
WHEELER, CHARLES CHILD (All Sizes), 113 B'way, New York. (See adv. index, end of book)
Williams, E. A. & Son, 105 Plymouth, Jersey City, N. J.
Zero Valve & Brass Mfg. Co., 417 Chicago, Buffalo, N. Y.

Castings (Automobile)

(See also Castings, Various Kinds)

Acme Steel & Malleable Iron Works (Steel & Malleable Iron), Buffalo, N. Y.
AMERICAN BRAKE SHOE & FOUNDRY Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Auburn Foundry Co., Auburn, Ind.
Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
Canton Brass Co. (Brass, etc.), Canton, O.
Chicago Steel Foundry Co. (Vanadium Steel), Rookery bldg, Chicago, Ill.
CHISHOLM & MOORE MFG. CO., (Malleable Iron), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Clum & Atkinson, Rochester, N. Y.
Cramp, Wm. & Sons Ship & Engine Building Co., Phila., Pa
Crucible Steel Casting Co. (Chrome, Nickel, Vanadium Steel), Lansdowne, Pa.
Ensign Foundry Co., Toledo, O.
Edna Smelting & Refining Co., Brass), 525 Reading rd, Cincinnati, O., & Monadnock blk, Chicago, Ill.
Globe Malleable Iron Co. (Malleable Iron). Syracuse, N. Y
Hardy, Wm. A. & Sons Co. (Brass & Bronze). Fitchburg, Mass
Hopson & Chapin Mfg. Co. (Cast Iron), New London, Conn
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Manufacturers' Foundry Co. (Grey Iron Cylinders; also for Motor Boats), Waterbury, Conn.
MERCHANT & EVANS CO. (Inc.) (Iron Cylinder Castings), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Michigan Crucible Steel Casting Co. (All Kinds of Light Crucible Steel), Detroit, Mich.
Michigan Motor Casting Co., Flint, Mich.
Norwalk Brass Co. (of all Composition Metals), Norwalk, Conn.
Ohio Malleable Iron Co. (Malleable Iron), Columbus, Ohio.
Reed Mfg. Co. (Crucible Steel), Kalamazoo, Mich.
Reedy Foundry Co., 91 Illinois, Chicago, Ill.
Rogers, C. E. (Aluminum), 34 Beach, Boston, Mass.
Susquehanna Casting Co., Wrightsville, Pa.
Syracuse Aluminium & Bronze Co., Syracuse.
Trumbull Mfg. Co., Warren, O. N. Y
U. S. Aluminum Castings Co. (Aluminum), Cincinnati, O.
U. S. Aluminum Co., Pittsburg, Pa.
Walker Foundry Co. (Grey Iron), Erie, Pa.
Wetherill Finished Casting Co., Phila., Pa.
WHEELER, CHARLES CHILD 113 B'way, New York. (See adv. index, end of book)
Whiteley Malleable Castings Co. ("Whiteley's Crown" Steel), Muncie, Ind.
Whitely Steel Co. (Cast Steel), Muncie, Ind.

Castings (Bake Oven)

Fischer, Henry C., 234 Greene, Brooklyn, N. Y.
Spangler, Chas., Allentown, Pa.

Castings (Boiler)

(See Boiler Fronts & Castings)

Castings (Brass)

(For all Brass Founders not found under this heading see Machinists & Founders marked with a (§) Section Mark)

See also Castings, Bronze;
Castings, Copper;
Castings, Manganese Bronze;
Castings, Phosphor Bronze;
Bearings of Various Kinds;
Bell Founders;
Plumbers' Brass Goods;
Valve Mfrs.

ALABAMA.

BIRMINGHAM—Ajax Metal Co. of the
Anderson, G. L. South
Gilb, V. & Co.
CULLMAN—Ehrensperger, H.
MOBILE—Alabama Iron Works (also Iron)
MONTGOMERY—Janney & Co. (also Iron)
NORTH BIRMINGHAM—Birmingham Novelty Works), Light, Fine Castings)

ARKANSAS.

LITTLE ROCK—Thomas-Fordyce Mfg. Co.
Wing & Stephens Co.

CALIFORNIA.

LOS ANGELES—Acme Brass Foundry Co.
Axelson Machine Co.
Bailey Ornamental Iron Co. (Iron & Brass)
Fulton Engine Works
Hutchison, W. G. Co.
Jones, Jas. & Co.
Llewellyn Iron Works
Los Angeles Stove Co.
McCan Mechanical Works
Meyberg Co.
OAKLAND—Phoenix Iron Works (Inc.)
REDDING—Redding Iron Works
RIVERSIDE—Riverside Foundry & Machine Co.
SACRAMENTO—Sacramento Foundry & Ma-
Union Iron Works chine Works
SAN FRANCISCO—Atlas Brass Works, 827
Bartels Mill & Moulding Co. Folsom
Enterprise Foundry (Inc.), 2902 19th
Garratt, W. T. Co. (Inc.), 140 Fremont
Greenberg's M. Sons, 225 Beale
Kingwell, Vincent, 1038 Mission
Krenz, Oscar Copper & Brass Works, 212 Fremont
San Francisco Zinc & Brass Foundry Co., 48 Clementina
Tay, Geo. H., Co., 617 Mission.
Union Iron Works, 20th & Michigan.
Western Brass Works, 20 Natoma

COLORADO.

COLORADO SPRINGS—Hassell Iron Works Co.
DENVER—Denver Brass Works Co., 1307 Law-
Denver Iron Works & Foundry Co. rence
Flint-Lomax Electric & Mfg. Co., 1400 Del-
McNamara, J. C., 1431 Blake gany
Slack, B. F., Brass Mfg. Co.
Western Brass Works Co.
PUEBLO—Ortner, Geo. J.
Pueblo Foundry & Machine Co.

CONNECTICUT.

ANSONIA—Ansonia Brass Foundry Co.
Ansonia Brass & Copper Co.
Gaylord, F. L. Co.
Phelps, H. D.
BRIDGEPORT—Belknap Mfg. Co.
Bridgeport Brass Co.
Bridgeport Deoxidized Bronze & Metal Co.
Donovan, P. J. Brass Foundry Co.
Eaton, Cole & Burnham Co.
Hamilton, Jno. Brass Works
Rowell, W. G. Co.
BRISTOL—Bristol Brass Co., Bristol, Conn.
GUILFORD—Spencer's, I. S., Sons.
HARTFORD—Blake, Edwin J.
Capitol Foundry Co.
Craig, Jno. M.
Howard, Jas. L. & Co.
Pratt & Cady Co.
MERIDEN—Foster-Merriam Co.
Meriden Iron & Brass Co.
Miller, Edw. & Co.
MIDDLETOWN—Chapman, W. H. Co.
McAllister, Frank
Wilcox, Crittenden & Co.
MOUNT CARMEL—Woodruff, Walter W. & Sons Co.

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NAUGATUCK—Russell, J. M. Mfg. Co.
NEW BRITAIN—Flannery, P. J.
Kinne, W. A.
Osborne, George H.
Roche & Conlin.
NEW HAVEN—Ely, C. U.
English & Mersick Co.
Graham, Jas. & Co.
Hendryx, Andrew B. Co.
Ives, Hobart B. Co.
Magnus Metal Co., 248 Cedar
Peck Bros. & Co.
Sargent & Co.
NEW LONDON—New London Marine Iron Works
NORWALK—Norwalk Brass Co.
NORWICH—Tracy, C. Oscar
PLAINVILLE—Clark, A. N. & Son (to order)
Carter, E. T.
Carter, L. H.
Elm City Brass & Rivet Co.
SHELTON—Meyers, Fred'k (Also Iron).
STAMFORD—Brown, Chris
Stamford Iron & Brass Foundry
STONINGTON—Miller's, A. B. Sons
TORRINGTON—TURNER & SEYMOUR Mfg. Co. (See adv. index, end of book)
UNION CITY—Metal Finishing Co.
WATERBURY—American Pin Co.
Manufacturers Foundry Co.
Matthews & Willard Mfg. Co.
Novelty Mfg. Co.
Scovill Mfg. Co.
Steele & Johnson Mfg. Co.
Waterbury Brass Co.
Waterbury Brass Goods Corpn.
Waterbury Mfg. Co.
WINSTED—Moore, Franklin Co.

DELAWARE.

WILMINGTON—Remington Machine Co.
Speakman Supply & Pipe Co.
Wilmington Brass Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Douglas, Wm. H., 1210 E. N W
Somerville, Thos. Co., 316 13th, N W

FLORIDA.

JACKSONVILLE—McMillan Bros.

GEORGIA.

ATLANTA—Fulton Foundry & Machine Works
Withers Foundry & Machine Works
CORDELE—Tomlin-Harris Machine Co.
SAVANNAH—Kehoe, Wm. & Sons
Rourke, John & Sons

ILLINOIS.

AURORA—Aurora Metal Co.
CHICAGO—Acme Metal Mfg. Co., 68 W Monroe
Acorn Brass Mfg. Co., 203 Fulton (Also Aluminum & Iron)
Adams & Westlake Co. c Ontario & Franklin
Allen, W. D. Mfg. Co., 151 Lake
American Bronze Foundry Co., 73d & Woodlawn av
Anderson, A. H. (Light & Heavy), 52 N
Anderson Bros., 434 Fulton Ann
Anderson, Wm. B. Foundry Co., 28 S Clinton
Babbitt, R. M. Brass Foundry Co., 67 W Washington
Bastian, C. L. Mfg. Co., 76 Illinois
Burdette-Rowntree Co., 85 W Jackson boul
Chicago Faucet Co., 200 S Clinton
Chicago Hardware Foundry Co., 50 W Washington
Chicago Nut Co., 118 W. Jackson boul
Eddy Brass Foundry & Machine Co., 72 W Washington
Empire Brass Works, 127 Fulton
Excelsior Mfg. Co., 31 S Canal
Faunt Bros., 13 N Jefferson
Federal-Huber Co., Halsted & Fulton.
Fowler Brass Works, 2333 Wabash av
Goetz & Flodin Mfg. Co., 133 W Chicago av
Harris, Arthur & Co. (Heavy), 44 N. Curtis
Heath-Johnson Co. (Inc.), 123 Ontario, Can.
Hewitt Mfg. Co., 303 Railway Exchange & 4041 Emerald av
Hills-McCanna Co., 128 E Kinzie
Hodgson, John & Co., 1071 W 13th
Holland, Wm., 107 W Monroe
Imperial Brass Mfg. Co., 245 S Jefferson
Mahoney, Pat'k F., 96 W. Lake.
National Brass Works, 155 Washington
Purcell, N. F. & Co. 282 S Clinton
Quincy Brass Works, 145 S Clinton
Ryan, J. J. & Co., 105 S Jefferson
Smeeth Copper & Bronze Co., 1120 W 22d
SMITH, F. P. WIRE & IRON Works, 100 Lake, Chicago. (See adv. index, end of book)
Stier, Herman Mfg. Co., 552 N Halsted
Street & Kent Mfg. Co. (Plumbers' Specialties), 43 Fulton
Weir & Craig Mfg. Co., 2439 Wallace
Western Brass Mfg. Works, 21st & Rockwell
White Brass Castings Co., 527 Austin av.
EDWARDSVILLE—Edwardsville Brass Co.
FREEPORT—Stover Mfg. Co.
GALESBURG—Frost Mfg. Co.
LITCHFIELD—Litchfield Foundry & Machine Co.
MOLINE—Schmidt, Henry
Schmidt, Joseph
PEORIA—Brass Foundry & Heating Co.
Kinsey & Mahler Co., 400 S Adams
QUINCY—Bush, Clement (Also Iron)
Central Iron Works
Massie, S. B. & Son
Quincy Foundry & Novelty Co.
Van Doorn Co.
ROCKFORD—Dobson Mfg. Co.
Rockford Brass Works
SYCAMORE—Turner Brass Works.

INDIANA.

ELKHART—Buescher Band Instrument Co.
EVANSVILLE—Evansville Brass Works.
Healey, Peter
Heilman Machine Works
Nehring, Wm. H. & Co.
FORT WAYNE—Fort Wayne Foundry & Machine Co.
INDIANAPOLIS—American Brass & Aluminum
Dean Bros. Steam Pump Works
Indianapolis Aluminum & Brass Co.
Keyless Lock Co.
Langsenkamp-Wheeler Brass Works
Pioneer Brass Works
KOKOMO—Kokomo Brass Works
TERRE HAUTE—Prox & Burget Co.
Terre Haute Bronze & Brass Foundry.

IOWA.

BURLINGTON—Iowa Novelty Co.
CEDAR RAPIDS—Dearborn Brass Co.
DAVENPORT — Davenport Machine & Foundry Co.
Killing, E., Moulding Machine Works.
DES MOINES—Des Moines Mfg. & Supply Co.
DUBUQUE—McDonald, A. Y. & Morrison Mfg.
WATERLOO—Waterloo Brass Foundry Co.

KANSAS.

IOLA—United Iron Works Co.
KANSAS CITY—Riverside Iron Works Co.
WICHITA—Walterscheid Machinery & Supply Co.

KENTUCKY.

LOUISVILLE—Ahrens & Ott Mfg. Co., 325 W Main
American Brass Foundry, 943 W Main
American Machine Co., 500 E Main
Central Mfg. Co., 637 5th
Jones, Arthur, 211 1st
Stege, E. A. Mfg. Co., 258 W Jefferson
Vogt, Henry Machine Co., 10th & Ormsby

LOUISIANA.

JENNINGS—Union Iron Works (Ltd.)
MONROE—Sanders, Jno. G. (Also Iron)
NEW ORLEANS—Koretke, F. H. Brass & Mfg. Co. (Ltd.), 922 Magazine
Moore's Brass Foundry, 835 Tchoupitoulas
Murphy, John H., 625 Magazine
Swoop, Julian M., 913 Girod

MAINE.

BANGOR—Union Iron Works
BATH—Bath Iron Works
Torrey Roller Bushing Works
Watson, Frye & Co. (Railroad & Mill)
CALAIS—McCullough & Tait
CAMDEN—Knowlton Bros.
DEXTER—Fay & Scott (Also Iron)
HALLOWELL—Fuller's, Geo. Sons (Also Iron)
LEWISTON—Maxwell, C. P., Foundry Co.
MECHANIC FALLS—Penney, J. W. & Sons Co
PORTLAND—Babbitt, Chas. E. (Also Iron)
Knight Bros., 304 Fore
Megguier & Jones Co.
Portland Co.
WATERVILLE—Webber & Philbrick

MARYLAND.

BALTIMORE—Baltimore Brass & Plating Works, North & Center
Boehm, Henry E. & Co., 207 North
Codd, E. J. Co., 700 S Caroline
Farrell, Edw. P., 1412 Philpot
Gibson & Kirk, 517 E Montgomery
Gimiel, Wm., & Son, 1531 Guilford av.
Kavanagh, Martin J., 7th & Gough.
Liberty Brass Works, 305 W Lombard
McShane Bell Foundry Co., Holliday & Cen-
Mackin, F. M., & Co., 509 N. Spring.
Maryland Brass & Metal Works
National Supply Co., 7 W Lombard
Poole Engineering & Machine Co.
Richardson, Edro Brass Co., 316 N Holliday
CUMBERLAND—McKaig, Merwin
Potomac Engineering Co.
WESTMINSTER—Register Co.

MASSACHUSETTS.

AMESBURY—Amesbury Brass & Foundry Co.
BOSTON—Ashton Valve Co., 271 Franklin
Bay State Brass Foundry, 155 A
Boston Brass Co., 36 Oliver
Clark, D. W. & Co., 280 W 1st, S. B.
D'Este, Julian Co., 24 Canal
Duncan, Wm., 412 Border
Gibby Foundry Co., 96 Condor, E. B.
Granular Metal Co., 77 Farnham
Hall, Wm. & Co., 4 Dock sq
Hamlin & Emery Brass Co., 26 Island, Rox. 104 Portland
McCafferty, J. H. & Co., 434 Harrison av
McCaul Brass Foundry Co., 289 South
McGann, Thos. F., & Sons Co. (Art, etc.), 104 Portland
Mowry & Phillips (Rough or Finished, 208 Camden.
Rogers, Cornelius E., 34 Beach
Star Brass Mfg. Co., 108 E Dedham
Union Brass Works, 421 Atlantic av.
United Copper Foundry Co., 634 Huntington av.
Walworth Co., 128 Federal
CAMBRIDGE—Hayden, G. W.
CLINTON—Clinton Foundry Co. (Also Iron)
EAST BRIDGEWATER—Old Colony Foundry Co.
FALL RIVER—Creighton, T. J. & Co.
Fall River Foundry & Machine Co.
Mechanics Foundry & Machine Co.
FITCHBURG—Hardy, Wm. A. & Sons Co.
Welch, E. J. & Co.
FOXBORO—Foxboro Foundry Co.
GARDNER—Gardner General Foundry Co.
GLOUCESTER—Reed, Geo. A. & Son
HAYDENVILLE—Bay State Brass Co.
Haydenville Co.
HOLYOKE—Higgins & Co.
Holyoke Valve & Hydrant Co.
LAWRENCE—Fallon, T. F., & Co.
Gallison Brass Foundry
LOWELL—Pevey Foundry Co.
Union Brass Foundry Co.
MILLBURY—Oakley Steel Foundry Co.
ORANGE—Hunt, Rodney Machine Co.
PEABODY—Marine Hardware Co.
SALEM—Salem Brass Foundry
Waters, A. S.
SPRINGFIELD—Chamberlain, J. D. H. Mfg. Company
Chapman, J. B. & Co.
Emory, P. P. Mfg. Co.
Hamden Brass Co.
Hercules Float Works
Springfield Foundry Co.
TAUNTON—Trefethen, D. A., 4 Porter
WALTHAM—Waltham Foundry Co.
WEBSTER—Prescott, J. B. & Son (Also Iron)
WORCESTER—Cahill Mfg. Co., 18 Lyon
Kindred & Taylor, 20 Jackson
Washburn Shops
Wells Chemical Bronze Works
Worcester Brass Co., 262 Shrewsbury

MICHIGAN.

ADRIAN—Kells Foundry & Machine Co.
BATTLE CREEK—Sherman, H. B. Mfg. Co.
BAY CITY—Bay City Iron Co.
McCartney, Josiah
MacKINNON BOILER & MACHINE Co. (See adv. index, end of book)
CHEBOYGAN—Blake, H. A. & Son. (Also
OOLDWATER—Champion Brass Works Iron)
DETROIT—Allyne Brass Foundry Co., 777 Bellevue av
Allyne Brass Foundry Co., 777 Bellevue av
Baker-Churchill-Lee Co., 907 Michigan av
Capitol Brass Works
Detroit Brass Works, 1322 Brooklyn av
Detroit Copper & Brass Rolling Mills

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Detroit Motor Casting Co., 299 Beaufait av
Detroit Ship Building Co.
Diamond Mfg. Co., Summit & W Jefferson av
Eagle Brass Works, Franklin & Dubois
Enterprise Foundry Co., 1135 E Warren av
Essex, G. B. Brass Co., 480 Franklin
Galvin Brass Co., 74 E Fort
Graebert & Purdie, 12 Sherman
Globe Brass Works, 13 Macomb
Hackett Bros., 240-242 Lillibridge av
Hardoin Brass Co., 132 Larned E
Ireland & Matthews Mfg. Co.
Johnston, F. G., 56 2nd
Kennedy & Greig Co., 209 2d av
McREA & ROBERTS CO. (Steam Brass Goods), 227 Campbell av. (See adv. index, end of book)
National-Fulton Brass Mfg. Co. (Car, Locomotive, etc.)
Osburn Foundry Co.
Scully, W. J. Vent. & Mfg. Co., M. C. R. R. & Beecher
Sherwood Brass Works, 1167 Jefferson av
Standard Brass Works, 528 E Woodbridge
Stephens, Roe Mfg. Co.
Sterling & Skinner Mfg. Co., Russell c
Walz, Chris., 278 Division E Grand boul
FLINT—Michigan Motor Casting Co.
GRAND RAPIDS—Attwood Brass Works
Grand Rapids Brass Co.
Harring, F. J. & Co.
Hartmann, H. J. Foundry Co.
Keeler Brass Co.
Rempis & Gallmeyer Foundry Co.
Wolverine Brass Works
HANCOCK—Portage Lake Foundry & Machinery Co
HOLLAND—Huntley, A.
JACKSON—Holton & Westherwax Co. (Ltd.), Jackson Brass Foundry Co. (Also Iron)
KALAMAZOO—New Era Mfg. Co.
Star Brass Works
LANSING—Gerson-Carey Co. (Also Bronze & Aluminum)
LAPEER—McDonald, Wm. Sons (Also Iron)
MENOMINEE—Prescott Company
MUSKEGON—Enterprise Brass Works (Frank Holt, Prop'r)
PORT HURON—Draper Mfg. Co.
SAGINAW—Bartlett, A. F. & Co.
TRAVERSE CITY—Round & Son (Also Iron)

MINNESOTA.

DULUTH—Duluth Brass Works Co.
Marine Iron Works
MINNEAPOLIS—Baum's Brass & Model Works
Flour City Ornamental Iron Works, 27th av & 27th, S.
Minneapolis Brass & Iron Mfg. Co.
Twentieth Century Brass & Iron Works
ST. PAUL—St. Paul Brass Foundry Co.
South Park Foundry & Machine Co.
Union Brass & Metal Mfg. Co.
Western Machine Mfg. Co.

MISSISSIPPI.

LAUREL—Laurel Machine & Foundry Co.
NATCHEZ—Shaw, C. P.

MISSOURI.

INDEPENDENCE—Independence Foundry Co.
JOPLIN—Joplin Foundry Co.
KANSAS CITY—Central Brass Works Co.
Crampton-Farley Brass Co. (Plumbers' Specialties), 221 Main
Kansas City Brass Works, 421 W 5th
Kansas City Wire & Iron Works, 1428 Oak
Platt Mfg. Co., 21st & Campbell
Star Brass Works, 409 S W boul
ST. JOSEPH—St. Joseph Brass & Iron Foundry
ST. LOUIS—American Foundry & Mfg. Co., 11th & Hebert
Gilbert, A., & Sons, Brass Foundry, 17 & 19 Forest Park Boul
Hewitt Mfg. Co., 2028 Walnut
Kingsland-Kay-Cook Mfg. Co. (Specialty, Electric R'y, etc.), Mullanphy, 11th to 12th
Kupferle Bros. Mfg. Co., 602 N 2d
Kraushaar Brass Mfg. Co.
Laclede Brass Works, 807 Cedar
Lupfer, Wendel, 216 Locust
More-Jones Brass & Metal Co., 3138 N B'way
Ruppenthal, J. & Son, 1602 N B'way
St. Louis Brass Mfg. Co., Washington & Jefferson avs

NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
LINCOLN—Hedges, C. E.
Smith, R. L. Machine Works (Also Iron)
OMAHA—Omaha Foundry Co.
YORK—York Foundry & Engine Works

NEW HAMPSHIRE.

CONCORD—Ford & Kimball
EAST CONCORD—Badger, Franklin L.
EXETER—Exeter Brass Works (Plumbers' Specialties, etc.)
LAKEPORT—Cole Mfg. Co.
PENACOOK—Concord Axle Co.
UNION—Hamlin, E. F. Brass Co.

NEW JERSEY.

BELLEVILLE—Eastwood Wire Mfg. Co. (¼-os to 20,000 lbs.)
BLOOMFIELD—Benson, H. K. & F. S.
Empire Foundry Co.
Jenkins Mfg. Co.
CAMDEN—Camden Metal Co.
Voight Metal Co., 5th nr Erie
EAST NEWARK—Hewitt, Jno. Foundry Co.
ELIZABETH—Elizabeth Machine & Iron W'ks
Elizabethport Brass Foundry Co.
FLEMINGTON—Foran Foundry & Mfg. Co.
HARRISON—Shriver, T. & Co.
HOBOKEN—Fletcher, W. & A. Co.
Moller, Henry (all kinds of Castings), 702 Union Iron Works
JERSEY CITY—Brady Brass Co., 204 10th
Gothberg, H. & E., 139 Cator av
GRISCOM-SPENCER CO., Grand & Sussex. (See adv. index, end of book)
Krouse, Geo. (Heavy), 150 Morgan
Magnus Metal Co., 364 9th
Murphy, Wm. J., 279 10th
Williams, E. A. & Son, 105 Plymouth
LYNDHURST—Leslie Co., Inc.
NEWARK—Bushauer, P. (Est. of), 261 Elm
Chambers & Ainslee, 2 Commercial
Defreville & Masset, 60 Elm
Goldsmith, C. A., 42 Cutler
Hedges & Bro., 12 R. R. pl
Josts, E. Sons, 48 Dickerson
Newark Brass Works, 17 Mulberry
Schueler, Anthony & Co., 44 19th av
Smith, A. P. Mfg. Co., Passaic av & Brill
Wheaton, A. W. Brass Works, 68 N J R R av
Zusi, Edw'd, 80 Mechanic
Zusi, Edw'd A., 101 Monroe
PATERSON—Finigan-Zabriskie Co. (Todd Mills; Brass & Iron Castings)
PERTH AMBOY—Schantz & Eckert (Also Iron)
SALEM—Salem Brass & Iron Mfg. Co.
TRENTON—Superior Iron Works
Trenton Brass & Machine Co.
Watson, John & Sons Co.
VINELAND—Weaber, Adam

NEW YORK.

ALBANY—Albany Brass & Iron Co., 24 De Witt
Cox Brass Mfg. Co.
Gaynor, P. F., 18 William
Hartnett, John J., 16 De Witt
Thacher, Geo. H. & Co.
BALLSTON SPA—Davison-Namack Foundry Co.
BUFFALO—Acme Steel & Malleable Iron Works, 245 Military rd
Allyne Brass Foundry Co.
Case, W. A. & Son Mfg. Co., 31 Main
Fries & Co., 89 Main
Josef, E. E. Mfg. Co., Wash'n & Perry
LUMEN BEARING CO. (See adv. index, end of book)
Maute, J. & Sons, 23 Kane
Noye Mfg. Co., 50 Lakeview av
Pohlmann, John W., E Delavan av & Erie R. R.
Schmahl, Jno. H. & Albee, 471 Ellicott
Sherwood Mfg. Co.
Standard Foundry Co., 50 Lakeview av
Unique Metal Co., 18 Elk
Zero Valve & Brass Mfg. Co., 417 Chicago
COHOES—COHOES IRON FOUNDRY & Machine Co. (See adv. index, end of book)
GLENS FALLS—Dix Foundry & Machine Co. Also Iron)
GRASSY POINT—Wiles, A. M. & W. H. Co. (Also Iron)
JAMESTOWN—Jamestown Metal Furniture Company
LOCKPORT—Holly, Carlos Co. (Also Iron)
Kugler, Henry
McKim Foundry & Machine Co.
MOUNT VERNON—Henry-Bonnard Bronze Co.
NEWBURGH—ABENDROTH & ROOT Mfg. Co. (See adv. index, end of book)
Chadburn & Coldwell Mfg. Co.
Coldwell, Wilcox Co.
Kimball's, S. G. Son
Marvel, T. S. Shipbuilding Co.
Newburgh Ice Machine & Engine Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Atlantic Basin Iron Works, Imlay & Summit
BLISS, E. W. CO., 19 Adams. (See adv. index, end of book)
Columbia Machine Works & Malleable Iron Foundry Co., 289 Chestnut
Connolly, P. (And Finishings), 1154 Atlantic av
Coyne & Delaney Co., 303 Rodney
Creamer, W. G. & Co., Creamer c Smith
Hamilton, Robert, 95 Adams
Holdsworth Foundry Co.
Huethwohl, Louis, 513 Flushing av
Jefferson Brass Foundry, 209 King
Jones, Chas. W., 137 N. 10th
Staats, Geo. & Co., 252 Lorimer
Taylor & Co. (Inc.) (Also Iron), Morgan & Norman avs

Boroughs of Manhattan & Bronx.

NEW YORK—ABENDROTH & ROOT Mfg. Co., Fulton Bldg., 50 Church. (See adv. index, end of book)
Atlantic Brass Co. (Car. etc.), 192 B'way
Bethlehem Steel Co., 111 B'way
Bristol Brass Co., 46 W B'way
Claudat, Frank & Son, 424 E 23d
Cornell, J. B. & J. M., 26th & 11th av
Creamer, W. G. & Co., 96 John
Cunningham, Wm. J., 671 Water
DIAMOND EXPANSION BOLT CO., 90 West. (See adv. index, end of book)
DOBBIE FDRY. & MACHINE CO., 32 Warren. (See adv. index, end of book)
Federal-Huber Co., 244 5th av
Enuphyll Bronze Co., 282 E 134th
Fox's, B. Sons, 513 W 34th
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
Gallagher's, Jas. Sons, 87 Centre
Gillen, J. F. & Son, 124 Baxter
GORHAM CO. ARCH'L BRONZE (High Grade), 5th av & 36th, Works: Providence, R. I. (See adv. index, end
Guerin, P. E. (Inc.), 23 Jane of book)
Hampson, Wm. P., 520 W 22d
Hardware & Woodenware Mfg. Co. (Small).
Harper, Thos., 400 Broome 326 B'way
Henry-Bonnard Bronze Co., 5 E 42d
Levett, Walker M., 462 10th av
McCauley, Frank, 502 W 25th
Magnus Metal Co., 111 B'way
Manhattan Brass Co., 334 E 26th
Nelson, Chas., 439 E 10th
N. Y. Brass Foundry Co., 104 Centre
Scholl, Adam, 451 E 188th
Tuttle & Bailey Mfg. Co., 83 Beekman
WHEELER, CHARLES CHILD (All Sizes), 113 B'way, New York. (See adv. index, end of book)
White, Sam'l, 557 W 35th

Borough of Queens.

ASTORIA—Federal Brass & Bronze Co.
MASPETH, Long Island City—Queensborough Brass & Bronze Foundry
Richey, Browne & Donald

(End of New York City)

NIAGARA FALLS—DOBBIE FDRY. & Machine Co. (See adv. index, end of book)
NORTH TONAWANDA—Herschell-Spillman Co.
ROCHESTER—Clum & Atkinson
Enterprise Foundry Co., 48 Olean
Nunn Brass Works, 17 Wentworth
Wray, Henry & Son, 195 Mill
ROME—Rome Brass & Copper Co.
SANDY HILL—Sandy Hill Iron & Brass Works (Also Iron)
SENECA FALLS—Climax Specialty Co. (Plumbers' Specialties)
Rumsey & Co.
Seneca Falls Mfg. Co.
SYRACUSE—Caldwell & Ward Brass Co.
McVey & Krats, 116 Richmond av.
Oberdorfer, M. L. Brass Co., 804 E Water
Phelps, E. E., 1610 N Salina
Senk, Jno. & Bro., 1515 Lodi
Syracuse Aluminum & Bronze Co.
TROY—Gurley, W. & L. E.
Kemp Brass & Bronze Co.
UTICA—Blasier, M. E. Mfg. Co.
Merriam, F. M.
Utica Brass Works

NORTH CAROLINA.

NEWBERN—Newbern Iron Works & Supply Co.
RALEIGH—Raleigh Iron Works Co.
WILMINGTON—Wilmington Iron Works

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OHIO.

AKRON—Adamson Machine Co.
Akron Foundry Co.
Krisher, Perry A.
Star Drilling Machine Co.
BELLEFONTAINE—Bellefontaine Foundry & Machine Co.
CANTON—Balm, J. A.
Best Light Co.
Canton Brass Co.
Elbel Co.
Stark Foundry Co.
CINCINNATI—Acme Brass Foundry, 216 W Pearl
American Copper & Brass Works, 614 E Front
American Valve & Meter Co., 1119 Gest
Behrens, F. D. Co., 120 E Court
Bourbon Copper & Brass Works Co., 618 E Front
CINCINNATI MFG. CO., 1243 W 6th. (See adv. index, end of book)
Crane & Breed Mfg. Co., 1227 W 8th
Deckebach, F. C. Sons Co., 123 W Court
Edna Smelting & Refining Co. (Light & Heavy), 525 Reading rd
Electric Railway Equipment Co., 1938 W 8th
Eureka Brass Works, 1040 Hulbert av
Fewlass-Leen Brass & Iron Co., 456 E 2d
Globe Brass Works, 62 Elm
Hesterberg, R. & Co., Spring Grove & Gar-
Hoppe, Chas., 632 Main rard av
Kinsley, J. R., 115 E 6th
Kirkup, Robt. & Co., 616 Lodge
Kisinger-Ison Co., 1734 Powers
Klotter, Geo. F. Co., 1722 Central av.
LUNKENHEIMER CO., Beekmann & Waverly. (See adv. index, end of book)
McGowan, Jno. H. Co., 54 Central av
Model Brass Foundry, 1212 Race
National Brass Mfg. Co., 1115 Marshall av
Ohio Brass Foundry, 209 Lawrence
Powell, Wm. Co., 2635 Spring Grove av
Queen City Brass & Iron Works, Spring Grove & Garrard ave
Richter & Co., 210 E 9th
Riegler & Son, 316 Perry
Van Dusen, E. W. Co., 428 E 2d
CLEVELAND—Acme Brass Works, 2662 E 76th, S. E.
Aetna Brass Mfg. Co., 4800 Hamilton av
Allyne Brass Foundry Co.
Brookside Brass Foundry & Mfg. Co., 2315 Selzer av, S. W.
Bruce-Macbeth Engine Co.
Buckeye Brass Fdry, 1807 Columbus rd., N. W.
Central Brass Mfg. Co., 6208 Cedar av
City Brass Foundry Co.
Cleveland Brass Works, 2102 Abbey av, S W
Cleveland Bronze & Brass Works (Light & Heavy)
Cochrane, John A., 1403 E 40th, N E
Farnan Brass Works (Plumbers' Specialties)
Glauber Brass Mfg. Co., 4917 Superior av, N E
Hunger & Scheidegger, 928 Champlain av, N W
Ideal Bronze Co., 1265 E 55th, N E
Industrial Pattern & Bronze Co., 988 E 67th N. E.
Monarch Brass Co., 4613 Payne av
Ohio Brass & Iron Mfg. Co., 8205 Franklin
Standard Brass Foundry Co., 6524 Central av, S E
United Brass Mfg. Co., 3844 Hamilton av, U. S. Bronze Co., 1831 Columbus N E
COLUMBUS—Buckeye Brass Co.
Columbus Brass Co., 210 N 4th
DAYTON—Buckeye Iron & Brass Works
Dayton Mfg. Co.
Dennick, Wm. & Co.
Hoban Brass Foundry Co., 44 Wyandot
Miami Brass Foundry Co.
ELYRIA—Elyria Machine Parts Co.
FINDLAY—Findlay Foundry & Machine Co.
GENEVA—Champion Safety Lock Co.
HAMILTON—Hamilton Copper & Brass Wks
LIMA—Lima Locomotive & Machine Co.
MANSFIELD—Berry, J. H.
Mansfield Tempered Copper Co.
Ohio Brass Co.
MARIETTA—Pattin Bros. Co. (Also Iron)
MASSILLON—Russell Engine Co.
NORWALK—Norwalk Iron & Brass Foundry
SANDUSKY—Klotz Machine Co. Co.
SPRINGFIELD—Nolte Brass Co. (For All Purposes, Rough & Finished), 27 W Jefferson
Springfield Brass Co.
STEUBENVILLE—Means Foundry & Machine
TOLEDO—City Brass Works Co.
Seeger, Valentine
Toledo Brass & Novelty Works
Toledo Ship Building Co.
Vulcan Steam Shovel Co.
YOUNGSTOWN—Falcon Bronze Co.
United Engineering & Foundry Co. (All Weights)
Youngstown Bronze & Iron Foundry Co.

OREGON.

ALBANY—Albany Iron Works (also Iron)
ASTORIA—Astoria Iron Works (Inc.)
OREGON CITY—Roake, J. A. (also Iron)
Oregon Brass Works
Oregon Foundry Co., 471 E Alder
Phoenix Iron Works, Hawthorne e E 3d
Portland Iron Works, 495 Northrup
Willamette Iron & Steel Works, 4th & Gilsan

PENNSYLVANIA.

ALLEGHENY—Damascus Bronze Co., 928 South av
Pittsburg Lamp, Brass & Glass Co., Locust & River av
ALLENTOWN—Spangler, Chas., 3d & Walnut
Vulcan Brass Works
BEAVER FALLS—Knott & Harker Co.
BLOOMSBURG—Harman & Hassert
CATARAUQUA—Hercules Metal Works
CHESTER—Crown Smelting Co.
Wetherill, R. & Co.
CONNELLSVILLE—Boyts, Porter & Co. (Also Iron)
Connellsville Machine & Car Co. (Also Iron)
CONSHOHOCKEN—Bate, Wm. T. & Son
CORRY—Ajax Iron Works (Also Iron)
DANVILLE—Danville Foundry & Machine Co. (Up to 2000 lbs.)
EASTON—Easton Brass & Machine Works
ERIE—Campbell, J. B. Brass Works
Erie Stamping & Mfg. Co.
Keystone Brass Co.
Noyes Brass Works
Etna Rocssing Bronze Co. "High Grade"
GREENSBURG—Kelly & Jones Co.
HARRISBURG—Harrisburg Metal Co.
Hickok, W. O. Mfg. Co.
HOMESTEAD—Homestead Valve Mfg. Co.
JOHNSTOWN—Flood City Mfg. Co.
Suppes Forge & Foundry Co.
LANCASTER—Conestoga Job & Brass Foundry
Frain, E. T., Lock Co.
Hubley Mfg. Co.
Miller, J. Walter, Co.
Slaymaker Lock Mfg. Co.
MARIETTA—Marietta Casting Co.
MONONGAHELA—Monongahela Casting Co.
NEW BRIGHTON—Brighton Brass & Bronze Co.
NEW CASTLE—American Car & Ship Hdw. Mfg. Co.
Douds, Frank C. & Co.
NORRISTOWN—Rittenhouse, S. C., Sons
Wildman Mfg. Co.
NORTH EAST—Eureka Tempered Copper Works
PHILADELPHIA—Ajax Metal Co., 46 Richmond
Belfield, H. & Co., 435 N Broad
Bridgman Bros. Co., 1422 Washington av
Bureau Bros., 21st & Allegheny av
Caskey, Wm. & Son, E Norris & Beach
Cohocksink Brass Foundry, 439 Berks
Cramp, Wm. & Sons Ship & Engine Building Co., Beach e Ball
Devlin, Thos. Mfg. Co., 3d & Lehigh av
Evans, S. W. & Son, 4623 Paul Fkd.
Excelsior Brass Works, 1517 Spring
Eynon-Evans Mfg. Co., Clearfield & N 15th
Furlow & Co., 2020 E Williard
Gaumer, John L. Co., 22d & Wood
Griffiths, Jas. A., 500 N 12th
Halstead & Co. (Founders & Finishers), 1129 Cherry
Hartman Co., 1235 N Front
Hill, B. B. Mfg. Co., 1020 Newmarket
Hoag, R. C. & Co., 1146 Catherine
Homer Brass Works (Inc.), 231 Race
Kirn, M. L. & Bro., 2185 N Lawrence
Lapp, Geo. W., 718 Cherry
Lonergan, J. F., & Co., 211 Race
McHatton Smelting Co., 1500 Wash'n av
Morris, I. P. Co., Beach & Ball
Mousley, Chas. Sons, 457 N 12th
Newell Brass Mfg. Co. (And Finishers), 445 N Broad
North American Smelting Co., Thompson & Ott, Geo. F., 207 Buttonwood N 9th
Philadelphia Hardware & Malleable Iron Works (Inc.), 9th & Jefferson
Phosphor-Bronze Smelting Co. (Ltd.), 2200 Wash'n av
Reeves, Paul S. & Son (Red & Yellow Brass, etc.), 1415 Catharine
Rosenthal's, Jos. Sons, 190 Berks
Savill, Thos. & Sons, 11th & Wood
Schoenewald, Robt., 1027 Ridge av
Sheeler-Hemsher Co., 811 Fairmount av
Talmage & Weidley, 228 N 15th
Wright Mfg. Co. (Inc.), 138 Master
PITTSBURG—Best Mfg. Co., 25th & A. V. Ry.
Cadman, A. H. Mfg. Co., 2814 Smallman
Chaplin-Fulton Mfg. Co., 28 Penn av
Hydraulic Machine Co., North Side
Iron City Brass Foundry, 5315 Butler
Kelly & Jones Co., 135 Water
Keystone Bronze Co., 38th & A. V. Ry.
Mackintosh-Hemphill & Co.
Mesta Machine Co., Lewis bldg
Newlands Bros., 28th & A. V. Ry.
Pittsburg Brass Mfg. Co., 3153 Penn av
PITTSBURGH GAGE & SUPPLY Co., 30th & Liberty av. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. (See adv. index, end of book)
United Engineering & Foundry Co. (All Weights), Farmers' Bank bldg
POTTSTOWN—Light Mfg. & Foundry Co.
Mayo Damper Co. (Also Aluminum & Bronze)
READING—Connard, Henry
Crescent Brass Mfg. Co.
Dick Bros.
Excelsior Brass Works (Inc) (Dry & Green Sands)
Hercules Brass Foundry
Kline & Co.
National Brass & Iron Works
SCOTTDALE—Scottdale Foundry & Machine
SCRANTON—Everhart Brass Works Co.
Hughes Bros.
McClave-Brooks Co.
Scranton Steam Pump Co.
SOUTH BETHLEHEM—Bethlehem Steel Co.
WARREN—Allegheny Foundry Co.
Jacobson Machine Mfg. Co. (Also Iron)
WILKES-BARRE—Vulcan Iron Works
WILLIAMSPORT—Darling Pump & Mfg. Co.
United States Machine Co. (also Iron)
Valley Iron Works (also Iron)
YORK—Penna. Foundry Co.

RHODE ISLAND.

CENTRAL FALLS—Newell, Fred. E.
PAWTUCKET—Jenkinson, John
McKenna, Frank & Co.
Pawtucket Foundry Co.
PROVIDENCE—Allen Fire Dept. Supply Co.
D & W FUSE CO. (See adv. index, end of book)
Fuller, Frederic, 604 S Main
Lyon, J. W., 46 Clifford
Providence Brass Foundry & Machine Co.,
Rhode Island Brass Foundry 460 Eddy
White, Stillman Foundry Co., 1 Bark
WOONSOCKET—Woonsocket Machine & Press Co.

SOUTH CAROLINA.

COLUMBIA—Columbia Machine & Iron Works

TENNESSEE.

CHATTANOOGA — Price-Evans Foundry Co. (Also Iron)
KNOXVILLE—Fair Foundry Co.
Knoxville Foundry & Machine Co.
MEMPHIS—Chickasaw Iron Works, 2d e Winchester
Memphis Brass Works

TEXAS.

BEAUMONT—Beaumont Iron Works
DALLAS—Dallas Brass Mfg. Co.
Mosher Mfg. Co.
Nolzet, Louis A.
DENISON—Knaur & Howe (Also Iron)
Knaur, W. E. & Co.
EL PASO—Union Iron & Brass Works
FORT WORTH—Midland Brass Works
GALVESTON—Walsh & Cleary (also Iron)
HOUSTON—Dickson Car Wheel Co.
MARSHALL—Marshall Car Wheel & Foundry
TYLER—Tyler Iron Works Co.
WEATHERFORD—Weatherford Machine & Foundry Co.

UTAH.

SALT LAKE—Salt Lake Engineering Works
Union Foundry & Machinery Co.

VERMONT.

BELLOWS FALLS—Bellows Falls Machine Co.
POULTNEY—Ruggles Machine Co.
ST. ALBANS—St. Albans Foundry & Implements Co.

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CHARTERED 1891 CAPITAL, $100,000

LAWRENCEVILLE BRONZE COMPANY

Copper and Bronze Founders

Thirty-first Street and Penn Ave., PITTSBURG, PA.

"McGillivray" Hydraulic Valves and "Robertson" Blow-Off Valves

BRASS AND BRONZE CASTINGS FOR RAILROADS, MILL AND GENERAL MACHINERY. CAPACITY, 500 000 LBS. A MONTH. SOLE MANUFACTURERS OF CORINTHIAN BRONZE FOR LOCOMOTIVES AND HOT MILLS.

SOLE MANUFACTURERS OF

KERR AND SMITH MALLEABLE BRONZE

Tensile Strength, 61,000 lbs. Unequalled for Steam and Hydraulic Purposes.

THIS METAL is very dense, and is unequalled for Steam and Hydraulic purposes. It is also being used successfully for worm and Pinion Wheels. These are cast under pressure and are so accurate that milling is unnecessary. This Metal can be forged or Rolled. Sold in Ingots or Castings.

VIRGINIA.

LYNCHBURG—Hubard Foundry & Machine Works
NORFOLK—Edmonds, W. A., & Co.
Etna Iron Works
Ridgewell & Hall
RICHMOND—Carr, Jas. W.
McGee, O. G. & Son
Richmond Foundry & Mfg. Co. (Light)
Richmond Iron Works
Tredegar Co.
SUFFOLK—Ousler, H. R. (Also Iron)

WASHINGTON.

BALLARD—Ballard Iron Works
BELLINGHAM—Bellingham Engineering & Machine Works
OLYMPIA—Olympia Iron Works (C. E. Mason, Prop.) (Also Iron)
SEATTLE—Enterprise Brass Foundry Co.
Moran Co., R. R. av nr Charles
Seattle Brass Co., Andover & Liberty
Tracy Bros., S 8th av & Plummer
Vulcan Iron Works, 5th av & Seattle bowl
SPOKANE—National Iron Works
Pacific Iron Works
Union Iron Works
TACOMA—Griffin Wheel Co. (also Iron)
Puget Sound Iron & Steel Works
Tacoma Brass & Machine Works

WEST VIRGINIA.

NEW CUMBERLAND — Davis-Price Foundry & Machine Co.
PARKERSBURG—Parkersburg Casting Co.
Stiles Foundry & Supply Co.
POINT PLEASANT—Point Pleasant Machine Works
WHEELING—Wheeling Mold & Foundry Co.

WISCONSIN.

BELOIT—Beloit Brass Works
BURLINGTON—Burlington Brass Works (Brass Founders & Finishers)
KENOSHA—Badger Brass Mfg. Co.
Frost Mfg. Co.
LA CROSSE—Franklin Iron Works (Also Iron)
MERRILL—Merrill Iron Works
MILWAUKEE—Hewitt Mfg. Co. (Up to 2000 lbs.), 241 Greenfield av
Hoffmann, B. Mfg. Co., 257 6th
Hoffman & Billings Mfg. Co., 96 2d
Johnson Service Co.
Kagel Bros., 1208 St. Paul av
Krueeke Bros. Mfg. Co., 515 Park
Lamp & Miller Mfg. Co., 509 Cedar
Loeffelholz Co., 170 Clinton
Milwaukee Aluminum & Brass Co.
Milwaukee Valve Co., 189 Burrell
Rundle-Spence Mfg. Co., 63 2d
Spence Mfg. Co., 279 Park
Standard Brass & Iron Works
Wambold-Brunschweiler Co., 270 4th
Wisconsin Foundry Co., 32d & Locust
RACINE—Belle City Mfg. Co.
Holbrook-Armstrong Iron Co. (Light & Heavy), Racine, Wis.
Racine Brass & Iron Co.
RICE LAKE—Peters, J. H.
SOUTH MILWAUKEE—Stowell Mfg. & Foundry Co.
STEVENS POINT—Cook, R. A.
WATERTOWN—Brandt, Edw. J. Dent Co.

Castings (Bridge)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Builders' Iron Foundry (For Caissons, etc.), Providence, R. I.
Chester Steel Castings Co., 407 Sansom, Phila., Pa., & Chester, Pa.
Nunning, Frank & Son, 215 W 2d, Cincinnati, O.

Castings (Bronze)

(See also Castings, Aluminum; Castings, Brass; Castings, Copper; Castings, Phosphor Bronze)

Acorn Brass Mfg. Co., 208 Fulton, Chicago, Ill
Ajax Metal Co., 46 Richmond, Philadelphia, Pa., & Birmingham, Ala
Allyne Brass Foundry Co., Buffalo, N. Y.
American Brass & Aluminum Co., Indianapolis, Ind.
American Bronze Co. ("Non-Gran"), Berwyn, Pa.
American Bronze Foundry Co., 73d & Woodlawn, Chicago, Ill.
American Car & Ship Hdw. Mfg. Co., New Castle, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co., Waterbury, Conn.
Anderson, A. H. (Light & Heavy), 52 N Ann, Chicago, Ill.
Angus, C. H., Albany, N. Y.
Appleton Screen Plate Co., Appleton, Wis.
Attwood Brass Works (Heavy), Grand Rapids, Mich.
Aurora Metal Co., Aurora, Ill.
Babbitt, Chas. E., Portland, Maine.
Bastian, C. L. Mfg. Co., 76 Illinois, Chicago, Ill.
Bay State Brass Foundry, 155 A, So. Boston, Mass.
Beaver Valley Metal Co., New Brighton, Pa.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co., Pittsburg, Pa.
Best Light Co., Canton, O.
Blake, Edwin J., Hartford, Conn.
Brady Brass Co., 204 10th, Jersey City, N. J.
Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
Brighton Brass & Bronze Co., Pittsburg, Pa.
Bristol Brass Co., Bristol, Conn., & 46 W B'way, New York
Brown, Chris., Stamford, Conn.
Buckeye Brass Foundry, Cleveland, O.
Buckeye Brass Foundry, Vine & Armstrong, Columbus, O.
Buckeye Iron & Brass Wks., Dayton, O.
Builders' Iron Foundry (Light & Heavy, up to 70,000 lbs.), Providence, R. I.
Bureau Bros., Allegheny ave., c. N. 21st, Phila., Pa.
Cadman, A. W. Mfg. Co., 2814 Smallman, Pittsburg, Pa.
California Artistic Metal & Wire Co., 351 Seventh, San Francisco, Cal.
Canton Brass Co., Canton, O.
Chambers & Ainslee, Newark, N. J.
Champion Safety Lock Co., Geneva, O.
Chapman, J. R. & Co., Springfield, Mass.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Brass Foundry Co., Cleveland, O.
Claudat, Frank & Son, 424 E 23d, New York
Cleveland Bronze & Brass Works (Light & Heavy), Cleveland, O.
Clum & Atkinson, Rochester, N. Y.
COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
Connellsville Machine & Car Co., Connellsville, Pa.

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Cornell, J. B. & J. M., Co., 26th & 11th av, New York
Cox Brass Mfg. Co., Albany, N. Y.
Crown Smelting Co., Chester, Pa.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
Damascus Bronze Co., Allegheny, Pa.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Davies & Thomas Co., Catasauqua, Pa.
Dayton Mfg. Co., Dayton, O.
Demsey, Jno. F. & Co., Lynn, Mass.
Eastwood Wire Mfg. Co. (¼-oz. to 20,000 lbs.), Belleville, N. J.
Elyria Machine Parts Co., Elyria, O.
Enterprise Brass Works, Muskegon, Mich.
Enterprise Foundry Co., Rochester, N. Y.
Eynon-Evans Mfg. Co., 1509 Clearfield, Phila., Pa., & 32 B'way, New York
Eureka Tempered Copper Works, North East, Pa.
Falcon Bronze Co., Youngstown, O.
Frain, E. T., Lock Co., Lancaster, Pa.
Frankham, Wm., Son, Canton, O.
Fries & Co., 91 Main, Buffalo, N. Y.
Fuller, Frederic, Providence, R. I.
Garratt, W. T. & Co. (Inc.), 140 Fremont, San Francisco, Cal.
Gilb, V. & Son, Birmingham, Ala.
GORHAM CO. ARCH'L BRONZE (High Grade), 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Grand Rapids Brass Co., Grand Rapids, Mich.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Guerin, P. E. (Inc.), 23 Jane, New York
Halstead & Co., 1129 Cherry, Philadelphia, Pa.
Hamilton Metal Co. (Inc.), 2235 Vine, Philadelphia, Pa.
Hampden Brass Co., Springfield, Mass.
Hardware & Woodenware Mfg. Co. (Small), 826 B'way, New York
Hardy, Wm. A. & Sons Co., Fitchburg, Mass.
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Henry-Bonnard Bronze Co., Sales Office, 5 & 7 E 42d, New York; Works: Mount Vernon, N. Y.
Hendryx, Andrew B. Co., New Haven, Conn.
Henzman, Richard, Louisville, Ky.
Hewitt Mfg. Co. (Up to 2,000 lbs.), 9 Jackson boul, Chicago, Ill.
Hoban Brass Foundry Co., Dayton, O.
Ideal Bronze Co., Cleveland, O.
Industrial Pattern & Bronze Co., 998 E. 67th, N. E., Cleveland, O.
Ireland & Matthews Mfg. Co., Detroit, Mich.
Ives, Hobart B. Co., New Haven, Conn.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Jamestown Metal Furniture Co., Jamestown, N. Y.
Jefferson Brass Foundry, 209 King, Brooklyn, N. Y.
Jenkins Mfg. Co., Bloomfield, N. J.
Johnson Service Co., Milwaukee, Wis.
Jones, Jas. Co., Los Angeles, Cal.
Keystone Bronze Co., Pittsburg, Pa.
Kindred & Taylor, Worcester, Mass.
Kingsland-Kay-Cook Mfg. Co., Mullanphy, 11th to 12th, St. Louis, Mo.
Knott, Harker & Co., Beaver Falls, Pa.
Kraushaar Brass Mfg. Co., St. Louis, Mo.
Kruecke Bros. Mfg. Co., 515 Park.
Laughlin, Thos. Co., Portland, Me.
LAWRENCEVILLE BRONZE CO. (Railroad, Machinery, etc.), 31st & Penn av, Chicago, Ill. (See adv. index, end of book)
Leslie Co., Inc., Lyndhurst, N. J.
Levett, Walker M., 462 10th av, New York
Liberty Brass Works, 303 W. Lombard, Baltimore, Md.
Light Mfg. & Foundry Co., Pottstown, Pa.
Livermore, Homer F., 85 Pearl, Boston, Mass.
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCartney, Josiah, Bay City, Mich.
McCafferty, J. H. & Co., Boston, Mass.
McGann, Thos. F. & Sons Co. (Art, etc., 104 Portland, Boston, Mass.
McShane Bell Foundry Co., Holliday & Centre, Baltimore, Md.
Macneir, Leonidas, 624 Arch
Magnus Metal Co., 111 B'way, New York
Manhattan Brass Co., 334 E 28th, N. Y.
Mansfield Tempered Copper Co., Mansfield, O.
Mesta Machine Co. (Heavy Rolling Mill, etc.), Pittsburg, Pa.
Midland Brass Works, Fort Worth, Tex.
Miller, J. Walter, Lancaster, Pa.
Miller, Edward & Co., Meriden, Conn., & 28 W B'way, New York
Minneapolis Brass & Iron Mfg. Co., 116 1st av, N, Minneapolis, Minn.
Montana Iron Works, Butte, Mont.
Morris, I. P. Co., Beach & Ball, Phila., Pa.
Mousley, Chas. & Sons, 457 N. 12th, Phila., Pa.
Murdock-Shaw Co., Boston, Mass.
National Aluminum Co., 153 Milk, Boston, Mass.
National-Fulton Brass Mfg. Co. ("Monarch"), Detroit, Mich.
Nazareth Foundry & Machine Co., Nazareth, Pa.
Newell, Fred E. (Also Aluminum Bronze), Central Falls, R. I.
Noelke-Richards Iron Works, Indianapolis, Ind.
Norwalk Brass Co., Norwalk, Conn.
Noyes Brass Works, Erie, Pa.
Nute Foundry Co., Cuyahoga Falls, O.
Oberdorfer, M. L. Brass Co., Syracuse, N. Y.
Ohio Brass Co., Mansfield, O.
Ohio Brass Foundry (all kinds of Bronze and Brass Castings), 209 Lawrence, Cincinnati, Ohio
Ohio Pump & Brass Co., Columbus, O.
Osburn Foundry Co., 74 Fort, E, Detroit.
Petry, N. A., 422 Commerce, Mich.
Pevey Bros., Lowell, Mass.
Philadelphia Bronze Works, 811 Cherry.
Philadelphia Hardware & Malleable Iron Works (Inc.), 9th & Jefferson, Phila., Pa.
Phosphor Bronze Smelting Co., 2200 Wash'n av, Philadelphia, Pa.
Pittsburg Brass Mfg. Co., Pittsburg, Pa.
Pioneer Brass Works, Indianapolis, Ind.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
Portland Co., Portland, Me.
Pratt & Cady Co., Hartford, Conn.
Providence Brass Foundry & Machine Co., Providence, R. I.
Raquette Foundry & Supply Co. (Heavy), Massena, N. Y.
Reeves, Paul S. & Son, 1413 Catherine, Philadelphia, Pa.
Rhode Island Brass Foundry, Providence, R. I.
Richardson, Edro Brass Co., Baltimore, Md.
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City
Ridgway Foundry Co., Ridgway, Pa.
Roessing Bronze Co. ("High Grade"), Etna, Pa.
Roman Bronze Works, 275 Greene, Brooklyn, N. Y.
Rowell, W. G. Co., Bridgeport, Conn.
Russell Engine Co., Massillon, O.
Russell, J. M. Mfg. Co., Naugatuck, Conn.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
ST. PAUL FOUNDRY CO., Como av. & Mackubin, St. Paul, Minn. (See adv. index, end of book)
Sanford David C. Co., Bridgeport, Conn.
Sheeler-Hemsher Co., 811 Fairmount av, Phila., Pa.
Sherwood Brass Works, Detroit, Mich.
Sherwood Mfg. Co., Buffalo, N. Y.
Shriver, T. & Co., Harrison, N. J.
Slack, Ben. F., Brass Mfg. Co., Denver, Colo.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Spence Mfg. Co., 279 Park, Milwaukee, Wis.
Spencer's, I. S. Sons, Guilford, Conn.
Springfield Brass Co., Springfield, O.
Standard Bronze Co., Pittsburg, Pa.
Stover, Mfg. Co., Freeport, Ill.
Syracuse Aluminum & Bronze Co., Syracuse, N. Y.
Thacher, Geo. H. & Co., Albany, N. Y.
Tiffany Studios (High Grade), 347 Madison av, New York
Toledo Brass & Novelty Works, Toledo, O.
Toledo Shipbuilding Co., Toledo, O.
Turner Brass Works, Sycamore, Ill.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Tuttle & Bailey Mfg. Co., 83 Beekman, New York
Twentieth Century Brass & Iron Works, Minneapolis, Minn.
Union Brass Fdy. Co., Lowell, Mass.
United Engineering & Foundry Co. (All Weights), Farmers' Bank bldg, Pittsburg
U. S. Bronze Co., 1831 Columbus road, Cleveland, O.
Valley Iron Works Co., Appleton, Wis.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O
Watson, Frye & Co. (Railroad, Mill & Marine. Acid Proof, ¼ to 20,000 lbs), Bath, Me
Wells Chemical Bronze Works, Worcester, Mass.
WHEELER, CHARLES CHILD (All Sizes), 113 B'way, New York. (See adv. index, end of book)
Williams, E. A. & Son, 105 Plymouth, Jersey City, N. J.
Williams, John, 558 W 27th, New York
Youngstown Bronze Co., Youngstown, O.

Castings (Builders')

(See firms marked with a Star (*) in Iron, Architectural & Ornamental; also Machinists & Founders)

Castings (Carbon)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.

*Castings (Cement)

AMERICAN CONCRETE CO. (Plain & Ornamental), 80 William, New York. (See adv. index, end of book)

Castings (Chemical Works)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Buffalo Foundry & Machine Co., Buffalo, N. Y.
Caroline Iron Works, 723 S. Caroline, Baltimore, Md.
Co-Operative Foundry Co., Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Ferguson & Large Foundry Co., Clybourn av. & Willow, Chicago, Ill.
Larrabee, H. C. & Co., Baltimore, Md.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Moore Bros. Co. (High Grade), Elizabeth, N. J.
Philadelphia Roll & Machine Co., S 23d & Washington av, Philadelphia, Pa.
Riverside Foundry Co., 2021 Carter rd, N. W., Cleveland, O.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Castings (Chrome Steel)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Chrome Steel Works (Crucible & Open Hearth), Chrome, N. J.
Crucible Steel Casting Co., Lansdowne, Pa.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

Castings (Compressor)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.

Castings (Copper)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Babbitt, Chas. E., 440 Fore, Portland, Me.
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
Bridgeport Deoxidized Bronze & Metal Co., Bridgeport, Conn.
Buckeye Brass Foundry, Cleveland, O.
City Brass Foundry Co., Cleveland, O.
Clum & Atkinson, Rochester, N. Y.
Connellsville Machine & Can Co., Connellsville, Pa.
Crown Smelting Co., Chester, Pa.
Dallas Brass Mfg. Works, Dallas, Tex.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co., Belleville, N. J.
Enterprise Brass Works, Muskegon, Mich.
Eureka Tempered Copper Works, North East, Pa.
Eynon-Evans Mfg. Co., 1509 Clearfield, Philadelphia, Pa., & 32 B'way, New York
Forest City Electric Co., Cleveland, O.
Gilb, V. & Son, Birmingham, Ala.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Hamden Brass Co., Springfield, Mass.

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Hardoin, Nicholas, 132 Larned, E, Detroit
Hendryx, Andrew B. Co., New Haven, Conn.
Ireland & Matthews Mfg. Co., Detroit, Mich.
Jefferson Brass Foundry, 209 King, Brooklyn,
Jenkins Mfg. Co., Bloomfield, N. J. N. Y.
Johnson Service Co., Milwaukee, Wis.
Keystone Bronze Co., 38th & A. V. Ry., Pittsburg, Pa.
Kraushaar Brass Mfg. Co., St. Louis, Mo.
LAWRENCEVILLE BRONZE CO. (Railroad, Machinery, etc.), 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)
Liberty Brass Works, 308 W. Lombard, Baltimore, Md.
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
McCartney, Josiah (Solid), Bay City, Mich.
Mansfield Tempered Copper Co., Mansfield, O.
Midland Brass Works, Ft. Worth, Tex.
Minneapolis Brass & Iron Mfg. Co., 116 1st av, N Minneapolis, Minn.
National Aluminum Co., 153 Milk, Boston, Mass.
Ohio Brass Co., Mansfield, O.
Pevey Bros., Lowell, Mass.
Pittsburg Brass Mfg. Co., Penn av & 32d, Pittsburg, Pa.
Reeves, Paul S. & Son, 1415 Catharine, Phila., Pa.
Richardson, Edro Brass Co., 318 N Holliday, Baltimore, Md.
Rowell, W. G. Co., Bridgeport, Conn.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
ST. PAUL FOUNDRY CO., Como av. & Mackubin, St. Paul, Minn. (See adv. index, end of book)
Sheeler-Hemsher Co., 811 Fairmount av, Phila., Pa.
Shriver, T. & Co., Harrison, N. J.
Sterlingworth Railway Supply Co., North American bldg, Philadelphia, Pa.; Works: Easton, Pa.
Thacher, Geo. H. & Co., Albany, N. Y.
Toledo Brass & Novelty Works, Toledo, O.
Turner Brass Works, Sycamore, Ill.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Union Brass Foundry Co., Lowell, Mass.
Ward & Williams, Hancock, Mich.
Wells Chemical Bronze Works, Worcester, Mass.
West Side Foundry Co. (Watervliet), Troy, N. Y.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
Williams, E. A. & Son, 105 Plymouth, Jersey City, N. J.

Castings (Crucible Steel)

(See firms in Castings, Steel, with the word Crucible following their names)

Castings (Die Cast)

Franklin, H. H. Mfg. Co., Syracuse, N. Y.

Castings (Dredge)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Detroit Steel Casting Co. (Steel), Detroit, Mich.
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Penna. Steel Co., Girard bldg, Phila., Pa.

Castings (Electrical)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Bonney-Floyd Co. (Steel), Columbus, O.
Brylgon Steel Casting Co. (Manganese Steel), New Castle, Del.
Chester Steel Casting Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Chicago Steel Foundry Co. (Magnetic Steel), Rookery Bldg., Chicago, Ill.
Davies & Thomas Co., Catasauqua, Pa.
Drummond, M. J. & Co., 182 B'way, New York
Federal Steel Foundry Co. (Open Hearth Steel), Chester, Pa.
Hayes Foundry Co., Lynn, Mass.
Johnson, Isaac, G. & Co. (Open Hearth Steel), Spuyten Duyvil, New York, N. Y.
Jones, W. A. Foundry & Machine Co., 143 W North av, Chicago, Ill.
Pittsburg Steel Foundry (Open Hearth Steel), Pittsburg, Pa.
Prescott Co. (Open Hearth Steel), Menominee, Mich.

Castings ("Franklin" Metal)

Franklin, H. H. Mfg. Co. (Finished Castings), Syracuse, N. Y.

*Castings (Gas Engine)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
CHISHOLM & MOORE MFG. CO., 49th & Lake, Cleveland, O. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book

Castings (Gas & Water)

(See Cast Iron Pipe Manufacturers, Gas & Water; also Gas Works Apparatus & Construction)

Castings (German Silver)

Chambers & Ainslee, Newark, N. J.
Jenkins Mfg. Co., Bloomfield, N. J.
Riverside Metal Co., Riverside, N. J.

Castings (Glass Furnace)

Dixon, H. L. Co., Pittsburg, Pa.

Castings (Grey Iron)

(This List is duplicated under Machinists & Founders; see also Castings, Malleable Iron)

ALABAMA.

NORTH BIRMINGHAM—Birmingham Novelty Works (Light)

CALIFORNIA.

CHICO—Diamond Match Co. (Engineer'g Dep't)
LOS ANGELES—Llewellyn Iron Wrks
Los Angeles Stove Co.
McCan Mechanical Works
Washington Iron Works
REDDING—Redding Iron Works
STOCKTON—Stockton Iron Works
Samson Iron Works (Inc.)
SAN FRANCISCO — Graham, Jas. Mfg. Co. (Light), 27 Minna

CONNECTICUT.

ANSONIA—Farrel Foundry & Machine Co.
BRIDGEPORT—Bridgeport Malleable Iron Co.
Eaton, Cole & Burnham Co. (Refined)
Parsons, E. E. Co.
Pequonnock Foundry (Light & Medium)
BRISTOL—Sessions Foundry Co. (Small & Large to order)
DERBY—Birmingham Iron Foundry (Heavy)
GUILFORD—Spencer's, I. S. Sons
HARTFORD—Capitol Foundry Co.
Hartford Foundry Corpn.
Laragy, P.
Pratt & Cady Co.
MIDDLETOWN—Wilcox, Crittenden & Co.
NEW BRITAIN—Malleable Iron Works
Union Mfg. Co. (Light)
Vulcan Iron Works (Malleable)
NEW HAVEN—Barnum, S. H.
McLagon Foundry Co. (All Weights)
New Haven Foundry Co.
North, O. B. & Co. (Malleable)
Warner, G. F. Mfg. Co.
NEW LONDON—Hopson & Chapin Mfg. Co.
New London Marine Iron Works
NORWALK—Arnold Co., The
Meeker's Union Foundry
NORWICH—Vaughn Foundry Co.
ROCKY HILL—Champion Mfg. Co.
SHELTON—Meyer, Fred'k (Small Castings a Specialty)
SOUTH NORWALK—Colonial Foundry & Machinery Co
Norwalk Iron Works Co.
Wheeler Bros.
STAMFORD—Stamford Iron & Brass Foundry
TORRINGTON—**TURNER & SEYMOUR** Mfg. Co. (Small). (See adv. index, end of book)
UNION CITY—Metal Finishing Co. (Small)
WATERBURY—Manufacturers' Foundry Co. (Cylinder)
Waterbury Castings Co. (Malleable)
Waterbury Foundry Co. (Low & Medium Grade Castings)
WINSTED—Moore, Franklin Co. (Light)

DELAWARE.

WILMINGTON—Harlan & Hollingsworth Corporation (Rough & Finished)
Hilles & Jones Co. (Up to 75 tons)
Edgemoor Iron Co.

GEORGIA.

ATLANTA—American Brake Shoe & Fdry Co.
Atlanta Machine Works, 1 King
Fulton Foundry & Machine Works
Withers Foundry & Machine Works
CORDELE—Tomlin-Harris Machine Co.
SAVANNAH—Kehoe, Wm. & Sons

ILLINOIS.

AURORA—Aurora Foundry Co. (Machine Pulley Castings, etc.)
Love Bros. (Inc.)
CHAMPAIGN—Burr, E. M., & Co.
CHICAGO—American Brake Shoe & Foundry Co., Western Union bldg
American Building Foundry Co., 497 W 22d
Brady, Jas. A. Foundry Co. (High Grade Machinery Castings), 35th & Ashland av
Eddy, R. M. Foundry Co. (Boiler & Machinery, Castings, Grate Bars, etc.), 30 Indiana
Featherstone Foundry & Machine Co. (For Railroad Use), 303 Railway Ex.
Ferguson & Lange Foundry Co. (1 lb. to 50 tons), Clybourn av. & Willow
Green Engineering Co., Commercial Nat'l Bank bldg
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
MARINE ENGINE & MACHINE CO. (100 lbs. to 40,000 lbs.), Marquette bldg. (See adv. index, end of book)
MONIGHAN MACHINE CO. (Light & Heavy), 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
Reedy Foundry Co., 91 Illinois
SMITH, F. P. WIRE & IRON Works (Specialty, Ornamental Building Castings), 100 Lake. (See adv. index, end of book)
Tarrant Foundry Co. (Light & Heavy), 46 Indiana
Western Foundry Co. (Light Grey), 3054 S Kedzie av
CHICAGO HEIGHTS — American Brake Shoe & Foundry Co.
DECATUR—Oakes, Wm. L.
FRANKLIN PARK—Forster, Waterbury & Co.
FREEPORT—Arcade Mfg. Co. (Light)
Freeport Windmill & Gas Engine Co. (Light & Heavy)
Stover Mfg. Co. (Light)
KANKAKEE—Kankakee Mfg. Co.
LITCHFIELD—Litchfield Foundry & Machine Co.
MORRIS—Nickel Mfg. Co. (Small)
NORTH CHICAGO—Chicago Hardware Foundry Co. (Best Light Gray)
PEORIA—Excelsior Foundry Co.
QUINCY—Central Iron Works
ROCK ISLAND—Rock Island Tool Co.
STERLING—Sterling Foundry Co.
WEST CHICAGO—American Heater Mfg. Co. (Soft & Strong)

INDIANA.

COLUMBUS—Caldwell & Drake Iron Works (Inc.) (Machinery Castings a Specialty),
EAST CHICAGO—Davison Foundry Co. (Light & Heavy)
EVANSVILLE—Indiana Stove Works
FORT WAYNE—Bass Foundry & Machine Co.
INDIANAPOLIS—Enterprise Foundry & Fence Co.
Indianapolis Foundry Co. (Light)
McNamara-Koster Foundry Co. (Light & Heavy), 408 S Penn
National Malleable Castings Co.
Over, Ewald, 426 S Penn
LAFAYETTE—Wallace Machine & Foundry Co.
MARION—Marion Grey Iron Foundry Co.
MICHIGAN CITY—Haskell & Barker Car Co.
MUNCIE—Muncie Foundry & Machine Co.
SOUTH BEND—Meyer Foundry & Mfg. Co.
South Bend Foundry Co.
TERRE HAUTE—Gartland Foundry Co.

IOWA.

DAVENPORT—Davenport Machine & Foundry Co.
Killing, E., Moulding Machine Works
MUSCATINE—Niver Iron Works Co. (Light & Heavy, for All Purposes)

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CASTINGS STEEL BRASS BRONZE GREY IRON MACHINERY MALLEABLE IRON CASTINGS

CHARLES CHILD WHEELER, Dept. "C" 111 BROADWAY, NEW YORK, N. Y.

MARYLAND.

BALTIMORE—Baltimore Foundry Co., Bush cor. Severn
Baltimore Malleable Iron & Steel Casting Co. (Soft), c Charles & Wells
Bate's, James Sons, Pratt & President
Carr, S. R. & Co., Essex st and Montford av
Chesapeake Iron Works, Bayard & Severn
De Ved & Sons Sash Weight Co. (All Kinds), 813 S. Howard
ELLICOTT MACHINE CO., Bush & Severn. (See adv. index, end of book)
Lacy, Jas. J. & Co., 1401 Block
Larrabee, H. C. & Co., 723 S Caroline
Montford Machine Casting Co., Montford av nr Chase

MASSACHUSETTS.

ATHOL—Athol Machine Co.
BOSTON—Gibby Foundry Co., 96 Condor, E. B.
Laconia Car Co. Works, 100 Boylston
Smith & Lovett Co., 125 Albany
CHICOPEE—Ames Foundries (A. G. Spaulding & Bro. Mfg. Co.)
EASTON—Belcher Malleable Iron Co.
FALL RIVER—Fall River Foundry & Machine Co.
FITCHBURG—Goodnow, L. H. Foundry Co.
Perault, Moses, J.
GARDNER—Gardner General Foundry Co.
LOWELL—Doherty Bros.
SPRINGFIELD—Bausch Machine Tool Co.
Hawkins, R. F. Iron Works
Walsh Boiler & Iron Works
WALTHAM—Waltham Foundry Co.
WORCESTER—Pond, L. W. Machine & Foundry Co.

MICHIGAN.

ADRIAN—Kell's Foundry & Machine Co.
BAY CITY—**MacKINNON BOILER & MA**chine Co. (Up to 30,000 lbs.) (See adv. index, end of book)
DETROIT—Acme Foundry Co., Isabella av bel. Michigan av
Buhl Malleable Co., Wight & Adair
Cadillac Motor Car Co. (Fine)
Detroit Ship Building Co.
Detroit Stoker & Foundry Co. (Light & Heavy), N. Grand Boulevard & Riopelle
RUSSEL WHEEL & FOUNDRY CO. (See adv. index, end of book)
Standard Foundry Co., 22 Chene
Union Foundry Co., 24 Widman pl
Western Malleable Steel Co.
GRAND RAPIDS—Hartmann, H. J. Foundry
GRAND HAVEN—Drake Engine Co. Co.
JACKSON—Holton & Weatherwax Co., Ltd.
LANSING—Capitol Casting Co.
Michigan Brass & Iron Works
MENOMINEE—Prescott Co. (Small & Large)
SAGINAW—Bartlett, A. F. & Co.
YPSILANTI—Michigan Machinery Mfg. Co.

MINNESOTA.

DULUTH—Marine Iron Co.
MINNEAPOLIS—Crown Iron Works Co.
KILGORE - PETELER CO. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINery Co. (Heavy). (See adv. index, end of book)
Northwestern Foundry (Inc.)
Standard Foundry & Machine Co.
ST. PAUL—Buckeye Foundry, Starkey & Fairfield av
St. Paul Foundry Co.
Valley Iron Works.
Western Iron Works (Soft Grey), Penn av & Rice
ST. PETER—Bornemann, Adolph.
SOUTH STILLWATER—Western Foundry & Machine Works
STILLWATER—Jesse, August.

MISSOURI.

KANSAS CITY—Security Stove & Mfg. Co.
KIRKWOOD—Natural Power Co.
ST. LOUIS—American Brake Shoe & Fdry Co.
American Car & Foundry Co., 615 Olive
American Foundry & Mfg. Co. (Small), Hebert & 11th
Banner Iron Works, Shaw av & Oak Hill R'y
Curtis & Mfg. Co., Wellston Station
Kingsland-Kay-Cook Mfg. Co., Mullanphy, 11th to 12th
St. Louis Malleable Casting Co.
Union Iron & Foundry Co., 1452 S. 2d.
Western Foundry & Sash Weight Co. (Light & Novelty), 159 Miller
Herbert
SPRINGFIELD—United Iron Works Co. (From 1-4 to 15,000 lbs.)
WEBB CITY—Webb City & Carthage Foundry & Machine Works

MONTANA.

BUTTE—Montana Iron Works.

NEW HAMPSHIRE.

LACONIA—Laconia Car Co. Works (of Boston,
LANCASTER—Thompson Mfg. Co. Mass.)
NASHAU—White Mountain Freeser Co. (Light & Heavy to Order)

NEW JERSEY.

BELLEVILLE—Eastwood Wire Mfg. Co.
EAST NEWARK—Hewitt, Jno. Foundry Co.
ELIZABETH—Moore Bros. Co. (High Grade).
Moore, Sam'l L. & Sons Corp'n
ELIZABETHPORT—**BROWN, A. & F. CO.** (See adv. index, end of book)
GRENLOCH—Bateman Mfg. Co. (Light, in quantities)
HARRISON—**MARINE ENGINE & MA**chine Co. (100 lbs. to 40,000 lbs.) (See adv. index, end of book)
Shriver, T. & Co.
HOBOKEN—Focht's, Geo. Sons
JERSEY CITY—**GRISCOM-SPENCER CO.,** Grand & Sussex. (See adv. index, end of book)
MAHWAH—American Brake Shoe & Fdry Co.
NEWARK—Barlow Foundry Co. (Soft Grey Iron a Specialty)
Hewes & Phillips Iron Works (Heavy)
Meeker Foundry Co.
Sacks, Louis, Iron Foundry, (Star Heel Plate Co.), Hamburg pl & Av L
Traud, Alexander Co., 5 Maine
NEW BRUNSWICK—Empire Foundry Co. (1 oz. to 5 ton)
PHILLIPSBURG—Firth, Boland & Son
TRENTON—McFarland Foundry & Machine
Thropp, John E., Sons Co. Works

NEW YORK.

ALBANY—Hartnett, John J.
Thacher, Geo. H. & Co.
Townsend Furnace & Machine Shop Co.
BALLSTON SPA — Davidson-Namack Foundry Co.
BUFFALO—American Brake Shoe & Fdry Co.
Buffalo Co-op. Stove Co., Amherst & Tonawanda
Buffalo Foundry & Machine Co. (Up to 200 Tons)
Farrar & Trefts
Frontier Iron Works, 2 Auburn Av.
Howard Iron Works, Chicago & Granger.
Lake Erie Engineering Works (Up to 50 Tons)
Lawler Iron Works, 67 Mississippi
Standard Foundry Co., 48 Lakeview av
Trout, H. G. & Co., 226 Ohio
Washington Iron Works, 419 Pratt
CAMBRIDGE—Lovejoy Co.
CANASTOTA—Patten & Stafford Co. (Light & Medium)
COHOES—**COHOES IRON FOUNDRY &** Machine Co. (See adv. index, end of book)
CORNING—Allen, E. R. Foundry Co. (Medium &
COXSACKIE—Newbury, J. G. Heavy)
ELMIRA—Elmira Heater & Foundry Co. (Light & Heavy)
FAYETTEVILLE—Crouch, Wm. N. (Small)
GOSHEN—Newbury, Jay H.
GOWANDA—Gowanda Agricultural Works.
GREEN ISLAND—Sweet & Doyle Valve Co.
HORSEHEADS—Weller Hardware & Foundry
MANLIUS—Cheney, S & Sons (Small) Co.
MASSENA—Raquette Foundry & Supply Co.
MIDDLETOWN—Coleman, Galen
MONROE—Newbury Mfg. Co. (For Steam Fittings, etc.)
NEWBURGH—**ABENDROTH & ROOT** Mfg. Co. (See adv. index, end of book)
Marvel, T. S. Shipbuilding Co.
Newburgh Ice Machine & Engine Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—**BLISS, E. W. CO., 19 Adams.** (See adv. index, end of book)
Burr & Houston Co., 84 Calyer. (Light)
Columbia Machine Works & Malleable Iron Co., 259 Chestnut
Holdsworth Foundry Co.
Pirkl, John Iron Works (Inc.) (Ornamental), 240 N 10th
Taylor & Co., Morgan & Norman avs.

Boroughs of Manhattan & Bronx.

NEW YORK—**ABENDROTH & ROOT** Mfg. Co., Fulton bldg. (See adv. index, end of book)
American Brake Shoe & Fdry Co., Hudson Terminal bldg
American Bridge Co., 30 Church
American Car & Foundry Co., 165 B'way
Bethlehem Steel Co., 111 B'way
BROWN, A. & F. CO., 25 Dey. (See adv. index, end of book)
Crane, W. M. Co., 16 W 32d
Eaton, Cole & Burnham Co. (Founders & Finishers), 490 Cherry. Works: Bridgeport, Conn.
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
GRISCOM-SPENCER CO., 90 West. (See adv. index, end of book)
Hardware & Woodenware Mfg. Co. (Small), 826 B'way
MARINE ENGINE & MACHINE Co. (100 lbs. to 40,000 lbs.), 230 W 13th (See adv. index, end of book)
Mietz, August A., 128 Mott.
Treadwell, M. H. Co. (10 to 50,000 lbs.), 90 West
United States Cast Iron Pipe & Foundry Co. (Heavy), 71 B'way
Universal Caster & Foundry Co. (Small & Medium), 1170 B'way
WHEELER, CHARLES CHILD (All Sizes), 113 B'way, New York. (See adv. index, end of book)

(End of New York City)

PEEKSKILL—Crane, Wm. M. Co.
ROCHESTER—Eureka Foundry Co.
Jones, J. Emory (Est. of)
SANDY HILL—Sandy Hill Iron & Brass Works.
SYRACUSE—Alexander Iron Works.
Empire Foundry Co.
General Foundry & Machine Co.
Smith & Caffrey (Prop's) (Phoenix-Porter Foundry)
Stearns, E. C. & Co.
Straight Line Engine Co. (Loam or Green Sand to 20,000 lbs.)
TROY—Marshall Foundry (James W. Hislop, Prop.)
Neemes Bros. (Heavy)
Reynolds, Chalou Foundry Co.
Reynolds, G. W. H. Foundry Co.
West Side Foundry Co. (Plain & Machined, (Light & Heavy), Watervliet
UTICA—Munson Bros Co.
Utica Steam Engine & Boiler Works (Semi-Steel)

NORTH CAROLINA.

RALEIGH—Raleigh Iron Works Co.

NORTH DAKOTA.

FARGO—Fargo Foundry Co.

OHIO.

AKRON—Akron Foundry Co.
Nute, T. C. Foundry Co.
Taplin-Rice-Clerkin Co.
BOWLING GREEN—Thornburgh Mfg. Co. (Light & Heavy)
CANTON—Alliance Foundry Co. (Light & Heavy, up to 15 Tons)
American Roll & Foundry Co.
American Sheet & Tin Plate Co., Roll & Machine Works, (Up to 20 tons)
CANTON FOUNDRY & MACHINE Co. (Light & Heavy) (See adv index, end of book)
Novelty Iron Co.
Stark Foundry Co.

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CINCINNATI—Bollman-Wilson Foundry Co., 500 E Front
Bruce, John J., Foundry Co., 2419 Colerain av.
Buckeye Foundry Co., 2257 Buck
Erhart, Chris., 1237 W 6th
Eureka Foundry Co., 1110 Richmond
Haney & Spieker (All Kinds), 125 W. 2d.
Haven Malleable Castings Co., Dane & Knowlton
Knecht, Victor Co. (Light & Heavy), 810 Wade
Lane & Bodley Co., Paddock rd & Ross av
Morris, John B. Foundry Co., Court & Harriett
Mowry Car Wheel Works Co. (For Machinery, etc.), 2401 Eastern av
Oberhelman, J. A. Foundry Co., Harrison av & Buck
Queen City Foundry Co. (All Kinds of Castings), Spring Grove av. & Alabama av.
Tatum, Samuel C. Co. (Fine Castings)
Vulcan Foundry Co., The, 3300 Western av & Medium)

CLEVELAND—Acme Foundry Co. (Fine, Light & Medium)
American Range & Foundry Co. (Light), 7000 Union av, S E
Bowler Foundry Co.
Browning Engineering Co.
Bruce-Macbeth Engine Co.
CLEVELAND PUNCH & SHEAR Works Co. (See adv. index, end of book)
Ferro Machine & Foundry Co., Wade Bldg.
Forest City Foundry & Mfg. Co. (Small)
Fulton Foundry Co. (All Kinds), 1200 Marquette, N E
Grabler Mfg. Co. (1 ounce to 100 lbs.)
Interstate Foundry Co., E. 61st & Erie R. R.
Johnston & Jennings Co., Cleveland, O.
Madison Foundry Co. (Light & Heavy), 935 Addison rd, N E
Ohio Foundry Co. (Light & Heavy)
Palmers & De Mooy Foundry Co. (Light a Specialty)
Riverside Foundry Co., 2021 Carter rd, N W
Standard Foundry & Mfg. Co. (Light Castings & Hardware Specialties)
Taylor & Boggis Foundry Co. (Light), 1918 W 3d, S W
Variety Iron & Steel Works Co. (Heavy)
Walworth Run Foundry Co., 2488 W 27th, S W

COLUMBUS—McDonald Bros.
DAYTON—Buckeye Iron & Brass Works.
Eureka Casting & Machine Co.
Maumee Foundry Co. (¼ lb. to 2 tons)
Seybold Foundry Co.
FINDLAY—Findlay Foundry & Machine Co.
HAMILTON—Central Foundry Co. (Machine Molded Pulley Castings, etc.)
Hamilton Foundry & Machine Co.
Hooven, Owens, Rentschler Co. (Heavy & Machinery)
Miami Foundry Co. (Light & Medium)
Peerless Foundry Co. (Light)
LEIPSIC—American Foundry Co.
LORAIN—Lorain Machine & Forge Co.
MARIETTA—Pattin Bros. Co.
MASSILLON—Hess-Snyder Co.
Massillon Foundry & Machine Co.
Russell Engine Co.
MOUNT VERNON—Cooper, C. & G. Co., The (Up to 6 Tons)
NORWALK—Norwalk Iron & Brass Foundry Co.
PORTSMOUTH—Portsmouth Steel Co. (Office, Wheeling, W. Va.
RIPLEY—Danbery Foundry Co.
SHELBY—Shelby Foundry Co. (Light & Heavy)
SPRINGFIELD—Fairbanks Co.
Gray Iron Casting Co.
Hennessy Foundry Co.
Robbins & Meyers Co. (Light & Medium)
TOLEDO—Donovan Wire & Iron Co.
Ricard Boiler & Engine Co.
Toledo Foundry & Machine Co.
Toledo Ship Building Co.
WARREN—Trumbull Mfg. Co.
WELLSVILLE—Menough Foundry Co. (Light & Heavy)
WESTERVILLE—Hance, J. W. Foundry Co.
YOUNGSTOWN—Youngstown Bronze & Iron Co. (Small)
Youngstown Car Mfg. Co. (Medium Weight)
Youngstown Foundry & Machine Co. (Heavy, for Rolling Mills, etc.)

PENNSYLVANIA.

ALLEGHENY—Monongahela Casting Co.
Pennsylvania Casting & Machine Co.
ALLENTOWN—Daugherty Foundry Co. (Light & Heavy)
ALTOONA—Altoona Fdry. & Mach. Co.
AVONMORE—Keystone Steel Foundry Co.
BIRDSBORO—Birdsboro Steel Foundry & Machine Co.
BLOOMSBURG—Richard Mfg. Co.
BURNHAM—Standard Steel Works Co. (See Phila.)
BUTLER—Butler Engine & Foundry Co.
CHAMBERSBURG—Chambersburg Engineering Co. (Up to 100 tons)
COATESVILLE—Coatesville Foundry & Machine Co. (Light & Heavy)
COLUMBIA—Columbia Grey Iron Co. (Light)
DANVILLE—Danville Foundry & Machine Co. (Up to 40,000 lbs.)
DUBOIS—Dubois Iron Works.
EASTON—Easton Foundry & Machine Co.
ELLWOOD CITY — Standard Engineering Co. (Up to 25 Tons)
ERIE—Ball Engine Co. (Up to 20 Tons)
Cascade Foundry Co.
Erie Engine Works
Erie Foundry Co.
Morse Iron Works
National Foundry Co.
Walker Foundry Co.
FORD CITY—Fischer Foundry & Machine Co. (Light & Heavy)
FREEMANSBURG—Shimer, Wm. Sons & Co.
FULLERTON—Lehigh Foundry Co. (Up to 50 Tons, Rough or Machined)
GROVE CITY—Bessemer Foundry Co.
HANOVER—Heindel Mfg. Co. (One lb. to 20 Tons)
HARRISBURG—Harrisburg Foundry & Machine Works
HOLLIDAYSBURG — McLanahan-Stone Machine Co.
JOHNSTOWN—Globe Iron & Foundry Co.
Lorain Steel Co. (Specialty R. R. Castings)
Suppes Forge & Foundry Co.
LANCASTER—Blickendefer, Richard.
Hubley Mfg. Co. (Light Finished in Any Manner)
LANSDALE—Heebner & Sons
LEBANON—North Lebanon Foundry Co. (Up to 5 Tons)
Treadwell, M. H. Co. of Pennsylvania (10 to 50,000 lbs.)
McKEES ROCKS—Taylor-Wilson Mfg. Co.
MEADVILLE—Phoenix Iron Works Co.
MONONGAHELA—Monogahela Castings Co.
MOUNT JOY—Grey Iron Casting Co.
NAZARETH—Nazareth Foundry & Mach. Co.
NEW CASTLE—Douds, F. C. & Co.
NORRISTOWN—Wildman Mfg. Co. (Light)
PHILADELPHIA—Bernstein Mfg. Co., 3d & Brill, J. G. Co. Allegheny av
Creswell, Sam J. Iron Works, 23d cor. Cherry
Flagg, Stanley G., & Co.
GRISCOM-SPENCER CO., ft. Washington av. (See adv. index, end of book)
KUTZTOWN FOUNDRY & MAchine Co., 116 N Broad. (See adv. index, end of book)
Lorain Steel Co., Penna. bldg
Meerbach & Schneider, 1612 Vandike F'k'd
Morris, I. P. Co. (Up to 50 Tons), Beach Ball
North Bros. Mfg. Co., Lehigh av. and American
Philadelphia Hardware & Malleable Iron Works (Inc.) (Soft), 9th & Jefferson
Philadelphia Stove & Iron Foundry Co., 1625 N 5th
Sheppard, Isaac A. & Co., 4th & Montgomery av
Tioga Foundry Co. (Machinery & Railroad, etc.), 22d & Allegheny av
Standard Steel Works Co., Harrison bldg.
Works: Burnham, Pa.
Wharton, Wm. Jr., & Co. (Inc.), 25th & Washington av
Wood, R. D., & Co., 400 Chestnut
PITTSBURG—American Bridge Co.
Best Mfg. Co., 25th & A. V. R'y
Hydraulic Machine Co., North Side
Machintosh, Hempbell & Co.
Marshall Foundry Co., 28th & A. V. R. R.
Mesta Machine Co., Lewis bldg
Phoenix Steel Co., Inc., Putnam & P. R. R.
Pittsburg Mfg. Co., 28th & Railroad.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. R'y. (See adv. index, end of book)
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburg, Pa.
Union Foundry & Machine Co.
United Engineering & Foundry Co., Farmers' Bank bldg
Velte Foundry & Machine Co. (For Machinery, Gas Engines, etc.), North Side
Wharton, Wm., Jr., & Co., 25th & Washington, Phila., Pa.
YAGLE FOUNDRY & MACHINE Co. (Ltd.) (Heavy), 400 32d. (See adv. index, end of book)
POTTSTOWN—Keystone Foundry Co.
READING—Gray Iron Foundry Co.
Roeper-Kincaid Mfg. Co. (Machinery Castings, etc.)
SCRANTON—Barker, S. G. & Son.
SLATINGTON—Slatington Foundry, Machine & Boiler Works
SOUTH BETHLEHEM—Bethlehem Steel Co.
TATAMY—Messinger Mfg. Co.
TYRONE—Burley Heater Co.
WARREN—Allegheny Foundry Co. (For All Purposes)
WEATHERLY—Weatherly Foundry & Machine Co. (Railroad, etc.)
WILKES-BARRE—Vulcan Iron Works
WILLIAMSPORT—National Foundry Mfg. & Supply Co.
National Foundry Mfg. & Supply Co.
WRIGHTSVILLE—Susquehanna Casting Co.
YORK—Eyster, Weiser & Co. (Ltd.) (Light)
Penna. Foundry Co.

RHODE ISLAND.

HILLS' GROVE—Rhode Island Malleable Iron
PAWTUCKET—Pawtucket Fdry. Co. Works
PROVIDENCE—American Ship Windlass Co.
Brown & Sharpe Mfg. Co. (Motor Cylinder, etc.)
Builders' Iron Foundry (Heavy, for Water Works, Pipe Fittings, etc.)
Carpenter, A. & Sons Foundry Co.
Colvin Foundry Co. (All Kinds)
D & W FUSE CO. (See adv. index, end of book)
Franklin Machine Co. (1 oz. to 5 ton).
RIVER POINT—Brayton L. Foundry Co.
VALLEY FALLS—Valley Falls Iron Foundry.

SOUTH CAROLINA.

CHARLESTON—Charleston Iron Works
Riley, John F. Foundry & Machine Works

TENNESSEE.

CHATTANOOGA — American Brake Shoe & Fdry Co.
Lookout Boiler & Mfg. Co.
Ross-Meehan Foundry Co.
Southern Skein & Foundry Co., Chattanooga, Tenn.

TEXAS.

EL PASO—El Paso Foundry & Machine Co.

VIRGINIA.

CLIFTON FORGE—Clifton Forge Machine & Foundry Co.
LYNCHBURG—Lynchburg Foundry Co. (Medium & Heavy)
RICHMOND—Cameron Stove Co.
Carr, Jas. W. (All of Special)
Richmond Foundry & Mfg. Co. (Fine, Soft, Light, Plain or Machined)

WASHINGTON.

SEATTLE — Olympic Foundry Co. (Light & Heavy), Argo
Pacific Iron & Steel Works
Variety Iron Works (Light & Heavy)
Vulcan Iron Works
SPOKANE—National Iron Works.
Union Iron Works

WEST VIRGINIA.

FAIRMONT—Fairmont Mining Machinery Co. (Soft Castings)
PARKERSBURG—Stiles Foundry & Supply Co.
WHEELING—Portsmouth Steel Co. Works: Portsmouth, O.
Wheeling Mold & Foundry Co.

WISCONSIN.

CUDAHY—Power & Mining Machinery Co.
MILWAUKEE—Chain Belt Co.,
Milwaukee Malleable & Grey Iron Works, 24th av
Nortmann-Duffke Foundry Co., Layton c
Schwab, R. J. & Sons Co. 26th avs
VILTER MFG. CO., 1046 Clinton. (See adv. index, end of book)
Western Malleable & Grey Iron Mfg. Co. (Light Grey Iron & Machinery), 139 Burrell
RACINE—American Skein & Foundry Co.
Holbrook, Armstrong Iron Co. (Light & Heavy)
SOUTH MILWAUKEE—Stowell Mfg. & Foundry Co.
WEST BEND—Gehl Bros. Mfg. Co. (Up to 2000 lbs.)

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Castings (Gun Metal)

American Valve & Meter Co., Cincinnati, O.
Belcher Malleable Iron Co., Easton, Mass.
Best Mfg. Co., 25th & A. V. R'y, Pittsburg, Pa.
Builders' Iron Foundry, Providence, R. I.
Chapman, J. B. & Co., Springfield, Mass.
Crown Smelting Co., Chester, Pa.
Eureka Tempered Copper Works, North East, Pa.
Fewlass, Leen Brass & Iron Co., Cincinnati, O.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Hunt-Spiller Mfg. Corpn. ("Hunt-Spiller" Gun Iron), Boston, Mass.
Leslie Co., Inc., Lyndhurst, N. J.
LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Phila. Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Reeves, Paul S. &Son, 1413 Catharine, Phila.,
Rowell, W. G. & Co., Bridgeport, Conn. Pa
Shriver, T. & Co., Harrison, N. J.
Swoop, Julian M., 913 Girod, New Orleans, La.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
Williams, E. A. & Son, 105 Plymouth, Jersey
York Mfg. Co., York, Pa. City, N. J.

Castings (Hatfield Steel)

(See firms in Castings, Steel, with the word Hatfield following their names)

Castings (Lead)

American Tool & Machine Co., 109 Beach, Boston, Mass.
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
Kindred & Taylor, 29 Jackson, Worcester, Mass.
Liberty Brass Works, 303 W. Lombard, Baltimore, Md.
Raquette Foundry & Supply Co., Potsdam, N. Y.
Reeves, Paul S., & Son, 1415 Catherine st., Phila., Pa.
Turner Brass Works, Sycamore, Ill.
Wells Chemical Bronze Works, 219 Summer, Worcester, Mass.

*Castings (Lumen Bronze)

LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)

*Castings (Machinery)

(See also Castings, Malleable Iron; also Castings, Aluminum; Castings, Brass; Castings, Bronze; Castings, Copper; Castings, Grey Iron; Castings, Gun Metal; Castings, Manganese Bronze; Castings, Marine; Castings, Phosphor Bronze; Castings, Semi-Steel; Castings, Steel; also Machinists & Founders)

American Brake Shoe & Foundry Co. (Iron & Steel Car & Locomotive), Mahwah, N. J., & Western Union bldg, Chicago, Ill.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO. Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
MARINE ENGINE & MACHINE CO. (100 to 40,000 lbs.). Main Office: 230 W 13th, New York; Works: Harrison, N. J. (See adv. index & branch offices, end of book)
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av., Chicago, Ill. (See adv. index, end of book)
WHEELER, CHARLES CHILD (All Sizes), 113 B'way, New York. (See adv. index, end of book)
YAGLE FOUNDRY & MACHINE CO. (Ltd.). 400 32d, Pittsburg, Pa. (See adv. index, end of book)

Castings (Malleable Iron)

ALABAMA.

ANNISTON—Western Steel Car & Foundry Co. (of Chicago)

CONNECTICUT.

BRANFORD—Hammer & Co. (Hardware Specialties, etc.)
Malleable Iron Fittings Co. (Air Furnace Re- (Refined)
BRIDGEPORT—Bridgeport Malleable Iron Co
Eaton, Cole & Burnham Co. (Refined)
MIDDLETOWN—Wilcox, Crittenden & Co (Small, to Order)
MOUNT CARMEL—Woodruff, Walter W. & Son Co. (Carriage & Miscellaneous)
NAUGATUCK—Naugatuck Malleable Iron Co. (All Kinds)
NEW BRITAIN—Malleable Iron Works (Iron Castings to Order)
Vulcan Iron Works (All Kinds)
NEW HAVEN—Fitch, W. & E. T. Co. (Small to North, A. B. Co. Order)
TERRYVILLE—Terry, Andrew Co. (Keys, Hinges & Small)

DELAWARE.

WILMINGTON—Wilmington Malleable Iron Co

ILLINOIS.

BRADLEY—Bradley, David Mfg. Co.
CANTON—Parlin & Orendorff Co.
CHICAGO — Chicago Malleable Castings Co. (Refined Castings), 120th c Centre av
Chicago Malleable Iron Co., Blue Island & Western ave
Crane Co. (Gas, Steam & Water Fittings), 10 N Jefferson
Gould Coupler Co., The Rookery
Illinois Malleable Iron Co. (Pipe, Fittings, & General), 537 Diversey boul
International Harvester Co. of America (Product All Consumed by the Company)
National Malleable Castings Co. (Railroad, etc.), W 26th & Blue Island av
Pratt, Wm. E. Mfg. Co., 91 Lake
Western Steel Car & Foundry Co. (Castings, All Consumed by the Company), Old Colony bldg. Works, Anniston, Ala.
EAST MOLINE—Union Malleable Iron Co. (Refined)
EAST ST. LOUIS—Missouri Malleable Iron Co. (Carriage, Railroad, Street Car, etc.)
FRANKLIN PARK—Forster, Waterbury & Co.
GALESBURG — Galesburg Malleable Castings Co.
HOOPESTON—Hoopeston Malleable Iron W'ks
JOLIET—Pratt, Wm. E Mfg. Co.
KEWANEE—Western Tube Co. (Gas, Steam & Water Fittings, etc.)
MADISON—American Car & Foundry Co.
MOLINE—Cooper, H. W. (Small)
Union Malleable Iron Co.
ROCKFORD—Rockford Malleable Iron Works (Machinery & General)
ST. CHARLES—Faultless Stove Works
Moline Malleable Iron Co. (All Kinds)

INDIANA.

INDIANAPOLIS—National Malleable Castings Co. (Railroad, etc.)
MARION—Marion Malleable Iron Works
MICHIGAN CITY—Haskell & Barker Car Co. (Car & R. R. Castings)
MUNCIE—Whiteley Malleable Castings Co. (Agricultural, Railroad, etc.)
SOUTH BEND—Oliver Chilled Plow Works
TERRE HAUTE—Terre Haute Malleable & Mfg. Co.

IOWA.

FAIRFIELD—Iowa Malleable Co.

KENTUCKY.

PADUCAH—Lack Malleable Iron Co.

MARYLAND.

BALTIMORE—Baltimore Malleable Iron & Steel Casting Co. (Railroad, Machinery, etc.).
Symington, T. H. Co. Charles c Wells

MASSACHUSETTS.

BOSTON—Laconia Car Co. Works (For Electrical Work), 100 Boylston
Livermore, Homer F. (All Kinds), 85 Pearl
EASTON—Belcher Malleable Iron Co. (Machinery, Agricultural, etc.)
WORCESTER — Arcade Malleable Iron Co (Castings of Every Description)

MICHIGAN.

ALBION—Albion Malleable Iron Co. (Agricultural, Carriages, etc.)
BENTON HARBOR—Benton Harbor Malleable
DETROIT—Buhl Malleable Co. ble Iron Co.
Michigan Malleable Iron Co. (Car, Agricultural, etc.), St. Clair & Crossley avs,
Western Malleable Steel Co. Delray
GRAND RAPIDS — Grand Rapids Malleable Works (Railroad, etc.)
MUSKEGON—Standard Malleable Iron Co. (Agricultural, etc.)
PORT HURON—Port Huron Engine & Threshes Co.

MINNESOTA.

ST. PAUL—Northern Malleable Iron Co. (Agricultural Implement & Railroad)

MISSOURI.

ST. LOUIS—American Car & Foundry Co.
St. Louis Car Co. (Car & R. R.), 8000 N Bevay
St. Louis Malleable Casting Co., 7701 N Conduit av

NEW HAMPSHIRE.

LACONIA—Laconia Car Co. Works (For Electrical Work)

NEW JERSEY.

BLOOMFIELD—American Malleable Co.
NEWARK—Barlow Foundry Co.
Barnett, Oscar, Foundry Co. (Custom Work, Light & Medium), 105 Hamilton
Meeker Foundry Co. (All Kinds up to 200 lbs), 95 Clay
PLAINFIELD — Quincy-Manchester-Sargent Company
TRENTON—Trenton Malleable Iron Co. (All Kinds)

NEW YORK.

AUBURN—International Harvester Co. of America (All Kinds), Osborne Plant
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Acme Steel & Malleable Iron Works, 245 Military rd
Pratt & Letchworth Co. (Also Steel Cast-
CORNING—Symington, T. H. Co. ings)
DEPEW—Gould Coupler Co.
HOOSICK FALLS—Wood, Walter A., Mowing & Reaping Machine Co. (For Own Consumption)
LANCASTER—American Malleable Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Columbia Machine Works & Malleable Iron Co., 269 Chestnut

Boroughs of Manhattan & Bronx.

NEW YORK—Ajax Foundry & Machine Co., 138 Liberty
American Car & Foundry Co., 165 B'way
American Malleable Co., 170 B'way
G. & W. MFG. CO., 26 Cortlandt, (See adv. index, end of book)
JEFFREY MFG. CO., 77 Warren, (See adv. index, end of book)
Gould Coupler Co., 345 5th av
Toop, Geo. H., 2572 Park av
WHEELER, CHARLES CHILD (All Sizes), 113 B'way. (See adv. index, end of book)

(End of New York City)

ORISKANY—Oriskany Malleable Iron Co. (Ltd.) (All Kinds, Light & Heavy)
SPUYTEN DUYVIL—Johnson, Isaac G. & Co. (All Kinds)
SYRACUSE—Frazer & Jones Co. (Saddlery, Agricultural & General), 351 W Fayette
Globe Malleable Iron Co. (Automobile, etc.)
Syracuse Malleable Iron Works
TROY—Torrance Malleable Iron Co.
Troy Malleable Iron Co. (R. R., Car, Locomotive, Track Equipment & Electrical)
WESTMORELAND—Westmoreland Malleable Iron Co. (Ltd.) (Agricultural, Carriage, Saddlery & General)

OHIO.

BARBERTON—Pittsburg Valve & Fittings Co.
CANTON—Canton Malleable Iron Co. (Saddlery & General Castings)
Ebel Co. (Saddlery Hardware & Castings)
CINCINNATI—Havens Malleable Castings Co. (Carriage Hardware & Custom), Knowlton & C. H. & D. R'y

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CLEVELAND—CHISHOLM & MOORE Mfg. Co. (Light & General, Smooth & Well Annealed Castings), 49th & Lake. (See adv. index, end of book)
Eberhard Mfg. Co. (Saddlery Only), Tenny-Farmer Mfg. Co. son & C. & P. R. R.
Grabler Mfg. Co. (Small)
National Malleable Castings Co. (Railroad, etc.)
COLUMBUS—Buckeye Steel Castings Co. (Car Couplers, Chain Links & General)
Columbus Malleable Castings Co.
JEFFREY MFG. CO. (See adv. index, end of book)
OHIO MALLEABLE IRON CO. (All Kinds). (See adv. index, end of book)
DAYTON—Dayton Malleable Iron Co. (For Railroad & Car Builders)
FINDLAY—Findlay Axe & Tool Co.
IRONTON—Ironton Malleable Iron Co.
MANSFIELD—Ohio Brass Co.
MARION—American Malleable Castings Co.
SPRINGFIELD—American Seeding Machine Co. (Agricultural Implements Only)
International Harvester Co. (Champion Works)
Springfield Malleable Iron Co. (Small & Railroad Castings)
TIFFIN—Tiffin Malleable Iron & Chain Co.
TOLEDO — National Malleable Castings Co. (Railroad, etc.)
United States Malleable Iron Co. (Automobile, Carriage, R. R. & Implement)
WARREN—Trumbull Mfg. Co.
ZANESVILLE—Zanesville Malleable Co.

PENNSYLVANIA.

BEAVER DAM—Beaver Dam Malleable Iron
BERWICK—Berwick Malleable Co. Co.
EASTON—Sterlingworth Railway Supply Co. (Refined Air Furnace)
ERIE—Erie Malleable Iron Co., (All Kinds)
Jarecki Mfg. Co. (Fittings, etc., for Steam, Gas & Water)
Morse Iron Works (Castings & Pipe Fittings)
GREENBURG—Kelly & Jones Co.
McKEES ROCKS—Fort Pitt Malleable & Grey Iron Co.
Penna Malleable Co. (Small & Large R. R. Castings a Specialty)
MAHAFFEY—Howell Car & Foundry Co. (See Pittsburg, Pa.)
MEADVILLE—Meadville Malleable Iron Co. (Railroad Castings a Specialty from Refined & Furnace Iron)
NEW KENSINGTON—Allegheny Valley Malleable Iron Co.
OIL CITY — OIL WELL SUPPLY CO. (See adv. index, end of book)
PHILADELPHIA—Bancroft & Co., 5th and Chestnut
Devlin, Thos. Mfg. Co. (Carriage, Saddlery, Agricultural, Pipe Fittings, etc.), 3d & Lehigh av
Flagg, Stanley G. & Co. (Pipe Fittings, etc.), 424 N 19th
Philadelphia Hardware & Malleable Iron Works (Light), 9th & Jefferson
Sterlingworth Railway Supply Co. (Refined Air Furnace), North American bldg
PITTSBURG—Empire Machine Works, 210 3d
Fort Pitt Malleable Iron Co. av
McConway & Torley Co. (Car Couplers & R. R. Castings, etc.), 48th & A. V. R. R.
Mesta Machine Co.
OIL WELL SUPPLY CO., 215 Water. (See adv. index, end of book)
Pennsylvania Malleable Co. (Small & Large R. R. Castings a Specialty), Farmers' Bank bldg
Pittsburg Malleable Iron Co. (Air Brakes, Fittings, Electric Motor Gears & Miscellaneous), 34th & Smallman
SHARON — National Malleable Castings Co. Railroad, etc.)
STOWE—Flagg, Stanley G. & Co. (See Philadelphia, Pa.)
YORK—York Mfg. Co. (All Kinds)

RHODE ISLAND.

HILLS GROVE—Rhode Island Malleable Iron Works (All Kinds)

TENNESSEE.

CHATTANOOGA—Ross-Meehan Foundry Co. (1 oz. to 50,000 lbs.)

WASHINGTON.

PUYALLUP—Acme Malleable Iron Foundry Co.

WEST VIRGINIA.

POINT PLEASANT—West Virginia Malleable Iron Co.

WISCONSIN.

BEAVER DAM—Beaver Dam Malleable Iron Co. (All Kinds)
MILWAUKEE—Chain Belt Co.
Milwaukee Hay Tool Co.
Milwaukee Malleable & Grey Iron Works, Layton Park
Northwestern Malleable Iron Co. (Agricultural, Car, etc.), 766 Park
South Side Steel & Malleable Casting Co., Milwaukee, Wis.
Western Malleable & Grey Iron Mfg. Co., 129 Burrell
Wisconsin Malleable Iron Co., S Bay & Mound
RACINE—Belle City Malleable Iron Co. (Railroad Castings, etc.)
Lakeside Malleable Castings Co.
Racine Malleable & Wrought Iron Co. (Wagon, Carriage, Saddlery, Hardware, etc.)
SHEBOYGAN—Globe Foundry & Machine Co.
SOUTH MILWAUKEE—Badger Malleable & Mfg. Co. (For All Purposes)
Stowell Mfg & Foundry Co. (Light Castings for All Purposes)
WAUKESHA—Waukesha Malleable Iron Co. (Farm Implements, Logging Tools, etc.)
WEST ALLIS—West Allis Malleable Iron & Chain Belt Co.

Castings (Manganese Bronze)

(See Manganese Bronze Castings)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

Castings (Manganese Steel)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Blake, Edwin J., Hartford, Conn.
Brylgon Steel Casting Co. (Low Carbon for Electrical Purposes), New Castle, Del.
Chicago Steel Foundry Co., Rookery bldg, Chicago, Ill.
Crucible Steel Casting Co., Landsdowne, Pa.
Oostburg Steel Foundry (Crucible Manganese), Oostburg, Wis.
Prime Steel Co., Milwaukee, Wis.
Smith, Geo. H. Steel Casting Co., Milwaukee, Wis.
Solid Steel Casting Co., Chester, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

Castings (Marine)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Bethlehem Foundry & Machine Co. (Mooring posts, Clocks, Cleats, Davits, Deck Sleeves, etc.), Front, South Bethlehem, Pa.
Cramp, Wm. & Sons Ship & Engine Building Co., Philadelphia, Pa.
Crown Smelting Co. (Brass), Chester, Pa.
Eastwood Wire Mfg. Co. (Iron, Brass, Bronze, etc.), Belleville, N. J.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Great Lakes Engineering Works, Detroit, Mich.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
MARINE ENGINE & MACHINE CO. (100 to 40,000 lbs.), Main Office: 220 W 13th, New York; Works: Harrison, N. J. (See adv. index & branch offices, end of book)
Norwalk Brass Co. (Brass, Bronze, Aluminum, etc.), Norwalk, Conn.
Reeves, Paul S. & Son, 1413 Catherine, Philadelphia, Pa.
Solid Steel Casting Co., Chester, Pa.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

Castings (Mining)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.

Castings (Nickel Steel)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
American Steel Foundries, Main Office: Commercial Nat'l Bank, Chicago, Ill.
Bethlehem Steel Co., South Bethlehem, Pa., & 111 B'way, New York
Chicago Steel Foundry Co. (Non Corrosive), Rookery bldg, Chicago, Ill.
Crucible Steel Casting Co., Landsdowne, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Massachusetts Steel Casting Co., Everett, Mass.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
New Process Steel Co. (Vanadium), Marshall, Mich.
Taylor Iron & Steel Co., High Bridge, N. J.

THE OHIO MALLEABLE IRON COMPANY
COLUMBUS, OHIO.
OUR CASTINGS COMBINE
Ductility Of Wrought Iron Accuracy of Drop Forgings Strength of Cast Steel
Up to the Full Limit of Malleable Cast Iron Possibilities.

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Castings (Open-Hearth Steel)

(See firms in Castings, Steel, with the words Open-Hearth following their names)

Castings (Ordnance)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
Midvale Steel Co., Nicetown, Phila., Pa.

Castings (Parson's Bronze)

Cramp, Wm. & Sons, Ship & Engine Building Co., Philadelphia, Pa.
Morris, I. P., Co. (Up to 50 Ton), cor Beach & Ball, Phila., Pa.

Castings (Phosphor Bronze)

American Brass & Aluminum Co., Indianapolis, Ind.
American Valve & Meter Co., Cincinnati, O.
Anderson, A. H. (Light & Heavy), 52 N Ann, Chicago, Ill.
Attwood Brass Works (Heavy), Grand Rapids.
Bastian, C. L. Mfg. Co., 76 Illinois, Chicago, Ill.
Bay State Brass Foundry Co., 155 A st, So. B., Boston, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co., Pittsburg, Pa.
Blake, Edwin J., Hartford, Conn.
BROWN, A. & F., CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Chapman, J. B. & Co., Springfield, Mass.
Clum & Atkinson, Rochester, N. Y.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co., Allegheny, Pa.
Darling Pump & Mfg. Co., Williamsport, Pa.
Edna Smelting & Refining Co., 525 Reading rd, Cincinnati, O.
Elyria Machine Parts Co., Elyria, O.
Emory, P. P., Mfg. Co., Springfield, Mass.
Enterprise Foundry Co., Detroit, Mich.
Eureka Tempered Copper Works, North East, Pa.
Eynon-Evans Mfg. Co., 1509 Clearfield, Philadelphia, Pa. & 32 B'way, New York
Fewlass, Leen Brass & Iron Co., 456 E. 2d, Cincinnati, O.
Friese Co., 91 Main, Buffalo, N. Y.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Hackett Bros., Detroit, Mich.
Higgins & Co., Holyoke, Mass.
Hoban Brass Foundry Co., 44 Wyandot, Dayton, O.
Holton & Weatherwax Co., Ltd., Jackson, Mich.
Industrial Pattern & Bronze Co., Cleveland, O.
Johnson Service Co., Milwaukee, Wis. York
Krisher's Brass Foundry, Akron, O.
Krouse, Geo. (Heavy), Jersey City, N. J.
Langsenkamp-Wheeler Brass W'ks, 1208 Shelby, Indianapolis, Ind.
Leffel, Jas. & Co., Springfield, O.
Lehigh Valley Cornice Works, Bethlehem, Pa.
Leslie Co. (Inc.), Lyndhurst, N. J.
Long & Stillman, 149 B'way, New York
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
McCartney, Josiah, Bay City, Mich.
McHatton Smelting Co., 1500 Washington av, Philadelphia, Pa.
Mansfield Tempered Copper Co., Mansfield, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Messmer, Ferd. Mfg. Co., St. Louis, Mo.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
Milwaukee Ornamental Metallic Mfg. Co., 316 Lake
Minneapolis Brass & Iron Mfg. Co., Minneapolis, Minn.
Newell, Fred. E., Central Falls, R. I.
Norwalk Brass Co., Norwalk, Conn.
Ohio Brass Co. Mansfield, O.
Phosphor Bronze Smelting Co., 2200 Wash'n av, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
Pittsburg Brass Mfg. Co., Penn av & 32d, Pittsburg, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Reeves, Paul S. & Son, 1413 Catherine, Philadelphia, Pa.
Richardson, Edro, 316 N Holliday, Baltimore.
Riverside Metal Co., Riverside, N. J. Md.
Russell Engine Co., Massillon, O.
Rowell, W. G., Co., Bridgeport, Conn.
ST. PAUL FOUNDRY CO., Como av. & Mackubin, St. Paul, Minn. (See adv. index, end of book)
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Union Brass Foundry Co., Lowell, Mass.
United Engineering & Foundry Co. (All Weights), Farmers B'k bldg, Pittsburg, Pa.
U. S. Bronze Co., 1831 Columbus rd, N W. Cleveland, O.
Ward & Williams, Hancock, Mich.
Watson, Frye & Co., Bath, Me.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
Williams, E. A. & Son, 105 Plymouth, Jersey City, N. J.

*Castings (Puddled Semi-Steel)

LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Castings (Railroad)

(See also Castings, Malleable Iron; Castings, Aluminum; Castings, Brass; Castings, Bronze; Castings, Copper; Castings, Grey Iron; Castings, Gun Metal; Castings, Phosphor Bronze; Castings, Steel; Machinists & Founders)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn. (See adv. index, end of book)

Castings (Rock Crusher)

American Brake Shoe & Foundry Co. (Iron & Steel Car & Locomotive, etc.), Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Chester Steel Castings Co., Chester, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Green's Car Wheel Mfg. Co. (Chilled), St. Louis, Mo.
Pennsylvania Steel Co. ("Manard" Steel), Girard bldg., Phila., Pa.
Phila. Roll & Machine Co., S 23d & Wash'n av, Philadelphia, Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Solid Steel Casting Co., Chester, Pa.
Steele & Condict (Inc.) (Also for Elevators & Screens), Jersey City, N. J.
Taylor Iron & Steel Co., High Bridge, N. J.
YAGLE FOUNDRY & MACHINE CO. (Ltd.) (For Blake Crushers), 400 32d, Pittsburg, Pa. (See adv. index, end of book)

Castings (Rolling Mill & Furnace)

(This List is Duplicated under Head of "Machinists & Founders")

(See also Machinery, Rolling Mill; also Rolls, Sand & Chilled)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
American Foundry & Construction Co., 4716 2d av, Pittsburg, Pa.
American Sheet & Tin Plate Co., Canton, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Braddock Machine & Mfg. Co., Braddock, Pa.
Cooper, C. & G. Co., Mt. Vernon, O.
Fischer Foundry & Machine Co., Fort City, Pa.
Garrison, A. Foundry Co., Pittsburg, Pa.
Hyde Park Foundry & Machine Co., Hyde Park, Pa
Lewis Foundry & Machine Co., Coraopolis, Pa
Mackintosh, Hemphill & Co., ft 12th, Pittsburg, Pa
Marshall Foundry Co., 28th & A. V. R. R., Pittsburg, Pa.
Massillon Iron & Steel Co., Massillon, O.
Mesta Machine Co., Pittsburg, Pa.
National Brake & Electric Co., Milwaukee, Wis.
National Gear Wheel & Foundry Co., South av & Walker, Allegheny, Pa.
Newbold, R. S. & Son Co. (Heavy), Norris-town, Pa.
Ohio Machine Co., Middleport, O.
Penna. Engineering Works, New Castle, Pa.
Phila. Roll & Machine Co., S 23d & Wash'n av, Philadelphia, Pa.
Reading Iron Co., Reading, Pa.
Riverside Foundry Co., 2021 Carter rd., N. W., Cleveland, O.
Sharon Foundry Co., Sharon, Pa.
Solid Steel Casting Co., Chester, Pa.
Sterling Steel Foundry Co., Pittsburg, Pa.
Sterritt, Thomas Foundry Co., Pittsburg, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Pittsburg, Pa.
Valley Iron Works, Williamsport, Pa.
Velte Foundry & Machine Co., Home & A. V. R. R., Pittsburg, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
YAGLE FOUNDRY & MACHINE CO. (Ltd.), 400 32d, Pittsburg, Pa. (See adv. index, end of book)
Youngstown Foundry & Machine Co., Youngstown, O.

Castings (School Desk & Open Chair)

Woodruff & Edwards Co., Elgin, Ill.

Castings (Semi-Steel)

Allegheny Foundry Co., Warren, Pa.
American Sheet & Tin Plate Co., Roll & Machine Works, Canton, O.
Ball Engine Co. (Up to 20 Tons), Erie, Pa.
Best Mfg. Co., 25th & A. V. R'y, Pittsburg, Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry (Heavy), Derby, Conn.
Brady, Jas. A. Foundry Co., 35th & S Ashland av, Chicago, Ill.
Buckeye Steel Castings Co., Columbus, O.
Buffalo Foundry & Machine Co. (Up to 200 Tons), Buffalo, N. Y.
Elmira Heater & Foundry Co., Elmira, N. Y.
Farrel Foundry & Machine Co. (Heavy), Ansonia, Conn.
Featherstone Foundry & Machine Co., 348 N. Halsted, Chicago, Ill.
Francis & Nygren Foundry Co. (For Ammonia Castings, Smelting & Acid Kettles, Gears, etc.), Chicago, Ill.
Keystone Steel Casting Co., Chester, Pa.
Lake Erie Engineering Works (Heavy, Rough & Machined), Buffalo, N. Y.
Malleable Iron Fittings Co. (Homogenous Metal), Branford, Conn.
Mesta Machine Co., Pittsburg, Pa.
Raquette Foundry & Supply Co., Potsdam, N. Y.
Shriver, T. & Co., Harrison, N. J.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engineering & Foundry Co., Farmers Bk. Bldg., Pittsburg, Pa.
Walker Foundry Co., Erie, Pa.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
Worcester Steel Foundry Co. (Crucible, 1 to 1,000 lbs.)
Wilmington Malleable Iron Co., Wilmington, Del.
Wollaston Foundry Co., Wollaston, Mass.

Castings (Sewer)

(See Manhole Covers; also Sewer Inlet Manufacturers)

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*Castings (Sidewalk & Vault Light)

CANTON FOUNDRY & MACHINE CO. (Illuminating), Canton, O. (See adv. index, end of book)

Castings (Steam Fitters')

(See Fittings, Various Kinds)

Castings (Steel)

(This List is Duplicated under Head of Machinists & Founders)

ALABAMA.

BIRMINGHAM—Birmingham Steel & Iron Co. (Basic Open Hearth; General Machinery Castings)
Southern Steel Co. (Basic Open Hearth, All Consumed by the Company)
Tennessee Coal, Iron & R. R. Co. (Basic Open Hearth Gears, Rolls, Engine Parts, etc.)

CALIFORNIA.

LOS ANGELES—Potter, John A.
SAN FRANCISCO — Doble, Abner Co. (Basic Open Hearth)
Pacific Jupiter Steel Co. (Acid Open Hearth & Crucible)
Union Iron Works Co. (Tropenas, for Company's Own Use)

COLORADO.

DENVER — American Brake Shoe & Foundry Co. (See Chicago, Ill.)
Colorado Fuel & Iron Co. (Bessemer & Open Hearth, for Company's Own Use)

CONNECTICUT.

BRANFORD — Malleable Iron Fittings Co. (Acid Open Hearth & Tropenas)
COLLINSVILLE—Collins Co. (Crucible, all consumed by the company)
NEW HAVEN—American Steel & Wire Co. (Acid Open Hearth)

DELAWARE.

NEW CASTLE—Baldt Steel Co. (Acid Open Hearth, up to 50 tons each)
Brylgon Steel Casting Co. (Bookwalter & Manganese Steel, Cut Gear Blanks, Motor Frames, etc.)
WILMINGTON—Tropenas Steel Co. (Tropenas Steel)

DISTRICT OF COLUMBIA.

GIESBORO MANOR — Firth-Sterling Steel Co. (Acid & Basic Open Hearth). Main Office: McKeesport, Pa.
WASHINGTON—Naval Gun Factory, U. S. Naval Yard (Tropenas)

ILLINOIS.

BRADLEY—Bradley, David, Mfg. Co. (Crucible Steel Plow Shares)
CHICAGO—American Brake Shoe & Foundry Co. (Tropenas & Crucible)
American Steel Foundries (Acid Open Hearth & Crucible up to any Weight) Commercial Nat'l B'k Bldg.
Armor Steel & Foundry Co. (Acid Open Hearth; also Casting by the Gebhard Process), First Nat'l Bank. Works: Indiana Harbor, Ind.
Chicago Steel Foundry Co. (High Manganese & High Carbon Crucible; also Magnetic for Electrical Purposes) Rookery Bldg.
Crane Co. (Soft Zenzes)
Illinois Steel Co. (Bessemer & Open Hearth, for Company's Own Use)
Inland Steel Co. (Open Hearth up to any Weight), 164 Dearborn; Works: Indiana Harbor, Ind.
Latrobe Steel & Coupler Co., Old Colony bldg
Link Belt Co. (Zenzes, all Consumed by the Company)
National Car Coupler Co. (Acid Open Hearth; 1 to 500 lbs), Monadnock blk. Works: Attica, Ind.
Otis Elevator Co. (Schwartz Steel Castings)
CHICAGO HEIGHTS—American Brake Shoe & Fdry Co. (Tropenas & Crucible)
EAST ST. LOUIS—American Steel Foundries (Crucible, Acid Open Hearth, up to Any Weight). Main Office, Chicago, Ill.
GRANITE CITY—American Steel Foundries (Acid. Open Hearth & Crucible, up to Any Weight). Main Office, Chicago, Ill.
Commonwealth Steel Co. (Basic Open Hearth). Office, St. Louis
INDIANA HARBOR—American Steel Foundries (Acid Open Hearth & Crucible, up to Any Weight). Main Office, Chicago, Ill.
MELROSE PARK—Latrobe Steel & Coupler Co. (Basic Open Hearth)

INDIANA.

ATTICA—National Car Coupler Co. (Acid Open Hearth). Office, Chicago, Ill.
INDIANA HARBOR—American Steel Foundries (Acid Open Hearth, Car, Locomotive & Other Steel Castings), Office, Chicago, Ill.
MATTHEWS—Armor Steel & Foundry Co. (Acid Open Hearth; also Castings by the Gebhard Process). Office, Chicago, Ill.
MICHIGAN CITY—Haskell & Barker Car Co.
MONTPELIER—National Steel Casting Co. (Acid Open Hearth Car Couplers, Knuckles & General Castings)
MUNCIE—Whiteley Malleable Castings Co. ("Whiteley's Crocon," for Automobiles, Pneumatic Tools, Gas Engines, etc.)
Whiteley Steel Co. (High Grade, Small)

IOWA.

DAVENPORT—Bettendorf Axle Co.
SOUTH BEND—Oliver Chilled Plow Works (Crucible, all Consumed in Their Works)
DES MOINES—Des Moines Bridge & Iron Works
LONE TREE—Zimmerman Steel Co.

MARYLAND.

BALTIMORE — Baltimore Malleable Iron & Steel Casting Co. (Tough), Charles c Wells
ELLICOTT MACHINE CO., Bush & Severn. (See adv. index, end of book)
Maryland Steel Co., Sparrows Point

MASSACHUSETTS.

BOSTON—Eastern Steel Casting Co. (Crucible)
Lundin Steel Casting Co. (Hard & Soft Crucible for Automobiles, Machinery, Tools, Dies, etc.)
EVERETT — Massachusetts Steel Casting Co. (Acid Open Hearth & "Tropenas"
HYDE PARK—New England Steel Casting Co (Crucible)
LYNN—General Electric Co. (Acid, Open Hearth & Crucible)
MILLBURY—Oakley Steel Foundry Co. (Crucible, 1 to 1.000 lbs.)
WEST WAREHAM—Trement Nail Co. (Bessemer)
WORCESTER—Arcade Malleable Iron Co. (All Worcester Malleable Iron Works Kinds)
Worcester Steel Foundry Co. (Crucible, 1 to 1,000 lbs.)

MICHIGAN.

ADRIAN—Adrian Steel Casting Co. (Crucible Steel for Light Machinery a Specialty)
BAY CITY—Industrial Works (Basic, Open Hearth, for Their Own Use)
DETROIT—Detroit Steel Casting Co. (Robert —Bessemer & Basic Open Hearth) 1243 Michigan av
Michigan Crucible Steel Castings Co. (Light Crucible, Specialty Automobile Castings)
Monarch Steel Casting Co. (Acid Open Hearth)
Western Malleable Steel Co. (Malleable Steel for Automobiles, Pneumatic Tools, Gas Engines, etc.)
HOUGHTON—Carroll Foundry (Modified Tropenas)
KALAMAZOO—Reed Mfg. Co. (Crucible for Automobiles, Machinery, etc.)
MARSHALL—New Process Steel Co. ("Nickle-Vanadium" & Crucible)
MENOMINEE — Prescott Co. (Basic Open Hearth, Electrical, etc.)

MINNESOTA.

MINNEAPOLIS—Washburn Steel Castings & Coupler Co. (Acid Open Hearth)
ST. PAUL—**AMERICAN HOIST & DERrick Co.** (Tropenas.) (See adv. index, end of book)

MISSOURI.

KIRKWOOD—Natural Power Co.
ST. LOUIS—American Steel Foundries (Acid Open Hearth & Crucible Up to Any Weight), Frisco Bldg., Main Office, Chicago, Ill.
Commonwealth Steel Co. (Basic Open Hearth). Works, Granite City, Ill.
Curtis & Co. Mfg. Co. (Manganese, High Carbon, Chrome & Soft Castings of Bessemer & Open Hearth)
Scullin-Gallagher Iron & Steel Co. (Open Hearth, up to 60,000 lbs.), Kraft & Manchester av

NEW JERSEY.

CHROME—Chrome Steel Works (Acid & Basic Open Hearth & Crucible)
HIGH BRIDGE—Taylor Iron & Steel Co. (Hatfield-Taylor Manganese, Nickel, Chrome, etc.; Also Armor Piercing Projectiles)
MAHWAH—American Brake Shoe & Foundry Co. (Crucible)
NEWARK—Atha Steel Casting Co. (Special Bessemer, Acid & Basic Open Hearth)
Riverside Steel Casting Co. (Crucible, one lb. to 1,000 lbs.)
OXFORD—American Steel Corporation (Wills, Steel Castings)
RAHWAY—New Jersey Steel Co. (Special Bessemer & Acid Open Hearth)

NEW YORK.

BUFFALO—Acme Steel & Malleable Iron Works, Buffalo, N. Y.
American Brake Shoe & Fdry Co. (Crucible)
Buffalo Crucible Castings Co (Small Crucible Castings & Ingots)
Buffalo Foundry & Machine Co. (Up to 200 Tons)
Lackawanna Steel Co. (Bessemer & Open Hearth for Their Own Use)
Niagara Forged Steel Co. (Basic Open Hearth); Works, Depew, N. Y.
Pratt & Letchworth Co. (Acid Open Hearth)
Rippel, E. G., Steel Foundry Co. (Crucible)
Strong Steel Foundry Co.
DEPEW—Gould Coupler Co. (Basic Open Hearth)
Niagara Forged Steel Co. (Basic Open Hearth). See Buffalo, N. Y.
LOCKPORT—Drew, E. H. (Crucible).

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

NEW YORK—American Brake Shoe & Fdry Co., Hudson Terminal bldg. Works. Chicago Heights, Ill.
American Bridge Co. (Acid Open Hearth), 30 Church
American Steel Foundries (Acid Open Hearth, Crucible up to Any Weight), Hudson Terminal bldg.
Bethlehem Steel Co., 111 B'way
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
Gould Coupler Co. (Basic Open Hearth), 345 5th av. Works, Depew, N. Y.
Johnson, Isaac G., & Co. (Acid Open Hearth, Crucible, Tropenas, Steel Castings & Special Electric Metal of High Permeability), Spuyten Duyvil
Milliken Bros., Inc. (Basic Open Hearth for their own use)
Newport News Shipbuilding & Dry Dock Co. (Tropenas), 30 Church. Works, Newport News, Va.
Pennsylvania Steel Co. (Acid Open Hearth & Crucible), 71 B'way. Works, Steelton, Pa. Main office, Philadelphia, Pa.
WHEELER, CHARLES CHILD (All Sizes), 113 B'way. (See adv. index, end of book)

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OHIO.

AKRON—Christy Steel Co. (Crucible, for Automobiles & Machinery Parts, etc.)
ALLIANCE — American Steel Foundries (Acid Open Hearth & Crucible up to any weight). Main office, Chicago, Ill.
BUCYRUS—Bucyrus Steel Casting Co. (Basic Open Hearth up to 50,000 lbs.)
CANTON—Shull Steel Castings & Mfg Co.
CINCINNATI — LUNKENHEIMER CO. (Special Steel Castings). (See adv. index, end of book)
CLEVELAND—American Steel & Wire Co. (Acid & Basic Open Hearth, for the Company's own use)
Bruce-Macbeth Engine Co.
Cleveland Steel Casting Co. (Acid Open Hearth, Heavy)
National Malleable Castings Co. (Open Hearth)
Otis Steel Co. (Acid & Basic Open Hearth from 100 to 75,000 lbs.)
Stamp, C. E. & Co. Crucible)
Wellman-Seaver-Morgan Co. (Basic Open Hearth)
West Steel & Iron Casting Co. (Tropenas, Small & Medium)
COLUMBUS—Bonney-Floyd Co. (Tropenas & Crucible, Medium & Small)
Buckeye Steel Castings Co. (Basic Open Hearth)
LIMA—Ohio Steel Foundry Co. (Acid & Basic Open Hearth)
MARION—Marion Steel Shovel Co. (Robert Bessemer, all consumed by their company)
MIDDLETOWN—AMERICAN ROLLING Mill Co. (Heavy Basic, Open Hearth). (See adv. index, end of book)
PORTSMOUTH—Portsmouth Steel Co. (Open Hearth)
STEUBENVILLE—La Belle Iron Works (Basic Open Hearth, General Mill Castings)
TOLEDO—Sutton, C. E., Co. (Tropenas).
WELLSVILLE — Menough Foundry Co. (Adams Steel Castings)
PORTSMOUTH—Portsmouth Steel Co. (Open Hearth)
YOUNGSTOWN—Youngstown Foundry & Machine Co. (Acid Open Hearth, 1 lb. to 100,000 lbs., Rough or Machined)

PENNSYLVANIA.

AVONMORE—Keystone Steel Foundry Co. (Crucible & McHaffie)
BEAVER FALLS—Keystone Driller Co. (Modified Bessemer, for their own use)
chine Co. (Acid Open Hearth)
BRADDOCK—Sterling Steel Foundry Co. (Acid Open Hearth)
BURNHAM—Standard Steel Works Co. (See Phila., Pa.)
CARNEGIE—Scott Iron & Steel Co.
CHAMBERSBURG—Chambersburg Engineering Co. (Acid Open Hearth, Heavy)
CHESTER—American Steel Foundries (Acid Open Hearth & Crucible up to any Weight), Main Office, Chicago, Ill.
Chester Steel Castings Co. (Open Hearth, Up to 60,000 Pounds). Office, Phila., Pa.
Federal Steel Foundry Co. (Acid Open Hearth for Machinery Engines, Ships, Locomotives, etc.)
Keystone Steel Casting Co. (Crucible & McHaffie Steel up to 2,000 lbs.; Steel Gear Castings a Specialty)
Penn Steel Casting & Machine Co. (Acid Open Hearth & Tropenas, 40 to 80,000 lbs.)
Seaboard Steel Casting Co. (Acid Open Hearth, up to 80,000 lbs.)
Solid Steel Casting Co. (Acid Open Hearth)
COATSVILLE—Lukens Iron & Steel Co. (Open Hearth for Their Own Use)
CORAOPOLIS—Duquesne Steel Foundry Co. (See Pittsburg)
ERIE—National Foundry Co. (Acid Open Hearth Railroad & Machinery Castings)
FORD CITY—Fisher Foundry & Machine Works (Bessemer & Acid Open Hearth for their own use)
FRANKLIN—American Steel Foundries (Acid Open Hearth & Crucible up to any Weight), Main Office Chicago, Ill.
GLASSPORT—Pittsburg Steel Foundry (Acid Open Hearth up to 60,000 lbs.), Office Pittsburg, Pa.
JOHNSTOWN—Cambria Steel Co. (Open Hearth), Main Office, Phila., Pa.
Lorain Steel Co. (Acid Open Hearth), Office, Philadelphia, Pa.
LANCASTER—Carbon Steel Castings Co.
LANSDOWNE—Crucible Steel Casting Co. Crucible Automobile & Mach Castings, etc., 1 to 200 lbs.)
LEBANON—Lebanon Steel Casting Co. (Small Crucible)
McKEESPORT—Firth Sterling Steel Co. (Acid & Basic Open Hearth). Works: Glesboro Manor, D. C.
McKEES ROCKS—Fort Pitt Malleable Iron Co. (Miscellaneous Open Hearth)
Fort Pitt Steel Casting Co. (Modified Bessemer)
Pennsylvania Malleable Iron Co. (See Pittsburg, Pa.)
NAZARETH—Nazareth Foundry & Machine Co.
NEW BRIGHTON—Damascus Crucible Steel Casting Co. (Crucible)
OIL CITY—National Transit Co. (Crucible & Schwartz for their own use)
PHILADELPHIA—Cambria Steel Co. (Open Hearth), Arcade bldg. Works, Johnstown, Pa
Chester Steel Castings Co. (Open Hearth Up to 60,000 lbs.), 407 Sansom
Flagg, Stanley G. &. Co., 424 N 19th, Phila., Pa.
Lorain Steel Co. (Acid Open Hearth), Penna. bldg. Works, Johnstown, Pa.
Midvale Steel Co. (Open Hearth & Crucible for Gun Carriage Mounts, etc., & Armor Piercing Shot & Shell), Nicetown
Pennsylvania Steel Co. (Acid Open Hearth & Crucible), Girard bldg. Works: Stealton, Pa.
Phoenix Iron Co., (Open Hearth), 410 Walnut. Works: Phoenixville, Pa.
Standard Roller Bearing Co. (Crucible), 48th & Lancaster av.
Standard Steel Works Co. (Acid Open Works, Burnham, Pa.
Wharton, Wm., Jr., & Co. (Tropenas Process), 25th & Washington av.
PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)
PITTSBURG—Allegheny Steel Co. (Small Basic Open Hearth)
American Bridge Co. (Acid & Basic Open Hearth)

HENDRICKS COMMERCIAL REGISTER

IT IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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American Steel Foundries (Acid Open Hearth & Crucible up to Any Weight), Main office, Chicago, Ill.
Carnegie Steel Co. (Basic & Bessemer, for their own use)
Duquesne Steel Foundry Co. (Acid Open Hearth & Tropenas). Works: Kendall Station, Pa.
Hydraulic Machine Co. (Acid & Basic Open Hearth)
Jones & Laughlin Steel Co. (Open Hearth)
Mackintosh, Hemphill & Co. (Acid Open Hearth)
McConway & Torley Co. (Acid Open Hearth)
Mesta Machine Co. (Acid Open Hearth).
Pennsylvania Malleable Co. (Acid Open Hearth, Small & Large R. R. Castings). Works, McKees Rocks, Pa.
Pittsburg Steel Foundry (Acid & Basic Open Hearth, up to 60,000 lbs.)
Sterling Steel Foundry Co. (Acid Open Hearth, Rolling Mill, Locomotive & Mining Machinery, etc), Frick Bldg.
Union Steel Casting Co. (Acid Open Hearth)
United Engineering & Foundry Co. (Acid Open Hearth, All Weights)
Valte Foundry & Machine Co. (Modified Tropenas), North Side
READING—Reading Steel Casting Co. (Tropenas)
SHARON—American Steel Foundries (Acid Open Hearth & Crucible up to Any Weight). Main Office, Chicago, Ill.
National Malleable Castings Co. (Acid & Basic Open Hearth, R. R. Castings & Motor Gear Blanks)
Sharon Foundry Co. (Acid, Open Hearth)
SOUTH BETHLEHEM—Bethlehem Steel Co. (Open Hearth)
STEELTON—Pennsylvania Steel Co. (See Phila., Pa.)
VAUDERGRIFT — United Engineering & Foundry Co. (See Pittsburg, Pa.)
VERONA—General Castings Co. (Acid Open Hearth)
WILLIAMSPORT—Sweets Steel Co. (Basic Open Hearth) Works

RHODE ISLAND.

HILLSGROVE—Rhode Island Malleable Iron Works

TENNESSEE.

CHATTANOOGA—Southern Steel Works (Tropenas)

VIRGINIA.

NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Tropenas). Office, New York

WASHINGTON.

SEATTLE——Cascade Steel Foundry Co. (Basic Open Hearth)

WEST VIRGINIA.

WHEELING—Portsmouth Steel Co. (Open Hearth). Works, Portsmouth, O.

WISCONSIN.

MILWAUKEE—Chain Belt Co. (Crucible)
Crucible Steel Castings Co. (Crucible up to 1,200 lbs.)
Dutcher Co. (Acid Open Hearth).
Falk Co. (Acid Open Hearth), ft. 30th
Maynard Steel Foundry Co. (Crucible).
Milwaukee Steel Foundry Co. (Special Converter Steel Castings)
National Brake & Electric Co. (Crucible & Acid Open Hearth)
Nortmann-Duffke Foundry Co. (Crucible)
Prime Steel Co. (Crucible).
Smith, Geo. H., Steel Casting Co. (Special Converter Steel Castings)
OOSTBURG—Oostburg Steel Foundry (Cru-
RACINE—Racine Steel Casting Co. cible)
SOUTH MILWAUKEE—Bucyrus Co. (Basic Open Hearth for Their Own Use)
WEST ALLIS—Gerlinger Steel Casting Co. (Crucible for Auto, Electric Mining Machinery, etc.)

Castings (Steel Dredge)

(See Castings, Dredge)

Castings (Stone Crusher)

(See Castings, Rock Crusher)

Castings (Sugar House)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Castings (Tropenas Steel)

(See also firms in Castings, Steel, with the word Tropenas following their names)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Tropenas Steel Co., New Castle, Del.

Castings (Tubal Bronze)

Reeves, Paul S., & Son, 1415 Catharine, Phila., Pa.

Castings (Vacuum Pan)

Allentown Foundry & Machine Works, Allentown, Pa.

Castings (Vanadium Steel)

(See also firms in Castings, Steel, with the word Vanadium following their name)

Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
New Process Steel Co., Marshall, Mich.
United Steel Co., Canton, O.

Castings (Veeder Metal)

Veeder Mfg. Co. (For Small Gears, Pinions, Counter Wheels for Voting Machines, Cash Registers, etc.), Hartford, Conn.

Castings (Water Works)

(See Cast Iron Pipe Manufacturers, Gas & Water; also Valves, Gate, for Water Mains; also Sewer Manhole Covers; also Fittings, Water Works)

Castings (White Metal)

Bancroft & Co., Drexel Bldg., Philadelphia, Pa.
Capitol Brass Works, Detroit, Mich.
Clum & Atkinson ("Plata," White Brass), Rochester, N. Y.
Donovan, P. J., Brass Foundry Co., Bridgeport, Conn.
Franklin, H. H., Mfg. Co., Syracuse, N. Y.
Hackett Bros., Detroit, Mich.
Hardoin, N., Detroit, Mich.
Legler-Ellerman Co., Dayton, O.
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
Ohio Brass Co., Mansfield, Ohio.
Pevey Bros., Lowell, Mass.
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Reeves, Paul S. & Son, 1415 Catharine, Phila, Pa.
Riverside Metal Co., Riverside, N. J.
Vandusen, E. W. Co., Cincinnati, Ohio.
Van Wagner, E. B. Mfg. Co., Syracuse N. Y.
Veeder Mfg. Co., Hartford, Conn.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

Castings (Zinc)

Anderson, A. H., 52 N Ann, Chicago, Ill.
Gerock Bros. Mfg. Co., 1252 Manchester av. St. Louis, Mo.
Liberty Brass Works, 303 W. Lombard, Baltimore, Md.
Reeves, Paul S., & Son, 1415 Catharine, Phila., pa.
Syracuse Aluminum & Bronze Co., Syracuse, N. Y.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, Ohio
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

Catch Basins & Covers

(See Basins, Catch; also Sewer Inlets)

Catchers (Grass)

F. & N. Lawn Mower Co. ("F. & N."), Richmond, Ind.
Hasseries, Carl ("The Leader"), Central & Woodland av, Cleveland, O.
Specialty Mfg. Co. ("Leader," "Easy Emptying"), St. Anthony Park, Minn.
Supplee Hardware Co. ("Braun" Penna. Golf), 503 Market, Phila., Pa.
WHITMAN & BARNES MFG. CO. ("Diamond"), Chicago, Ill. (See adv. index & branch offices, end of book)

Catchers (Mail)

Columbian Mail Crane Co. ("Columbian" Steel), 898 Factory, Columbus, O.
Taylor & Bogges Foundry Co., Cleveland, O.

Catches (Cupboard)

American Hardware Mfg. Co., Ottawa, Ill.
Brass Goods Mfg. Co., Nevin, cor. Union, Brooklyn, N. Y.
Champion Safety Lock Co., Geneva, O.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Hunt, Helm, Ferris & Co. ("Star" Cupboard, Screen Door, etc.), Harvard, Ill.
Mallory, Wheeler Co., New Haven, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co. (Steel, Brass & Bronze, Polished), Shelby, O.
Yale & Towne Mfg. Co., 9 Murray, New York

Catches (Door)

American Hardware Mfg. Co. ("American," for Screen & Cabinet Doors), Ottawa, Ill.
Automatic Door Catch Co, 218 E 57th, Chicago, Ill.
Brainerd Mfg. Co., Despatch, N. Y.
Cheney, S. & Son (Barn), Manlius, N. Y.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Onward Mfg. Co. (Automatic), Menasha, Wis.
Peck, Stow & Wilcox Co., 27 Murray, New York
Reading Hardware Co. (Barn), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. & 96 Lafayette, New York
Scofield & Co., Freeport, Ill.
Stearns, E. C. & Co. (Barn Door), Syracuse, N. Y.
Watrous Mfg. Co. (Automatic), Des Moines, Ia.
Williams, A. C., Ravenna, O.
Yale & Towne Mfg. Co. (Screen, etc.), 9 Murray, New York

Catches (Elbow)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Catches (End Gate)

Sovereign, C. E. Co., Rockford, Ill.

Catches (Transom)

Champion Safety Lock Co., Geneva, O.
Peck, Stow & Wilcox, 27 Murray, New York
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., Stamford, Conn.

Catches (Window)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Catchers & Retrievers (Trolley)

Central Laboratory Supply Co., Lafayette, Ind.
Harn Sand Box Co. ("Trojan"), Troy, N. Y.
Lord Electric Co. ("Earl"), 213 W. 40th, New York
Milloy Electric Co., Bucyrus, O.
Ridlon, Frank Co., 251 A, Boston, Mass.
Shanahan Trolley Specialty Co., Little Falls, N. Y.
Stearns, E. C., & Co. ("Milloy"), Syracuse, N. Y.
Trolley Supply Co. ("American," "Knutson," "Peerless"), Canton, O.
Wilson Trolley Catcher Co. (Sole U. S. Agents for the "Wilson"), Boston, Mass.
Wilson & Co. (Sole Mfrs. of the "Wilson"), 430 Kent av., Brooklyn, N. Y.

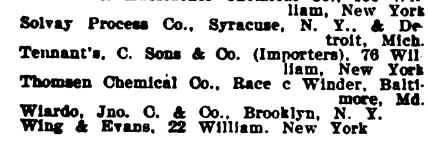
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Caustic Soda

Acker Process Co., Niagara Falls, N. Y.
American Chemical Co. (Also Powdered), Cincinnati, O.
Castner Electrolytic Alka Co., Niagara Falls, N. Y.
Clark, Fred. G. Co. (For Wholesale Trade Only), Cleveland, O.
Columbia Chemical Co., Pittsburg, Pa., Works:—Barberton, O.
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Mathieson Alkali Works ("Eagle" & "Thistle" Brands, 70, 72, 74 & 76 per cent.), Providence, R. I., & Saltville, Va.
Mechling Bros. Mfg. Co. (Powdered), Phila..
Michigan Alkali Co., Wyandotte, Mich. Pa.
Penna Salt Mfg. Co., 115 Chestnut, Philadelphia, Pa
Roessler & Hasslacher Chemical Co., 100 William, New York
Solvay Process Co., Syracuse, N. Y., & Detroit, Mich.
Tennant's, C. Sons & Co. (Importers), 76 William, New York
Thomsen Chemical Co., Race c Winder, Baltimore, Md.
Wiardo, Jno. C. & Co., Brooklyn, N. Y.
Wing & Evans, 22 William. New York

*Ceiling Board

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)



*Ceilings (Concrete Fireproof)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Ceilings ("Gypsite" Tile)

Detroit Fireproofing Tile Co. (Suspended from Wood Joist or "I" Beams), Pittsburg, Pa.

Ceilings (Marbleized Glass)

Denzi & Phillips, 24 Dey, New York
Federal Tile Co. (Glass), 131 W 24th, New York
Manhattan Glass Tile Co. (Glass Tile), 218 7th av, New York
Mansfield & Co., 158 Chambers. New York

Ceilings (Marbleized Steel)

Brooklyn Metal Ceiling Co., 283-287 Greene av, Brooklyn, N. Y.

Ceilings (Sheet Steel)

Acme Sheet Metal Co., Martins Ferry, O.
American Metal Ceiling Co., 215 Montague, Brooklyn, N. Y.
American Metal Stamping Co. (Light Balancing Selective Diffuser Ceilings), 20 E. Herman, Gtn., Phila., Pa.
AMERICAN ROLLING MILL CO., Middletown, O. (See adv. index, end of book)
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Brooklyn Metal Ceiling Co., 283-287 Greene av, Brooklyn, N. Y.
BURTON, W. J. CO., 161 W. Congress. Detroit, Mich. (See adv. opp. page 203)
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
Dickelman Mfg. Co., Forest, O.
EDWARDS MFG. CO., 545-565 Eggleston av. Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., Canton, O.
Foster, Wm. & Sons Co., Springfield, Ill.
FRIEDLEY-VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. opp. page 203)
Kanneberg Roofing & Ceiling Co., Canton, O
Keighley, S., Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg, Pa.
KINNEAR & GAGER MFG. CO., Columbus, O. Eastern Office & Warehouse, 125 Broad, Boston, Mass. (See adv. index, end of book)
MILWAUKEE ARTISTIC METAL CEILing Co. ("Invisible Joint"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
MILWAUKEE CORRUGATING CO. ("Invisible Joint"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Moeschl-Edwards Corrugating Co., Covington, Ky.
NEW YORK METAL CEILING CO., 537-541 W 24th, New York. (See adv. opp. page 203)
Norman, W. F., Sheet Metal Mfg. Co., Nevada, Mo.
Northrop, Coburn & Dodge Co., 40 Cherry, New York
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa., & 559 Atlantic av, Boston, Mass.
St. Paul Roofing, Cornice & Ornament Co., St Paul, Minn
Schoedinger, F. O. ("Invincible," "Lock Joint"), 146 No. 3rd, Columbus, Ohio
Sheet Metal Mfg. Co., Niles, O.
Steel Roofing & Stamping Works (W. F. Hansen, Prop.), Des Moines, Iowa
Sykes Steel Roofing Co., 112 W. 10th pl., Chicago, Ill.
Tiffin Art Metal Co., Tiffin, O.
VALLEY CORNICE & SLATE CO. (Ltd.), 314-318 N Hamilton, Saginaw, W. S., Mich. (See adv. index, end of book)
Warren Steel Co., Warren, Ill.
Watson Jas. H. Co. (Inc.), Bradley, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill.

Ceilings (Sheet Steel, Light Diffuser)

American Metal Stamping Co., 20 E. Herman, Gtn., Phila., Pa.

Cellar Drainers (Automatic)

Braender, Philip, 143 W 125th, New York
D'Este, Julian Co., 24 Canal, Boston, Mass.
Erwin & Co., 56 Dearborn, Chicago, Ill.
Friedenwald Bros., 216 N Holliday, Baltimore, Md.
Kemp, C. M. Mfg. Co. ("Climax"), Baltimore, Md.
Lawler Regulator Co. ("Lawler's"), 473 W B'way, New York
Sherwood Mfg. Co. (Water Pressure), Buffalo, N. Y.
THOMAS & SMITH (Inc.) ("Economy"), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

Celluloid, Fiberloid & Pyralin Mfrs.

Arlington Co. (Pyrolin), 475 B'way, New York.
Celluloid Co. ("Celluloid"), 30 Washington pl., New York
Fiberloid Co. ("Fiberloid"), 7 Waverly pl., New York

Cement Bins (Steel)

(See Bins, Steel)

*Cement Castings (Plain & Ornamental)

DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
SEIFERT, FRANK A. PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)

Cement Dealers

(See Masons' & Builders' Materials)

Cement Importers

(See also Cement Importers, Belgian Portland; Cement Importers, Danish Portland; Cement Importers, English Portland; Cement Importers, French Importers; Cement Importers, German Portland; Cement Importers, Keene's; Cement Importers, Manheimer Portland; Cement Manufacturers; Cements; Hydraulic; Cements, Keene's American; Cements, Portland; Cements, Rosendale)

(For Cement Dealers See Masons' & Builders' Materials)

Alsen's American Portland Cement Works ("Alsen"), 45 B'way, New York
AMERICAN ART MARBLE CO. ("Victoria," "Keene's"), 609 N American, Phila., Pa. (See adv. index, end of book)
Balfour, Guthrie & Co. ("Condor," "K. B. & S.," "Anna" & "Falcon"), San Francisco, Cal.
Berry & Ferguson, 159 Devonshire, Boston, Mass.
Carolina Portland Cement Co., Charleston, S. C.
Ebert, Morris ("Mannheimer" Portland Cement), 119 S 4th, Phila., Pa.
FLEMING & CO., 153 B'way New York. (See adv. index, end of book)
Fowler & McVitie, Galveston, Tex.
FRENCH, SAMUEL H. & CO. (Meier's Non-Staining), 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Girvin & Eyre (Hilton's English), 426 California, San Francisco, Cal.
Grace, W. R., & Co. (German & Belgian), San Francisco, Cal.
Haebler & Co., 79 Wall, New York
Hammill & Gillespie, 240 Front, New York
Hanley, Andrew Co., Savannah, Ga.
Hiller, Alfred Co., 534 Magazine, New Orleans, La.
Kelley Island Lime & Transport Co. ("Lagerdorfer"), Cleveland, O.
McBRIDE, C. E. ("Meier's" Nonstaining), 151 3d, Louisville, Ky.
McKallip & Co., Pittsburg, Pa.
Marquardt, H. & Co. ("Stettiner S" & "Germania"), 35 S William, New York
Maryland Lime & Cement Co., Carroll bldg. Baltimore, Md.
Meng, Anthony & Co. ("Dagger" Brand)' 109 S Front, Phila., Pa.
Miller, Clifford L. & Co. ("Victoria Keene's"), 110 E 23d, New York
Meyer, Wilson & Co., 210 Battery, San Francisco, Cal.
Mosle, H. & Co., Galveston, Tex.
NON-STAINING CEMENT CO. ("Lafargo" Stainless Portland), 156 5th av, New York. (See adv. index, end of book)
Parr, Wm. & Co., Galveston, Tex.
Southwestern Lime & Cement Co. ("Black Cross"), Charleston, S. C.
Sparrow, Jno. E. ("White's Globe," "Hemmoor" & "Misburger"), 15 Whitehall, New York
Spreckles Bros. Commercial Co., Los Angeles, Cal.
Thiele, E. ("Star," "Henry," "Royal Tin," "Royal Crown," "Dyckerhoff," "Heyn," "Hilton" & "B. S. & Co."), 99 John, New York
Waldo Bros., 102 Milk, Boston, Mass.

Cement Importers (Belgian Portland)

(See also Cement Importers)

Balfour, Guthrie & Co. ("Giant"), San Francisco, Cal.
Hammill & Gillespie ("Royal Cross"), 240 Front, New York
Hanley, Andrew Co. ("Gibbs & N. S."), Savannah, Ga.
Maryland Lime & Cement Co., Carroll bldg, Baltimore, Md.
Meng, Anthony ("Dagger" Brand), 109 S Front, Phila., Pa.
Parr, Wm. & Co., Galveston, Tex.
South Eastern Lime & Cement Co. ("Blackcross"), Charleston, S. C.
Thile, E. ("Royal Crown"), 99 John, New York

Cement Importers (English Portland)

(See also Cement Importers)

Balfour, Guthrie & Co., San Francisco, Cal.
Spreckles, J. D. & Bro. Co. ("Gillingham" & "White Bros."), San Francisco, Cal.
Thiele, E. ("Hilton" & "B. S. Co.'s"), 99 John, New York

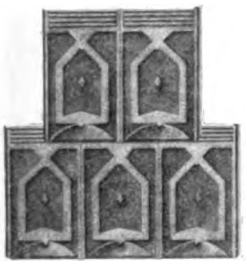
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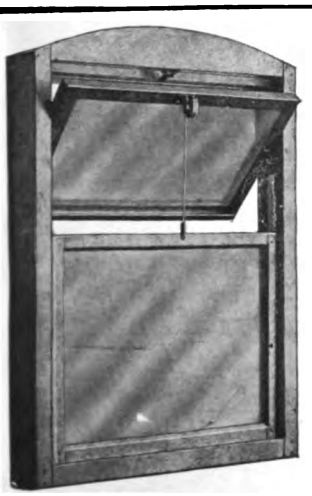
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Cement Importers (French Portland)

NON-STAINING CEMENT CO. ("Lafarge" Non-Staining), 156 5th av, New York. (See adv. index, end of book)

Cement Importers (German Portland)

(See also Cement Importers)

Alsen's American Portland Cement Works ("Alsen"), 45 B'way, New York
Ebert, Morris ("Mannheimer"), 119 S 4th, Phila., Pa.
Hammill & Gillespie ("Bismarck"), 240 Front, New York
Hanley, Andrew, Co., Savannah, Ga.
Hunkins-Willis Lime & Cement Co., 18th & Austin, St. Louis, Mo.
Marquardt & Co. ("Stettiner's"), 35 S William, New York
South Eastern Lime & Cement Co., Charleston, S. C.
Thiele, E. (Dyckerhoff, Heyn & Star, Stettin), 99 John, New York

Cement Importers (Mannheimer Portland)

Ebert, Morris, 119 S 4th, Phila., Pa.

Cement Mfrs.

(All firms under this heading, unless otherwise marked, manufacture "Portland" Cement. One Star (*) indicates Hydraulic or Natural Cement Manufacturers. Two Stars (**) indicate "Rosendale" Cement Manufacturers)

(Trade Names or titles of Identification follow Names of firms in all cases where we have been able to secure them)

(For Cement Dealers See Masons' & Builders' Materials)

ALABAMA.

BIRMINGHAM—Carolina Portland Cement Co. *Southern Cement Co. ("Alabama" Brand, "Puzzolan" & "Magnolia" Brands)
DEMOPOLIS — Alabama Portland Cement Co. ("Red Diamond" Brand)
LEEDS — Standard Portland Cement Co. ("Standard" Brand). (See Charleston, S. C.)

CALIFORNIA.

CEMENT—Pacific Portland Cement Co. ("Golden Gate). (See San Francisco)
COLTON — California Portland Cement Co. ("Colton" Brand. (See Los Angeles)
DAVENPORT — Santa Cruz Portland Cement Co. ("Standard" Brand)
LOS ANGELES—California Portland Cement Co. ("Colton" Brand
NAPA JUNCTION—Standard Portland Cement Corp'n ("Standard" Brand). (See San Francisco)
SAN FRANCISCO—*Cowell, Henry Lime & Cement Co.
Cowell Portland Cement Co., Works: Cowell, Cal.
Pacific Portland Cement Co. ("Golden Gate")
San Juan Portland Cement Co.
Santa Cruz Portland Cement Co. ("Standard" Brand), Works: Davenport, Cal.
Standard Portland Cement Corp'n
SAN JUAN—San Juan Portland Cement Co. (See San Francisco)

COLORADO.

DENVER — Portland Cement Co. ("Ideal" Brand), Colorado bldg; Works: Portland, Colo.
NEW CASTLE—New Castle Portland Cement Co.

GEORGIA.

CEMENT — *Howard Hydraulic Cement Co. ("Red Keystone" Brand)
ROCKMART—Southern States Portland Cement Co. ("Southern States" Brand)
ROSSVILLE—*Chickamauga Cement Co. ("New South" Brand)

ILLINOIS.

CHICAGO — Chicago Portland Cement Co. ("Chicago AA" Brand), Chicago Stock Exch bldg; Works: Oglesby, Ill.
German-American Portland Cement Works ("Owl" Brand, Marquette bldg; Works: La Salle, Ill.
Co. ("Universal Portland Cement tao
UNIVERSAL PORTLAND CEMENT Co. ("Universal" Portland), Commercial B'k bldg. Works, South Chicago, Ill.; Buffington, Ind., & Universal, Pa. (See adv. index, end of book)
DIXON—Sandusky Portland Cement Co. ("Medusa" Brand). (See Sandusky, O.)
LA SALLE—German-American Portland Cement Works ("Owl" Brand. (See Chicago, Ill.)
Marquette Cement Mfg. Co. ("Marquette" Brand)
OGLESBY — Chicago Portland Cement Co. ("Chicago AA" Brand). (See Chicago, Ill.)
SOUTH CHICAGO—**UNIVERSAL PORTLAND** Cement Co. Main Office: Chicago, Ill. (See adv. index, end of book)
UTICA—*Illinois Hydraulic Cement Mfg. Co.
*Utica Cement Mfg. Co. ("Black Ball" Brand)
*Utica Hydraulic Cement Co. ("Clark" Brand)

INDIANA.

BEDFORD—United States Cement Co. ("Bedford" Portland)
BUFFINGTON—**UNIVERSAL PORTLAND** Cement Co. Main Office* Chicago, Ill. (See adv. index, end of book)
CHARLESTOWN—*Indiana Cement Co. ("Lion" Brand, Hydraulic)
JEFFERSONVILLE—*Kentucky & Indiana Cement Co.
KIMMEL—Art Portland Cement Co. ("Parthenon," White Portland)
MITCHELL—Lehigh Portland Cement Co. ("Lehigh" Brand). (See Allentown, Pa.)
NEW ALBANY—*New Albany Cement Co. ("Crown" Brand, Hydraulic)
SELLERSBURG — *Clark County Cement Co. ("Hammer & Trowel" Brand, Hydraulic)
*Golden Rule Cement Co. ("Arm & Hammer" Brand, Hydraulic)
*Hoosier Cement Co. ("Hod & Shovel" Brand, Hydraulic)
*Louisville Cement Co. (Speeds "Star" Brand, Hydraulic; "Horseshoe" & "S. S." Brands). (See Louisville, Ky.)
*Union Cement & Lime Co. (See Louisville, Ky.)
*United States Cement Co.) "Flag" Brand, Hydraulic)
STROH—Wabash Portland Cement Co. ("Wabash" Brand). (See Detroit, Mich.)
SYRACUSE—Sandusky Portland Cement Co. ("Medusa" Brand). (See Sandusky, O.)
WATSON—*Speed, J. B. &. Co. (See Louisville, Ky.)

IOWA.

DES MOINES—Iowa Portland Cement Co.
HARVEY—Hawkeye Portland Cement Co. (See Kansas City, Mo.)
MASON CITY—Northwestern States Portland Cement Co. ("Northwestern" Brand)

KANSAS.

ALTOONA—Altoona Portland Cement Co. (See Kansas City, Mo.)
BONNER SPRINGS—Bonner Portland Cement Co. ("Bonner" Brand). (See Kansas City, Mo.)
CHANUTE—Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand). (See Kansas City, Mo.)
Chanute Cement & Clay Product Co. ("Bronson" Brand). (See Akron, O.)
FORT SCOTT—*Fort Scott Hydraulic Cement Co. ("Four Star" Brand, Hydraulic)
*Kansas City & Fort Scott Cement Co. ("Four Star" Brand). (See Kansas City, Mo.)
FREDONIA — Fredonia Portland Cement Co. ("Fredonia" Brand). (See Kansas City, Mo.)
HUMBOLDT—Humboldt Portland Cement Co.
INDEPENDENCE—Independence Kansas Portland Cement Co.
Western States Portland Cement Co. ("Cowboy" Brand)
IOLA — Iola Portland Cement Co. ("Iola" Brand)
United Kansas Portland Cement Co. ("Sunflower" & "Indian" Brands)
MILDRED — Great Western Portland Cement Co. (See Kansas City, Mo.)
YOCEMENTO—United States Portland Cement Co. ("U. S." Brand). (See Kansas City, Mo.)

KENTUCKY.

ASHLAND—Ashland Iron & Mining Co. (Slag, Portland)
KOSMOSDALE—Kosmos Portland Cement Co. ("Kosmos" Brand)
LOUISVILLE—*Louisville Cement Co. (Speed "Star" Brand, Hydraulic; "Horseshoe" Brand, of Portland, & "S. S." Brand); Works: Speeds, Ind.; P. O. Sellersburg, Ind.
*Speed, J. B. & Co., Works: Watson, Ind.
*Union Cement & Lime Co. ("Black Diamond" & "Anchor" Brands), Hydraulic)

MARYLAND.

BALTIMORE—Maryland Portland Cement Co.
CUMBERLAND—*Cumberland & Potomac Cement Co.
*Cumberland Hydraulic Cement & Mfg. Co. ("B. & H." Brand, Hydraulic)
HAGERSTOWN — Maryland Portland Cement Co. (See Baltimore, Md.)

MASSACHUSETTS.

BOSTON—**FISKE & COMPANY (Inc.)** (Jobbers in Portland, Rosendale, etc.), 25 Arch. (See adv. index, end of book)
CLAYTON—Berkshire White Portland Cement Co. (See New York City)
Huron Portland Cement Co. ("Huron" Brand). (See Detroit, Mich.)

MICHIGAN.

ALPENA—Alpena Portland Cement Co. ("Alpena" Brand)
BAY CITY—Hecla Company ("Hecla" Brand). (See Detroit, Mich.)
BELLEVUE — Burt Portland Cement Co. ("Burt" Brand)
BRONSON—Chanute Cement & Clay Product Co. ("Bronson" Brand). (See Akron, O.)
CEMENT CITY—Peninsular Portland Cement Co. ("Peninsular" Brand). (See Jackson, Mich.)
CHARLEVOIX—Great Lakes Portland Cement Co. ("Great North"
COLDWATER—Wolverine Portland Cement Co. ("Wolverine" Brand)
DETROIT—Hecla Company ("Hecla" Brand), Works: Bay City, Mich.
Huron Portland Cement Co. ("Huron" Brand), Works: Alpena, Mich.
Wabash Portland Cement Co. ("Wabash" Brand), Union Trust bldg; Works: Stroh, Ind.
Wyandotte Portland Cement Co. ("Wyandotte' Brand), Works: Wyandotte, Mich.
ELK RAPIDS—Elk Cement & Lime Co. ("Elk" Brand)
FARWELL Farwell Portland Cement Co.
FENTON — Egyptian Portland Cement Co. "Egyptian" Brand)
GRAND RAPIDS—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands)
JACKSON—Northwestern States Portland Cement Co. ("Northwestern" Brand)
Peninsular Portland Cement Co. ("Peninsular" Brand), Works: Cement City, Mich.
JONESVILLE — Omega Portland Cement Co. ("Omega" Brand), Works: Mosherville, Mich.
NEWAYGO—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands). (See Grand Rapids, Mich.)
UNION CITY—Peerless Portland Cement Co. ("Peerless" Brand)
WYANDOTTE — Wyandotte Portland Cement Co. ("Wyandotte" Brand). (See Detroit, Mich.)

MINNESOTA.

AUSTIN — *Austin Cement Works ("Austin" Brand, Hydraulic) (Fowler & Pay)
MANKATO—*Mankato Cement Works ("Mankato" & "U. S. G." Brands)
MINNEAPOLIS—**UNIVERSAL PORTLAND** Cement Co. ("Universal" Brand), Security Bank bldg; Main Office: Chicago, Ill. (See adv. index, end of book)

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MISSOURI.

CEMENT CITY—Kansas City Portland Cement Co. ("K. C." Brand. (See Kansas City, Mo.)

HANNIBAL — **ATLAS PORTLAND CEMENT CO.**; Office: New York City. (See adv. index, end of book)

KANSAS CITY—Altoona Portland Cement Co., Works: Altoona, Kan.

Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand), Works: Chanute, Kan.

Bonner Portland Cement Co. ("Bonner" & "Caffrey" Brands), Works: Bonner Springs, Kan.

Dewey Portland Cement Co. ("Dewey" Brand), Works: Dewey, Okla.

*Fort Scott Hydraulic Cement Co. ("Four Star" Brand, Hydraulic), 121 W 8th

Great Western Portland Cement Co., Works: Mildred, Kan.

*Halliwell Cement Co., 312 E 9th

Hawkeye Portland Cement Co., Works: Harvey, Iowa

Kansas City Portland Cement Co. ("K. C." Brand)

*Kansas City & Fort Scott Cement Co. ("Double Star" Brand, Hydraulic), 121 W 8th

United States Portland Cement Co. ("U. S." Brand), Works: Yocemento, Kan.

ST. LOUIS—Continental Portland Cement Co., Syndicate Trust bldg; Works: Continental, Mo.

Iola Portland Cement Co. ("Iola" Brand), Sales Office: Lincoln Trust bldg; Main Office & Works: Iola, Kan.

St. Louis Portland Cement Co. ("Red Ring" Brand), Works: Prospect Hill, Mo.

UNIVERSAL PORTLAND CEMENT Co. ("Universal" Portland), Chemical Nat'l B'k bldg. Main Office, Chicago, Ill. (See adv. index, end of book)

NEW JERSEY.

ALPHA — Alpha Portland Cement Co. ("Alpha" Brand). (See Easton, Pa.)

NEWARK — **Newark Lime & Cement Mfg. Co. ("Newark" & "Rosendale" Brands)

STEWARTVILLE—Edison Portland Cement Co. ("Edison" Brand)

VULCANITE—Vulcanite Portland Cement Co. ("Vulcanite" Brand); P. O. at Springtown, N. J.; Main Office: Phila., Pa.

NEW YORK.

AKRON — *Cummings Cement Co. ("Roman" Asbestic, "Obelisk" Hydraulic & "Storm King" Brands)

ALBANY—*Helderberg Cement Co. ("Helderberg" Brand)

ALSEN — Alsen's American Portland Cement Co. ("Alsen" Brand). (See New York City)

BINNEWATER—**Consolidated Rosendale Cement Co. ("Brooklyn Bridge" Brand). (See New York City)

BUFFALO—*Newman, H. L. & W. C. ("Akron Star" Brand), 141 Erie

CEMENTON — Catskill Cement Co. ("Catskill" & "Trowel" Brands)

GLENS FALLS—Alpha Portland Cement Co. ("Iron Clad" & "Adirondack" Brands). (See Easton, Pa.)

HOWES CAVE—Helderberg Cement Co. ("Helderberg" Brand)

HUDSON—Hudson Portland Cement Co. ("Hudson" Brand)

ITHACA — Cayuga Lake Cement Co. ("Cayuga" Brand)

KINGSTON—**Consolidated Rosendale Cement Co. (See New York City)

NEW YORK—Alsen's American Portland Cement Works, 45 B'way

ATLAS PORTLAND CEMENT CO. ("Atlas"), 30 Broad; Works: Coplay, Pa.; Northampton, Pa., & Hannibal, Mo. (See adv. index, end of book)

Berkshire White Portland Cement Co. (White Portland, for Decorative Purposes), 21 Park Row. Works: Clayton, Mass.

**Consolidated Rosendale Cement Co. ("Brooklyn Bridge" Brand), 50 Church; Works: Binnewater, N. Y.

FISKE & COMPANY (Inc.) (Jobbers in Portland, Rosendale, etc.). Flat Iron bldg. (See adv. index, end of book)

Lawrence Cement Co. ("Dragon," "Hoffman"), 1 B'way; Works: Seigfried, Pa.

**New York Cement Co. ("Superior" Brand), 52 B'way

NON-STAINING CEMENT CO. ("Lafarge" Non-Staining), 156 5th av. (See adv index, end of book)

Pennsylvania Cement Co. ("Pennsylvania" Brand), 26 Cortlandt; Works: Bath, Pa.

Seaboard Portland Cement Co., 225 Cortlandt; Works: Alsen, N. Y.

Virginia Portland Cement Co. ("Old Dominion" Brand), 5 Nassau; Works: Fordwick, Va.

WARNER—Empire Portland Cement Co. ("Empire" Brand)

WAYLAND — Millen, Thos. Co. ("Wayland" Brand)

NORTH DAKOTA.

GRAND FORKS—Northern Cement & Plaster Co. ("Pembina" Brand, Portland & "Northern" Brand, Hydraulic)

OHIO.

AKRON—Chanute Cement & Clay Product Co. ("Bronson" Brand), Works: Chanute, Kan., & Bronson, Mich.

BELLEFONTAINE—Buckeye Portland Cement Co. ("Buckeye" Brand), Works: Harper, Ohio

CASTALIA — Castalia-Portland Cement Co. ("Tiger" Brand). (See Pittsburg, Pa.

CINCINNATI—Superior Portland Cement Co. ("Superior"). Works: Superior, O.

CLEVELAND—Diamond Portland Cement Co. ("Diamond" Brand), Works: Middle Branch, O.

Stewart Iron Co. (Made from Furnace Slag) (See Sharon, Pa.)

Struthers Furnace Co. ("Struthers"), ("Superior" Brand). (See Cincinnati, O.

IRONTON — Ironton Portland Cement Co. ("Limestone" Brand)

LISBON—*Ohio Cement Co.

MIDDLE BRANCH—Diamond Portland Cement Co. ("Diamond" Brand). (See Cleveland, O.)

PORTSMOUTH — York Portland Cement Co. ("Setter" Brand)

RUSHSYLVANIA—Union Portland Cement Co. ("Alta" Brand)

SANDUSKY — Sandusky Portland Cement Co. ("Medusa" Brand), Works: York, Pa.; Syracuse, Ind., & Dixon, Ill.

STRUTHERS—Struthers Furnace Co. (Struthers Portland)

SUPERIOR — Superior Portland Cement Co. ("Superior" Brand). (See Cincinnati, O.)

TOLEDO—Woodville White Lime Co.

WELLSTON — Alma Cement Co. ("Alma" Brand)

Lehigh Portland Cement Co. ("Lehigh" Brand). (See Allentown, Pa.)

YOUNGSTOWN—Brier Hill Iron & Coal Co. ("Brier Hill" & "Pussolan" Brands)

OKLAHOMA

ADA—Oklahoma Portland Cement Co. ("O. K." Brand)

DEWEY — Dewey Portland Cement Co. ("Dewey" Brand)

PENNSYLVANIA.

ALLENTOWN—Allentown Portland Cement Co.

Lehigh Portland Cement Co. ("Lehigh" Brand), Works: Ormand, Pa.; West Coplay, Pa.; Fogelsville, Pa.; New Castle, Pa.; Wellston, O., & Mitchell, Ind.

Penn-Allen Portland Cement Co. ("Penn-Allen" Brand), Works: Nazareth, Pa.

BATH — Bath Portland Cement Co. ("Bath" Brand)

Pennsylvania Cement Co. ("Pennsylvania" Brand). (See New York City)

CEMENTON—Whitehall Portland Cement Co. ("Whitehall" Brand). (See Phila., Pa.)

COPLAY—**ATLAS PORTLAND CEMENT** Co. ("Atlas" Brand), Office: New York City. (See adv. index, end of book)

Coplay Cement Mfg. Co. ("Saylor" Brand). (See Phila., Pa.)

EASTON — Alpha Portland Cement Co. ("Alpha" Brand), Works: Alpha, N. J., & Martins Creek, Pa.

Martins Creek Portland Cement Co., Works: Martins Creek, Pa.

EGYPT — *American Cement Co. ("Giant," "Egypt" & "Columbia"). (See Phila., Pa.)

MARTINS CREEK — Alpha Portland Cement Co. ("Alpha" Brand). (See Easton, Pa.)

MOLLTOWN — Vindex Portland Cement Co. ("Vindex" Brand)

NAZARETH—Atlantic Portland Cement Co. ("Northampton" Brand)

Dexter Portland Cement Co. ("Dexter" Brand)

Nazareth Cement Co. ("Nazareth" Brand)

Penn-Allen Portland Cement Co. ("Penn-Allen" Brand). (See Allentown, Pa.)

*Phoenix Cement Co. ("Clover Leaf" & "Phoenix" Brands, of Portland, & "L. X. L." & "Rosendale" Brands)

NEW CASTLE—Lehigh Portland Cement Co. ("Lehigh Brand). (See Allentown, Pa.)

New Castle Portland Cement Co.

NORTHAMPTON—**ATLAS PORTLAND** Cement Co. ("Atlas" Brand). (See New York City). (See adv. index, end of book)

PHILADELPHIA—American Cement Co. ("Giant," "Egypt" & "Columbia" Brands), Penna bldg; Works: Egypt, Pa., & Jordan, N. Y.

Bonneville Portland Cement Co. ("Star" Brand), Land Title bldg; Works: Siegfrieds, Pa.

Buckhorn Portland Cement Co. ("Buckhorn" Brand), North American bldg; Works: Manheim, W. Va.

Coplay Cement Mfg. Co. ("Saylor" Brand), Penna bldg; Works: Coplay, Pa.

***FRENCH, SAMUEL H. & CO.** (Sole Agents for Dexter Portland), 4th & Callowhill. (See adv. index, end of book)

Lawrence Cement Co. ("Dragon" Brand), Sales Office: Harrison bldg. (See New York City)

Nazareth Cement Co., Sales Office: Land Title bldg; Office & Works: Nazareth, Pa.

Phoenix Cement Co. ("Phoenix" & "Clover Leaf" Brands), Real Estate Trust bldg; Office & Works: Nazareth, Pa.

Vulcanite Portland Cement Co. ("Vulcanite" Brand), Land Title bldg; Works: Vulcanite, N. J.

Whitehall Portland Cement Co. ("Whitehall" Brand), Land Title bldg; Works: Clementon, Pa.

PITTSBURG — Castalia Portland Cement Co. ("Tiger" Brand), Works: Castalia, O. McKallip & Co. (Jobbers), 2835 Smallman

UNIVERSAL PORTLAND CEMENT Co. ("Universal" Portland), Frick bldg. Main Office: Chicago, Ill. (See adv. index, end of book)

SHARON—Stewart Iron Co. (Made from Furnace Slag)

SIEGFRIED—Bonneville Portland Cement Co. ("Star" Brand). (See Phila., Pa.)

Lawrence Cement Co. ("Dragon" Brand). (See New York City)

STOCKERTOWN—Northampton Portland Cement Co. ("Northampton" Brand)

UNIVERSAL—**UNIVERSAL PORTLAND** Cement Co. Main Office: Chicago, Ill. (See adv. index, end of book)

WAMPUM — Crescent Portland Cement Co. ("Crescent" Brand)

YORK—Sandusky Portland Cement Co. ("Medusa" Brand). (See Sandusky, O.

SOUTH CAROLINA.

CHARLESTON—Carolina Portland Cement Co.

Standard Portland Cement Co. ("Standard" Brand), Works: Leeds, Ala.

SOUTH DAKOTA.

YANKTON — Western Portland Cement Co. ("Yankton" Brand). (See Milwaukee, Wis.)

TENNESSEE.

CHATTANOOGA — *Chickamauga Cement Co. ("New South" Brand). (See Rossville, Ga.)

Dixie Portland Cement Co. ("Royal" Brand), Works: Richard City, Tenn.

*Howard Hydraulic Cement Co. ("Red Keystone" Brand), Works: Cement, Ga.

KNOXVILLE—Knoxville Cement Works

NASHVILLE—Tennessee Cement & Lime Co.

RICHARD CITY—Dixie Portland Cement Co. ("Royal" Brand). (See Chattanooga, Tenn.)

TEXAS.

DALLAS—Iola Portland Cement Co. (of Tex.), Works: Cement, Tex.

Southwestern States Portland Cement Co.

Texas Portland Cement Co. ("Lone Star" Brand), Works: Cement, Tex.

SAN ANTONIO—*Alamo Cement Co. ("Alamo" Brand)

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UNIVERSAL PORTLAND CEMENT is a standard high grade Portland, uniform in strength and color, regular in setting qualities and meets generously Standard and Government specifications. Our large storage capacity, exceptional shipping facilities and our daily output of 17,000 barrels now being increased to 23,000 barrels per day, insure the most prompt service in making shipments.

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UTAH.

OGDEN—Three Forks Portland Cement Co. Union Portland Cement Co. ("Red Devil" Brand)
SALT LAKE CITY—Portland Cement Co. (of Utah) ("Red Diamond" Brand)

VIRGINIA.

FORDWICK — Virginia Portland Cement Co. ("Old Dominion" Brand). (See New York City)
LOCHER—*James River Cement Works (Inc.) ("James River" Brand, Hydraulic)

WASHINGTON.

BAKER—Superior Portland Cement Co.
SEATTLE—Washington Portland Cement Co. ("Washington" Brand), Works: Concrete, Wash.

WEST VIRGINIA.

MANHEIM — Buckhorn Portland Cement Co. ("Buckhorn" Brand). (See Phila., Pa.)

WISCONSIN.

MILWAUKEE—*Milwaukee Cement Co. ("Key-Stone" Brand, Hydraulic), Plankinton bldg
Western Portland Cement Co. ("Yankton" Brand), Works: Yankton, S. Dak.

Cement Packers

(See Packing Machines, in Machinery)

*Cement Stains (Waterproof)

CABOT, SAMUEL, 141 Milk, Boston, Mass. (See adv. index & branch offices, end of book)

Cement Testing Machines

(See Testing Machines, Cement, in Machinery)

Cements (Asbestos)

Asbestos Mining & Mfg. Co., Providence, R. I.
Carey, Philip Mfg. Co., Lockland, O.
Chicago Asbestos Mfg. Co., 78 W 22d pl, Chicago, Ill.
Colebrook, W. H. Sons, Syracuse, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Excelsior Steel Furnace Co., 40 W Monroe, Chicago, Ill.
Federal Asbestos Mfg. Co., Alliance, O.
Franklin Mfg. Co., Franklin, Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co. (Also Magnesia), Main Office & Works: Ambler, Pa.
New Jersey Asbestos Co., Camden, N. J.
New York Asbestos Mfg. Co., 80 John, New York
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Oil City Asbestos Co., Oil City, Pa.
Otley Mfg. Co. ("Eureka"), 855 N Winchester av, Chicago, Ill
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Sall Mountain Asbestos Co., 68 S Canal, Chicago, Ill.
Union Fibre Co., Winona, Minn.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Cements (Asphalt)

Acme Asphalt Roofing Mfg. Co. (Roofing), 65 Mallory av, Jersey City, N. J.
American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Texas Co. ("Texaco" for Paving), Houston, Tex., & 17 Battery pl., New York
Trinidad Asphalt Mfg. Co., 320 S. 21st, St. Louis, Mo.
Warren Bros. Co., 93 Federal, Boston, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Cements (Belt)

(See Belt Cement)

Cements (Caen Stone)

Revis, Wm. H. (French), 1123 B'way, New York

Cements (Cast Iron Soil Pipe)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
Desper, H. A. ("Balsago" or for Any Purpose Not Subject to Heat), Worcester, Mass.
SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)

Cements (Cast Steel Filler)

(See Cements, Iron & Steel)

Cements (Elastic)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 527 E 149th, New York. (See adv. index, end of book)
Capitol Asphalt Mastic Co., Columbus, O.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Kuhls, H. B. Fred. (Elastic Trowel), 719 3d av, Brooklyn, N. Y.
Maire Paint Co. (All Minerals), 241 1st av, N, Minneapolis, Minn.
Miller, Clifford L. & Co. ("Minwax"), 110 E 23d, New York
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Munro & Co. ("House's" Imported for Flange & Thread Joints), 1 Liberty, New York
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Purcell, Hycent (Original), 441 Main, Cambridgeport, Mass.
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book
U. S. GUTTA PERCHA PAINT CO. (For Chimneys, Roofs, etc.), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Webster, W. F. Cement Co., Cambridge, Mass.
Wilhelm, A. Co. (Aluminum), Reading, Pa.

*Cements (Fire)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
MAURER, HENRY & SON, 420 E 23d, New York; Penna bldg. Phila., Pa. Works: Maurer, N. J. (See adv. Inside Front Cover)

*Cements (French Portland)

NON-STAINING CEMENT CO. ("Lafarge" Stainless), 156 5th av, New York. (See adv. index, end of book)

Cements (Furnace & Stove)

(See Cements, Asbestos; also Cements, Elastic; also Putty Manufacturers, Stovemakers')
AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
Carey, Philip Mfg. Co. (Asbestos), Lockland, O.
Colebrook, W. H. Sons, Syracuse, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
DIXON, JOS. CRUCIBLE CO. (For Repairing Stove & Range Linings), Jersey City, N. J. (See adv. index & branch offices, end of book)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
Oil City Asbestos Co., (Asbestos), Oil City, Pa.
Otley Mfg. Co. ("Eureka" for Jointing), 855 N Winchester av, Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
Stewart, W. H. Co., 81 Fulton, Brooklyn, N. Y.
Wainwright, Jno. C. A. (Dry), Spring City, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)
Wilhelm, A. Co., Reading, Pa.
Wilson, Geo. W., 612 Myrtle av, Brooklyn, N. Y.

*Cements (Gasket)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)

Cements (Graphite)

DIXON, JOS. CRUCIBLE CO. (For Repairing Incandescent Lamps), Jersey City, N. J. (See adv. index & branch offices, end of book)
U. S. Graphite Co., Saginaw, Mich.

Cements (Hydraulic)

(See firms marked with a (*) under head of Cement Manufacturers)

Cements (Iron Filler)

(See Cements, Iron & Steel)

Cements (Iron & Steel)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
Baizley, John, Iron Works ("Three Horses" Iron Cement), 514 S. Delaware av., Philadelphia, Pa.
Benskin Mfg. Co. (Steel), Canton, O.
Clark Cast Steel Cement Co. ("Clark" Cast Steel for Blow Holes, etc.), Shelton, Conn.
DOGGETT, STANLEY ("Fill-It"), 101 Beekman, New York. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Johns, H. W.-Manville Co. ("Ferro"), 100 William, New York
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Otley Mfg. Co. ("Eureka" Cast Iron Filler), 855 N Winchester Av, Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Pittsburgh Crushed Steel Co. (Ltd.), Pittsburg, Pa.
Shanafelt Mfg. Co. ("X-Cel-All"), Canton, O.
Shelton Metallic Mfg. Co. (For Blow Holes, etc.), Shelton, Conn.
SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)
Turner, J. S. Mfg. Co. ("Hold Tight"), 398 Middlesex, Lowell, Mass.
U. S. GUTTA PERCHA PAINT CO. ("Rice's Adamant," for Blowholes in Casting Leaks in Boiler Piping, etc.), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Wilhelm, A. Co. ("Stick-to"), Reading, Pa.

Cements (Keene's American)

Acme Cement Plaster Co. ("Acme"), Century bldg, St. Louis, Mo.
Best Bros. & Co. (Mfrs.), Medicine Lodge, Kan.
Hunkins-Willis Lime & Cement Co. (Sole Agents for U. S.), 18th & Austin, St. Louis, Mo.

Cements (Keene's Imported)

AMERICAN ART MARBLE CO. ("Victoria"), 609 N American, Phila., Pa. (See adv. index, end of book)
FLEMING & ., 253 B'way, New York. (See adv. index, end of book)

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Francklyn & Ferguson (English), Cotton Exch bldg, New York
King, J. B. & Co., 1 B'way, New York
Miller, Clifford L. & Co. ("Victoria"), 110 E 23d, New York
Revis, Wm. H., 1123 B'way, New York

*Cements ("Lafarge")

NON-STAINING CEMENT CO., 156 5th av, New York. (See adv. index, end of book)

Cements (Locomotive & Boiler Front)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
Frazer Paint Co. ("Frazer's" Non-Corrosive), Detroit, Mich.
Otley Mfg. Co. ("Eureka" Joint), 855 N Winchester av, Chicago, Ill.
SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)
Wheeler, Asahel Co. ("A-W" Steam Joint), 52 High, Boston, Mass.

Cements (Magnesite, Chrome & Silica)

Harbison-Walker Refractories Co., Farmers' B'k bldg., Pittsburg, Pa. & 1133 B'way, New York

*Cements ("Meier's" Non-Staining)

McBRIDE, C. E., 151 3d, Louisville, Ky.

Cements (Natural)

(See firms marked with a Star (*) under head of Cement Manufacturers)

Cements (Paving)

Barrett Mfg. Co. (Coal Tar), Land Title bldg, Philadelphia, Pa.

Cements (Pipe Joint)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E. 149th, New York. (See adv. index, end of book)
Baker, W. T. ("Atlantic"), Jersey City, N. J.
Callahan, Geo. & Co. ("Old Reliable"), 218 Front, New York
Clark Cast Steel Cement Co. ("Clark" Cast Steel), Shelton, Conn.
Cook & Cokefair ("Peerless"), 306 Pearl, New York
Crane Co. (Est. 1855) (The "Crane"), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crookstom, Wm. H. & Bro., 185 Wooster, New York
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Eagle Paint & Varnish Co. ("Red Rustless"), Works: North Side, Pittsburg, Pa.
Edgecombe Co. ("Red Cross," No-Leak), Cuyahoga Falls, O.
Frazer Paint Co. ("Frazer's" Non-Corrosive Pipe Joint Paste), Detroit, Mich.
Gumbo Specialty Co. ("Gumbo"), 446 Lincoln av, Chicago, Ill.
Johns, H. W.-Manville Co. ("H.-O."), 100 William, New York
Memphis White Lead Works, Memphis, Tenn.
Otley Mfg. Co. ("Eureka" Steam Joint, etc.), 855 N Winchester av, Chicago, Ill.
Shelton Metallic Filler Co., Shelton, Conn.
SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)
Starbuck, R. N. & Son ("Securo"), Hartford, Conn.
United States Graphite Co. (Mexican Graphite), Saginaw, Mich.
Walch & Wyeth ("Manganesite" Paste), 87 Lake, Chicago, Ill.
Wheeler, Asahel Co. ("A-W" for Steam), 54 High, Boston, Mass
Wilhelm, A. Co., Reading, Pa.

Cements (Plumbers')

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's" Repair), 532 E. 149th, New York. (See adv. index, end of book)
Easton, Chas. R. ("Perfection" Joint), Milford, N. H.
Johns, H. W.-Manville Co., 100 William, New York
Wilhelm, A. Co., Reading, Pa.

Cements (Portland)

(See Cement Manufacturers)

(Observe note immediately under the heading relating to Portland Cement & Hydraulic Cement)

Cements (Rivet)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th, New York. (See adv. index, end of book)
Callahan, Geo. & Co. ("Callahan" Old Reliable), 218 Front, New York
Gumbo Specialty Co. ("Gumbo"), 446 Lincoln av, Chicago, Ill.
Memphis White Lead Works, Memphis, Tenn.
Otley Mfg. Co. ("Eureka"), 855 N Winchester av, Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)
U. S. Graphite Co. (Mexican Graphite), Saginaw, Mich.
U. S. GUTTA PERCHA PAINT CO. ("Rice's," for Hulls of Iron or Steel Vessels), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)

Cements (Roofing)

(See also Cements, Asbestos)

Acme Asphalt Roofing Mfg. Co. (Asphalt), 65 Mallory av, Jersey City, N. J.
American Insulating Material Mfg. Co. (Granite Rock Asphalt), Alexandria, Ind.
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Briggs, John & Co. ("Elastic," Anchor Brand), 47 Purchase, Boston, Mass.
Callahan, Geo. & Co., 218 Front, New York
Carey, Philip Mfg. Co., Lockland, O.
CINCINNATI WALL TIE CO., 206 E 5th, Cincinnati, O. (See adv. index, end of book)
Clinton Metallic Paint Co., Clinton, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gorsuch, T. M., 919 James, Cleveland, O.
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
Heppes Co. ("No Tar," Liquid), 45th av & Fillmore, Chicago, Ill.
Hetzel, J. G. (Est. of), Newark, N. J.
Johns, H. W.-Manville Co., 100 William, New York
Lucas, John & Co., 4th & Race, Phila., Pa.
Maire Paint Co. (All Minerals), Minneapolis, Minn.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Oil City Asbestos Co. (Asbestos), Oil City, Pa.
Patent Vulcanite Roofing Co. ("Vulcanite"), 625 S Campbell av, Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Purcell, Hycent (Original), 441 Main, Cambridge, Mass.
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
Stewart, W. H. Mfg. Co., 81 Fulton, New York
Stowell Mfg. Co. (Asphalt), 114 to 134 Culver av, Jersey City, N. J.
Trinidad Asphalt Mfg. Co. ("Epure" Trinidad Asphalt), 320 S 21st, St. Louis, Mo.
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Victor Mfg. Co. (Elastic), Newburyport, Mass.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)
Webster, William F. Cement Co., Cambridge, Mass.
Wilhelm, A. Co. ("Para"), Reading, Pa.
Woolsey, C. A. Paint & Color Co., Jersey City, N. J.

Cements (Rosendale)

(See firms marked thus ** under head of Cement Manufacturers)

Cements (Rubber)

(See also Cements, Tire)

Baker Rubber Cement Co., 48 Lincoln, Boston, Mass.
Blanc Stainless Cement Co. ("Blanc"), Allentown, Pa.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Faultless Rubber Co. ("Faultless"), Ashland, Ohio
Hartford Rubber Works Co., Hartford, Conn.
Lyon Rubber Co., Akron, O.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Milford Rubber Cement Co., Milford, N. H.
Miller Rubber Mfg. Co., Akron, O.
Morgan & Wright (Inc.) (Brush, Shoe, Steel, etc.), Detroit, Mich.
National Cement & Rubber Mfg. Co. ("High Pressure," "Red Cross," "Anchor" & "Pioneer"), Toledo, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)

Cements (Stainless Portland)

McBRIDE, C. E. ("Meier's" Non-Staining), 151 3d, Louisville, Ky.
Morse, Frank E. Co. ("Morse's" White Puzzolan), 17 State, New York
NON-STAINING CEMENT CO. ("Lafarge"), 156 5th av, New York. (See adv. index, end of book)

*Cements (Stone Setters')

(See also Cements, Stainless, Portland)

HARRISON SUPPLY CO. ("Wonder"), 5 & 7 Dorchester av, ext., Boston, Mass. (See adv. index, end of book)

Cements (Stove)

(See Cements, Furnace & Stove; also Putty Manufacturers, Stovemakers')

Cements (Tire)

(See also Cements, Rubber)

DIAMOND RUBBER CO. ("Titon"), Akron, O. (See adv. index, end of book)
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich, B. F., Co. ("Goodrich"), Akron, O.
Hartford Rubber Works ("Hartford"), 691 Park, Hartford, Conn.
M. & M. Mfg. Co. ("M. & M."), Akron, O.
National Cement & Rubber Mfg. Co. ("High Pressure," "Pioneer," Red Cross," Anchor," "Auto Rubber" & "Auto Tire"), Toledo, O.
Tingley, Chas. O. & Co., Rahway, N. J.

Cements (White, for Mortar)

Higginson Mfg. Co. ("Higginson," for Plastering & Finishing Walls), Newburgh, N. Y.

Cements (White Portland)

Berkshire White Portland Cement Co., 15 Park Row, New York. Works: Clayton, Mass.
Sandusky Portland Cement Co. ("Medusa"), Sandusky, O.

Cemetery Railings

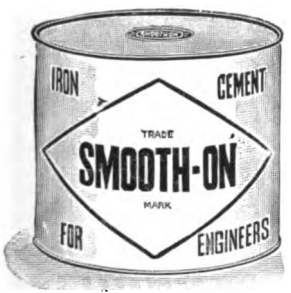
ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
Atlanta Wire & Iron Works Co., Atlanta, Ga.

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SMOOTH-ON

TRADE MARK—REG. U. S. PAT. OFF.

IRON CEMENTS

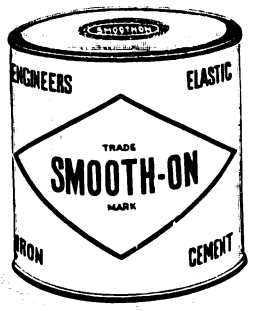


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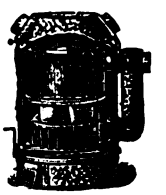
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FOR BUYERS AND SELLERS OF UNITED STATES

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COMMERCIAL

IT IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

REGISTER

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Barnum, E. T. Wire & Iron Works (Fencing), 82 Washington av, Detroit, Mich.
Bataille, Achille & Co., 587 Hudson, New York.
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CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Dufur & Co., 311 N Howard, Baltimore, Md.
Enterprise Fdry & Fence Co., Indianapolis, Ind.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E 17th (Union square), New York & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
McLean, Jno., 440 Water, New York
Manhattan Brass Co., 334 E 28th, New York
Mast, Foos & Co., Springfield, O.
MEYERS, FRED. J. MF'G. CO., Hamilton, O. (See adv. index, end of book)
Peter, F. N. & Bro., Newside, Pa.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Stewart Iron Works, Covington, Ky.
Union Equipment & Bronze Co., 1901 Park av, New York
VULCAN CO., Detroit, Mich. (See adv. index, end of book)

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Blaw Collapsible Steel Centering Co. (Collapsible), Westinghouse bldg., Pittsburg, Pa.
Duralite Company (Steel Forms for Sewers, Arches, Partitions, Caissons, etc.), 42 B'way, New York
Jackson, Geo. W., Inc. (Steel Ribs & Lagging for Tunnels, Bridges, Foundations, etc.), 169 W Jackson boul., Chicago, Ill.
RANSOME CONCRETE MACHINERY CO., Dunellen, N. J. (See adv. index & branch offices, end of book)

Centers (Bench)

Brown & Sharpe Mfg. Co., Providence, R. I.
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Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

Centers (Car Wheel)

Commonwealth Steel Co. (Open Hearth Locomotive Driving Wheel Centres), Bank of Commerce Bldg., St. Louis, Mo.
Pittsburg Steel Foundry (Open Hearth Steel, Locomotive Wheel Centres & Frames), Pittsburg, Pa.
New York Switch & Crossing Co. (Hard Steel), Hoboken, N. J.
Scullin-Gallagher Iron & Steel Co. (Driving Wheel Centres), St. Louis, Mo.
Standard Steel Works, Harrison bldg, Philadelphia, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

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Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
Garvin Machine Co., 137 Varick, New York
Gould & Eberhardt, Newark, N. J.
Kempsmith Mfg. Co., Linus, c Woodward, Milwaukee, Wis.
Newton Machine Tool Works (Inc.), 2343 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Stockbridge Machine Co., Worcester, Mass.
Waltham Watch Tool Co., Springfield, Mass.

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MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Centers (Planer)

Fay & Scott, Dexter, Mass.
Fitchburg Machine Works, Fitchburg, Mass.
Hamilton Machine Tool Co., Hamilton, O.
Hendey Machine Co., Torrington, Conn.
New Haven Mfg. Co., New Haven, Conn.
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Pratt & Whitney Co., Hartford, Conn.
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Walcott & Wood Machine Tool Co., Jackson, Mich.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

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Peck, Stow & Wilcox Co., Southington, Conn.
Penn. Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wrightsville Hardware Co., Wrightsville, Pa.

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American Tool & Machine Co. ("Weston," Belt, Water & Electrical Driven; also for Laboratory or Experimental Use), 109 Beach, Boston, Mass.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Remmers, B. & Sons (Special, for Starch & Chemical Factories), Bourse bldg, Phila., Pa.

Cesspools

Barber Mfg. Co., Ashtabula, O
Barnes Mfg. Co., Mansfield, O.
Casey-Hedges Co., Chattanooga, Tenn.
CENTRAL FOUNDRY CO. (Also Miscellaneous Accessories), 37 Wall, New York. (See adv. index, end of book)
Estabrook's, B. Sons ("Estabrook" Deep Seal), 204 W 1st S. B., Boston, Mass.
Glenn Mfg. Co. (Bell Trap, etc.), St. Charles, Ill.
Haines, Jones & Cadbury, 1136 Ridge av, Phila., Pa.
Kokomo Brass Works (Brass Threaded), Kokomo, Ind.
Kupferle, Jno. C., Foundry Co., St. Louis, Mo.
McDonald Bros., Columbus, O.
Madison Foundry Co. ("Acme"), 935 Addison rd, N. E., Cleveland, O.
Modern Iron Works (with Ball Traps, etc.), Quincy, Ill.
Northwestern Foundry & Supply Co., Detroit, Mich.
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
Steiger & Kerr Stove & Foundry Co., San Francisco, Cal.
Swett, A. L., Iron Works, Medina, N. Y.
Trenton Brass & Machine Co., Trenton, N. J.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

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(See Belting, Chain or Link)

Chain Blocks

(See Hoists, Chain)

Chain Links & Chain (Punched)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
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NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Rhode Island Tool Co., Providence, R. I.
Transue & Williams Co. (Drop Forged Chain Links), Alliance, O.
Union Drop Forge Co. (Conveyors Links), Chicago, Ill.

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(See Machinery, Chain)

*Chain Repair Links

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chain Saw Mortiser

New Britain Machine Co., New Britain, Conn.

*Chain (Second Hand)

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*Chain Slings

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Chain Stays

American Pin Co. (Brass), Waterbury, Conn.
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Clow, Jas. B. & Sons, 342 Franklin, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Detroit Sanitary Supply Co., Detroit, Mich.
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McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
Milwaukee Brass Mfg. Co., 241 Lapham, Milwaukee, Wis.
Mott, J. L. Iron Works, 118 5th av., New York
Nelson, N. O. Mfg. Co., St. Louis, Mo.
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Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Reid, R. W., 272 Kent av, Brooklyn, N. Y.
Sanitary Co., Cleveland, O.
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Street & Kent Mfg. Co., 41 Fulton, Chicago, Ill.
Waterbury Mfg. Co., Waterbury, Conn.
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Wolverine Brass Works, Grand Rapids, Mich.

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BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
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Columbus Chain Co., Columbus O.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Hayden-Corbett Chain Co., Columbus, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
McCoy & Linn Iron Co., Milesburg, Pa.
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Mundorf, Geo. W., York, Pa.
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Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.
Todd Mfg. Co., New Albany, Ind.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Wyatt, Thomas Mfg. Co., Providence, R. I.

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NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
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Chains (Automobile)

(See Chains, Power Transmission)

Chains (Awning)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind.
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

Chains (Ball Bearing)

Carter Iron Co. ("The Carter"), Pittsburg, Pa.

Chains (Bicycle)

Baldwin Chain Mfg. Co., Worcester, Mass.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
Hall, Chas. E. Co., Buffalo, N. Y.
Lefever Arms Co., Syracuse, N. Y.
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(See also Chains, Log)

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Chains (Bit)

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Chains (Block)

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Diamond Chain & Mfg. Co., Indianapolis, Ind.
Hayden-Corbett Chain Co., Columbus, O.
Lebanon Chain Works, Lebanon, Pa.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
MacPherson, Willard & Co., Fieldsboro, N. J.
Monongahela Iron & Steel Co., Pittsburg, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.
Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co., Hartford, Conn.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O.

Chains (Brake)

Baker, Jas. H. Mfg. Co., Park bldg. Pittsburg, Pa. Works: Tarentum, Pa.
Carr, Jos. B. Co., Troy, N. Y.
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lebanon Chain Works, Lebanon, Pa.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
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Round, David, & Son, 7623 B'way S. E.
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Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O.
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Bliss, A. H. Co. (Small), North Attleboro, Mass.
Bridgeport Brass Co., Bridgeport Conn., & 19 Murray, New York
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind
Hale Bros., Worcester, Mass.
HUNGERFORD, U. T. BRASS & COPper Co. (Mfrs.' Agents), 497 Pearl, New York
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Rome Brass & Copper Co., Rome, N. Y.
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Steele & Johnson Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Waterbury Brass Goods Corporation, Waterbury, Conn.

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(See also Chains, Coil)

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Chains (Breeching)

(See Chains, Coil)

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Carter Iron Co., Pittsburg, Pa.
Columbus Chain Co. (Close & Stud Link), Columbus, O.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co. (Closed & Stud Link), Pittsburg, Pa.
Lebanon Chain Works (Hand Made), Lebanon, Pa.
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McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
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Standard Chain Co., Pittsburg, Pa.
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West End Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.
Wyatt, Thos. Mfg. Co. (Hand Made), Providence, R. I.

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(See Chains, Brake)

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Covert Mfg. Co. ("Yankee," Breast), Troy, N. Y.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
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McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
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Starr, W. C. & Son, Richmond, Ind.
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Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
Todd Mfg. Co., New Albany, Ind.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
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Woodhouse, Samuel (Sizes 3-16 to 2-inch) 3515 E 82d, S E, Cleveland, O.

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Jones & Laughlin Steel Co., Pittsburg, Pa.
Michigan Sprocket Chain Co., Detroit, Mich.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Rivetless Chain Co. (Steel), Lebanon, Pa.
Standard Chain Co., Pittsburg, Pa.

Chains (Copper)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of bo
Diamond Chain & Mfg. Co., Indianapolis, Ind.

Chains (Cow Tie)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, O.
McCoy & Linn Iron Co., Milesburg, Pa.
Mundorf, Geo. W., York, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
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Woodhouse Chain Works, Trenton, N. J.

Chains (Crane)

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Carr, Joseph B. Co., Troy, N. Y.
Carter Iron Co., Pittsburg, Pa.
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. Index, end of book)
Hoopes & Townsend Co., 1330 Buttonwood Phila., Pa.
Hunt, C. W., Co., West New Brighton, S. I., N. Y.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lebanon Chain Works (Hand Made), Lebanon, Pa.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
MacPherson, Willard & Co., Fieldsboro, N. J.
Monongahela Iron & Steel Co. ("Carter" Ball Bearing, "Monon" & "Misco"), Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.

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Curry Combs	Trace Chains	Dog Couplers	Cross Rein Chains	Shoulder or Carrying Chains
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Seal Presses, Hotel Key Checks, Key Ring Tags, Advertising Checks, Trade Checks, Baggage Checks, Pool Checks, Time Checks, Steel Stamps, Letters and Figures, Medals, Badges, Lettering Dies for Die Sinkers, Animal Traps, Ice Cream Block Freezers, Etc., Etc.

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We make Hardware Specialties for others, Stamped and Formed from Sheet and Plate Steel, Brass, Tin, Copper and Aluminum, and from Steel and other Rods, Bars and Wire. We do Drop Forging and Screw Machine Work. We do Wire Forming, and make Specialties to order in Wood. We do Buffing, Polishing, Enameling and Electroplating in Copper, Nickel, Brass and Zinc. We make Cutting, Punching and Embossing Dies, make Tools and Models to order, and do Die Sinking and Engraving. We make all the Dies we use in our own business, and all the Dies and Tools for the Specialties we make for others. We also make Dies for our customers to use in their own shops, in many cases fitting them up with Presses and other Tools complete to do their own manufacturing.

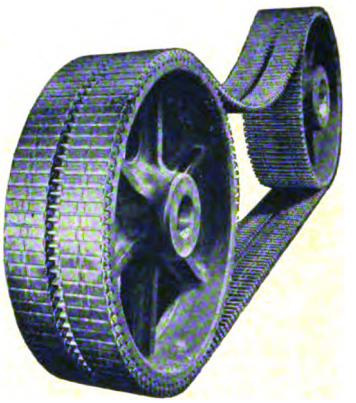
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NIAGARA FALLS, N. Y.

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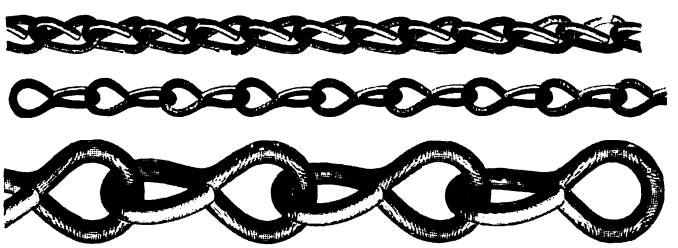
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Standard Chain Co., Pittsburg, Pa.
Starr, W. C. & Son (Swedish Iron), Richmond, Ind.
Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O
Wyatt, Thomas Mfg. Co., Providence, R. I.

Chains (Differential Pulley Block)

Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, Ohio.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Round, D., & Son, 7625 B'way, S. E., Cleveland, Ohio
Standard Chain Co., Pittsburg, Pa.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O.

Chains (Dog Lead)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.). Dep't G "American," "Niagara," Weldless), Oneida, N. Y. (See adv. index & branch offices, end of book)
Smith & Egge Mfg. Co., Bridgeport, Conn.
Wire Goods Co., Worcester, Mass.

Chains (Drag)

Buhl Malleable Co., Detroit, Mich.
Exeter Machine Works, Pittston, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
West End Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.

Chains (Dredge)

American Bridge Co., Pittsburg, Pa. & 30 Church, New York
Bradlee & Co., 726 Richmond, Phila., Pa.
Carr, Jos. B. Co., Troy, N. Y.
Carter Iron Co., Pittsburg, Pa.
Columbus Chain Co., Columbus, O.
Haskell, Wm. H. Mfg. Co. (Punched Link), Pawtucket, R. I.
Hayden-Corbett Chain Co., Columbus, O.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lebanon Chain Works, Lebanon, Pa.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
Monongahela Iron & Steel Co. ("Carter" Ball Bearing "Monon" & "Misco"), Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
NEWHALL CHAIN, FORGE & IRON Co. (Branded "Warwick" & "Trident"), 90 West, New York
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Round, David, & Son, 7625 B'way, S. E., Cleveland, O.
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.
Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O.

Chains (Elevator)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Carter Iron Co., Pittsburg, Pa.
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, Ohio.
Hoopes & Townsend Co. (Drop Forged), 1330 Buttonwood, Phila., Pa.
JEFFREY MFG. CO., Columbus, Ohio. (See adv. index & branch offices, end of book)
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
ONEIDA COMMUNITY (Ltd.), Dep't G ("American," "Niagara," "Eureka," Weldless), Oneida, N. Y. (See adv. index & branch offices, end of book)
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
West End Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.

Chains (Fire Hydrant)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Fish Stringer)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Chains (Frictionless, Rocker Joint)

MORSE CHAIN CO., Ithaca, N. Y. (See adv. index, end of book)

Chains (Furnace)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G ("American," Weldless), Oneida, N. Y. (See adv. index & branch offices, end of book)

Chains (Galvanized Pump)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cleveland Galvanizing Works, Cleveland, O.
Douglas, W. & B., Middletown, Conn., & 88 John, New York
Garland Nut & Rivet Co., Pittsburg, Pa.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Schriver, O. P. & Co. ("I. X. L."), 621 Pearl, Cincinnati, O.
Union Mfg. Co., New Britain, Conn., & 108 Chambers, New York

Chains (Gear Link Drive)

Union Malleable Iron Co. ("Heald's" Patent), E. Moline, Ill.

*Chains (German Silver)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Chains (Gilded)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Halter)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, Co.
Covert Mfg. Co., Troy, N. Y.
McCoy & Linn Iron Co., Milesburg, Pa.
Mundorf, Geo. W., York, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Niagara"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.

*Chains (Hame)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Chains (Hammock)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Harness)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, O.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Seneca Chain Co. (All Kinds), Kent, O.
Starr, W. C. & Son, Richmond, Ind.
Todd Mfg. Co., New Albany, Ind.
Woodhouse Chain Works, Trenton, N. J.

Chains (Hitching or Mine)

Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, Ohio.
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Woodhouse Chain Works, Trenton, N. J.

Chains (Hog)

PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Wendt, Albert, 456 E. 2d, Cincinnati, O.

Chains (Hoist)

Columbus Chain Co., Columbus, O.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Hayden-Corbett Chain Co., Columbus, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
McKay, Jas. & Co., Germania Bank bldg. Pittsburg, Pa.; Works: McKees Rocks, Pa.
NEWHALL CHAIN, FORGE & IRON CO. (Branded "Warwick" & "Trident"), 90 West, New York
Seneca Chain Co., Kent, O.
Woodhouse Chain Works, Trenton, N. J.

Chains (Howe Bull)

Link Belt Co., W 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
Hayden-Corbett Chain Co., Columbus, O.

Chains (Hydrant Sets)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)

Chains (Ice Elevator)

JEFFREY MFG. CO., Columbus, Ohio. (See adv. index & branch offices, end of book)
Smith, Thos. & Co., Worcester, Mass.

Chains (Jack)

(See also Chains, Safety)

Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Corbin Screw Corporation (Iron & Brass, Single or Double), New Britain, Conn.
Hale Bros., Worcester, Mass.
Hungerford, U. T., Brass & Copper Co. (Brass & Iron), 497 Pearl, New York

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JEFFREY MFG. CO., Columbus, Ohio. (See adv. index & branch offices, end of book)
Phoenix Hardware Mfg. Co., Homer, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith & Egge Mfg. Co. (Brass & Iron), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Waterbury Brass Goods Corporation, Waterbury, Conn.
Wire Goods Co., Worcester, Mass.

*Chains (Jockey)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G ("Niagara," Weldless3, Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Kennel)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G ("American," "Niagara," Weldless), Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Key)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Laminated Hoisting)

Diamond Chain & Mfg. Co., Indianapolis, Ind.
Hunt, C. W., Co., West New Brighton, S. I., N. Y.

Chains (Link)

(See Chain Links & Chains, Punched)

Chains (Log)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end book)
Baker, Jas. H., Park bldg, Pittsburg, Pa.; Works: Tarentum, Pa.
Carr, Jos. B. Co., Troy, N. Y.
Columbus Chain Co., Columbus, O.
Diamond Iron Works (Log & Cable Haul Up), Minneapolis, Minn
Hayden-Corbett Chain Co. (Ring & Hook), Columbus, O
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
JEFFREY MFG. CO., Columbus, Ohio. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lane Mfg. Co., Montpelier, Vt.
McCoy & Linn Iron Co., Milesburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Michigan Sprocket Chain Co., Detroit, Mich.
Mundorf, Geo. W., York, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Round, David, & Son, 7625 B'way, S. E., Cleveland, O.
Seneca Chain Co., Kent, Ohio
Starr, W. C. & Son, Richmond, Ind.
Standard Chain Co., Pittsburg, Pa.
Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
Todd Mfg. Co., New Albany, N. Y.
West End Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.

Chains (Machinery)

Bliss, E. C. Mfg. Co., Providence, R. I.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind.
ONEIDA COMMUNITY (Ltd.), Dep't G ("American," "Niagara," "Eureka," Weldless), Oneida, N. Y. (See adv. index & branch offices, end of book)
Whitney Mfg. Co., 80 Huyshope, Hartford, Conn.

Chains (Marine Railway)

(See Chains, Cable & Marine)

*Chains ("Morse," Silent Running)

MORSE CHAIN CO. (High Speed), Ithaca, N. Y. (See adv. index, end of book)

Chains (Padlock)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Picture)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

*Chains (Pipe Hanger)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dep't G Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

Chains (Plumbers')

Bridgeport Brass Co., Bridgeport, Conn., & 253 B'way, New York
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Corbin Screw Corporation, New Britain, Conn.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Glauber, M., & Co., 317 E. 58th, New York.
Hungerford, U. T. Brass & Copper Co. (Brass & Nickel Plated), 497 Pearl, New York
Oneida Community (Ltd.), Kenwood, N. Y.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Russell, J. M. Mfg. Co., Naugatuck, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Waterbury Brass Goods Corporation, Waterbury, Conn.
White, H. G., Niagara Falls, N. Y.
Wire Goods Co., Worcester, Mass.
Zogg, Nicholas, 732 E 143d, New York

Chains (Pole)

(See Chains, Coil)

Chains (Porch Swing)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, O.
ONEIDA COMMUNITY (Ltd.), Dep't G Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Post)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Pot)

Wire Goods Co. ("King's-2-Ring"), Worcester, Mass
Woods-Sherwood Co. ("Sherwood's"), Lowell, Mass.

Chains (Power Transmission)

Baldwin Chain & Mfg. Co., Worcester, Mass.
Boston Gear Works, Norfolk Downs, Mass.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind
Dodge Mfg. Co., Mishawaka, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co. ("Renold Silent"), N 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
Michigan Sprocket Chain Co. (Riveted Drive), Detroit, Mich.
Miller, Charles E. ("Brampton's" Imported), 97 Reade, New York
MORSE CHAIN CO. ("Morse" High Speed, Silent Running), Ithaca, N. Y. (See adv. index, end of book)
NEWHALL CHAIN, FORGE & IRON Co. (Automobile), 90 West, New York
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Schmidt Drive Chain Co., 265 B'way, New York
Whitney Mfg. Co., Hartford, Conn.

Chains (Pump)

(See also Chains, Galvanized Pump)
Woodhouse Chain Works, Trenton, N. J.

Chains (Quarry)

(See Chains, Crane; also Chains, Dredging)

Chains (Rafting)

Buhl Malleable Co., Detroit, Mich.
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Seneca Chain Co., Kent, O.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.

Chains (Railroad)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Carr, Jos. B. Co., Troy, N. Y.
Carter Iron Co., Pittsburg, Pa.
Columbus Chain Co., Columbus, O.
Enterprise Chain Works, Trenton, N. J.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Monongahela Iron & Steel Co., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
O'Leary, Arthur J. & Sons Co. (Crossing & Switch), 130 Lake, Chicago, Ill.
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Round, David, & Son, 7625 B'way, S. E., Cleveland, O.
Standard Chain Co., Pittsburg, Pa.
Taylor, S. G. Chain Co., 98 Indiana, Chicago, Ill.
West End Rolling Mill Co. & Chain Works, Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse, Samuel, 3515 E 82d, S E, Cleveland, O.
Wyatt, Thomas Mfg. Co., Providence, R. I.

*Chains (Rein)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Roller)

Baldwin Chain & Mfg. Co., Troy, N. Y.
Caldwell, H. W. & Son Co. (Interlocking Bolted), 17th & Western av, Chicago, Ill.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co. (Malleable Iron), W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Michigan Sprocket Chain Co., Detroit, Mich.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
Whitney Mfg. Co. (Detachable or Riveted), Hartford, Conn.

Chains (Safety)

(See also Chains, Jack; also Chains, Plumbers')
Baker, Jas. H. Mfg. Co., Park bldg, Pittsburg, Pa.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Phoenix Hardware Mfg. Co., Homer, N. Y.
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Plume & Atwood Mfg. Co. (Brass), Waterbury, Conn., & 29 Murray, New York

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Russell, J. M. Mfg. Co., Naugatuck, Conn.
Steel Car Forge Co., Pittsburg, Pa.; Works: Elwood City, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corporation, Waterbury, Conn.
White Hill Chain Works, Fieldsboro, N. J.
Wire Goods Co., Worcester, Mass.

Chains (Sash)

Atlantic Co., 26 Rodney, Brooklyn, N. Y.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Grant Pulley & Hardware Co., 35 Warren, New York
HUNGERFORD, U. T. BRASS & COPPER Co. (Bronze), 497 Pearl, New York
Morton, Thomas (Bronze & Steel Cable), 183 Lafayette, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pullman Mfg. Co., Rochester, N. Y.
Russell, J. M. Mfg. Co., Naugatuck, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Wire Goods Co., Worcester, Mass.
Zogg, Nicholas, 732 E 143d, New York

*Chains (Scissors)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Chains (Shoulder)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Sign)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

*Chains (Silent Running High Speed)

MORSE CHAIN CO. ("Morse" Chain Drive), Ithaca, N. Y. (See adv. index, end of book)

Chains (Spreader)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)

Chains (Sprocket Wheel)

American Chain & Foundry Co. (Detachable Sprocket), Majestic Bldg., Detroit, Mich.
Boston Gear Works, Norfolk Downs, Mass.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Buhl Malleable Co., Detroit, Mich.
Columbus Chain Co., Columbus, O.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Dodge Mfg. Co., Mishawaka, Ind.
Ewart Mfg. Co., Indianapolis, Ind.
Hayden-Corbett Chain Co., Columbus, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Locke Steel Belt Co., Bridgeport, Conn.
McKay, Jas. & Co., Pittsburg, Pa.
Michigan Sprocket Chain Co., Detroit, Mich.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Round, David, & Son., 7625 B'way, S. E., Seneca Chain Co., Kent, O. Cleveland, O.
Standard Chain Co., Pittsburg, Pa.
Standard Sand Machine Co., Cleveland, O.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Taylor Iron & Steel Co., High Bridge, N. J., & 1 B'way, New York
West End Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.

*Chains (Stallion)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Stay)

(See Chains, Wagon)

Chains (Steam Shovel)

(See Chains, Dredge)

Chains (Steel Bushed)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
Malin Co., 641 Long av., N. W., Cleveland, O.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Chains (Stone)

Columbus Chain Co., Columbus, O.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Pollard, Jos. G. (Fitted with Steel Hooks), 141 Raymond, Brooklyn, N. Y.

Chains (Stud Link)

Carter Iron Co. ("Carter"), Pittsburg, Pa.
Columbus Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Monongahela Iron & Steel Co. ("Carter," "Monon" & "Misco"), Pittsburg, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.

Chains (Tie Out)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Chains (Trace)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Carr, Jos. B. Co., Troy, N. Y.
Columbus Chain Co., Columbus, O.
Mundorf, Geo. W., York, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Round, David, & Son, 7625 B'way, S. E., Seneca Chain Co., Kent, O. Cleveland, O.
Standard Chain Co., Pittsburg, Pa.
Todd Mfg. Co., New Albany, Ind.
West End Iron Co., Lebanon, Pa.
Woodhouse, Samuel, Cleveland, O.

Chains (Transfer)

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Buhl Malleable Co., Detroit, Mich.
Exeter Machine Works, Pittsburg, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th & Stewart av, Chicago, Ill., 299 B'way, New York
Michigan Sprocket Chain Co., Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Chains (Transom)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Champion Safety Lock Co., Geneva, O.
Reading Hardware Co., Reading, Pa.

Chains (Tubular)

Diamond Chain & Mfg. Co. (Tubular & Rivet), Indianapolis, Ind.
Link Belt Co., W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York

Chains (Wagon)

Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co. (Stud Link), Columbus, O.
McCoy & Linn Iron Co., Milesburg, Pa.

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NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
ONEIDA COMMUNITY (Ltd.), Dept. G (Weldless, "American," "Niagara," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.
Starr, W. C. & Son, Richmond, Ind.
Todd Mfg. Co., New Albany, Ind.

*Chains (Watch)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Chains (Weldless Steel Wire)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)

Chains (Well)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Columbus Chain Co., Columbus, O.
McCoy & Linn Iron Co., Milesburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Mundorf, Geo. W., York, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Standard Chain Co., Pittsburg, Pa.

Chains (Windmill)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Seneca Chain Co., Kent, O.
ONEIDA COMMUNITY (Ltd.), Dep't G (Weldless, "American," "Eureka"), Oneida, N. Y. (See adv. index & branch offices, end of book)
Standard Chain Co., Pittsburg, Pa.

Chains (Wrecking)

Carr, Jos. B. Co., Troy, N. Y.
Columbus Chain Co., Columbus, O.
Hayden-Corbett Chain Co., Columbus, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Round, D. & Son, 2285 B'way, Cleveland, O.
Seneca Chain Co., Kent, O.
Standard Chain Co., Pittsburg, Pa.
Taylor, S. G. Chain Co., 100 Indiana, Chicago, Ill.
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
West End Iron Co., Lebanon, Pa.
Woodhouse, Samuel, Cleveland, O.

Chair Cane

(See Rattan & Reed Manufacturers)

Chair Machinery

(See Machinery, Chair)

Chairs (Cast Iron)

(See Fountains, Vases, Etc.; also Settees & Chairs, Iron)

Chairs (Folding)

Bausman, D. H. (Steel, High-Low Lawn), Bausman, Pa.
BURROWES, E. T. CO., THE ("Burrowes" Feather Weight), Portland, Me (See adv. index & branch offices, end of book)
Chicago Wire Chair Co. (Metal Frame), Chicago, Ill.
Curtiss Bros. (Camp), Richland, N. Y.
Kalamazoo Sled Co., Kalamazoo, Mich.
Lattimer, W. H. & Sons (Canvas), Orwell, N. Y.
Marks Adjustable Chair Co. (Also Adujustable) 50 E. 29th, New York
Readsboro Chair Mfg. Co. (& Tables), Readsboro, Vt.
Simmons Mfg. Co., 192 Michigan av, Chicago, Ill.
Small, S. C. Furniture Co. (On Wheels), 90 Canal, Boston, Mass.
Stevens Chair Co. (Adjustable), 141 7th, Pittsburg, Pa.
SUN MFG. CO. (Camp & Lawn), Columbus, O. (See adv. index, end of book)

*Chairs (Hair Dressing & Manicuring)

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)

Chairs (Invalid)

Bernstein Mfg. Co. (Reclining & Rolling, etc.), 3d & Allegheny av, Philadelphia, Pa.
Chicago Chair & Wheel Co. Chicago, Ill.
Gendron Wheel Co., Toledo, O.
Kalamazoo Sled Co. (Rocking & Reclining), Kalamazoo, Mich.
Marks Adjustable Chair Co. (Wheel Chairs, etc.), 50 E 29th, New York
Sackmann Mfg. Co. (Inc.) ("Barnhart," All Steel Reclining & Swinging), Akron, O.
Sargeant Mfg. Co., Muskegon, Mich.
Small, S. C. Furniture Co. (On Wheels), 90 Canal, Boston, Mass.

Chairs (Metal)

Royal Metal Mfg. Co. (Metal Chairs, Tables & Stools of Twisted Metal), 1817 Dearborn, Chicago, Ill.

Chairs (Rail)

Baugher, Kurts & Stewart, York, Pa.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.; Works: Harvey, Ill.
Burnham & Duggan Railway Appliance Co. (For Paved Track), 89 State, Boston, Mass.
Cornell, J. B. & J. M. Co. (Cast Iron), 26th & 11th av, New York
Lorain Steel Co. (Drop Forged, Used Under Shallow Girder or Tee Rails in Paved Streets), Penna. bldg, Phila., Pa.
Penna. Steel Co., Girard Trust bldg., Phila., Pa.
Pettibone, Mulliken & Co. (Samson Head Chairs), 204 Dearborn, Chicago, Ill.
Weir Frog Co., Beech & Highland av, Cincinnati, O.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Phila., Pa.

Chairs (Rattan)

(See Furniture, Rattan & Reed)

Chairs (Reclining)

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Andrews, E. N. ("Andrews" Faultless Adjustable), 3721 Indiana av., Chicago, Ill.
Bernstein Mfg. Co. (Self-Propelling), 3d & Westmoreland, Phila., Pa.
Comstock & McKee Mfg. Co., Greenfield, Ind
Fletcher & Webster Furniture Co., Nashua N. H.
Kalamazoo Sled Co., Kalamazoo, Mich.
Marks Adjustable Chair Co. (Adjustable Reclining Rocking), 50 E 29th, New York
Sargent Mfg. Co., Muskegon, Mich.
Scarritt, Comstock Co., B'way & Locust, St. Louis, Mo.
Stevens Chair Co., 141 7th, Pittsburg, Pa.

Chairs (Revolving)

Barnard & Simonds Co., Rochester, N. Y.
Bent, S. & Bro., Gardner, Mass.
Bethel Mfg. Co., Bethel, Me.
Rodenstein & Kuemmerle (Inc.), Phila., Pa.
Burtch, Y. W. & Co., Jamestown, N. Y.
Carriage & Toy Co., Baltimore, Md.
Central Chair Co., Indianapolis, Ind.
Chichester Bros. Chair Co. (Typewriter, Adjustable Back), 15 Elisabeth, New York
Chipman, Geo. & Son, Baltimore, Md.
Cleveland Store Fixture Co., Cleveland, O.
Closterman, H., Cincinnati, O.
Columbus Aseptic Furniture Co., Columbus, O.
Conrades, J. H. Chair & Furniture Co., St. Louis, Mo.
Crocker Chair Co., New York
Crown Chair Mfg. Co., Evansville, Ind.
Culler Furniture Co., Williamsport, Pa.
Davis Chair Co. (Office & Typewriter), Marysville, O.
De Frehn, W. & Sons, Johnstown, Pa.
Delaware Chair Co., Delaware, O.
Dunn, Jno. A. & Co., Gardner, Mass.
Eclipse Mfg. Co. (Office Arm Chairs, etc.), York, Pa.
Ehlers, Robert J. Co., New York
Finn Bros., New York
Ford & Johnson Co., Chicago, Ill.
Fort Smith Chair Co., Fort Smith, Ark.
Grand Ledge Chair Co., Grand Ledge, Mich.
Greenwood Bros. Co., Gardner, Mass.
Gunlocke, W. H. Chair Co., Wayland, N. Y.
Hale Co., New York
Hartwig & Kempner, Baltimore, Md.
Hechinger Bros. & Co., Baltimore, Md.
Heywood Bros. & Wakefield, Gardner, Mass.
Hubbard & Eldredge Co., Rochester, N. Y.
Karpen, S. & Bros., Chicago, Ill.
Kohn, Jacob & Josef, New York
Logeman, F. H. Chair Mfg. Co., St. Louis, Mo.
Marble, B. L. Chair Co., Bedford, O.
Marble & Shattuck Chair Co. (Office Desk), Foster av nr Doan, Cleveland, O.
Marietta Chair Co., Marietta, O.
Mason, J. W. Co., New York
Milwaukee Chair Co., Milwaukee, Wis.
Murphy Chair Co. (Office), Harper av, Detroit, Mich.
Nichols & Stone, Gardner, Mass.
Otsego Chair Co., Otsego, Mich.
Ott, L. W. Mfg. Co., Indianapolis, Ind.
Parkersburg Chair Co., Parkersburg, W. Va.
Phoenix Chair Co., Sheboygan, Wis.
Pierce, S. K. & Co., Gardner, Mass.
Poughkeepsie Chair Co., Poughkeepsie, N. Y.
Retting Furniture Co., Grand Rapids, Mich.
Rossell Bros. & Co., Phila., Pa.
Royal Metal Mfg. Co., 1817 Dearborn, Chicago, Ill.
Sikes Chair Co., Buffalo, N. Y.
Sikes Co., Phila., Pa.
Sikes Consolidated Chair Co., New York
Southern Chair Co., High Point, N. C.
Taylor Chair Co., Bedford, O.
Thonet Bros., New York
Toledo Metal Furniture Co., Toledo, O.
Tonk Mfg. Co., Chicago, Ill.
Union City Chair Co., Union City, Pa.
Webster Mfg. Co., Superior, Wis.
Williams & Co., Toledo, O.

*Chairs (Shampoo)

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)

Chairs (Steamer)

Collegnon, A., Westwood, N. J.

*Chalk (Billiard)

AMERICAN CRAYON CO. (White & Colored, "Diamond," "Eureka"), Sandusky, O. (See adv. index & branch offices, end of book)

*Chalk (Bowling)

AMERICAN CRAYON CO. (Hand & Foot), Sandusky, O. (See adv. index & branch offices, end of book)

*Chalk (Carpenters')

AMERICAN CRAYON CO., Sandusky, O. (See adv. index & branch offices, end of book)

Chalk Lines

Draper, W. H. & Son (Also Fish Lines), Troy, N. Y.
Gladding, B. F. & Co. (Also Cotton, Linen & Silk Fish Lines), S. Otselic, N. Y.
Ossawan Mills Co., Norwich, Conn.
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 78 Chauncy, Boston, Mass. (See adv. index, end of book)

*Chalk (Lump & Powdered)

AMERICAN CRAYON CO., Sandusky, O. (See adv. index & branch offices, end of book)
DOGGET, STANLEY, 101 Beekman, New York. (See adv. index, end of book)

Chalk Mfrs.

AMERICAN CRAYON CO. (Carpenters' Lump, Powdered, Bowling & Billiard), Sandusky, O., & Waltham, Mass. (See adv. index, end of book)
Binney & Smith Co. (All Kinds), 81 Fulton, New York

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Currie, Chas. E., Baxter av, Louisville, Ky.
Sandusky Crayon Co., Sandusky, O.
Steward, D. M. Mfg. Co., East End, Chattanooga, Tenn.
Stickney, Terrill & Co. (Importers), 31 Milk, Boston, Mass.

Chalk (Precipitated)

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Knappmann, Wm. & Co., 31 Nassau, New York
National Aniline & Chemical Co., 100 William, New York

*Chalk (Red Marking)

HARRISON SUPPLY CO. (for Stone Trade), 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)

Chamois Skins

Rhodes, James H., & Co. (English & American), 117 Kenzie, Chicago, Ill.

Chandeliers

(See Gas & Electric Fixtures)

*Changeable Office & Loft Building Directories.

TABLET & TICKET CO., 70-86 W Jackson boul, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Changers (Pole)

American Elec. Telephone Co., 64th & State, Chicago, Ill.
Current Electric Co. ("Standard"), 50 State, Chicago, Ill.
Holtzer-Cabot Electric Co. (Telephone), Brookline, Mass.
Kellogg Switchboard & Supply Co., Green & Congress, Chicago, Ill.
Sandwich Pole Changer Co. (Sandwich Elec. Co. Propt's), Sandwich, Ill.
Warner Electric Co., Muncie, Ind.

Chaplets (Foundry)

Benskin Mfg. Co., Canton, Ohio.
Burdick & Son (Core), Albany, N. Y.
Cleveland Chaplet Mfg. Co., Cleveland, O.
Crescent Brass & Pin Co., Detroit, Mich.
Gem Mfg. Co., Pittsburg, Pa.
Fanner Mfg. Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Holder Mfg. Co., Indianapolis, Ind.
Lindsay, W. W., & Co., Phila., Pa.
Paxson, J. W. Co., 1021 N Delaware av, Phila., Pa.
Pratt Chuck Co., Frankfort, N. Y.
Shanafelt Mfg. Co., Canton, O.
U. S. Chaplet & Supply Co., 140 Cedar, New York

Chaplets (Radiator)

Crescent Brass & Pin Co. (Double Head Chaplets), Detroit, Mich.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pratt Chuck Co., Frankfort, N. Y.

Charcoal

Ballard, J. W., Binghamton, N. Y.
Bartley, John & Co., Mount Alton, Pa.
Berger Bros., 1217 State, Chicago, Ill.
Binney & Smith Co., 81 Fulton, New York
Boyne City Chemical Co., Boyne City, Mich.
Bradford Chemical Co., Bradford, Pa.
Brown, L. S. Charcoal Co. (Lump, Flour & Granulated), Springfield, Mass.
Cleveland-Cliffs Iron Co., Cleveland, O.
Cummer, Diggins & Co. (Retort), Cadillac, Mich.
Desmond, F. O., Traverse City, Mich.
DOGGETT, STANLEY (Powdered), 101 Beekman, New York. (See adv. index, end of book)
Immerman, A. & Co., Thompsonville, Mich.
Kelly, Thos. P., 544 W 22d, New York
Long Island Charcoal Co., 78 N 6th, Brooklyn, N. Y.
McCormick, J. S. Co., 25th & A. V. R'y, Pittsburg, Pa.
Manufacturers' Charcoal Co., Bradford, Pa.
Miller Bros., Colden, N. Y.
Montour Charcoal Co., Kansas City, Mo.
Newman, H. B. Charcoal Co., 543 W 25th, New York
Noble Electric Steel Co., San Francisco, Cal.
Obermayer, S., Co., 647 Evans, Cincinnati, O.
Onota Charcoal Mfg. Co., Onota, Mich.
Pioneer Iron Co., Negaunee, Mich.
Rasmussen, S. P., 327 Stevens, St. Paul, Minn.
Rowand, John R. (ReCarbonized, Pulverized & Granulated), Clementon, N. J.
Russell Chemical Co., Russell, Pa.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
SPRINGFIELD FACING CO. (In Every Form), Springfield, Mass. (See adv. index, end of book)
Spring Valley Iron & Ore Co., Monadnock Blk., Chicago, Ill., & Spring Valley, Wis.
Stevens, Frederic B. (Powdered), 3d av. & Larned, W., Detroit, Mich.
Taylor, J. W., Summerville, S. C.
Wolf, Penrose, Rockwood, Pa.
Wright, T. B. & Co., Mariners' & Merchants' bldg, Phila., Pa.

Charcoal (Bone)

Baugh & Sons Co. (Animal Charcoal), 20 S Delaware av, Phila., Pa.
Binney & Smith Co., 81 Fulton New York.
Bower, Henry Chemical Mfg. Co., 29th & Gray's Ferry Rd., Phila., Pa.

Charging Sets (Automobile)

Dayton Electrical Mfg. Co. ("Apple's"), Dayton, O.
Elwell-Parker Electric Co., 4222 Hamilton av, N E, Cleveland, O.
GENERAL ELECTRIC CO. (Arc Rectifier), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Merriam-Abbott Co., 58 E Prospect, Cleveland, O.
Richardson Engineering Co., Hartford, Conn.
Wagner Electric Mfg. Co., 2015 Locust, St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Chasers (Screw)

Brubaker, W. L. & Bros., Millersburg, Pa.
Card Mfg. Co., Mansfield, Mass.
Polk, A. J. & Son, Millersburg, Pa.

Check Blanks (Brass)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Schwerdtle Stamp Co. (Key, Time & Pay), Bridgeport, Conn.
Scovill Mfg. Co., Waterbury Conn.
Waterbury Brass Goods Corporation, Waterbury, Conn.

Check Perforators

Childs, S. D. & Co., 200 S Clark, Chicago, Ill.
Cummins, B. F. Co., 42 Jackson boul, Chicago, Ill.
Ingersoll, Robt. H., & Bro. ("J. H. Williams Patent"), 45 John, New York
Pritchard-Strong Co., Rochester, N. Y.
Russell, Wm. F. ("Protectographs"), 5 Beekman, New York
Wesley Mfg. Co., 31 Beekman, New York

Check Protectors

American Novelty Co. ("Little Giant"), Syracuse, N. Y.
Angell, E. E. & Co. ("Printamount"), 366 Atlantic, Boston, Mass.
Defiance Machine Co. ("Defiance," "Twentieth Century"), Rochester, N. Y.
Dorman, J. F. W. Co., 256 N Calvert, Baltimore, Md.
Hill, B. B. Mfg. Co., 1020 New Market, Philadelphia, Pa.
Hoggson & Pettus Mfg. Co., New Haven, Conn.
Hunt, Edward ("Protectograph"), Cuyahoga Bldg., Cleveland, O.
Ingersoll, Robt. H., & Bro. ("J. H. Williams Patent"), 45 John, New York
Peerless Stamp & Stencil Co., Muncie, Ind.
SMITH, R. H. MFG. CO., Springfield, Mass. (See adv. index, end of book)
Stewart Check Protector, Borden blk., Chicago, Ill.
Todd, G. W. & Co. ("Protectograph"), Rochester, N. Y.

*Checks (Advertising)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Checks (Baggage)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)
Bennett, Hiram H. T., 58 Griswold, Detroit, Mich.
Brass Goods Mfg. Co., Nevin c Union, Brooklyn, N. Y.
Chicago Car Seal & Mfg. Co., 108 N Green, Chicago, Ill.
Dennison Mfg. Co. (Paper & Cloth), 26 Franklin, Boston, Mass., & 15 John, New York
Detroit Rubber Stamp Co., 96 Griswold, Detroit, Mich.
Gibson, A. C. Co., 333 Wash'n, Buffalo, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
Hoil, T. & Co., 333 Main, Buffalo, N. Y.
Meyer & Wenthe, 90 Dearborn, Chicago, Ill.
Ness, Geo. M., Jr., 61 Fulton, New York
New York Stencil Works, 100 Nassau, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Peerless Stamp & Stencil Co., Muncie, Ind.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Robbins, John Mfg. Co. (Also Red Fibre Key Tags), 58 Kneeland, Boston, Mass.
Sackmann Mfg. Co. (Brass & Aluminum, for All Purposes), 19 Cherry, Akron, O.
Schwerdtle Stamp Co., Bridgeport, Conn.
Spencer, Wm. W., 206 Post sq, Cincinnati, O.
Stafford, Nelson Co., 67 Fulton, New York
Stewart & Holiman (Brass), 201 B'way, New York
Tenney, J. F. Co., 152 Lake, Chicago, Ill.
Volk Stamp & Stencil Co., 62 Griswold
Wilcox, W. W. & Co., 201 Lake, Chicago, Ill.
Woodman, R. Mfg. & Supply Co., 63 Oliver, Boston, Mass.

Checks (Factory Time)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)
DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Hard Fibre), Elsmere, Del. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Co., Niagara Falls, N. Y. (See adv. index, end of book)
Peerless Stamp & Stencil Co., Muncie, Ind.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., (Fibre), Wilmington, Del. (See adv. index, end of book)
Woodman Mfg. & Supply Co., 63 Oliver, Boston, Mass.

Checks (Identification)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls. (See adv. index, end of book)
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Sackmann Mfg. Co. (Inc.), Akron, O.

*Checks (Key)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)

Checks (Slot Machine)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)
Hanson, C. H. (Also Pay Checks, etc.), 44 S Clark, Chicago, Ill.

Checks (Trade)

Aluminum Mfg. Co., Two Rivers, Wis.
AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)

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Hanson, C. H., 44 Clark, Chicago, Ill.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Peerless Stamp & Stencil Co., Muncie, Ind.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Schwerdtle Stamp Co., Bridgeport, Conn.
Swisher, R. D. Mfg. Co., 150 5th av, Chicago, Ill.

Cheese Box Machinery

(See Machinery, Cheese Box)

Cheese Cloth

Devon Mills (Geo. S. Browne, Prop.) (Fine & Coarse for All Uses), Providence, R. I.

Chemical Apparatus

Bausch & Lamb Optical Co., Rochester, N. Y.
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Braun, F. W., Los Angeles, Cal.
Berge, J. & H., 95 John, New York
Caire, Justinian Co., 565 Market, San Francisco, Cal.
Denver Fire Clay Co., Denver, Col.
Eimer & Amend, 205 3d av, New York
Feidt, Geo. D., & Co., 27 N. 7th, Phila., Pa.
Golden Pressed & Firebrick Co., Denver, Col.
Graham, Chas., Chemical Pottery Wks. ("Stoneware," Acid Proof), 986 Met. av, Brooklyn, N. Y.
Greiner, Emil Co., 45 Cliff, New York
International Instrument Co., 23 Church, Cambridge, Mass.
Knott, L. E. Apparatus Co., 15 Harcourt, Boston, Mass.
Kohlbusch, Sophia M., 194 B'way, New York
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Sargent, E. H. & Co., 143 E Lake, Chicago, Ill.
Stoelting, C. H. Co., Chicago, Ill.
Taunton Crucible Co. (Black Lead Crucibles, Stoppers, Nozzles, Covers, Dips, Basins, Stirrers, Domes, etc., for Assayers & Refiners), Office & Works, Taunton, Mass.
Thomas, A. H. Co., 1200 Walnut, Philadelphia, Pa.

Chemicalizers for Street-Alley Flushing

Thompson, Walter M., 835 W 5th, Cincinnati, Ohio

Chemicals

Alba Mfg. Co., Aurora, Ill.
Ashley, T. C. & Co., 54 High, Boston, Mass.
Avery Chemical Co., Boston, Mass.
Barrett Mfg. Co., 17 Battery pl, New York, & Philadelphia, Pa.
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Billings-Clapp Co., 178 Freeport, Dor., Boston, Mass.
Bower, Henry Chemical Mfg. Co., 29th & Gray's Ferry Rd., Phila., Pa.
Bucks Chemical Co., Wilmington, Del.
Butterworth-Judson Co., Newark, N. J.
Carbondale Chemical Co. (Ammonia & Chloride, etc.), Carbondale, Pa.
Clark, Fred. G. Co. (Heavy Chemicals, for Wholesale Trade Only), Cleveland, O.
Contact Process Co., Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Dow Chemical Co., Midland, Mich., & Cleveland, O.
Eimer & Amend (Jobbers, etc.), 205 3d av, New York
Gabriel & Schall (Importers), 205 Pearl, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Harshaw, Fuller & Goodwin Co., 319 Electric bldg., Cleveland, Ohio
Harshaw, Fuller & Goodwin Co., 319 Electric bldg, Cleveland, O.
Innis, Speiden & Co. (Nitrate of Soda, Anilines, etc.), 46 Cliff, New York
Klipstein, A. & Co., 122 Pearl, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Mechling Bros. Mfg. Co., Philadelphia, Pa.
Merrimac Chemical Co., Boston, Mass.
National Aniline & Chemical Co., 100 William, New York
Paper Makers' Chemical Co. (Paper Makers), Easton, Pa.
Rhodes, Jas. H., & Co. (Industrial Chemicals), 117 Kenzie, Chicago, Ill.
Roberts Chemical Co., Niagara Falls, N. Y.
SALMON, HAMILTON H. & CO., 88 Wall, New York
Salomon, L. A. & Bro., 216 Pearl, New York
Schoellkopf, Hartford & Hanna, Buffalo, N. Y.
Stamford Mfg. Co. (Chemicals & Dyestuffs), 88 Wall, New York, & Stamford, Conn.
Sullivan Chemical Co., Acidalia, N. Y.
Talcott, C. H. & Co., Hartford, Conn.
Taylor, Geo. F. Co., 80 Pine, New York
Thayer, E. M. & Co., 411 Atlantic av, Boston, Mass.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Union Sulphur Co. (Sulphor Only), 82 Beaver, New York

Chemicals (Battery)

(See Battery Chemicals)

Chemicals (Mantle, Incandescent Light)

Brauer, F. M., 415 W 46th, New York
Lieber, H. & Co., 1 Platt, New York
Pfatz, Henry, 300 Pearl, New York
Reno, Morris, 100 William, New York

Chemicals (Nickel & Electroplating)

Hanson & Van Winkle Co., 219 Market, Newark, N. J.
Zucker, Levett & Loeb Co., 529 W 25th, New York

Chemicals & Gases (Liquefied)

Hecla Compressed Gas Co., Chelsea, Mass.
Liquid Carbonic Co., 67 N Wells, Chicago, Ill.
White, S. S., Dental Mfg. Co., 1130 Chestnut, Philadelphia, Pa.

Chests (Cedar)

Curtis Cabinet Co., Jamestown, N. Y.
Vestal Lumber & Mfg. Co. ("Tennessee" Red Cedar), Knoxville, Tenn.

Chimes (Automobile)

BARCO BRASS & JOINT CO. ("Barco") Four Toned Motor), 50 N. Jefferson, Chicago, Ill. (See adv. index, end of book)

Chimes (Saddle, Pole, Hame, Etc.)

Starr Bros. Bell Co., East Hampton, Conn.

*Chimney Blocks (Air Space)

AMERICAN CONCRETE CO., 80 William New York. (See adv. index, end of book)

*Chimney Cowls

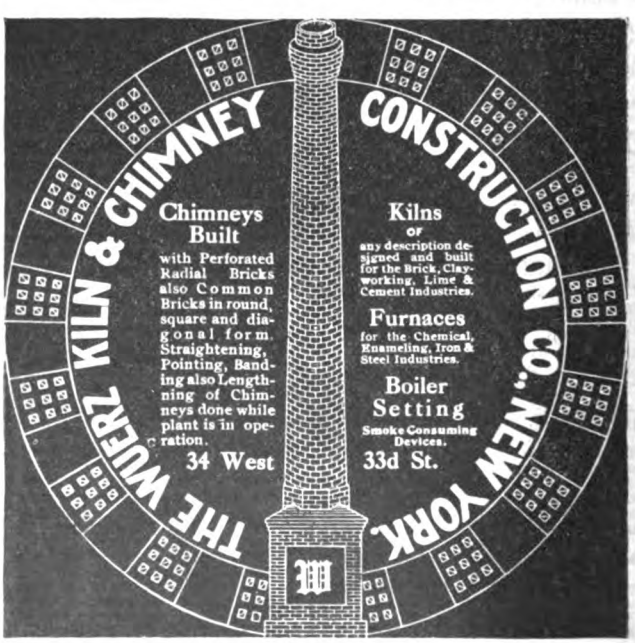
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)

Chimney Pipe

(See Flue Linings)

Chimney Tops

American Sewer Pipe Co., Bessemer bldg, Pittsburg, Pa.
Baltimore Terra Cotta Works, Baltimore, Md.
Buckeye Fire Clay Co., Uhrichsville, O.
California Clay Mfg. Co., Los Angeles, Cal.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Clawson, L. E. & Co., 1340 Market, San Francisco, Cal.
Dee, Wm. E., Clay Mfg. Co., 169 Jackson boul., Chicago, Ill.
Dickey, W. S. Clay Mfg. Co., N. Y. Life bldg., Kansas City, Mo.
Dunlap Mfg. Co. (Underground), Dunlap, Iowa
Elmira Sewer Pipe & Fire Brick Co., Elmira, N. Y.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Excelsior Fire Clay Co. ("Excelsior"), Lisbon, O.
Gladding, McBean & Co. (& Pipe), Crocker Bldg., San Francisco, Cal. Works: Lincoln, Cal.
Jacobus, P. H. ("U. S.," Combined Top & Protector), Millstadt, Ill.
Laclede Fire Brick Mfg. Co., Manchester & Sulphur avs, St. Louis, Mo.
Little Falls Fire Clay Co., Little Falls, Wash.
Macomb Sewer Pipe Co., Macomb, Ill.
Monmouth Mining & Mfg. Co., Monmouth, Ill.
New York Pottery Co., Fuller bldg, New York
Pacific Clay Mfg. Co., Los Angeles, Cal.
Pittsburg Sewer Pipe & Conduit Co., Pittsburg, Kan.
Reeve, Augustus, Camden, N. J.
Robinson Clay Product Co., Akron, O.
Southern Terra Cotta Works, Atlanta, Ga.
Stevens, H. Sons Co., Macon, Ga.
Streator Clay Mfg. Co., Streator, Ill.



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Chimney Tops (Revolving)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Feld, Geo. A. Co., 164 E 129th, New York
Iwan Bros., South Bend, Ind.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
OSBORN MFG. CO. ("Pond's"), 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)
Powers & Williams ("Powers"), Streator, Ill.

Chimney Tops (Slate)

(See Slate Stair Treads & Risers)

Chimneys (Concrete)

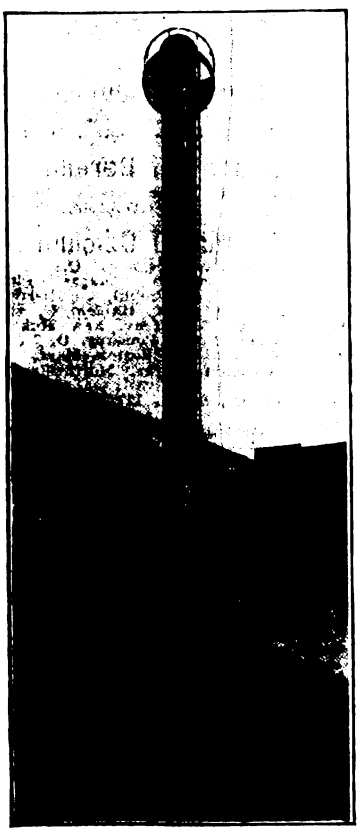
Concrete Construction Co. (Re-Inforced Tapering), Bailey bldg, Philadelphia, Pa.
Heine Chimney Co. (Re-Inforced Concrete), Unity Bldg, Chicago, Ill.

Steel Chimneys and Breechings,

Stand Pipes, Tanks,

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Erected in Any Part of America.



CONNERY & CO., Ltd.,

NINTH AND MASTER STS., PHILA., PA.

Metal Concrete Chimney Co. (Reinforced Concrete), Chemical Bldg., St. Louis, Mo.
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Weber Co. (Reinforced Concrete), 204 Dearborn, Chicago, Ill.

Chimneys for Power Plants

(See Smokestacks, Steel; also Chimneys, Steel)

Chimneys (Lamp)

American Lamp Glass Co., Evansville, Ind.
Gill Bros. Co., Steubenville, O.
La Bastie Glass Co., Ottawa, Ill.
Lippincott Glass Co., Alexandria, Ind.
Macbeth-Evans Glass Co., Pittsburg, Pa.
Nilan Glass Co., Point Marion, Pa.

Chimneys (Mica)

Canton Mica Mfg. Co., Canton, O.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Huse, Jos. & Son, 95 Blackstone, Boston, Mass.
Mica Mfg. Co., 307 W B'way, New York
North Carolina Mica Co., 84 North, Boston, Mass.
Reichman, Geo., 1406 N 10th, Phila., Pa.
Storrs Mica Co., Owego, N. Y.

Chimneys of Perforated Radial Blocks

(See also Chimneys, Concrete)

Custodis, Alphons Chimney Construction Co., 99 Nassau, New York
Heine Chimney Co., Unity bldg, Chicago, Ill.
Heinicke, H. R. (Inc.), 147 4th av, New York
Kellogg, M. W. Co. (Corrugated Radial Brick), 50 Church, New York
Tatnall Engineering Co. ("Alphous Custodis"), Arcade bldg, Phila., Pa.
WUERZ KILN & CHIMNEY CONSTRUCTION Co., 34 W. 33rd, New York. (See adv. on preceding page)

Chimneys (Steel)

(See also Smoke Stacks, Steel)

Aurora Boiler Works (Inc.), (Self-Supporting), Aurora, Ill.
Birmingham Boiler Works, Birmingham, Ala.
CANTON BOILER & ENGINEERING CO. (Self-Supporting), Canton, O. (See adv. index, end of book)
Chicago Bridge & Iron Works (Horace E. Horton, Prop.) (Self-Supporting), W 105th & Throop, Chicago, Ill.
Coatesville Boiler Works (Self-Supporting), Coatesville, Pa.
CONNERY & CO. (Self-Supporting), 9th & Master, Phila., Pa. (See adv. in preceding column)
Frick Grate Bar Co. (Self-Supporting), 421 Chestnut, Phila., Pa.
Heine Chimney Co. (Self-Supporting), Unity bldg, Chicago, Ill.
KEELER, E. CO. (Self-Supporting), Williamsport, Pa. (See adv. index & branch offices end of book)
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av., Chicago, Ill. (See adv. index, end of book)
Lindsay, W. W. & Co., 1502 Market, Phila., Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHELMANN STEEL CONSTRUCTION Co. (Self-Supporting), Quincy, Ill. (See adv. index, end of book)
Novelty Steam Boiler Works ("Triplett & Jennings") (Self-Supporting), 917 S Howard, Baltimore, Md.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Petty, J. K. & Co. (Lebanon Boiler Works) (Self-Supporting), Stephen Girard bldg, Philadelphia, Pa.; Works: Lebanon, Pa.
Philadelphia Iron Works, 18th & Penna. av, Phila., Pa.
Pittsburg Steel Construction Co., Lewis Blk., Pittsburg, Pa. Works: Economy, Pa.
Pollock, Wm. B. Co. (Self-Supporting), Youngstown, O.
REEVES BROS. CO. (Self-Supporting), Alliance, O. (See adv. in next column; branch offices, end of book)
Riter-Conley Mfg. Co. (Self-Supporting), Pittsburg, Pa.
SCHREIBER, L., & SONS CO., 8th & Eggleston av., Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Treadwell, M. H. Co., 90 West, New York
Variety Iron & Steel Works Co., Cleveland, O.
Wetherill, Robt. & Co. (Self Supporting), Chester, Pa.

Chimneys & Shades (Incandescent Gas)

(See Shades & Reflectors, Glass & Porcelain)

Chippers (Extract Wood)

Mitts & Merrill, Saginaw, Mich.

Chisels (Box)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Carver Tool Works, Spring Valley, N. Y.
Drew C. & Co., Kingston, Mass.
Humason & Beckley Mfg. Co. (Cast Steel), New Britain, Conn.



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Oil and Acid Tanks,
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Heavy Dryer Cylinders,
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Blast Furnaces
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Converters,
Ladles,
Boilers,
Heaters,
Girders,
Steel Buildings
Grain Elevators,
Copper Furnaces,
Clinker Coolers, etc.
SELF-SUPPORTING STACKS.
Galvanizing and Tinning Pots
Lime Kilns,
Brick Hardening Cylinders,
Penstocks and Riveted Pipe.
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Cyanide Tanks,
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Alliance, Ohio, U. S. A.

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Johnson, Wm. (Hedenberg Works), Newark, N. J.
Kraeuter & Co., Newark, N. J.
Storts, John, & Co., 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B" Solid Tool Steel Claw), 875 W Carroll av, Chicago, Ill.

Chisels (Brick)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Braunsdorf-Mueller Co., Elizabeth, N. J.
Carver Tool Works, Spring Valley, N. Y.
Collins Co., Collinsville, Conn., & 212 Water, New York
Crescent Novelty Mfg. Co., St. Louis, Mo.
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works, Evansville, Ind.
Hiles, C. A. & Co., 14th & Western av., Chicago, Ill.
Marshalltown Trowel Co., Marshalltown, Iowa
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Storts, Jno. T., 210 Vine, Philadelphia, Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Chisels (Calking)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
BERNZ, OTTO (Plumbers'), S 13th & S Orange av., Newark, N. J. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Mueller, H. Mfg. Co., Decatur, Ill.
Osborne, C. S. & Co., 96 Mechanic, Newark, N. J.

Chisels (Carpenters')

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros. (Socket & Tang), Millbury, Mass.
Buck Chas., Millbury, Mass.
Evansville Tool Works, Evansville, Ind.
Falls Mfg. Co. (Round & Flat), 12 Drumm, San Francisco, Cal.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hazel, Atlas Glass Co., Wheeling, W. Va.
IRVING MFG. & TOOL CO. (Jos. T. McCoy Co., Prop.) ("Bashaw's"), 169 Chambers, New York. (See adv. index, end of book)
Jennings, C. E. & Co., 42 Murray, New York
Kraeuter & Co. (Ripping), Newark, N. J.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
NIAGARA HANDLE & FERRULE CO., 321 No. Holliday, Baltimore, Md. (See adv. index, end of book)
New England Specialty Co., N. Easton, Mass.
Ohio Tool Co., Columbus, Ohio.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb, Fayette R. (Inc.), F'kd., Phila., Pa.
Reliance Edge Tool Co. ("Reliance"), Youngstown, O.
Rockford Bit Co., Kokomo, Ind.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sag Harbor Tool Co., Sag Harbor, N. Y.
Swan, Jas. Co., Seymour, Conn.
White, L. & I. J. Co., Buffalo, N. Y.
Winsted Edge Tool Works ("T. H. Witherby"), Winsted, Conn.
Yale Mfg. Co., Yalesville, Conn.

Chisels (Cold & Cape)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index end of book)
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Carver Tool Works, Spring Valley, N. Y.
Cleveland Steel Tool Co., 1144 W. 3d, Cleveland, O.
Cronk & Carrier Mfg. Co. (Cold Chisels Only), Elmira, N. Y.
Dicke Tool Co., Downers Grove, Ill.
Drew, C. & Co., Kingston, Mass.
Duffy Mfg. Co., 125 Indiana, Chicago, Ill.
Evansville Tool Works, Evansville, Ind.
Falls Mfg. Co., San Francisco, Cal.
Hammond, C. & Son, Ogonts, Pa.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hazel Atlas Glass Co., Wheeling, W Va.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Kilborn & Bishop Co. (Drop Forged, 81 Lloyd, New Haven, Conn.
Klein-Logan Co. (Cold, Hand Clipping), S 13th & Breed, Pittsburg, Pa.
Kraeuter & Co., 577 18th av, Newark, N. J.
Mound Tool & Scraper Co. (Engineers' Chums), 710 Howard, St. Louis, Mo.
Mueller, H. Mfg. Co., Decatur, Ill.
National Cutlery Co., Detroit, Mich.
NIAGARA HANDLE & FERRULE CO., 321 No. Holliday, Baltimore, Md. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Polk, A. J. & Son, Millersburg, Pa.
Schutte, E. G. & Co., 230 Stark, Cincinnnati, Ohio
Smith, H. D., & Co. ("S" Cold Chisels, Drop Forged), Plantsville, Conn.
Snell Mfg. Co. (Cold Chisels only), Fiskdale, Mass.
Storts, Jno. & Son, 210 Vine, Phila., Pa.
STRONG MACHINERY & SUPPLY CO. ("Strong's" Special), 48 Franklin, New York. (See adv. index, end of book)
Syracuse Twist Drill Co. (Cold Chisels Only), Syracuse, N. Y.
Therien Tool Works, 116 1st av, N Minneapolis, Minn.
Tuck Mfg. Co. (Cold Chisels Only), Brockton, Mass.
Vaughn & Bushnell Mfg. Co. ("V. & B." Cast Steel), 875 W Carroll av, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Washington Cutlery Co., Watertown Wis.
WHITMAN & BARNES MFG. CO. (Cold Only), Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox, Crittenden & Co., (Cold Chisels Only), Middletown, Conn.

Chisels (Floor)

BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Mueller, H. Mfg. Co., Decatur, Ill.
Storts, Jno. & Son, 210 Vine, Philadelphia, Pa.

Chisels (Hollow Mortising)

Forrest City Bit & Tool Co., Rockford, Ill.
Pugh, Job T., 3105 Ludlow, Philadelphia, Pa.

Chisels (Ice)

American Fork & Hoe Co., Am. Trust bldg, Cleveland, O.
Black, John B. ("Wm. Beatty & Sons" with Socket), Chester, Pa.
Bradley's G. W. Sons (Inc.), Westport, Conn.
Browne & Dowd Mfg. Co. ("B. & D. Co."), Deuse, J. S., Chester, Conn. Meriden, Conn.
Gilchrist Co., Newark, N. J.
Hiles, C. A. & Co. (Chisels, Bars, etc., for Ice Houses), 14th & Western av, Chicago, Ill.
Iowa Farming Tool Co., Fort Madison, Iowa
Landers, Frary & Clark (Steel Blades), New Britain, Conn.
Storts, John, & Co., 210 Vine, Phila., Pa.
Wagner Mfg. Co., Cedar Falls, Iowa
White, Ira F., & Son Co., Newark, N. J.
Williams, A. C., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

Chisels (Ship)

Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley's, G. W. Sons (Inc.) (With Socket), Westport, Conn.

Chisels (Stone Cutters')

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tools Co., Newark, N. J.
Brunner & Lay, 133 W Polk, Chicago, Ill.
Collins Co., Collinsville, Conn., & 212 Water, New York
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Kraeuter & Co., Newark, N. J.
Mack & Co., Rochester, N. Y.
Mead, I. V., 418 E. 110th, New York.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Schueddig, F. Son, 525 S Jefferson, St. Louis, Mo.
Storts, Jno. & Son, 210 Vine, Phila., Pa.

Chisels (Track)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Collins Co., Collinsville, Conn., & 212 Water, New York
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston
Heller Tool Co., Verona av & Ridge, Newark, N. J.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Kalamazoo Ry. Sup. Co., Kalamazoo, Mich.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
McINNES STEEL CO. (Ltd.), Corry, Pa. (See adv. index, end of book)
National Cutlery Co., Detroit, Mich.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works: Cheswick, Pa.
Plumb, Fayette R., Frankford, Phila, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B." Tool Steel), 877 W Carroll av, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Chlorate of Potash

North American Chemical Co., Bay City, Mich.

Chlorate of Soda

North American Chemical Co., Bay City, Mich.

Chloride of Alumina

Cochrane Chemical Co., Boston, Mass.
Merrimac Chemical Co., Boston, Mass.

Chloride of Barium

Williams, Jno. T. & Son (Crystal, Small), 27 William, New York

Chloride of Calcium

Acme Calcium Works, Pomeroy, O.
Carbondale Chemical Co. ("Solvay" Fluid & Solid), Carbondale, Pa.
Dickinson, Jno. Q. & Co., Malden, W. Va.
Elmer & Amend, 205 3d av, New York
Eureka Calcium Works, Pomeroy, O.
Merrimac Chemical Co., Boston, Mass.
Pittsburg Calcium Works, Northside, Pittsburg, Pa.
Rhodes, Jas. H., & Co., 117 Kinzie, Chicago, Ill.
Roessler & Hasslacher Chemical Co., 100 William, New York
Scheel, Wm. H., 159 Maiden la., New York
Solvay Process Co., Syracuse, N. Y., & Detroit, Mich.

Chloride of Lime

Acme White Lead & Color Works, Detroit, Mich.
Champion Chemical Works, 208 Michigan, Chicago, Ill
Feurst Bros. & Co., 2 Stone, New York
Griswold, E. & Co., 16th & B. I. av, San Francisco, Cal.
Hirsch, L. & Son, 368 Greenwich, New York
Platt, H. B., 52 Cliff, New York
Rath Mfg. Co. ("Imperial"), Hedley & Richmond, Phila., Pa.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
United Zinc & Chemical Co., Kansas City, Mo.
Vanderbilt & Son, ft 7th, Hoboken, N. J.

Chloride of Sulphur

Acker Process Co., Niagara Falls, N. Y.
Scheel, Wm. H., 159 Maiden la, New York
Speaight, Geo. W., 248 N 10th, Brooklyn, N. Y.
Stamford Rubber Supply Co., Stamford, Conn.

*Chlorination Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

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Choppers (Apple)

Boutell Mfg. Co., Rochester, N. Y.

Choppers (Food)

Athol Machine Co. ("American"), Athol, Mass.
Dana Mfg. Co. ("Dana"), Cincinnati, O.
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Griswold Mfg. Co. ("Erie"), Erie, Pa.
Hurwood Mfg. Co. ("Hurwood"), Bridgeport, Conn.
Landers, Frary & Clark ("Universal" & "Climax"), New Britain, Conn.
Peck, Stow & Wilcox Co. ("Ideal"), Southington, Conn.
Penna Salt Mfg. Co., 115 Chestnut, Phila., Pa.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sargent & Co. ("Gem"), New Haven, Conn.
Steinfeld Bros. ("Saxon"), 620 B'way, New York
Troy Nickel Works (Jno. E. Gaitley, Prop.) ("Peerless"), Albany, N. Y.

Choppers (Meat)

Athol Machine Co. ("American," for Hotels, Families, Butchers, etc.), Athol, Mass.
Clauss Shear Co. ("Victor" Hand Chopper)) Fremont, O.
Deer, A. J. Co. (Electric), Pearl & Seneca, Buffalo, N. Y.
Enterprise Mfg. Co., 3d & Dauphin, Phila, Pa.
Hobart Electric Mfg. Co. (Electric), Troy, O.
Holwick, B. O. ("Holwick" Motor Driven), Canton, O.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Murray Iron Works Co. (Draw-Cut Power & Hand & "Zimmerman & Iowa" Noiseless & "Schwahn" Rocker), Burlington, Ia.
Peck, Stow & Wilcox Co. ("Ideal" Family), Southington, Conn.
Rollman Mfg. Co., Mt. Joy, Pa.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sargent & Co. ("Gem"), New Haven, Conn.
Smith's, Jno. E. Sons Co. ("Buffalo Silent"), Buffalo, N. Y.
Steigert, Leopold (Also for Food, Belt Power), Elder & Logan, Cincinnati, O.
Steinfeld Bros. ("Saxon"), 620 B'way, New York
Troy Nickel Works (Jno. E. Gaitley, Prop.) ("Peerless"), Albany, N. Y.

Chromium

Goldschmidt Thermit Co., 90 West, New York

Chronographs

Baird Mfg. Co., 1592 N Halstead, Chicago, Ill.
Du Vivier, Ernest H., 30 Church, New York.
International Instrument Co., 23 Church, Cambridge, Mass.

Chronometers

Bliss, Jno. & Co. (Nautical, etc.), 128 Front, New York
Bond, Wm. & Son (Marine, Sidereal & Electric Break Circuit), 148 State, Boston, Mass.
Riggs & Bro. (Nautical, etc.), 310 Market, Phila., Pa.

Chucks (Boring & Turning Mill)

Horton, E. & Son Co., Windsor Locks, Conn.
Union Mfg. Co. ("Union"), New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.

Chucks (Car Wheel)

Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton, E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co. ("Union"), New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.

Chucks (Centering)

Cushman Chuck Co., New Britain, Conn.
Horton, E. & Son Co., Windsor Locks, Conn.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whiton, D. E. Machine Co., New London, Conn.

Chucks (Drill)

Almond, T. R. Mfg. Co. ("Almond" Inclosed Pinion), Ashburnham, Mass.
Andrew, M. L. & Co., 2852 Spring Grove av, Cincinnati, O.
Brown, R. H. & Co. ("The Reid"), New Haven, Conn.
Byer, Humrichouse Tool Co. (Quick Action), Hagerstown, Md.
Cincinnati Chuck Co. ("Cincinnati Patented" Four Jaw Independent), Cincinnati, O.
Cincinnati Bickford Tool Co., Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M. (For Straight Shank Drills), Tolland, Conn.
Cushman Chuck Co., Hartford, Conn.
Detroit Twist Drill Co. ("Graham"), Detroit, Mich.
Goodell Mfg. Co., Greenfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Gronkvists Drill Chuck Co. ("Gronkvists"), Jersey City, N. J.
Hoefer Mfg. Co., Freeport, Ill.
Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton, E. & Son Co. ("Horton"), Windsor Locks, Conn.
Jacobs Mfg. Co. ("Jacobs"), Hartford, Conn.
McCroskey Reamer Co. ("Quick Change," "Wizard"), Meadville, Pa.
Millers Falls Co. ("Barber"), 28 Warren, New York; Works: Millers Falls, Mass.
Modern Tool Co. ("Magic," also for Reamers & Counterbores, Taps, etc.), Erie, Pa.
Morrow Mfg. Co. (Ball Bearing), Elmira, N. Y.
MORSE TWIST DRILL & MACHINE Co. ("Beach," "Stetson" & Center Drill), New Bedford, Mass. (See adv. index, end of book)
Oneida National Chuck Co. ("National"), Oneida, N. Y.
Penna. Blue Print Co., Park bldg, Pittsburg, Pa.
Pratt Chuck Co. ("Empire" Driving Drill Chucks, etc.), Frankfort, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Radical Angular Drill Co. (For Square Holes), 114 Liberty, New York
Russell Anti-Friction Drill Chuck Co., Elmira, N. Y.
Saunders, D. Sons (also Tap), Yonkers, N. Y.
Skinner Chuck Co., New Britain, Conn.
Standard Tool Co., Central av & P. Ry., Cleveland, Ohio
Trump Bros. Machine Co., Wilmington, Del.
Union Mfg. Co. ("Czar," "Union" Geared), New Britain, Conn.
Victor Tool Co. ("Victor"), Waynesboro, Pa.
Westcott Chuck Co. ("The Westcott," "Oneida" & "Little Giant"), Oneida, N. Y.
WHITMAN & BARNES MFG. CO., ("Economy," "Worka"), Chicago, Ill. (See adv. index & branch offices, end of book)
Whitney Mfg. Co. ("Presto"), Hartford, Conn.
Whiton, D. E. Machine Co., New London, Conn.
Wide Range Drill Chuck & Tool Co. ("Wide Range") Muncie, Ind.
Wiley & Russell Mfg. Co., Greenfield, Mass.

Chucks (Expanding)

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Chucks (Jaw)

Cushman Chuck Co., Hartford, Conn.
Fray, Jno. S. & Co. (Three Jaw), Bridgeport, Conn
Hoggson & Pettis Mfg. Co. ("Sweetland" Two-Jaw Slip Jaw), New Haven, Conn.
Horton, E. & Son Co. (Reversible), Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Putnam Machine Co., Fitchburg, Mass.
Saunders, D. Sons, Yonkers, N. Y.
Union Mfg. Co. ("Union"), New Britain, Conn.
Warner & Swasey Co. (Box & Revolving), 5809 Carnegie, S. E., Cleveland, Ohio.
Whiton, D. E. Machine Co., New London, Conn.

Chucks (Lathe)

Cushman Chuck Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton, E. & Son Co., Windsor Locks, Conn.
Jacobs Mfg. Co. ("Jacobs"), Hartford, Conn.
Leavitt Machine Co., Orange, Mass.
Modern Tool Co. (Draw Sleeve), Erie, Pa.
Oneida National Chuck Co., Oneida, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co., New Britain, Conn.
Westcott Chuck Co. (The Westcott Combination, "I. X. L.," Independent, Universal & Eccentric), Oneida, N. Y.
Whiton, D. E. Machine Co., New London, Conn.

Chucks (Lever)

Potter & Johnston Machine Co. ("Universal Automatic"), Pawtucket, R. I.
Saunders, D. Sons, Yonkers, N. Y.

Chucks (Magnetic)

Walker, Oakley S. & Co., Worcester, Mass.

Chucks (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Bickford Tool Co., Cincinnati, O.
Horton, E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co. ("Jordon"), Oneida, N. Y.
Owen Machine Tool Co., Springfield, O.
Union Mfg. Co. ("Union"), New Britain, Conn.

Chucks (Nipple)

National Nipple Chuck Co. ("National"), Boston, Mass.

*Chucks (Oval Turning)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Chucks (Planer)

Brightman Mfg. Co., Shelby, O.
Cincinnati Bickford Tool Co., Cincinnati, O.
Fox Machine Co., Grand Rapids, Mich.
Hollands Mfg. Co., Erie, Pa.
New Haven Mfg. Co., New Haven, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Reed, Francis Co., Worcester, Mass.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co. ("Union"), New Britain, Conn.

Chucks (Projectile)

Union Mfg. Co. ("Union"), New Britain, Conn.

Chucks (Revolving)

Scott & Sons Co. ("Ess-Ess"), Medford, Mass.

Chucks (Screw Machine)

Errington, F. A. (Auto Opening), 39 Cortlandt, New York
Garvin Machine Co., 137 Varick, New York
Horton, E. & Son Co., Windsor Locks, Conn.
New Haven Mfg. Co., New Haven, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Putnam Machine Co., Fitchburg, Mass.
Union Mfg. Co., New Britain, Conn.
Westcott Chuck Co. ("Westcott Little Giant"), Oneida, N. Y.

Chucks (Scroll)

Union Mfg. Co. ("Union" Geared, etc.), New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.

Chucks (Spinning)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Hay-Budden Mfg. Co. (Forged Tool Steel), 254 N Henry, Brooklyn, N. Y.
Hoggson & Pettis Mfg. Co. ("Sweetland" Geared), New Haven, Conn.

Chucks (Split)

Rivett Lathe Mfg. Co. (Self-Centering), Brighton, Boston, Mass.

Chucks (Spring)

Brown & Sharpe Mfg. Co., Providence, R. I.
Clough, R. M., Tolland, Conn.

Chucks (Tapping)

Errington, F. A. (Auto Reverse), 39 Cortlandt, New York
Horton, E. & Son Co., Windsor Locks, Conn.
Modern Tool Co. ("Magic"), Erie, Pa.
St. Louis Machine Tool Co., St. Louis, Mo.
Victor Tool Co. ("Victor"), Waynesboro, Pa.
WELLS BROS. CO. ("Little Giant" Bolt Cutters), Greenfield, Mass. (See adv. index, end of book)
Westcott Chuck Co., Oneida, N. Y.

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Chucks (Twist Drill)

Andrew, M. L. & Co., 2852 Spring Grove av, Cincinnati, O.
Horton, E. & Son Co., Windsor Locks, Conn.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Oneida National Chuck Co., Oneida, N. Y.
Union Mfg. Co. ("Union"), New Britain, Conn.

Chucks (Wire or Wheel)

Hardinge Bros., 1036 Lincoln av., Chicago, Ill.
Waltham Watch Tool Co., Springfield, Mass.
Welch, T. F. & Co., 55 Sudbury, Boston, Mass.

Chucks & Chuck Blanks

Waterbury Brass Co., Waterbury, Conn.

*Church Crosses

JONES, THOS. W. (Electric Also), 22 Burling sl, New York. (See adv. index, end of book)

Church Decorations

(See Decorations, Church)

Church Organ Builders

(See Organs, Church)

Church Seating

(See Furniture, Church)

Church Spires Repaired

Wightman, Andrew, Peekskill, N. Y.

Churn Dashers

Piqua Handle & Mfg. Co., Piqua, O.

Churns

(See also Dairy Apparatus & Supplies)

American Wooden Ware Mfg. Co. ("Magic," "Easy," "Compound Lever," "Hero" and "Charm" Barrel), "Union," "American," "Dasher"), Toledo, O.
Aquatic Cream Separator Co. ("Eureka," Barrel Revolving), Rockford, Ill.
Brown, M. & Co. ("Bent Wood," Ash Dash), Wapakoneta, O.
Buckeye Churn Co. ("Buckeye," Ash Dash), Sidney, O.
Burrell, D. H. & Co. (Power, etc., for Creameries, etc.), Little Falls, N. Y.
Constance Co. ("Blust"), Manfield, O.
Creamery Package Mfg. Co. ("Dairy Box," "Rectangular," "C. P.," Box Factory), Chicago, Ill.
Dobson Mfg. Co. ("Favorite," Barrels, Revolving, 6 to 90 gallons), Rockford, Ill.
Enterprise Enamel Co., (Enameled Steel), Bellaire, O.
Fargo Creamery Supply House, Lake Miss, Wis.
Fenner, R. W. ("Fenner's," Revolving Six-Sided), South Stockton, N. Y.
Grand Detour Wagon Co. (Capacity 15 to 20 Gallons), Dixon, Ill.
Gwinner, E. R. & Co. ("Champion"), Bell blk, Cincinnati, O.
Jones, Frank L. ("Jones"), Utica, N. Y.
McDermaid, J. ("Belle," "Star," White Oak, Barrel Revolving, Power, etc., 10 to 100 Gallons), Rockford, Ill.
Page & Hill (Dairy & Creamery), Brasher Falls, N. Y.
Palmer, H. H. Co. ("Acme," "Boss," "Fairy," Ideal Barrel Revolving, etc.), Rockford, Ill.
*Reid, A. H. Creamery & Dairy Supply Co. (Barrel Revolving & Box Factory), 69th & Haverford, Phila., Pa.
Standard Churn Co. ("Standard," Anti-Bentwood Barrel, Revolving; Box Factory, Ash Dash, up to 12 Gallons), Wapakoneta, O.
Stoddard Mfg. Co. ("Stoddard," Box, "Victor," Dairy, Power Churns for Creameries, etc.), Rutland, Vt.
Sturges & Burn Mfg. Co. (Steel), 251 S Green, Chicago, Ill.
Vermont Farm Machine Co. ("Davis," Swing, Cypress, Oak & Pine), Bellows Falls, Vt.

Churns (Box Factory)

Burrell, D. H. & Co. ("B. & W."), Little Falls, N. Y.
Creamery Package Mfg. Co. ("C.-P."), Chicago, Ill.
Fargo Creamery Supply House ("Fargo"), Lake Mills, Wis.
Reid, A. H. Creamery & Dairy Supply Co. ("Reid's"), Phila., Pa.
Stoddard Mfg. Co. ("Stoddard"), Rutland, Vt.
Vermont Farm Machine Co. ("V. F. M."), Bellows Falls, Vt.

Chutes (Coal)

(See Coal Chutes)

Chutes (Sand)

Helmick Foundry & Machine Co., Fairmont, W. Va.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Chutes (Steel Plate)

Grand Rapids Foundry Co. (For Cases, Boxes, etc.), Grand Rapids, Mich.

Cigar Box & Cigar Makers' Supplies

Grammes, L. F. & Sons, Allentown, Pa.
National Selling Co., Allentown, Pa.

Cigar Lighters

(See Lighters, Cigar)

*Civil Engineers' Field & Office Supplies

SOLTMANN.E.G.
(Also Blue or Black Prints made from Large Tracings of County and Other Maps), 125 E 42d, New York City. (See adv. index, end of book)

Clamp Fixtures

Sheldon, E. H., & Co. ("Sheldon's" Malleable Iron), 84 N. May, Chicago, Ill.

Clamp & Hand Vise (Combined)

Billings & Spencer Co., Hartford, Conn.

Clamps (Adjustable)

Adjustable Clamp Co. ("Jorgeson" Hand Screw), Unity bldg, Chicago, Ill.
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Billings & Spencer Co. ("Gardner" & "Miller"), Hartford, Conn.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Dana Bros. & Co. (Wood Workers), New Haven, Conn.
Grand Rapids Wood Carving Co., Grand Rapids, Mich.
Hammer & Co. ("Hammer"), Branford, Conn.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Mark Mfg. Co., Evanston, Ill.
Milwaukee Foundry Supply Co., Milwaukee, Wis.
Monarch Clamp Co. ("Monarch" All Steel Two Piece), Jamestown, N. Y.
Smith & Egge Mfg. Co. ("Giant"), Bridgeport, Conn.
Stearns, E. C. & Co., Syracuse, N. Y.
TAYLOR, JAS. L. MFG. CO. (Self-Locking Screw), Bloomfield, N. J. (See adv. index, end of book)

*Clamps (Anchor)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end book)

Clamps (Bar)

Sheldon, E. H., & Co. ("Sheldon's" Tempered Spring Steel), 84 N. May, Chicago, Ill.

Clamps (Basin)

Blessing, C. A., Philadelphia, Pa.
Boston Brass Co., 36 Oliver, Boston, Mass.
Central Brass Mfg. Co., Cleveland, O.
Climax Specialty Co. ("Crescent"), Seneca Falls, N. Y.
Clow, J. B. & Son, 342 Franklin, Chicago, Ill.
Colwell Lead Co. (Plumbers' "Joy"), 109 Lafayette, New York
Connolly, P. ("Giant"), 1154 Atlantic av, Columbus Brass Co., Columbus, O.
Fee & Mason (The "Crescent"), 81 Beekman, New York
Glauber Brass Mfg. Co. (Magic), Cleveland, O.
Grabler Mfg. Co. (Adjustable), Cleveland, O.
Haines, Jones & Cadbury Co. ("Crescent"), 1136 Ridge av, Phila., Pa.
Hampden Brass Co., Springfield, Mass.
Haydenville Co., Haydenville, Mass.
Hoffman-Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
McCambridge & Co., 315 N 20th, Phila., Pa.
McNab & Harlin Mfg. Co., 56 John, New York
Mott, J. L. Iron Works, 118 5th av, New York
Mueller, H. Mfg. Co. (Ball Bearing), Decatur, Ill.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Park & McKay Co., 55 Bagley, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan & Washburn, 204 Grand av, Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
Stebbins, B. Mfg. Co., Springfield Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Taylor, Geo., 99 Cliff, New York
Trenton Brass & Machine Co., Trenton, N. J.
Union Iron Works, Trenton, N. J.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
Waterbury Mfg. Co., Waterbury, Conn.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
Wolverine Brass Works ("Never-Slip," "Star"), Grand Rapids, Mich.

Clamps (Beam)

(See also Clamps, Conduit Pipe Hanging.)

Austin & Eddy, 117 Broad, Boston, Mass.
BROWN, A. & F. CO. (for Power), 285 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Cresson, Geo. V. Co. (For Power), Allegheny av, W of 17th, Phila., Pa.
DOBBIE FOUNDRY & MACHINE CO. (For Lifting Steel Beams), Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Falls Rivet & Machine Co. (for Power), Cuyahoga Falls, O., & 206 Fulton, New York
Fee & Mason, 81 Beekman, New York
General Fire Extinguisher Co., Providence, R. I.
Grabler Mfg. Co. (I Beam Adjustable, etc.), Cleveland, O.
Illinois Malleable Iron Co., 515 Diversey boul, Jarecki Mfg. Co., Erie, Pa. Chicago, Ill.
Penna. Engineering Co., 1119 N. Howard, Phila., Pa.
Reed Mfg. Co. ("The Clark"), Erie, Pa.
SIMMONS, JNO. CO., 110 Centre, New York. (See adv. index, end of book)
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
Walworth Mfg. Co., 132 Federal, Boston, Mass.

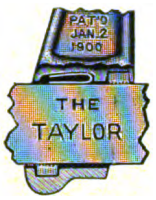
Clamps (Belt)

Ainsworth Covering Co. ("Ainsworth"), Akron Belting Co., Akron, O.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Billings & Spencer Co. (The "Gardner & Miller"), Hartford, Conn.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Crescent Mfg. Co., 28 Columbus, Cleveland, O.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Page Belting Co. (Wood), Concord, N. H.

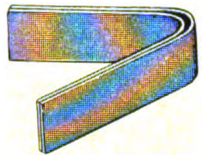
Clamps (Boat)

New London Vise Works (Wood End), New London, Conn.
TAYLOR, JAS. L. MFG. CO. (Quick Adjusting Self-Locking Steel Bar), Bloomfield, N. J. (See adv. index, end of book)

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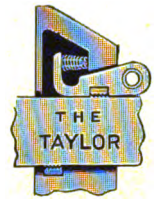
To shift jaw, press it slightly forward, which releases the grip.



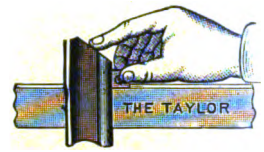
Spring



Gripping Block
Oil tempered.
File tested.



Gripping Action No. 2



To shift the jaw, pull wedge and press the jaw slightly forward which releases the grip.

HIGH GRADE SCREW CLAMPS

QUICK-ADJUSTING **SELF-LOCKING**

CASTINGS – Best refined malleable iron.
STEEL BARS – Rolled specially to our order; test more than double the strength of Bessemer.

EVERY CLAMP TESTED AND WARRANTED UNBREAKABLE IN USE

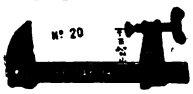




Steel bar 1" x 5/16"
Clamping strain 1800 lbs.



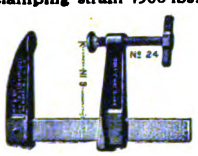
Steel bar 1½" x ¼"
Clamping strain 2400 lbs.



Steel bar 1½" x ¼"
Clamping strain 2400 lbs.



Steel bar 1¾" x 5/16"
Clamping strain 4500 lbs.



Steel bar 1¾" x 5/16"
Clamping strain 2100 lbs.

TRADE
THE TAYLOR
MARK

THIS TRADE MARK ON

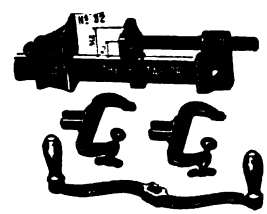
CLAMPS, SCAFFOLD BRACKETS, ANGLE PLATES, SHINGLE HOLDERS, ROOFING BRACKETS OR LADDER ELEVATORS

STANDS FOR HIGHEST QUALITY.

JAMES L. TAYLOR MFG. CO.

SOLE MANUFACTURERS

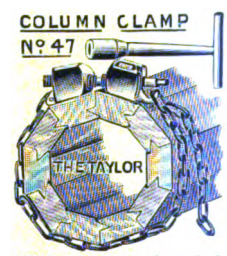
BLOOMFIELD, N. J., U. S. A.



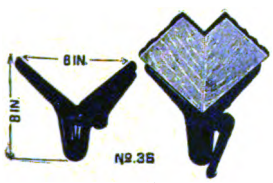
Steel bar 2" x 5/8"
Clamping strain 40000 lbs.



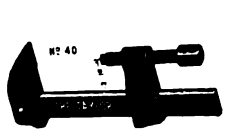
Clamp heads for use on wooden bars 2¼" x ⅞".



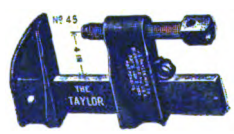
¾" Steel screw, threaded right and left; proof tested chain.



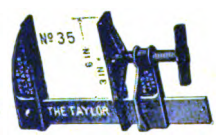
Mitre Clamp



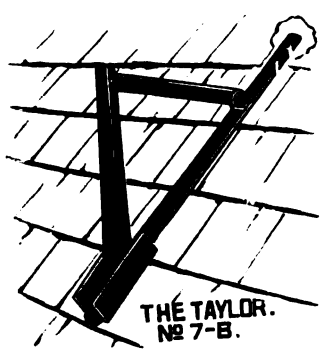
Steel bar 2" x 5/8"
Clamping strain 8000 lbs.



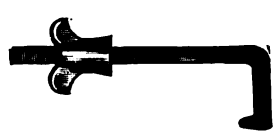
Steel bar 3" x ⅞"
Clamping strain 26400 lbs.



Steel bar 1¾" x 5/16"
Clamping strain 4500 lbs.



ROOFING BRACKET

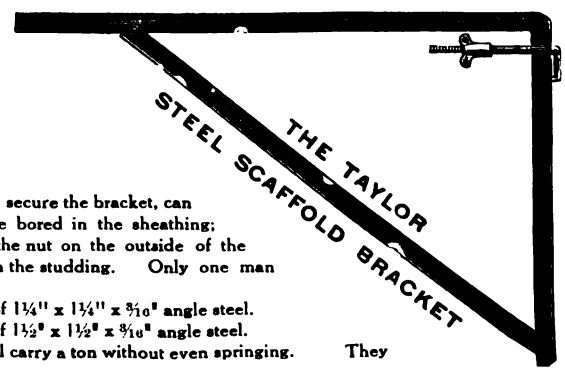


HOOK BOLT

This hook bolt which is used to secure the bracket, can be inserted through a one-inch hole bored in the sheathing; it hooks around the studding, and the nut on the outside of the house fastens it; no hole is bored in the studding. Only one man is required to put it up.

4 ft. Brackets made of 1¼" x 1¼" x 3/16" angle steel.
5 ft. Brackets made of 1½" x 1½" x 3/16" angle steel.

A single pair of the 4 ft. size will carry a ton without even springing. They last a lifetime.



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1891 — 1909

FOR EIGHTEEN YEARS

Hendricks'
Commercial Register

has been acknowledged as the best of all similar publications. It is commended by the leading Trade Journals and is used by the largest firms and corporations in all lines of business. ::

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Clamps (Boilermakers')

Henderer's, A. L. Sons, Wilmington, Del.
Le Count, Wm. G. (Light & Heavy Steel), South Norwalk, Conn.
Lovejoy Tool Works, 90 Ohio, Chicago, Ill.
Miles-Bement-Pond Co., 111 B'way, New York
TAYLOR, JAS. L. MFG. CO. (Quick Adjusting, Self-Locking, Steel Bar), Bloomfield, N. J. (See adv. index, end of book)
Wickes Bros., Saginaw, Mich.

Clamps (Bolt, Pearson King)

Pearson Jack Co., Boston, Mass.

Clamps (Brake Beam)

Gould Coupler Co., 345 5th av, New York; Rookery bldg, Chicago, Ill.; Works: Depew, N. Y.
Pearson Jack Co. ("Goodwin"), Boston, Mass.

Clamps (Brick)

Cleveland Brick Clamp Co., 1941 E. 55th, N. E., Cleveland, O.
Duplex Mfg. & Foundry Co. ("Duplex") Cleveland, O
Mostberger-Langner Iron Co. ("Cleveland"), 876 S Division, Buffalo, N. Y.

Clamps (Bridge)

Le Count, Wm. G. (Steel), South Norwalk, Conn.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps ("C")

Armstrong Bros. Tool Co. (Drop Forgd Steel), 113 N Francisco, Chicago, Ill.
Billings & Spencer Co. ("Billings" Drop Forged Steel), Hartford, Conn.

Clamps (Cabinet Makers' and Carpenters')

Aldrich, Wm. K. Co., 587 Dutton, Lowell, Mass.
Batavia Clamp Co. (Steel Bar), Batavia, N. Y.
Bliss, R. Mfg. Co., Pawtucket, R. I.
Christiansen, C., 792 Grand av., Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Dann Bros. & Co., New Haven, Conn.
Grabler Mfg. Co. (Adjustable), Cleveland, O.
Grand Rapids Hand Screw Co. ("Hanson," "Benedict," also Carvers), Grand Rapids, Mich.
HAMMACHER, SCHLEMMER & CO., 133 4th av., New York. (See adv. index, end of book)
Hardware & Woodenware Co., 826 B'way, New York
Holliday Mfg. & Engineering Co., 160 Bunker, Chicago, Ill.
Hosef, E. E. Mfg. Co. ("Buffalo" Universal Handy Bench Clamp), Buffalo, N. Y.
Mark Mfg. Co., Evanston, Ill.
Ohio Tool Co., Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Sandusky Tool Co., Sandusky, O.
Stearns, E. C. & Co., Syracuse, N. Y.
Tatum, Samuel C. Co. (Automatic & "Never-break"), Cincinnati, O.
TAYLOR, JAS. L. MFG. CO. (Adjustable & Self-Locking), Bloomfield, N. J. (See adv. index, end of book)
Turner, Jno. D., Lowell, Mass.
Woodruff, W. W. & Sons Co., Mount Carmel, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

Clamps (Cable Supporting)

DIAMOND EXPANSION BOLT CO. ("Long Saut"), 90 West, New York. (See adv. index & branch offices, end of book)
Fountain, Jno., Jr., 29 Murray, New York
Matthews, W. N. & Bro. ("Kearney"), 206 N 2d, St. Louis, Mo.
Myers, F. E., & Bro., Ashland, O.

Clamps (Column)

Loetscher, A. A. ("Noxall"), Dubuque, Ia.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Concrete Construction)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Dietrichs Clamp Co. ("Dietrichs" Wall Form Clamp), Little Ferry, N. J.
Sullivan, J. H., Grand Rapids, Mich.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg., Detroit, Mich. (See adv. index & branch offices, end of book)

Clamps (Conduit Pipe Hanging)

Ajax Line Material Co. ("Staples"), 12 S Jefferson, Chicago, Ill.
Atlas Hanger Co., New York.
Bissell, F. Co. ("Security"), Toledo, O.
Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.
Grabler Mfg. Co., Cleveland, O.
Irish, W. F. Elec. Co. ("Shamrock"), 60 Cortlandt, New York
Mullin, Colman J. Co., 430 Kent av, Brooklyn,
Pass & Seymour, Solvay, N. Y. N. Y.
Steel City Electric Co. (Beam Straps), Pittsburg, Pa.
Thomas & Betts Co. (Box Hanger), 299 B'way, New York

Clamps (Corner)

Stearns, E. C. & Co., Syracuse, N. Y.

Clamps (Curtain Frame)

Hardware & Woodenware Mfg. Co., 826 B'way, New York

Clamps (Desk)

American Brass & Copper Co., 138 Lafayette, New York
Jones & Gross Elec. Co., 62 Vesey, New York

*Clamps (Dock Builders')

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Door)

American Woodworking Machinery Co., Rochester, N. Y.
Fay, J. A., & Egan Co., cor. Front & John, Cincinnati, O.
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill.; Factory: Rockford, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Smith, H. B. Machine Co., Smithville, N. J.
Stearns, E. C. & Co. ("Stearns," Adjustable), Syracuse, N. Y.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Eccentric Wire)

Smith, Otis A. (For Tightening Wire Fence, Telephone Wire, etc.), Rockfall, Conn.

Clamps (Electric)

Dicke, H. B., Tool Co., Downers Grove, Ill.
Smith, Otis A. (For Wire, etc.), Rockfall, Conn.

Clamps (Fitters')

Le Count, Wm. G. (Steel), South Norwalk, Conn.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Flanging)

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
McCrea, Jas., & Co. ("Model" to Stop Leaks Between Flanges), 69 W. Washington, Chicago, Ill.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
Wickes Bros., Saginaw, Mich.

Clamps (Flask)

Barnett, Oscar, Foundry Co., Newark, N. J.
Brass Founders' Supply Co., Newark, N. J.
Grand Rapids Hand Screw Co. (Wood Screw), Grand Rapids, Mich.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Milwaukee Foundry Supply Co. (Adjustable), 258 Lake, Milwaukee, Wis.
Monarch Clamp Co. ("Monarch" All Steel Adjustable Two Piece), Jamestown, N. Y.
Sandusky Tool Co. (Brass Moulders), Sandusky, Ohio
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Flooring)

American Floor Clamp & Mfg. Co. ("Jeffords"), Kansas City, Mo.
Buckeye Mfg. Co., Anderson, Ind.
Penn Hardware Co., Reading, Pa.
Stearns, E. C. & Co., Syracuse, N. Y.

Clamps (Furniture)

Grand Rapids Hand Screw Co. ("Benedict," Desk Pedestal, Double Case, Bed, Mitre, Drawer, Chair Back, Gluing, Truck, etc.) Grand Rapids, Mich.

Clamps (Girder)

Wrigley, Thos., Co., 300 Dearborn, Chicago, Ill.

Clamps (Ground Connection)

Blackburn Specialty Co. ("Blackburn"), Cleveland, O.
Cameron Appliance Co. ("McCoy"), Everett, Mass.
Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.
Fairmont Electric Mfg. Co. ("Bulldog," "Vogel"), 714 N 24th, Phila., Pa.
Gillette-Vibber Co. ("G-V"), New London, Conn.
Heinemann, G. M. & Co. ("Advance"), 500 Girard av, Phila., Pa.
High Tension Electrical Specialty Co., Newton.
Hinsdill-Pickering El. Co., Troy, N. Y. Mass.
Milwaukee Electrical Specialties Co. ("M. & B."), Box 393, Milwaukee, Wis.
Novelty Electric Co. ("Griptite," "Neco," "Flex Clamp"), 50 N 4th, Phila., Pa.
Paiste, H. T. Co. ("Perma-Effect"), Arch, 32d, Phila., Pa.
Pettingell, Andrews Co. ("O-K"), Boston, Mass.
Yonkers Specialty Co. ("New York"), Yonkers, N. Y.

Clamps (Guard Rail)

American Guard Rail Fastener Co. ("Anchor" & Malleable Iron), Real Estate Trust bldg., Phila., Pa.
Bossert, W. F., Mfg. Co., Utica, N. Y.
Cleveland Frog & Crossing Co., Cleveland, O.
Quincy, Manchester, Sargent Co. ("National," "Burpee," "A. & C."), Plainfield, N. J.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Phila., Pa.

Clamps (Guy)

AMERICAN HOIST & DERRICK CO. ("Crosby"), St. Paul, Minn. (See adv. index & branch offices, end of book)
American Iron & Steel Mfg. Co., Lebanon, Pa.
Bronson-Walton Co. ("Bull Dog" Stop), 119 Shore Line, Cleveland, O.
Cook, Frank B., 240 W Lake, Chicago, Ill.
Hallett Iron Works, 96 Polk, Chicago, Ill.
Hammond Mfg. Co. ("Jupiter"), Boston, Mass.
Hoopes & Townsend Co., 1339 Buttonwood, Phila., Pa.
Hubbard & Co. (Malleable & Wrought), Pittsburg, Pa.
Lanz, M. & Sons (Pressed Steel & Malleable Iron), Pittsburg, Pa.
MACOMBER & WHYTE ROPE CO., 266 S Clinton, Chicago, Ill. (See adv. index, end of book)
Michigan Bolt & Nut Works (Patent Pressed Steel), Detroit, Mich.
Morris, Elmer P., Co., 90 West, New York.
National Telephone Supply Co., Cleveland, O.
NEWHALL CHAIN, FORGE & IRON CO., ("Trident"), 90 West, New York
Norton Tool Co. (Solid Forged Steel & Three-Bolt, etc.), West Park, O.
Oliver Iron & Steel Co., Pittsburg, Pa.
Schafer Construction Material Co., 136 Liberty, New York
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
Western Electric Co., 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York

Clamps (Hay Rack)

Hunt, Helm, Ferris & Co., Harvard, Ill.
Law Mfg Co., St. Paul, Minn.
Louden Machinery Co., Fairfield, Ia.
Myers, F. E., & Bro., Ashland, Ohio.
Porter, J. E. Co., Ottawa, Ill.
Strickler Hay Tool Co., Janesville, Wis.

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Clamps (Hose)

Andrews, Thos., Mfg. Co. ("Rapid," "Bull Dog"), Rockaway, N. J.
Belknap Mfg. Co., Bridgeport, Conn.
Clancy, J. R. ("Redfield" Wrought Steel), 247 Salina, Syracuse, N. Y.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
Elkhart Brass Mfg. Co. ("Sure Grip"), Elkhart, Ind.
Emergency Clamp Co. ("Wilkins Emergency"), Meadv'e, Pa.
Grabler Mfg. Co., Clevel'd, O.
Jarecki Mfg. Co. (Adjustable), Erie, Pa.
Maltby, Geo. B., American Trust bldg., Cleveland, O.
Nelson & Morrison Mfg. Co. (Snap), Peoria, Ill.
Schrader, Geo. H. F., 32 Rose, New York
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Walker Hose Clamp Co., Battle Creek, Mich.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wolverine Brass Works (Wrought Steel), Grand Rapids, Mich.

Clamps (Hydrant & Water Pipe)

Crane Co. (Est. 1855) 519 S Canal Chicago Ill. (See adv. index & branch offices, end of book)

Clamps (Insulator)

Clark Electric & Mfg. Co. ("Clark"), 135 B'way, New York
Fletcher Mfg. Co., Dayton, O.
Nagel, W. G. Electric Co., Toledo, O.
Paiste, H. T. Co., Arch & 32d, Phila., Pa.
Steel City Electric Co. ("Universal"), Pittsburg, Pa.

*Clamps (Key Seat)

STARRETT, L. S., CO., Athol, Mass. (See adv. index & branch offices, end of book)

Clamps (Linemen's Splicing)

(A Splicing Tool)
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Dicke, H. C. Tool Co., Downers Grove, Ill.
Irvington Mfg. Co. ("Little Giant"), Irvington, N. J.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Lowentraut, P. Mfg. Co., 36 Breaner, Newark, N. J.
Smith, Otis A., Rockfall, Conn.

Clamps (Machinists')

ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Athol Machine Co. (Standard Steel), Athol, Mass.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Eberhard Mfg. Co., Cleveland, O.
HAMMACHER, SCHLEMMER & CO., 133 4th av., New York. (See adv. index, end of book)
Ideal Machine Works ("Ideal"), 255 39th, Brooklyn, N. Y.
Le Count, Wm. G. (Heavy), S. Norwalk, Conn.
Mark Mfg. Co., Evanston, Ill.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)
Woodruff, W. W. & Sons Co., Mount Carmel, Conn.

*Clamps (Measuring Bar)

STARRETT, L. S., CO., Athol, Mass. (See adv. index & branch offices, end of book)

Clamps (Messenger)

Cook, Frank B., 242 W. Lake, Chicago, Ill.
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.

*Clamps (Mitre)

TAYLOR, JAS. L., MFG. CO., Bloomfield, N. J. (See adv. index, end of book)
HAMMACHER, SCHLEMMER & CO., 133 4th av., New York. (See adv. index, end of book)

Clamps (Parallel)

Besly, Chas. H. & Co., 15 S. Clinton, Chicago Ill.
STARRETT, L. S., CO. (Tool Makers), Athol, Mass. (See adv. index & branch offices, end of book)

Clamps (Piano & Cabinet Makers')

(See Clamps, Cabinet Makers' & Carpenters')

Clamps (Pipe)

Dayton Pipe Coupling Co. (For Screw, Bell & Spigot Pipe, etc.), Dayton, O.
Dresser, S. R. Mfg. Co. ("Dresser," for Repairing Leaks), Bradford, Pa.
Frick, Horace E. Co. (Frick's" for Stopping Leaky Joints), 286 Greenwich, New York
Grabler Mfg. Co. (Also Extension), Cleveland, Ohio
Lord, L. L. Co. ("Lord" Lead Stopper & Repair, Meadville, Pa.
McCrea, Jas., & Co. ("Emergency," "Climax" Leak Closing), 69 W. Washington, Chicago, Ill.
National Tube Co., Pittsburg, Pa.
Nusbaum, F. A. ("Perfection," Leak Closing), 950 W Washington, Dayton, O.
Parmelee Wrench Co., 1056 W Monroe, Chicago, Ill.
Simplex Engineering Co. ("Simplex"), 316 Preston, Phila., Pa.
Smith, W. Clifford ("Smith's," Leak Closing), 140 N 6th, Philadelphia, Pa.
Western Railway Equipment Co., Missouri Trust bldg, St. Louis, Mo.

Clamps (Plow)

Hilling Bros., Fort Edward, N. Y.
Michigan Bolt & Nut Works, Detroit, Mich.
Stewart & Co., 513 W 50th, New York
Upson Nut Co., Garfield bldg, Cleveland, O.

Clamps (Pole)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Hubbard & Co., Pittsburg, Pa.
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Oliver Iron & Steel Co., Pittsburg, Pa.

Clamps (Quilt Frame)

Arcade Mfg. Co., Freeport, Ill.
Penn Hardware Co., Reading, Pa.
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.

*Clamps (Rope, Automatic)

HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv, index, end of book)

*Clamps (Rule)

STARRETT, L. S., CO., Athol, Mass. (See adv. index & branch offices, end of book)

Clamps (Saw)

Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind
Baldwin, Tuthill & Bolton (Filing), Grand Rapids, Mich.
COVEL MFG. CO. (Saw Filing), Benton Harbor, Mich. (See adv. index, end of book)
Crescent Machine Co., Leetonia, O.
Cunningham, E. E. (Est. of) (Filing), Worcester, Mass.
Disston, Henry & Sons (Inc.), Phila., Pa.
Gustafson & Scott Mfg. Co. ("Climax," for Filing Band Saws), 214 S Clinton, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Stearns, E. C. & Co., Syracuse, N. Y.
TAYLOR, JAS. L. MFG. CO. (& Jointer Combined), Bloomfield, N. J. (See adv. index, end of book)
Tower & Lyon Co. ("Champion"), 95 Chambers, New York

Clamps (Saw Brazing)

Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Atlantic Works (Inc.), 2821 Oakford, Philadelphia, Pa.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Wickes Bros., Saginaw, Mich.

Clamps (Screw)

Cincinnati Tool Co., Norwood, Cincinnati, O.
Dayton Malleable Iron Co., Dayton, O.
Eberhard Mfg. Co., Cleveland, O.
Hammer & Co. ("Hammer"), Branford, Conn.
Johnson, Israel H., Jr., Co., 337 N 15th, Philadelphia, Pa.
Le Count, Wm. G. (Vise), South Norwalk, Conn.
Malleable Iron Fittings Co., Branford, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Phoenix Hardware Mfg. Co. (Also Adjustable Screw), Homer, N. Y.
Pratt & Letchworth Co., Buffalo, N. Y.
Stearns, E. C., & Co. (Adjustable), Syracuse, N. Y.
TAYLOR, JAS L. MFG. CO. (Quick Adjusting, Self-Locking, Steel Bar, etc.), Bloomfield, N. J. (See adv. index, end of book)
Welch, T. F. & Co., 55 Sudbury, Boston, Mass.
Wilcox, Crittenden & Co. (Ship & Ship Carpenter), Middletown, Conn.
Woodruff, Walter W. & Sons Co., Mount Carmel, Conn.

Clamps (Ship)

(See Clamps, Boat)

Clamps (Splicing)

(See Clamps, Linemen's Splicing)

Clamps (Steam Joint)

McCrea, Jas. & Co. ("Climax" Brass), 67 W Washington, Chicago, Ill.
Nusbaum, F. A. ("Perfection"), Dayton, O.
Roberts, Geo. I. & Bros. (Inc.), 473 4th av, New York
Smith Mfg. Co. (W. Clifford Smith, Pres.), 1031 Cambria, Phila., Pa.

Clamps (Steel)

Athol Machine Co. (Parallel, Machinists', Swivel, etc.), Athol, Mass.
Erie Stamping & Mfg. Co. ("Thompson," Pressed Steel), Erie, Pa.
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
Le Count, Wm. G., South Norwalk, Conn.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S., & CO., (Tool Makers), Athol, Mass. (See adv. index, end of book)
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Steel Pipe)

American Steel Foundries (for Cast Iron Pipe Makers). Main Office: Commercial Nat'l Bank, Chicago, Ill.

Clamps (Testing Electric Wire)

(For Testing Current in Telephone & Current Wires)
Williams Testing Clamp Co., Cleveland, O.

*Clamps (Tool Makers')

TAYLOR, JAS. L., MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Trolley Pole)

Bayonet Trolley Harp Co. ("Bayonet"), Springfield, O.
Bissell, F. Co. ("Security"), Toledo, O.

*Clamps (Veneering)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

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*Clamps (Wagon Spring)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Clamps (Water Closet)

(See Clamps, Basin)

Clamps (Water Pipe)

(See Clamps, Hydrant & Water Pipe)

Clamps (Wire Fence)

H. H. Fence Clamp Co. ("H. & H."), Marion, Ind.

Clamps (Wire Rope)

AMERICAN HOIST & DERRICK CO. ("Crosby"), St. Paul, Minn. (See adv. index & branch offices, end of book)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

BRODERICK & BASCOM ROPE CO., 809 N. Main, St. Louis, Mo. (See adv. index, end of book)

Bronson-Walton Co. ("Bulldog") Collinwood, Cleveland, O.

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)

Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York

Lane, Mathew & Son, Carson & 29th, Pittsburg, Pa.

Leschen, A. & Sons Rope Co., St. Louis, Mo.

Macomber-Whyte-Moon Co., 122 Centre, New York

MACOMBER & WHYTE ROPE CO., 266 S Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch offices, end of book)

Roebling's, Jno. A. Sons Co. of New York, Trenton, N. J.

Seward & Co., Bloomfield, Ind.

TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)

Union Elevator & Machine Co. (Also Manila Rope Clamps), 144 Ontario, Chicago, Ill.

Wilcox, Crittenden & Co., Middletown, Conn.

WRIGHT WIRE CO. ("W. & C.," etc.), Worcester, Mass. (See adv. index & branch offices, end of book)

Clamps (Woodworkers')

(See Clamps, Cabinet Makers & Carpenters)

Clasps (Glass)

Van Doorn Co. (Nickel Plated), Quincy, Ill.

Clasps (Pail)

ACME STEEL GOODS CO. ("Acme" Flexible Pail & Crate), 2834-2840 Archer av., Chicago, Ill. (See adv. index, end of book)

CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)

Twisted Wire Box Strap Co. ("Mitchell's Peerless"), 451 Greenwich, New York

Classifiers (Hydraulic)

(See Classifiers, Hydraulic)

Classifiers (Slime)

Denver Engineering Works ("Richards") Pulsator), Denver, Colo.

National Ore Concentration Co. ("Woodbury"), First Nat'l Bank Bldg., Chicago, Ill.

Power & Mining Machinery Co. (For Concentrating Mills), Cudahy, Wis.

Claw Bars

(See Bars, Claw)

Claws (Tack)

Arcade Mfg. Co., Freeport, Ill.

Bridgeport Hardware Mfg. Co., Bridgeport, Conn.

Deuse, J. S., Chester, Conn.

Humason & Beckley Mfg. Co., New Britain, Conn.

Jennings, C. E. & Co., 42 Murray, New York

Keystone Drop Forge Works (Drop Forged), Chester, Pa.

Kraeuter & Co., 577 18th av, Newark, N. J.

Mayhew, H. H. Co., Shelburn Falls, Mass.

Osborne & Co., Newark, N. J.

Peck, Stow & Wilcox Co., 27 Murray, New York

Sargent & Co., 151 Leonard, New York

Storts, Jno, & Son, 210 Vine, Phila., Pa.

Utica Drop Forge & Tool Co., Utica, N. Y.

Vaughn & Bushnell Mfg. Co. ("V. & B." Wrought Steel), 875 W Carroll av, Chicago, Ill.

WILLIAMS, J. H. & CO. (Drop Forged), Brooklyn, N. Y. (See adv. index, end of book)

Wrightsville Hardware Co., Wrightsville, Pa.

Clay Crushers

(See Crushers, Clay)

Clay Miners & Shippers

MAURER, HENRY & SON (For All Purposes), 420 E 23d, New York; Penna bldg, Phila., Pa. Works: Maurer, N. J. (See adv. inside Front Cover)

MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

National Pyrogranit Co., 17 Battery pl, New York

Perrine, H. C. & Son (All Kinds), 8 Amboy, N. J.

RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index. & branch offices, end of book)

Valentine, M. D. & Bro. Co. (Foundry, etc.), Woodbridge, N. J.

Clay Retorts

(See Retorts, Gas)

*Clay & Shale Gatherers

CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)

Clays (China)

Franckyn & Ferguson, Cotton Exch, New York

Hammill & Gillespie, 240 Front, New York

Nevins, Sam'l Co. (Dried, Ground & Bolted), 109 S 2d, Phila., Pa.

Salomon, L. A. & Bro., 216 Pearl, New York

Smith, J. Lee & Co., 59 Frankfort, New York

Star Clay Co., Mertztown, Pa.

Tennant, C. Sons & Co., 76 William, New York

Whittaker, W. T., 245 Front, New York

Clays, Minerals, Etc.

(See also Color Manufacturers & Importers)

Atlas Mining & Mineral Co., Lincoln, N. J., & 82 Pearl, New York

Berg Mining Co., 121 Front, New York.

Binney & Smith Co., 81 Fulton, New York

Blue Ridge Ochre Co., Cartersville Ga.

Cherokee Ochre Co., Cartersville, Ga.

Chrystal, Chas. B., 184 Water, New York

Columbia Brick & Plaster Co. (Clays for Pottery, Terra Cotta, etc.), North East, Md.

Davidson, Jas. H. (Inc.) (Ochres, Red Oxides, Barytes, etc.), 239 Front, New York

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)

Earle, Ellis P., 31 Nassau, New York

Federal Clay Mfg. Co., B'way & 23d, New York

Feuchtwanger, L. & Co., 54 Fulton, New York

Florida Clay Co., Law bldg, Baltimore, Md.

Franckyn & Ferguson (Barytes, Clays, etc.), Cotton Exch, New York

Fuerst Bros. & Co., 2 Stone, New York

Georgia Peruvian Ochre Co., S. Bethlehem, Pa., & Cartersville, Ga.

Great Eastern Clay Co., 39 Cortlandt, New York

Hammill & Gillespie (China, Potters, etc.), 240 Front, New York

Herrmann, Morris & Co. (Non-Fading Reds), 68 William, New York

Mepham, Geo. S. & Co., East St. Louis, Ill.

Mertztown Mfg. Co. (Orche, Umbers, Siemas, Metallic, Brown, Mineral, Black, etc.); Works, Mertztown, Pa.

Moore & Munger, 99 John, New York

Mount Holly Brick & Clay Co. (Refiners of White Clay), Harrisburg, Pa.

National Gum & Mica Co., 502 W 45th, New York

Nevins, Samuel Co., 109 S 2d, Phila., Pa.

N. Y. Silicate Co., 29 B'way, New York.

Osborn, Clarence J. (Broker), 284 Pearl, New York.

Paper Makers' Chemical Co. (English China & Ball Clays), Easton, Pa.

Pettit Chemical Co., 241 Front, New York

Philadelphia Clay Co. (High Grade Clays), 1201 Chestnut, Phila., Pa.

Robbins, Alfred A., 180 South, New York

Salomon, L. A. & Bro. (China Clay, etc.), 216 Pearl, New York

Scheel, Wm. H., 159 Maiden la., New York

Silkman, Frank W., 150 Nassau, New York

Smith, J. Lee & Co. (Ochres, Crown Paris White, Indian & Venetian Reds, Drop Black & Colors, China Clay), 59 Frankfort, New York

Star Clay Co. (Clays), Mertztown, Pa.

Tennant, C. Sons & Co. (Arsenic, China Clay, Talc, etc.), 76 William, New York

Thiele, E., 99 John, New York

Uhlich, Paul & Co., 108 Fulton, New York

Union Talc Co. (Agalite), 149 B'way, New York. Works, Gouverneur, N. Y.

Wagener, John O. & Co. (Mineral Pulp), Easton, Pa.

Whittaker, W. H., 245 Front, New York

WILBUR JOB CO. (American Ochres, Talckene, Black Filler & Red & Gray Slates). Office, Providence, R. I. Factory, Phila., Pa. (See adv. index, end of book)

Williams, C. K. & Co. (Mineral Pulp, Clays, Ochre, etc.), Easton, Pa.

Clays (Modeling)

Steiger Terra Cotta & Pottery Works, San Francisco, Cal.

Stewart & Co., 511 W 50th, New York

Cleaners (Bean & Pea)

Dickey, A. P. Mfg. Co. ("Dickey"), Racine, Wis.

Ferrell, A. T. & Co. ("Clipper"), Saginaw, Mich.

Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.

Owens, J. L. Co. ("Advance"), Minneapolis, Minn.

Cleaners (Boiler Flue & Tube)

Advance Packing & Supply Co., 55 S Canal, Chicago, Ill

Andrews, Thos. Mfg. Co. ("Rapid" High Power Boiler Tube Cleaner), Rockaway, N. J.

Baker-Smith Co. (Flue Cleaners), Oswego, N. Y.

Berry Engineering Co., Chester, Pa.

Browne, F. W. (Wire Brushes), Farmington, N. H.

Buckeye Boiler Skimmer Co. ("Buckeye" Automatic Boiler Skimmers), Toledo, O.

Burgess, E. A. (Est. of) ("Gronvold" Boiler Flue), New Haven, Conn.

Burrows Mfg. Co., 73 Warren, New York

Bushnell, John S. & Co. ("Thompson's" also "Grimm's" Injector Blower for Vertical Boilers; also Soot Suckers), 227 Fulton, New York

Caldwell, H. W. & Son So. ("Ruggles"), 17th & Western av, Chicago, Ill.

Cassday, W. L. Mfg. Co., South Bend, Ind.

Challenge Tube Cleaner Co. ("Challenge" Tube Scraper), Lowell, Mass.

Chesterton, A. W. & Co. ("Ingalls" Tube Scraper, "Engineers' Favorite" & "Wonder" Tube Cleaner, Combination Scraper & Brush, "Abram" Tube Brush & Spiral Tube Brush & Blowers & Suckers), 64 India, Boston, Mass.

Christoffel's, A. Son, 277 Eldert, Brooklyn, N. Y.

Clark, A. C. & Co. (Mechanical Boiler Cleaner), 1250 76th, Chicago, Ill.

Clark, Fred, Boiler Cleaning Co. ("Clark"), 93 Nassau, New York

Cleveland Flue Cleaner Mfg. Co. ("A. & D." Steam Boiler Flue Cleaner, Blowers & Suckers), 321 Frankfort av, N W, Cleveland, O.

Cleveland Tube Cleaning Co. ("Bulldog," "Peerless" Re-Adjusted Boiler Tube Cleaners), 416 Frankfort av, N W, Cleveland, O.

Colles, E. G. T. & Co. (Boiler Cleaners & Skimmers), 42 S Clinton, Chicago, Ill.

Crescent Mfg. Co. ("Cyclone" Steam Flue Cleaner), 1708 Columbus rd, N. W., Cleveland, O.

Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.

Decatur Specialty Co. ("Fairies" Self-Expanding & Contracting Tube Cleaner) Decatur, Ill

Dempsey, J. E. Co. ("Clark" Mechanical Boiler Cleaners, Blowers & Suckers), Monadnock blk, Chicago, Ill.

Diamond Power Specialty Co. ("Diamond" Steam Tube Cleaner, Suckers & Blowers), 236 Fort, W, Detroit, Mich

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

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Doolittle, S. B. & Son ("Doolittle's-Perfect" Flue Cleaner with Shear Cutting Knives), Binghamton, N. Y.
Erie Mfg. & Supply Co. ("The Perfection"), Erie, Pa.
Flint, Warren F. (Wire), 103 Merrimac, Boston, Mass.
Fort Wayne Steam Specialty Co. ("S. S. S."), Fort Wayne, Ind.
Gem Mfg. Co. ("Gem" Flue Scrapers), Spruce & 33d, Pittsburg, Pa.
General Specialty Co. ("Torpedo" Fire Tube Cleaner & "Demon" Water Tube Cleaner), 800 Prospect av, Buffalo, N. Y.
Gerhardt, C. (Flue & Tube Brushes), 591 Hudson, New York
Gilmore Tube Scraper Works (F. G. Crowell, Prop.) ("Gilmore" Tube Scraper), 61 Terrace, Buffalo, N. Y.
Globe Boiler Compound Co. ("Case" Patent Metal Boiler Cleaner), Binghamton, N. Y.
Goodfellow, Jno. H. ("Cyclone," "Autocrat," "New Wizard" Rear End Flue Blower), 36 Ferguson, Buffalo, N. Y.
Greenwood Mfg. & Supply Co. ("Greenwood" Hot Blast Flue Blower), 147 Milk, Boston, Mass.
Griffiths, Jas. A. ("The Cook" Blowers & Suckers), 500 N 12th, Philadelphia, Pa.
Hennebohle, F. (Blowers & Suckers), 9390 S Chicago av, Chicago, Ill.
Henry Steam Flue Cleaner Co. (Steam Flue), Ashland, Wis.
Hilts Wrench & Mfg. Co. ("Perfect"), Richford, N. Y.
Houghton, E. F. & Co., 240 W. Somerset, Phila., Pa.
Huyette, Paul B. Co. ("Tornado" Air Blower Tube or Flue Cleaner), Betz bldg, Phila., Pa.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) (Flue Cleaners), 169 Chambers, New York. (See adv. index, end of book)
Jackson Flue Scraper Co. ("Jackson" Flue Scraper), Jackson, Mich.
Jarecki Mfg. Co. ("The Hurley Freeman" Blowers & Suckers), Erie, Pa., & Pittsburg, Pa.
Johns, H. W.-Manville Co. ("National"), 100 William, New York
Just Mfg. Co. (Mechanical Boiler Skimmers), Heed bldg, Philadelphia, Pa.
Kurz, J. & W., Quincy, Ill.
Lagonda Mfg. Co. ("The Weinland" Water Power Tube Cleaner, Turbine), Springfield, O.
Leonard & McCoy ("The Hotchkiss"), 161 Washington, New York
Liberty Mfg. Co. ("Liberty," "Chicago," "Niagara" Turbine), Pittsburg, Pa.
Lord, L. L. Co., Meadville, Pa.
McCrea, Jas. & Co., ("Butman" Ball Joint Flue Scraper Rod), 67 W Washington, Chicago, Ill.
Mallory-Maschke Co. (Blowers), 123 Liberty, New York
McKim, John & Co. (Flue Cleaning Brushes), 131 N 10th, Phila., Pa.
McLaughlin, Geo. G. Mfg. Co., 24 Washington, N, Boston, Mass.
Manchester Mfg. Co. ("The Meyers" Automatic Skimmer), North Manchester, Ind.
Matthews, W. N. & Bro. ("Steam Scale Knockers"), 219 N 2d, St. Louis, Mo
Maurer, Wm. & Co. ("Lightning" Tube Cleaners), 217 St. Joseph, South Bend, Ind.
Michigan Lubricator Co. ("Correct," "Engineers" & "King" & Adjustable Flue Scrapers), 663 Beaubien, Detroit, Mich.
Mulholland, Wm. ("The Spencer"), 78 Lafayette, New York
Nubring, Chas., & Bro. (Soot Blowers & Suckers, "Success & Kant-Blo-Off"), Cincinnati, O.
National Flue Cleaner Co. ("American" Boiler Flue Cleaner), Trenton, N. J.
Oberchain & Boyer (Skimmers), Logansp't, Ind.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 299 B'way, New York
Paxson, J. W. Co., 1021 Delaware av, Philadelphia, Pa.
Perfection Grate Co. ("Perfection" Blower), Springfield, Mass.
Perry, Earle C. ("Perfection" Turbine), Merchants-Laclede Bldg, St. Louis, Mo.
Pierce, W. B. Co. ("The Dean" Turbine, "Sterling" & "Peerless"), 327 Washington, Buffalo, N. Y.
Pilley Packing & Flue Brush Mfg. Co. ("Abrams"), 608 S 3d, St. Louis, Mo.
Poole Mfg. Co. ("Little Giant" Power Water Tube & Fire Tube Cleaners), Albany, N. Y.
Prosser, Thos. & Son (Steel Wire Brushes), 15 Gold, New York
Reiter Boiler Cleaner Co., Elgin, Ill.
Robertson, Jas. L. & Son (Inc.) ("The Hurricane"), 48 Warren, N. Y.
Roto Co. ("Roto" Steam, Compressed Air & Water Driven Rotary Engines for Fire Tube and Water Tube), Plainsville, Conn.
Ruffner, D. B. & Son, Bowman & Creason Falls, Phila., Pa.
St. John, G. C. ("St. John" Tube Cleaner, 140 Cedar, New York
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Scully Steel & Iron Co. ("Ruggles" Perfection Flue Cleaner), 136 Fulton, Chicago, Ill.
Seehausen, Wehrs & Co. ("The Lukens"), 45 Franklin, Chicago, Ill.
Sherwood Mfg. Co. ("Favorite"), 1702 Elmwood av, Buffalo, N. Y.
Sims Co. (Mechanical Skimmers), Erie, Pa.
Thompson, Richard & Co. ("Thomson's 20th Century" Tube Cleaner or Injector Blower), 126 Liberty, New York
Thum, C. D. (Brushes), 150 N 3d, Phila., Pa.
Turner & Brownlie, Des Moines, Ia.
Union Steam Specialty Co. ("Grim" Injector & Soot Sucker), Scranton, Pa.
Unique Engineering Co. ("Unique" Flue Cleaner, Scraper & Blower), 100 Hinsdale, Brooklyn, N. Y.
U. S. Specialty Mfg. Co. ("U. S." Tube Blower), Pittsburg, Pa.
Warley, Thos. C. & Co., 221 S Front, Phila., Pa.
Wing, J. T. & Co. ("The Detroit" Flue Cleaners), 19 Woodward av, Detroit, Mich.
Wolfe Brush Co., S 15th & Bingham, Pittsburg, Pa.
Worcester Brush & Scraper Co. ("Criss-Cross" Tube Cleaner, etc.), Worcester, Mass.

Cleaners, Boiler Flue or Tube (Brushes)

Browne, F. W. (Wire), Farmington, N. H.
Chesterton, A. W. & Co. ("Abram" Tube Brush & Spiral Tube Brush), 64 India, Boston, Mass.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Flint, Warren F., 103 Merrimac, Boston, Mass.
Galten Mfg. Co., Cleveland, O.
Gerhardt, C. (Flue & Tube Brushes), 591 Hudson, New York
McKim, John & Co. (Flue Cleaning Brushes), 131 N 10th, Philadelphia, Pa.
Manning, Maxwell & Moore (Inc.), 85 Liberty, New York
Mulholland, J. H. ("The Spencer"), 78 Lafayette, New York
Pilley Packing & Flue Brush Mfg. Co. ("Abrams"), St. Louis, Mo.
Prosser, Thos. & Son (Steel Wire Brushes, 15 Gold, New York
Thum, Chas. D., 150 N 3d, Philadelphia, Pa.
Unique Engineering Co., 100 Hinsdale, Brooklyn, N. Y.
Wolfe Brush Co., S 15th & Bingham, Pittsburg, Pa.
Worcester Brush & Scraper Co. ("Ingalls" Tube Brush & Cleaner, & "Worcester" Flue Brush), Worcester, Mass.

Cleaners, Boiler Flue or Tube (Scrapers)

Challenge Tube Cleaner Co. ("Challenge"), Lowell, Mass.
Chesterton, A. W. & Co. ("Ingalls" Tube Scraper; also Combined Scraper & Brush), 64 India, Boston, Mass
Christoffels, A. Son, 277 Eldert, B'klyn, N. Y.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Doolittle, S. B. & Son ("Doolittle's Perfect" Flue Cleaner, with Shear Cutting Knives), Binghamton, N. Y
Gem Mfg. Co. ("Gem" Brush Spiral Flue & Coniform Flue Scrapers), Pittsburg, Pa.
Gilmore Tube Scraper Works (F. G. Crowell, Prop.) ("Gilmore" Tube Scraper), 200 Terrace, Buffalo, N. Y.
Goodfellow, John H. ("Autocrat" Flue Scraper), 36 Ferguson, Buffalo, N. Y.
Jackson Flue Scraper Co. ("Jackson" Flue Scraper), Jackson, Mich.
Johns, H. W.-Manville Co. ("National"), 100 William, New York
Kurz, J. &. W., Quincy, Ill.
Lord, L. L. Co., Meadville, Pa.
Manning, Maxwell & Moore (Inc.), 85 Liberty, New York
Michigan Lubricator Co. ("Essex," "King"), 661 Beaubein, Detroit, Mich.
Newark Brush & Scraper Co. ("Collicott's" Improved Ingall's), Newark, N. J.
Pilley Packing & Flue Brush Mfg. Co., 606 S 3d, St. Louis, Mo.
Reversible Tube Cleaner Co. ("Criss Cross" Tube Cleaner), Worcester, Mass.
Sherwood Mfg. Co ("Duplex" Tube Scraper, "Engineers' Favorite" Flue Scraper), Buffalo, N. Y.
Scully Steel & Iron Co. ("Ruggles Perfection"), 136 Fulton, Chicago, Ill.
Stewart Heater Co. ("Favorite"), 389 Norfolk av, Buffalo, N. Y.
Unique Engineering Co. ("Unique" Flue Cleaner, Scraper & Blower), 100 Hinsdale, Brooklyn, N. Y.
Worcester Brush & Scraper Co. ("Ingalls" Tube Scraper & Brush), Worcester, Mass.

Cleaners, Boiler Flue or Tube (Soot Blowers & Suckers)

Bushnell, John S. & Co. Co. ("Thompson's," also "Grimm's" Injector Blower for Vertical Boilers; also Soot Suckers), 227 Fulton, New York
Chesterton, A. W. & Co. ("Wonder" Tube Cleaner), 64 India, Boston, Mass.
Cleveland Flue Cleaner Mfg. Co. ("A. & D." Steam Boiler Flue Cleaner), 321 Frankfort av, N W, Cleveland, O.
Dempsey, J. E. Co. ("Clark" Mechanical Boiler Cleaner), Monadnock blk, Chicago, Ill.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Goodfellow, John H. ("New Wizard" Rear End Boiler Flue Blower), 36 Ferguson, Buffalo, N. Y.
Greenwood Mfg. & Supply Co. ("Greenwood" Hot Blast Flue Blower), 147 Milk, Boston, Mass.
Griffiths, James A. ("The Cook"), 500 N 12th, Philadelphia, Pa.
Henebohle, F., South Chicago, Ill.
Huyette, Paul B. Co. ("Tornado" Air Blower Tube or Flue Cleaner), Betz bldg, Philadelphia, Pa.
Jarecki Mfg. Co. ("The Hurley Freeman"), Erie, Pa., & Pittsburg, Pa.
Manning, Maxwell & Moore (Inc.), 85 Liberty, New York
Michigan Lubricator Co. ("Correct," "Engineers"), 661 Beaubein, Detroit, Mich.
National Flue Cleaner Co. ("American"), Trenton, N. J.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 299 B'way, New York
Power Specialty Co. ("Diamond" Steam Tube Cleaner), 236 Fort, W, Detroit, Mich.
Sherwood Mfg. Co. ("Favorite" Steam Flue Blowers), Buffalo, N. Y.
Thompson, Richard & Co. ("Thompson's 20th Century" Tube Cleaner or Injector Blower), 126 Liberty, New York
U. S. Specialty Mfg. Co. ("U. S.") Tube), Pittsburg, Pa.

Cleaners, Boiler Flue or Tube (Steam or Power)

Andrews, Thos., Mfg. Co. ("Rapid" High Power Boiler Tube Cleaner), Rockaway, N. J.
Burgess, E. A. (Est. of) ("Gronvold" Boiler Flue), New Haven, Conn.
Caldwell, H. W. & Son Co. ("Red Jacket"), 17th & Western av, Chicago, Ill.
Casaday, W. L. Mfg. Co., South Bend, Ind.
Cleveland Tube Cleaner Co. ("Bulldog," "Peerless" Readjusted Boiler Tube Cleaners), 424 Frankfort av, N W, Cleveland, O.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Fort Wayne Steam Specialty Co. ("S. S. S."), Fort Wayne, Ind.
Gem Mfg. Co. ("Union"), Spruce & 33d, Pittsburg, Pa.
General Specialty Co. ("Torpedo" Fire Tube Cleaner & "Demon" Water Tube Cleaner), 10 Seneca, Buffalo, N. Y.
Goodfellow, John H. ("Cyclone"), 36 Ferguson, Buffalo, N. Y.
Henry Steam Flue Cleaner Co. ("Henry" Steam Flue), Ashland, Wis.
Lagonda Mfg. Co. ("Weinland" Water Power Tube Cleaner), Springfield, O.
Liberty Mfg. Co. ("Niagara"), 6907 Susquehanna, Pittsburg, Pa.
Manchester Mfg. Co. ("Myers" Automatic), North Manchester, Ind.
Manning, Maxwell & Moore (Inc.), 85 Liberty, New York
Maurer, Labadie & Co. ("Lightning" Tube Cleaners), South Bend, Ind.
Pierce, W. B. Co. ("Dean" Tube Cleaner), 327 Washington, Buffalo, N. Y.

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Poole Mfg. Co. ("Little Giant" Power Water Tube & Fire Tube Cleaner), Albany, N. Y.
Power Specialty Co. ("Diamond" Steam Tube Cleaner), 236 Fort, W. Detroit, Mich.
Robertson, Jas. L. & Son (Inc.) ("The Hurricane"), 48 Warren, New York
Roto Co. ("Roto" Steam, Compressed Air & Water Driven Rotary Engines), Plainville, Conn.
Sherwood Mfg. Co., Buffalo, N. Y.

Cleaners (Boiler, Skimmers)

Buckeye Boiler Skimmer Co. ("Buckeye" Automatic), Toledo, O.
Colles, E. G. T. & Co., 20 S Canal, Chicago, Ill.
Just Mfg. Co., Heed bldg., Philadelphia, Pa.
Manchester Mfg. Co. ("Myers"), North Manchester, Ind.
Obenchan & Boyer, Logansport, Ind.
Sims Co., Erie, Pa.

Cleaners (Boiler, Turbine)

Lagonda Mfg. Co. ("Weinland"), Springfield, Ohio
Liberty Mfg. Co. ("Liberty" Heavy Duty), 6509 Susquehanna, Pittsburg, Pa.
Manning, Maxwell & Moore (Inc.), 85 Liberty, New York
Perry, Earle C. ("Perfection"), Merchants-Laclede Bldg., St. Louis, Mo.
Pierce, Wm. B. Co. ("Dean"), Jewett bldg Buffalo, N. Y.

Cleaners (Car)

Becker Chemical Co., 31 Main, Cincinnati, O.
No-Dust Chemical Co. ("Velox"), 184 La Salle, Chicago, Ill.

Cleaners (Carpet)

(See Sweepers, Carpet)

Cleaners (Corn)

De Loach Mill Mfg. Co., Bridgeport, Conn.
Marseilles Mfg. Co., Marseilles, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Union Iron Works, Decatur, Ill.

Cleaners (Drain)

(See Shovels, Drain)

Cleaners (Flax-Seed)

Dickey, A. P. Mfg. Co. ("Dickey"), Racine, Wis.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Owens, J. L., Co. ("Northwestern"), Minneapolis, Minn.

Cleaners (Gun)

(See Tools, Gun Cleaning & Reloading)

Cleaners (Hand)

Advance Packing & Supply Co. ("Flash" Anti-Septic), 123 Franklin, Chicago, Ill.

Cleaners (Hose)

Rudiger, J H. ("Rudiger" Automatic), 217 West, New York

Cleaners (Incandescent Lamp)

Crescent Co. ("Bates"), Valparaiso, Ind.
McCreary, Alfred A., 138 Liberty, New York
MORSE, FRANK W. ("Handy"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Cleaners (Knife)

Landers, Frary & Clark ("Universal"), New Britain, Conn.

Cleaners (Pavement)

(See also Scrapers, Sidewalk)

American Fork & Hoe Co. (For Stables), Cleveland, O.
Hiles, C. A. & Co. (For Removing Snow), 14th & Western av, Chicago, Ill.
Iowa Farming Tool Co., Fort Madison, Ia.
Pittsburg Shovel Co. ("W. A. Shuster," "Armstrong"), Frick Bldg., Pittsburg, Pa. Works: Leechburg, Pa.
Union Fork & Hoe Co. (Solid Steel, Snow & Ice), Columbus, O.

*Cleaners (Pipe)

BERNZ, OTTO (Fliteroft Patent), S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)

Cleaners (Pot)

Hamblin & Russell Mfg. Co., Worcester, Mass.

Cleaners (Sack)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Wolff, F., 625 W Boulevard, Kansas City, Mo.

Cleaners (Track)

Brill, J. G. Co., 62d & Woodland av, Phila.,
Chisholm, Valentine, Rockland, Me. Pa.
McGuire-Cummings Mfg. Co., 122 N Sangamon, Chicago, Ill.
Ohio Brass Co. ("Monarch"), Mansfield, O.
Root Spring Scraper Co., Kalamazoo, Mich.
Van Dorn & Dutton Co. ("Clark's"), Cleveland, Ohio

Cleaners (Wall Paper)

Antiseptic Mfg. Co., Pittsburg, Pa.
Climax Steam Mfg. Co., Cleveland, O.
Electric Cleanser Co., Canton, O.
Jewel Mfg. Co., 515 Holden pl, Chicago, Ill.
Rutherford, Wm., 467 N Wells, Chicago, Ill.

Cleaners (Window)

Bosley, D. W., Co. "Peerless," "X-L-C-R" Rubber), 303 Fulton, Chicago, Ill.
Goodrich, B. F. Co. (Rubber), Akron, O.
Morgan & Wright (Inc.), (Rubber), Detroit, Mich.
Parker Wire Goods Co., Worcester, Mass.
Phoenix Hardware Mfg. Co., Homer, N. Y.

Cleaning by Vacuum System

(See Vacuum & Suction Sweeping & Cleaning Apparatus & Systems)

Cleanouts

Barrett, Jas. Mfg. Co. ("Barrett's Nonpareil"), 211 Franklin, Boston, Mass.
CENTRAL FOUNDRY CO. ("Sure-Seal," etc.), 37 Wall, New York. (See adv. index, end of book)
Conrad, John F., Elizabeth, N. J.
Estabrook's, R. Sons ("Boston," "Success"), 204 W 1st, S. B., Boston, Mass.
Modern Iron Works (For Extra Heavy Pipe), Quincy, Ill.
Swett, A. L., Iron Works, Medina, N. Y.
Wade Iron Sanitary Mfg. Co. ("Wade"), 43 E Harrison, Chicago, Ill.

Cleats (Boat or Ship)

Laughlin, Thos. Co., Portland, Me.
Marine Hardware Co., Peabody, Mass.
Pusey & Jones Co., Wilmington, Del.
Shelton Co., Derby, Conn.
Wilcox, Crittenden & Co., Middletown, Conn.

Cleats (Car Wiring)

Bryant Electric Co., Bridgeport, Conn.
Burns, Jas. F., 74 N Hutchinson, Phila., Pa.
GENERAL ELECTRIC CO. (Brass, Wood, etc.), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Ridlon, Frank Co., Boston, Mass.

Cleats (Conduit)

Berger Bros. Co., 237 Arch, Phila., Pa.
Boston Brass Co., Boston, Mass.
Diamond Mfg. Co., Detroit, Mich.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Wolff, L. Mfg. Co., 117 W Lake Chicago, Ill.

Cleats (Fibre Wiring)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book)
Blake Signal & Mfg. Co. (Compressed), Boston

DELAWARE HARD FIBRE CO., Wilmington, Del.; Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
MORRIS ELECTRIC CO., Wilmington, Del.
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Cleats (Porcelain or Clay)

Adamant Porcelain Co., Broadway, Va.
Akron Hi-Potential Porcelan Co., Barberton, O.
Akron Smoking Pipe Co., Mogadore, O.
American Carbon & Battery Co., East St. Louis, Ill.
Anderson Porcelain Co., East Liverpool, O.
Brunt, G. F. Porcelain Works (Porcelain), East Liverpool, O.
Colonial Sign & Insulator Co., Akron, O.
Cook Pottery Co., Trenton, N. J.
Denver Pressed Brick Co., Denver, Colo.
Diamond Porcelain Co., Trenton, N. J.
Electric Porcelain Co. (Porcelain), East Liverpool, O.
Electric Porcelain & Mfg. Co. (Porcelain Only), Trenton, N. J.
Electrical Products Co. ("Nifty," Combination, Waterproof, Cleat & Receptacle), Morristown, N. J.
Empire China Works (Porcelain to Order Only), 156 Greene Brooklyn, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hartford Faience Co., Hartford, Conn.
Imperial Porcelain Works ("Duggan" Porcelain), Trenton, N. J.
Knowles, O. S. ("B-D," "Cartwright"), Boston, Mass.
Pass & Seymour (Porcelain), Solvay, N. Y.
Peru Electric Mfg. Co. (Porcelain Only), Peru, Ind.
Standard China Works (Warren Kimble, Prop.) (Porcelain), Trenton, N. J.
Standard Porcelain Co., New Cumberland, W. Va.
Thomas, R. & Sons Co. (Porcelain Only), East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Wks., Trenton, N. J.
Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.
Wirt Mfg. Co., Burrage, Mass.

Cleats (Rope)

Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.

Cleavers (Butchers', Etc.)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Bishop, Geo. H. & Co. (Family), Cincinnati, O.
Black, John B. ("Wm. Beatty & Sons," "Royal"), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Chatillon, Jno. & Sons, 87 Cliff, New York
Christy Knife Co. (Family Cleavers), Fremont, Ohio
Clyde Cutlery Co. (Family), Clyde O.
Evansville Tool Works, Evansville, Ind.
Forsyth Mfg. Co. ("Family," "No. 802"), Buffalo, N. Y.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Kimmel Bros., Columbus, O.
Knickerbocker Hardware Co., 299 B'way, New York. Works: Newark, N. J.
Mack & Co., Rochester, N. Y.
Peck, Stow & Wilcox Co. (Family), Southington, Conn.
Plumb, F. R. (Inc.), Frankford, Phila., Pa.
Richard, Stephen Co. ("S-N" & Family), Southbridge, Mass.
Smith & Hemenway Co., 108 Duane, New York
Washington Cutlery Co., Watertown, Wis.
White, Ira F., & Son Co. (Family Cleaver & Tender), Newark, N. J.
White, L. & I. J. Co. (Family), Buffalo, N. Y.

Clevises (Plow, Etc.)

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Empire Plow Co., Cleveland, O.

Climbers (Linemen's)

Blakslee Forging Co. ("Donnelly"), Plantsville, Conn.
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O

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Cronk & Carrier Mfg. Co. ("Sure Grip"), Elmira, N. Y.
Dicke, C. H. Tool Co., Downers Grove, Ill.
Dupont & Anderson ("Vermont"), St. Johnsbury, Vt.
Irvington Mfg. Co., Irvington, N. J.
Kilborn & Bishop Co., New Haven, Conn.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Lowentraut, P. Mfg. Co., Newark, N. J.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Reidy, Jno. J. ("Superior" Drop Forge), New Haven, Conn.
Smith, H. D. & Co. ("S" Drop Forged), Plantsville, Conn.
Smith & Hemenway Co. ("Neverturn"), 108 Duane, New York
Stephens, Wilmot ("Stephens," Bronze with Aluminum), Binghamton, N. Y.
Utica Drop Forge & Tool Co. ("Neverturn"), Utica, N. Y.

Clinometers

Ainsworth, Wm., & Sons, Denver, Colo.

Clip-Yokes

Capital Lock Nut & Washer Co., Columbus, Ohio

Clippers (Bolt or Rivet)

Allen-Randall Co. ("Allen-Randall"), Spring field, Mass.
Carolus Mfg. Co., Sterling, Ill.
Chain Belt Co. ("Levalley"), Milwaukee, Wis.
Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.
Champion Tool Co. ("Keystone," "Champion"), Meadville, Pa.
Columbus Bolt Works Columbus, O.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Metal Stamping Co., 243 West, New York
Moore Drop Forging Co., Springfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Porter, H. K. ("Easy," "New Easy"), Everett, Mass.
Roberts Mfg. Co. ("Roberts" & "Victor"), Somerville, Mass.
Schollhorn, Wm. Co. ("Elm City," "Bernard" End Cutting), New Haven, Conn.

Clippers (Bolt, Rod & Wire)

(See Cutters, Bolt; also Cutters, Rod & Wire)

Clippers (Cattle Dehorning)

(See Dehorners)

Clippers (Finger Nail)

Cook, H. C. Co. ("Gem"), Ansonia, Conn.
Klip-Klip Co. (Klip-Klip), Rochester, N. Y.
Little River Mfg. Co., Seymour, Conn.
Smith & Heminway Co., 296 B'way, New York
Snow & Petrelli Mfg. Co., New Haven, Conn.
Sperry & Alexander Co. (Toolever), 300 B'way New York

Clippers (Hair)

Brown & Sharpe Mfg. Co. (For Barbers), Providence, R. I.
COATES CLIPPER MFG. CO. ("Coates" Barbers'), Worcester, Mass. (See adv. index, end of book)

Clippers (Horse)

(See also Horse Clipping Machines)

American Shearer Mfg. Co. ("Priest's"). Nashua, N. H.
Brown & Sharpe Mfg. Co. (Hand Clippers), Providence, R. I.
Hotchkiss, Edw. S., Bridgeport, Conn.
Redman, C. H. & Co., 220 High, Newark, N. J.

Clippers (Orange)

Clauss Shear Co. ("Clauss), Fremont, O.
Henry, John T., Mfg. Co., Hamden, Conn.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
Wiss, J. & Sons Co., Newark, N. J.

Clippers (Stay Bolt)

(See Pneumatic Stay Bolt Clippers)

*Clippers (Staybolt, Hand Power)

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Clips (Axle)

Clapp, E. D. Mfg. Co., Auburn, N. Y.
Cowles, C. & Co., New Haven, Conn.
Moore, Franklin Co., Winsted, Conn.
Upson Nut Co., Unionville, Conn.

Clips (Cable Hanging)

(See Hangers, Cable)

Clips (Damper)

Adams Co., Dubuque, Iowa
Berger Bros. Co., 231 Arch, Philadelphia, Pa.
Brohard Co. (Malleable Iron), 1624 N 9th, Philadelphia, Pa.
Meister & Cochran ("Sterling" No-Rivet), Sterling, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.

Clips (Floor)

Mulvey, Chas. Mfg. Co. (Steel Floor), 18 S Jefferson, Chicago, Ill.

Clips (Hame)

Oliver Iron & Steel Co., Pittsburg, Pa.

Clips (Paper)

Adjustable Clip & Tag Mfg. Co. ("Bull Dog"), 465 Atlantic av., Boston, Mass.
Business Men's Publishing Co. ("Common Sense"), Detroit, Mich.
Clipper Mfg. Co. ("Clipper"), 366 Gerard av, New York
Consolidated Safety Pin Co. ("Eureka"), Bloomfield, N. J.
Cushman & Denison Mfg. Co. ("Gem," "Ideal"), 240 W. 23d, New York
Niagara Clip Co. ("Niagara," "Giant," "Cinch"), 155 Waverley pl., New York
Ring Paper Clip Co. ("Ringly's"), Providence, R. I.
Tatum, Sam'l C., Co. (Double Spring, etc.), Cincinnati, O.
Weis Mfg. Co. ("Weis"), Monroe, Mich.

Clips (Plank)

Sullivan, J. H. (For Re-Inforced Concrete Work), Grand Rapids, Mich.

Clips (Sleeper)

Chicago Builders Specialties Co. ("O. K." Wire), 138 Washington, Chicago, Ill.
Hurd & Haggin, 316 Hudson, New York
Mulvey, Chas. Mfg. Co. (Steel Floor), 1331 35th, Chicago, Ill.
Variety Mfg. Co. (Steel), Sacramento & Carroll av., Chicago, Ill.

Clips (Structural Steel)

Streeter, H. C., 31 Indiana, Chicago, Ill.

*Clips (Testing)

MORSE, FRANK W. ("Morse Eureka"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Clips (Trolley Wire)

Billings & Spencer Co., Hartford, Conn.

Clips (Wire Rope)

American Cable Clip Co., 39 E. 42d, New York
AMERICAN HOIST & DERRICK CO. ("Crosby"), St. Paul, Minn. (See adv. index & branch offices, end of book)
AMERICAN STEEL & WIRE CO., ("Crosby"), Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv index & branch offices, end of book)
BRODERICK & BASCOM ROPE CO., 800 N. Main, St. Louis, Mo. (See adv. index, end of book)
Byers, John F. Machine Co., Ravenna, O.
Contractors Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Durable Wire Rope Co., 28 Atlantic av, Boston, Mass.
Hammond Mfg. Co., 28 Atlantic av., Boston, Mass.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
Leschen, A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber-Whyte-Moon Co., 122 Centre, New York
MACOMBER & WHYTE ROPE CO., 206 S Clinton, Chicago, Ill. (See adv. index & branch offices, end of book)
Mockbee, C. M. ("Cincinnati"), Cincinnati, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Roebling's, John A. Sons Co., Trenton, N. J.
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)
Wilcox, Crittenden & Co., Middletown, Conn.
WRIGHT WIRE CO. ("Crosby"), Worcester, Mass. (See adv. index & branch offices, end of book)

Clock Mfrs.

(See also Clocks, Various Kinds)

Ansonia Clock Co., 11 Cliff, New York. Works: Ansonia, Conn.
Bristol Brass Co., Bristol, Conn.
Chelsea Clock Co., 16 State, Boston, Mass.
Durfee, Walter H. & Co. (Tubular Chime). Providence, R. I.
Gilbert, W. L. Clock Co. (and Regulators,) 37 Maiden lane, New York. Works: Winsted, Conn.
Goodwin & Kintz Co. (Novelty), Winsted, Conn.
HOWARD, E. CLOCK CO., 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Ithaca Calendar Clock Co., Ithaca, N. Y.
Ladd, W. C., Bristol, Conn.
Magneta Co., 120 W 31st, New York
National Brass & Iron Works (Metal Mantel, etc.), Reading, Pa.
New Haven Clock Co., Chicago, Ill.; 92 William New York; Works: New Haven, Conn.
Parker Clock Co., 32 Warren, N. Y. Works, Meriden, Conn.
Phelps, H. D., Ansonia, Conn.
Self-Winding Clock Co., 163 Grand av., Brooklyn, N. Y.
Sempire Clock Co. ("Electrometer," No Winding required), 7th & Hickory, St. Louis, Mo.
Sessions Clock Co. (Mantel, Hanging, Regulators, etc.), Forrestville, Conn., & 37 Maiden lane, New York
Thomas, Seth Clock Co., 49 Maiden lane, New York. Works, Thomaston, Conn.
Trinity Electric Clock Co., 92 Lake, Chicago, Ill.
Waltham Clock Co., Waltham, Mass.
Waterbury Clock Co., Waterbury, Conn.
Western Clock Mfg. Co. ("America" Alarm, etc.), Peru, Ill.

Clock Movements for Meters Gauges, Etc.

Fiego, Alex. J. R., Lynn, Mass.
Plumb, David S., 24 Boudinot, Newark, N. J.
Reeves Mfg. Co., Milford, Conn.
Waterbury Clock Co., Waterbury, Conn.

Clock Trimmings

Clark, A. N. & Son, Plainville, Conn.
Gardner's, J. B. Sons, Ansonia, Conn.
Root, S. E., Bristol, Conn.

*Clocks (Angelus Strikers, Quarter & Half Hour Strikers)

HOWARD, E. CLOCK CO., 373 Washington, Boston, Mass. (See adv. Index & branch offices, end of book)

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Clocks (Automobile)

(See Clocks & Watches, Dashboard)

Clocks (Electric)

American Watchman's Time Detector Co., 45 Sheriff, Cleveland, O.
Blodgett Clock Co., 141 Franklin, Boston, Mass.
Bogart, A. L. Co., 128 Liberty, New York
Eco Magneto Clock Co., 289 Congress, Boston, Mass.
Herzog Teleseme Co., 137 W 23d, New York
HOWARD, E. CLOCK CO., (Second ary), 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)
Imhauser, E. & Co. (Watchman's), 206 B'way, New York
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. 1 ndex & branch offices, end of book)
Magneta Co., 120 W 31st, New York
New England Electric Clock Co., Bangor, Me.
Pearce, Frederick Co., 18 Rose, New York
Pettes & Randall Co., 150 Nassau, New York
Prentiss Clock Improvement Co., 92 Chambers, New York
Self-Winding Clock Co., 163 Grand av, B'klyn,
Reeves Mfg. Co., New Haven, Conn. N. Y.
Thomas, Seth, Clock Co., 49 Maiden Lane, New York, Works, Thomaston, Conn.
Trinity Electric Clock Co., 92 Lake, Chicago, Ill.
Western Electric Co., 259 S. Clinton, Chicago. Ill., & 57 Bethune, New York

Clocks (Electric Alarm)

Darche Mfg. Co. ("Flash Light"), 8308 Halsted, Chicago, Ill.
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book)
Manhattan Electrical Supply Co., New York
Partrick, Carter & Wilkins Co., 22d & Wood. Phila., Pa.
Roche, Wm. ("Wide Awake"), Jersey City, N. J.
Stanley & Patterson ("Diamond"), 23 Murray, New York
Tardie, E. J., 240 6th av, New York

Clocks (English Hall)

Colonial Mfg. Co., Zeeland, Mich.
Durfee, Walter H. & Co. (Tubular Chime), Providence, R. I.
Grand Rapids Clock & Mantel Co. (Also Clock Cases, Electric, etc.), Grand Rapids, Mich.
HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass. (See adv. index & branch offices, end of book)
Sempire Clock Co ("Electrometer," No Winding Required), 7th c Hickory, St. Louis, Mo.
Waltham Clock Co. (Striking or Chiming on Gongs, Bells or Tubes), Waltham, Mass.

Clocks (Locomotive)

Ashcroft Mfg. Co., 85 Liberty, New York. Works, Bridgeport, Conn.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book
Marsh, Jas. P. & Co., 224 Wash'n, Chicago, Ill.
Schaeffer & Budenberg Mfg. Co., 963 Kent av., Brooklyn, N. Y.
Thomas, Seth Clock Co., 49 Maiden lane, New York. Works: Thomaston, Conn.

Clocks (Marine)

American Steam Gauge & Valve Mfg. Co., Boston, Mass.
Ansonia Clock Co., 11 Cliff, New York
Ashcroft Mfg. Co., 85 Liberty, New York. Works, Bridgeport, Conn.
Chelsea Clock Co. ("Chelsea"), 16 State, Boston, Mass.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Gilbert, W. L. Clock Co., Winsted, Conn.
HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book.
Marsh, Jas. P. & Co., 224 Washington, Chicago, Ill.
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
New Haven Clock Co., New Haven, Conn.
Phelps, H. D., Ansonia, Conn.
Schaeffer & Budenberg Mfg. Co., 963 Kent av., Brooklyn, N. Y.
Thomas, Seth Clock Co., 49 Maiden la, New York. Works: Thomaston, Conn.
Trinity Electric Clock Co., 92 Lake, Chicago,
Waterbury Clock Co., Waterbury, Conn. Ill.

Clocks (Pneumatic)

Hahl Automatic Clock Co. ("Masterclock" Automatic), 1507 N. Maplewood, av., Chicago. Ill.
Johnson Service Co., Milwaukee, Wis.

*Clocks (Processing)

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Clocks (Program)

(See Clocks, Self Winding & Programme, Electric)

*Clocks (Secondary Electric)

HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book

Clocks (Self-Winding & Program Electric)

American Watchman's Time Detector Co., 234 B'way, New York
Blodgett Clock Co., 141 Franklin, Boston, Mass.
Collins Electric Clock Co., St. Louis, Mo.
Columbia School Supply Co., Indianapolis, Ind.
Engineering Specialty Co., Stamford, Conn.
Frick, Fred. Clock Co., Waynesboro, Pa.
HOWARD, E. WATCH & CLOCK CO., 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book)
Johnson Service Co. (Pneumatic), Milwaukee, Wis.
Lyche, H. H. & Co. ("Ackerman"), 188 Madison, Chicago, Ill.
Magneta Co., 120 W 31st, New York
Mountain State Electrical Co., Wheeling, W Va.
New York Standard Watch Co., Jersey City, N. J.
Prentiss Clock Improvement Co., 49 Dey, New York
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co., Waterbury, Conn.
Sempire Clock Co., 7th & Hickory, St. Louis, Mo.
Standard Electric Time Co., Waterbury, Conn.
Trinity Electric Clock Co., 92 Lake, Chicago, Ill.
United Clock Co., Heyworth bldg, Chicago, Ill.

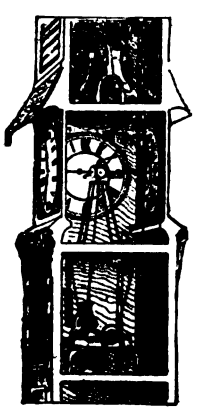
Clocks (Synchronized Systems)

American Watchman's Time Detector Co., 45 Sheriff, Cleveland, O.
Bunnell, J. H. & Co., 20 Park pl, New York, & Milford, Conn.
Herzog Teleseme Co., 137 W 23d, New York
HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Fox-boro, Mass. (See adv. index & branch offices, end of book)
Magneta Co., 120 W 31st, New York
Pettes & Randall Co., 150 Nassau, New York
Prentiss Clock Improvement Co. (Synchronized System of Time Plants), 92 Chambers, New York
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Sempire Clock Co., 7th c Hickory, St. Louis, Mo.
Trinity Electric Clock Co., 92 Lake, Chicago, Ill.

Clocks (Time-Recording System)

(See also Time Recorders)

American Watchman's Time Detector Co., 234 B'way, New York
Automatic Time Stamp Co., 160 Congress, Boston, Mass.
Crouse-Hinds Co. ("Hawley"), Syracuse, N. Y.
Dey Time Register Co., Endicott, N. J.
HOWARD, E. CLOCK CO., 373 Wash-ington, Boston, Mass (See adv. index & branch offices, end of book)



TOWER and STREET CLOCKS, also WATER TOWER and STABLE CLOCKS for Country Estates

The following are pleased users: *HIGHEST REFERENCES*

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E. C. CONVERSE, Esq , Donn Barber, Architect.
CLARENCE H. MACKAY, Esq., McKim, Mead & White, Architects.
GEORGE W. VANDERBILT, Esq., Richard M. Hunt, Architect.
THOMAS W. LAWSON, Esq., Coolidge & Carlson, Architects.
HOWARD GOULD, Esq. DR. LESLIE D WARD
J. R. McLEAN, Esq. E. F. SEARLES, Esq.
WM. K. VANDERBILT, Esq.

THE E. HOWARD CLOCK CO.

373 Washington St. Boston, Mass.
67 Maiden Lane, New York, N. Y.
103 State St., Chicago, Ill.



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INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Dey Time Register Co., Syracuse, N. Y.
International Time Recording Co. ("Rochester"), Binghamton, N. Y.
Johnson Service Co. (Pneumatic), Milwaukee, Wis.
Sanford, C. E., 18 B'way, New York
Simplex Time Recorder Co. ("Simplex"), Gardner, Mass.

Clocks (Tower)

HOWARD, E. CLOCK CO. (Angelus Strikers & Quarter & Half-Hour Strikers), 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Johnson, Nels, Manistee, Mich.
Johnson Service Co. (Pneumatic), Milwaukee, Wis.
Prentiss Clock Improvement Co., 92 Chambers, New York
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co. (Electric), Waterbury, Conn.
Stevens, G. M., 15 Chardon, Boston, Mass.
Thomas, Seth Clock Co., 49 Maiden la, New York; Works: Thomaston, Conn.

Clocks (Watchman's)

(See also Time Recorders)

American Watchman's Time Detector Co. ("Cleveland," Magneto American Watchman's Time Detector), Cleveland, O.
American Watchmen's Time Detector Co., 234 B'way, New York
BUNNELL, J. H., & CO., Park pl., & Church, New York. (See adv. index, end of book)
Eco Magneto Clock Co., Boston, Mass.
Edwards & Co., 140th & Exterior, New York
General Watchman's Time Detector Co., 92 Chambers, New York
Hamilton, E. A. & Co. ("Waggoner" Magneto), Grand Rapids, Mich.
Hardinge Bros. ("Beyer" Portable Time Detectors), 1036 Lincoln av, Chicago, Ill.
Hausberg, E. O., 45 Maiden la, New York
Hersey Mfg. Co. ("Tilden"), Boston, Mass.
Holtzer-Cabot Electric Co., Brookline, Mass.
Hoppe, Paul F., 34 Church, New York
HOWARD, E. CLOCK CO. (Electric), 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)
Imhauser, E. & Co. (Portable & Electric), 206 B'way, New York
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Kopp, Robt, 177 B'way, New York
Magneto Watchman's Clock Co., B'klyn, N. Y.
Marshall Electric Mfg. Co. ("Redding"), Boston, Mass.
Nanz Clock Co. ("Hahn"), 178 Fulton, New York
National Time Recorder Co. ("Twentieth Century"), 240 W Lake, Chicago, Ill.
Newman Clock Co. (Stationary, Portable & Electric), Masonic Temple, Chicago, Ill.
Riggs & Bro. (Electric & Portable), 310 Market, Philadelphia, Pa.
Sanford, Chas. E. (Night Watchman's Register), 18 B'way, New York
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Self-Winding Clock Co., Brooklyn, N. Y.
Time Keeper Co. ("Argus"), Masonic Temple, Chicago, Ill.

Clocks & Watches (Dashboard)

Auto Rebuilding Co., 1530 College av, Indianapolis, Ind.
Chelsea Clock Co., 16 State, Boston, Mass.
Clark, A. N. & Son ("Hex"), Plainville, Conn.
McGlehan Odometer & Mfg. Co., New York
Post & Lester Co. ("Regal"), Hartford, Conn.
Thorn Mfg. Co., Salem, Mass.
Wilson Auto Clock Co. (Inc.) (Illuminated), 935 Arch, Philadelphia, Pa.

Closets (Car)

Duner Co. ("Duner" Enameled Iron), 116 S Clinton, Chicago, Ill.

Closets (Dry Earth)

Heap, William & Sons, Grand Haven, Mich.

Closets (Park)

American Steel House Co., 796 11th av, New York

Closets (Sanitary)

(See Water Closet Manufacturers; also Water Closet Trade Names)

Cloth (Bolting)

(See Bolting Cloth; also Wire Cloth)

*Cloth (Brattice)

IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.), 169 Chambers, New York. (See adv. index, end of book)

Cloth (Window Shade)

(See Window Shade Manufacturers)

Clothes Dryers (Hot Air)

Chicago Dryer Co., 381 Wabash av, Chicago, Ill.
Hawkins, Rollyer Co., Indianapolis, Ind.
Hill-Canton Dryer Co., Canton, O.
Miller, Wm., Range & Furnace Co., Cincinnati, O.

Clothes Dryers (Steam, Hot Water or Gas)

Chicago Dryer Co., 381 Wabash av, Chicago, Ill.
Dryer Mfg. Co. ("Chicago;" also Hot Air), 204 E 26th, New York
Hill-Canton Dryer Co., Canton, O.
Mannen & Esterly Co., 2247 St. Clair, Cleveland, O
Metal Fire Proof Clothes Dryer Co., 204 E 26th, New York
Steel Roll Machine Co., 254 E. Madison, Chicago, Ill.

Clothes Drying Frames

American Mfg. & Novelty Co., (Bars, Clothes Horses, etc.), Erie, Pa.
Chapman, C. A. ("Superior" Balcony, Veranda, Window, etc.), Geneva, N. Y.
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Dryer Mfg. Co., 204 E 26th, New York
Fleck, M., 442 Pleasant av, New York
Hill-Canton Dryer Co., Canton O
Hill Dryer Co. (Also for Fire Escapes, Roof or Lawn), Worcester, Mass.
Martcross Co. ("Martcross" Clothes Bars), 40 Dearborn, Chicago, Ill.
Moulton, C. W. & Co. (Folding, etc.), Somerville, Mass.
Munnsville Plow Co. ("Munnsville Best"), Munnsville, N. Y.
Nashua Novelty Works, Nashua, N. H.
Phillips, A. J. Co., Fenton, Mich.
Smith, G. W., 182 Manhattan, New York
Toledo Cooker Co., Toledo, O.

*Clothes Lines

(See also Rope, Cotton, Etc.)

SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 82 Chauncy, Boston, Mass. (See adv. index, end of book)
TUCKER & CARTER ROPE CO. (Braided & Twisted Cotton Rope), 76 South & 167 Maiden lane, New York. (See adv. index, end of book)

*Clothes Lines (Wire)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill (See adv. index & branch offices, end of book)

Clothes Pins

(See Pins, Clothes)

Clothes Reel Centers (Iron)

Adams Company, Dubuque, Ia.
Rumsey & Co. (Ltd.) (Cast Iron Revolving), Seneca Falls, N. Y.

Clotheswashers

Keller Mfg. Co. ("Santo," Electric & Hand Power), 21st Allegheny av, Phila., Pa.

Clothing (Oiled)

Boynton's Oiled Clothing Co., Gloucester, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Corliss, C. R., & Son, Gloucester, Mass.
Frost Oil Clothing Co., Gloucester, Mass.
Gloucester Oiled Clothing Co., Gloucester, Mass.
Nelson, John (Est of), Gloucester, Mass.
Nickerson, Levi, Gloucester, Mass.
Rowe, Joseph H., Co., Gloucester, Mass.
Tower, A. J., Co. (Fish Brand), Vermont & Simmon, Boston, Mass.

Clothing (Rubber)

La Crosse Rubber Mills Co., La Crosse, Wis.

Cloths (Filter)

Hoegee, Wm. H. Co. (Inc.), 140 S Main, Los Angeles, Cal.
Redfield, Robt. S. & Co., 90 West, New York

Clusters (Fixture)

(Ceiling or Wall Bracket Fixtures)

American Brass & Copper Co., 138 Lafayette, New York
Columbia Gas Fixture Co., 148 N 4th, Phila., Pa.
Dale Co. ("Wecks"), 352 W 13th, New York
Dayton Mfg. Co., Dayton, O.
Faries Mfg. Co. ("Universal"), Decatur, Ill.
Federal Electric Co. ("Meridian"), Lake & Desplaines, Chicago, Ill.
Forg, Peter, Somerville, Mass.
FRINK, I. P., 551 Pearl, New York. (See adv. index, end of book)
Gail-Webb Mfg. Co. ("Universal"), Buffalo, N. Y.
Gleason, E. P. Mfg. Co., 37 Murray, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Greenwood Mfg. & Supply Co., Boston, Mass.
H-C-K Co., 30 Greenwich av, New York
Hubbell, Harvey (Inc.),, Bridgeport, Conn.
McLeod, Ward & Co., 17 Thames, New York
MORSE, FRANK W., 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Post-Glover Electric Co., 314 W 4th, Cincinnati, O.
Smith, Theodore, 151 Throop, Chicago, Ill.
Wells Light Mfg. Co. ("Wallworks"), 14 Church, New York
Wheeler Reflector Co., 156 Pearl, Boston, Mass.
White, Jas. H. Mfg. Co., 111 N 3d, Brooklyn,
White, O. C. Co., Worcester, Mass. N. Y.

Clusters (Wireless Fixture)

Benjamin Elec. Mfg. Co. ("Anti-Night"), 40 W Jackson boul, Chicago, Ill.
Crescent Co. ("Harter"), Valparaiso, Ind.
Dale Co. ("Weeks"), 9th av & 13th, New York
Faries Mfg. Co., Decatur, Ill.
Federal Electric Co., 124 W Lake, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 930 Church, New York. (See adv. index & branch offices, end of book)

Clutches (Arc Lamp)

Paiste, H. T. Co., 32d & Arch, Phila., Pa.
Phila. Electrical & Mfg. Co. ("Perfect"), 2011 Market, Phila., Pa.
Turner Brass Works, Sycamore, Ill.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, N. Y.

*Clutches (Automobile)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Clutches (Electric)

CUTLER-HAMMER CLUTCH CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & SUPPLY Co., Central & Giddings, Cleveland, O. (See adv. index, end of book)
Williams Electric Machine Co., Akron, O.

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Clutches (Friction)

(See also Pulleys, Friction Clutch; also Machinery, Power Transmitting)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Tool & Machine Co. ("Worrall," Improved), 109 Beach, Boston, Mass.
American Twist Drill Co. ("Worrall"), Laconia, N. H.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Barnard & Leas Mfg. Co. ("Barnard"), Moline, Ill.
Bauroth Bros., Springfield, Ohio.
Becker-Brainard Milling Machine Co., Hyde Park, Mass.
Brightman Machine Co., Cleveland, O.
BLISS, E. W., CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Burrell Mfg. Co., 251 S. Jefferson, Chicago, Ill.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Carruthers-Fithian Clutch Co., Grove City, Pa.
Cresson, Geo. V. Co., Allegheny av W of 17th, Phila., Pa., & West St. bldg, New York
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Eastern Machinery Co. ("Frisbie"), New Haven, Conn.
Edgemont Machine Co. ("Edgemont"), Dayton, O.
Emerson Mfg. Co., Lawrence, Mass.
Erie Clutch & Pulley Co., Erie, Pa.
Esmueller Mill Furnishing Co. ("Peerless"), St. Louis, Mo.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Faneuil Watch Tool Co. ("The Rivett"), 1 Brooks, Br., Boston, Mass.
Farrel Foundry & Machine Co. (Coil), Ansonia, Conn.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Frost Mfg. Co. ("Frost"), Galesburg, Ill.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Hartford Machine Screw Co., Hartford, Conn.
Hill Clutch Co., ft 58th, N W, Cleveland, O.
Hunt, Rodney, Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., North Adams, Mass.
Jacobson Machine Co., Warren, Pa.
Johnson, Carlyle Machine Co. ("Johnson"), Hartford, Conn.
Jones, W. A. Foundry & Machine Co. ("Lemley"), 142 W North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keasey Pulley Co., Toledo, O.
Klein, Chas. O. ("The Bull Dog"), 2850 N Marshall, Phila., Pa.
Link Belt Co. ("Ewart"), W 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
McMahon & Co., Worcester, Mass.
Medart Patent Pulley Co., 3500 DeKalb, St. Louis, Mo.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Minster Machine Co., Minster, O.
Moore & Lorens Co., 816-822 Fulton, Chicago, Ill.
Moore & White Co., 15th & Lehigh av, Phila., Pa.
Morgan Construction Co., Worcester, Mass.
Nugent Tool Co. ("Economy"), 2163 Central av, Cincinnati, O.
Oesterlein Machine Co., 2850 Spring Grove av, Cincinnati, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PATTERSON, GOTTFRIED & HUNTER. (Ltd.), 211 Centre, New York
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Baltimore, Md.
Rivett Lathe Mfg. Co. ("The Rivett"), Brighton, Boston, Mass.
Schultz, A. L., & Son, 570 Elston av., Chicago, Ill.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Skillin & Richards Mfg. Co. ("Muir" Steel Plate, etc.), 127 Fulton, Chicago, Ill.
Smith, T. H. Cotton Mill (Phillips Automatic), Jamestown, N. Y.
Smith, Jas. Woollen Machinery Co. (Inc.), 413 Race, Phila., Pa.
Snow & Petrelli Mfg. Co. ("Joe's"), New Haven, Conn.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Standard Clutch Mfg. Co. ("Standard"), Sidney, O.
Strait, H. N. Mfg. Co., Kansas City, Mo.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Turner Machine Co., 2049 N 2d, Phila., Pa.
Variable Speed Clutch Co. (Variable Speed), Milwaukee, Wis
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO. (And Jaw), 121 E North av, Chicago, Ill. (See adv. index, end of book)
Williams Foundry & Machine Co. ("Akron")', Akron, O.
Woods, T. B. & Sons Co., Chambersburg, Pa.

Clutches (Gas Engine)

Carruthers-Fithian Clutch Co., Grove City, Pa.
Grand Rapids Gas Engine & Yacht Co. (Friction Reversible), Grand Rapids, Mich.
Johnson Carlyle Machine Co. (Friction), Hartford, Conn.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Smith, T. H. Cotton Mill ("Phillips"), Jamestown, N. Y.
Variable Speed Clutch Co. (Variable Speed), Milwaukee, Wis

Clutches (Magnetic)

CUTLER-HAMMER CLUTCH CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Williams Foundry & Machine Co. ("Akron")', Akron, O.

Coal Breakers

(See Crushers, Coal & Coke)

*Coal Buckets (Automatic Steam)

MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index, & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Coal Chutes

CANTON FOUNDRY & MACHINE CO. (Window), Canton, O. (See adv. index, end of book)
Chappell Furnace Co. ("Majestic," Steel), Morenci, Mich.
Consolidated Iron Works, Hoboken, N. J.
Corrigan, McKinney & Co., Scottdale, Pa.
Cyclopean Iron Works, Jersey City, N. J.
Eagle Iron Works (for Mines), Des Moines, Ia.
FAIRBANKS, MORSE & CO., Wabash av., & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fairmont Mining Machinery Co. (For Mines), Fairmont, W. Va.
Grand Rapids Foundry Co. ("Boenius," one piece steel), Grand Rapids, Wis.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hendrick Mfg. Co., Carbondale, Pa.
Holland Furnace Co., Holland, Mich.
Howe Scale Co. of Illinois, 1315 Wabash av, Chicago, Ill.
JEFFREY MFG. CO. (Also Chutes & Screens Combined), Columbus, O. (See adv. index & branch offices, end of book)
Kelly Mfg. Co., Waterloo, Iowa
Koller, E. L. Iron Works (Galvanized), Newark, N. J.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lanz, M. & Sons (Steel), Carson & 29th, Pittsburg, Pa.
Lyon Metallic Mfg. Co., Aurora, Ill.
Majestic Furnace & Foundry Co. ("Majestic"), Huntington, Ind.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, O.
RIESECK, F., Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)
Sackett Screen Co., Fredonia, N. Y.
Schalkenback & Budke (Steel), Jersey City, N. J.
Schultz, C. H. ("All-Steel" Burglar Proof), St. Joseph, Mo.
Sheet Metal & Supply Co., Lancaster, Pa.
Teller, R. K., Unadilla, N. Y.
Union Iron Works, Hoboken, N. J.

Coal Chutes (Locomotive Coaling, Etc.)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index, end of book)
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Link Belt Co., W 39th cor Stewart av, Chicago, Ill. & 299 B'way, New York
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Stebbings, W. L., Monadnock blk., Chicago, Ill.
Williams, White & Co., Moline, Ill.

Coal Cutting Machines

(See Machines, Coal Cutting)

Coal Dock Outfits

(See Conveyors, Coal; also Tubs, Hoisting; also Tubs, Self-Dumping; also Derricks; also Hoisting Engines; also Gas & Gasoline Engines)

Coal Handling Plant Construction

(See Coal Storage Plant Construction; also Machinery, Coal & Ore Handling; also Conveyors, Coal & Ash Handling)

Coal Hole Covers

American Brake Shoe & Foundry Co., Mahwah, N. J.
AMERICAN MASON SAFETY TREAD Co. ("Safety"), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)
Barber Mfg. Co. (With or Without Glass), Ashtabula, O.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO. (Solid & Ventilated), Canton, O. (See adv. index, end of book)
CHICAGO SIDEWALK LIGHT CO., 108 Reaper blk, Chicago, Ill. (See adv. index, end of book)
Dauchy Iron Works, 84 Illinois, Chicago, Ill.
Dearborn Foundry Co., 1525 Dearborn, Chicago. Ill.
Hayes Foundry Co., Lynn, Mass.
Love Bros. (Inc.), Aurora, Ill.
McLagon Foundry Co., New Haven, Conn.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co. ("Acme"), 965 Addison rd., N. E., Cleveland, O.
Meaker, Geo. L. & Co., Evansville, Ind.
Metropolitan Iron Foundry (Rings & Covers), 548 W 55th, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Paxton & Vierling Iron Works, Omaha, Neb.
SMITH, F. P., WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Vierling, McDowell & Co., 23d & Stewart av, Chicago, Ill.

Coal Mining Machinery

(See Machinery, Coal Mining)

Coal Storage Plant Construction

BROWN HOISTING MACHINERY CO., Cleveland, O., & 26 Cortlandt, New York. (See adv. index, end of book)
Dodge, J. M., Co. (Complete Plants), Nicetown, Philadelphia, Pa.
Hale & Duncan, Schofield bldg, Cleveland, O.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Macdonald Engineering Co., 98 Jackson boul., Chicago, Ill.

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MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Roberts & Schaefer Co. (Engineers' & Contractors' Specialties, Washeries, Tipples, Power Houses, Bins & Coaling Stations), Old Colony bldg, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, O.
Williams, White & Co. (For Coaling Stations by Gravity), Moline, Ill.

Coal Tar Products

Alton Chemical Co., Bradford, Pa.
American Naval Stores Co. (of New York), 21 State, New York
Armitage Mfg. Co., Richmond, Va.
Barrett Mfg. Co., Land Title bldg, Philadelphia, Pa.
Bartholomew Roofing Co. (Dealers), Memphis, Tenn.
CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
City Gas Co. (Gas & Coal Tar), Norfolk, Va.
Galliopolis Gas & Coke Co., Galliopolis, O.
Garrett, C. S. & Son Co., 22 S Marshall, Philadelphia, Pa.
General Roofing Mfg. Co., East St. Louis, Ill., & Chicago, Ill.
Huggins, Jas. & Son (For Rubber Mfrs.), Malden, Mass.
Lewis Roofing Co., Rock Island, Ill.
Lyons, Jas., Evergreen, Borough of Queens, New York
Milwaukee Gaslight Co., Milwaukee, Wis.
Nashville Chemical Co., Nashville, Tenn.
Nashville Roofing & Paving Co., Nashville, Tenn.
National Aniline & Chemical Co., 100 William, New York
National Coal Tar Co., 17 Battery pl, New York
Noble, H. & Co., 623 S Caroline, Baltimore, Md.
Scheelkopf, Hartford & Hanna Co., Buffalo, N. Y., & 100 William, New York
Stelwagon Mfg. Co., 19th & Washington av, Phila., Pa.
Susquehanna Roofing Mfg. Co., Cly, Pa.
Union Roofing & Mfg. Co., St. Paul, Minn.
Warren Bros. Co., 93 Federal, Boston, Mass.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)
Wilckes, Martin, Wilckes Co. (Coal Tar Only), 135 William, New York

Coal Tipples & Trestles (Steel)

(See Tipples, Mine, with the Word Steel Following Their Name.)

Coal Tubs (Self-Dumping)

(See Tubs, Self-Dumping)

Coal Washing Machinery

(See Machinery, Coal Washing)

Coal & Coke Crushing & Screening Plants

Heyl & Patterson, Pittsburg, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Phillips Mine & Mill Supply Co., Pittsburg, Pa.

Coal & Ore Handling Machinery

(See Conveyors, Coal; also Machinery, Coal & Ore Handling)

Coating (Rope & Cable)

(See Wire Rope Coating & Lubricant)

Coatings (Cast Iron Pipe)

Armitage Mfg. Co., Richmond, Va.
Highland Chemical Products Co., Connellsville, Pa
Riesenman Mfg. Co. (Ltd.) ("Eclipse"), Franklin, Pa.

Cobalt (Peroxide)

Harshaw, Fuller & Goodwin Co., Cleveland, Ohio

Cobblers' Outfits

Enterprise Mfg. Co., N. 3d, cor. Dauphin, Philadelphia, Pa
Wrightsville Hardware Co., Wrightsville, Pa.
Sacks, Louis, Newark, N. J.
Root Bros. Co., Plymouth, Ohio.

Cock Eyes & Rings

Oliver Iron & Steel Co., Pittsburg, Pa.

Cocks (Air)

Asbell, S. J. Co., Paterson, N. J.
Buckeye Iron & Brass Works, Dayton, O.
Canton Brass Co., Canton, O.
Detroit Brass Works, Detroit, Mich.
Eagle Brass Works, Detroit, Mich.
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv, index, end of Michigan Lubricator Co., Detroit, Mich. book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of Nolte Brass Co., Springfield, O. book)
Queen City Brass & Iron Works, Cleveland, O.
Roberts Brass Mfg. Co., Detroit, Mich.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Standard Brass & Iron Works (Screwed for Wood Caskets for Brewers, etc.), Milwaukee, Wis.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Air Brake Hose)

Quincy, Manchester, Sargent Co. ("Anew"), Plainfield, N. J.

Cocks (Ale & Beer)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Asbell, S. J. Co., Paterson, N. J.
Bishop & Babcock Co., 49th & Hamilton av, Cleveland, O.
Chambers & Ainslee, 2 Commerce, Newark,
Clark Novelty Co., Rochester, N. Y. N. J.
Cleveland Faucet Co., 706 Frankfort av, N W. Cleveland, O.
Cleveland Brass Co., Cleveland, O.
Hamilton, Jno. (Beer or Bar), Bridgeport.
Haydenville Co., Haydenville, Mass. Conn.
Homer Brass Works (Inc.), 231 Race, Philadelphia, Pa.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
Liberty Brass Works, 303 W. Lombard, Baltimore, Md.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., Phila., Pa.
McNab & Harlan Mfg. Co., 56 John, New York
Michigan Brass & Iron Works, Detroit, Mich.
Mullany's, Jas. Sons, 141 E 25th, New York
Owen & Salter, N 12th & Buttonwood, Philadelphia, Pa.
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Works, Indianapolis, Ind.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Strater, Herman & Sons, Boston, Mass.
Varwig Mfg. Co., 120 Opera pl., Cincinnati, O.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Ball)

Adee, Fred. & Co., 44 Cliff, New York
Ahrens & Ott Mfg. Co., Louisville, Ky.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass
Badger Brass Mfg. Co., Kenosha, Wis.
Barrett, Jas. Mfg. Co., 48 Pearl, Boston, Mass.
Boston Brass Co. ("B. B." High Pressure), 30 Oliver, Boston, Mass.
Boyts, Porter & Co., Connellsville, Pa.
Burlington Brass Works ("Hartford"), Burlington, Wis.
Cahill-Swift Mfg. Co., 20 S 12th, St. Louis, Mo.
Crampton-Farley Brass Co., Kansas City, Mo.
Columbus Brass Co., Columbus, O.
Connolly, P. ("Connolly"), 1154 Atlantic av, Brooklyn, N. Y.
Cooper, W. S. Brass Works, 437 N 12th, Phila., Pa.
Coyne & Delany, 303 Rodney, Brooklyn, N. Y.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Dalton & Ingersoll Co., 175 High, Boston, Mass.
Dearborn Brass Co., Cedar Rapids, Ia.
D'Este, Julian & Co., 24 Canal, Boston, Mass.
Douglas, Jno. Co., 900 Poplar, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eureka Valve Co. ("O-K," Self-Closing), 18 High, Boston, Mass.
Exeter Brass Works, Exeter, N. H.
Fleck Bros. Co., 44 N 5th Phila., Pa.
Fleming, G. W. Co. ("Horth"), Bradford, Pa.
Foster, F. W. Mfg. Co. ("Nevrick"), 96 Haverhill, Boston, Mass.
Frost Mfg. Co. ("No. 577"), Kenosha, Wis.
Goelitz, H. G., Oak Park, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Heap, Wm. & Sons, Grand Haven, Mich.
Hoffman, B., Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila.,
Huxley Valve Co. ("Huxley"), 281 Chicago, Buffalo, N. Y.
Hyland, W. J. Mfg. Co. (Clark), Springfield, Mass.
Ideal Mfg. Co., Detroit, Mich.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Jones, Owen H., Hartford, Conn.
Libby, Harlow & Co., 59 Pearl, Boston, Mass.
McCambridge & Co. (Ltd.), 320 N 20th, Philadelphia, Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Iowa
Meyer-Sniffen Co., 11 W 36th, New York
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Monarch Brass Co., Cleveland, O.
Mott, J. L. Iron Works, 118 5th av, New York
Mueller, H. Mfg. Co., Decatur, Ill.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
National Mfg. & Supply Co. ("National" for High or Low Closet Tanks), Minneapolis, Minn.
National Supply Co., Toledo, O.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Noppel Pump Co., Hartford, Conn.
Ohio Pump & Brass Co. ("Triumph"), Columbus, O.
Oswego Bronze & Foundry Co., Oswego, N. Y.
Park & McKay Co., Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Plumbing & Steam Fitting Supply Co., Minneapolis, Minn.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Regester Co., Westminster, Md.
Rumsey, L. N. Mfg. Co., St. Louis, Mo.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
S. & L. Co. ("S. & L"), Springfield, Mass.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Sanitary Mfg. Co. ("Reliable"), Hamilton, O.
Scully, W. J., Ventilator & Mfg. Co., Detroit, Mich.
SIMMONS, JOHN, CO. ("Rothchild"), 104-110 Centre, New York. (See adv. index, end of book)
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Syracuse Faucet & Valve Co. ("Syracuse"), Syracuse, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
Universal Tool Co., Springfield, Mass.
Webb, F. W. Mfg. Co., 50 Elm, Boston, Mass.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago., Ill.
Wolverine Brass Works. ("Dale"), Grand Rapids, Mich.
Young, Jos. H. ("N. C." Glass Slot), 80 High, Boston, Mass.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

Cocks (Basin)

American Brass Mfg. Co., 1525 E. 49th, Cleveland, O.
Bashlin Co. (Self-Closing), Warren, Pa.
Burlington Brass Works (Fuller & Compression), Burlington, Wis.
Central Brass Works ("Standard"), Kansas City, Mo.
Dearborn Brass Co. (Self-Closing), Cedar
Eagle Brass Works, Detroit, Mich. Rapids, Ia.
Eastern Brass Co. ("Maryland" Compression), 150 Nassau, New York
Elgin Brass Co., Cleveland, O.
Federal Manufacturing Co., 160 State, Chicago, Ill.
McCambridge & Co., 315 N 20th, Phila., Pa.
Mayor, Lane & Co., 128 White, New York
Meyer-Sniffen Co., 11 W 36th, New York
Mott, J. L. Iron Works, 118 5th av, New York
Mueller, H., Mfg. Co. (Fuller), Decatur, Ill.
Regester Co., Westminster, Md.

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Sanitary Co., Cleveland, O.
Stebbins, E., Mfg. Co. ("Broughton" Self-Closing), Springfield, Mass.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Bath)

American Brass Mfg. Co., 1525 E. 49th, Cleveland, O.
Burlington Brass Works (Fuller), Burlington, Wis.
Climax Specialty Co. (Compression Double Bath), Seneca Falls, N. Y.
Eagle Brass Works, Detroit, Mich.
Elgin Brass Co., Cleveland, O.
McCambridge & Co., 315 N 20th, Phila., Pa.
Mott, J. L. Iron Works, 118 5th av, New York.
Regester Co. (Double), Westminster, Md.
Sanitary Co., Cleveland, O.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Bibb Nose)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Cocks (Blow-Off)

Best Mfg. Co., 25th and A. V. Ry., Pittsburg.
Chicago Pneumatic Tool Co. ("Little Giant" Pneumatic, for Locomotive Boilers), Fisher bldg, Chicago, Ill.
Crane Co. (Est. 1855), 519 S. Canal, Chicago Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co. ("Johnston"), 95 Oliver, Boston, Mass. (See adv. index, end of book)
Eynon-Evans Mfg. Co., 1510 Clearfield, Phila., Pa., & 32 B'way, New York
SIMMONS, JOHN, CO. ("Rothchild"), 104-110 Centre, New York. (See adv. index, end of book)
Standard Steam Specialty Co. (Utility), 542 W B'way, New York

Cocks (Corporation)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Anderson Coupling Co. ("Anderson"), Portland, Conn.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Campbell, J. B. Brass Works, Erie, Pa.
Chambers & Ainslee, 2 Commerce, Newark, N. J.
Cleveland Bronze & Brass Works, Cleveland, O.
Columbus Brass Co., Columbus, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crescent Mfg. Co., Connellsville, Pa.
Darling Pump & Mfg. Co., Williamsport, Pa.
Dart, W. M. Mfg. Co., Providence, R. I
Eastwood Wire Mfg. Co., Belleville, N. J.
Elkhart Brass Mfg. Co. (Stop), Elkhart, Ind.
Everhart Brass Works, Scranton, Pa.
Farnan Brass Works, Cleveland, O.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av.
Hamilton, Jno., Bridgeport, Conn. Phila., Pa.
Hamlin & Emery Brass Co., 26 Island, Boston.
Haydenville Co., Haydenville, Mass. Mass.
Hays Mfg. Co., Erie, Pa.
Hoffman, B. Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila.,
Humphreys Mfg. Co., Mansfield, O. Pa.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co., 137 Water, Pittsburg, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Iowa
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Meyer-Sniffen Co., 11 W 36th, New York
Michigan Brass & Iron Works, Detroit, Mich.
Mueller, H. Mfg. Co. Decatur, Ill.
Mullaney's, Jas. Sons, 141 E 25th, New York
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
National Mfg. & Supply Co. ("National"), Minneapolis, Minn.
Nichol, Thos. J. & Co., Cincinnati, O.
Nolte Brass Co., Springfield, O.
Ohio Pump & Brass Co., Columbus, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Works, Indianapolis, Ind.
Powell, Wm. Co., 2531 Spring Grove av, Cincinnati, O.
Regester Co., Westminster, Md.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
San Antonio Machine & Supply Co., San Antonio, Texas
Schutte & Korting Co., N 12th & Thompson, Philadelphia, Pa.
Smith, A. P. Mfg. Co. (Also Curb), Newark.
Spence Mfg. Co., S Milwaukee, Wis. N. J.
Standard Brass Works, Detroit, Mich.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co. ("S. & K."), 45 Fulton, Chicago, Ill.
Thomas Brass & Iron Co., Waukegan, Ill.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
United Brass Mfg. Co., Cleveland, O.
Victor Excelsior Brass Works, 129 White, New York
Victor Supply Co. ("Abbott"), Springfield, O.
Walworth Mfg. Co., 132 Federal, Boston, Mass
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Curb)

Anderson Coupling Co. ("Anderson") Portland.
Mueller, H., Mfg. Co., Decatur, Ill. Conn.
National Mfg. & Supply Co. ("National" Inverted Key), Minneapolis, Minn.
Nolte Brass Co., Springfield, O.
Rockford Brass Works, Rockford, Ill.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Cylinder)

Danville F'dry & Mach. Co. ("Hammer's" Automatic), Danville, Ill.
Edna Smelting & Refining Co. (Locomotive Cylinder), Cincinnati, O.
Hancock Inspirator Co. (Pneumatic), 85 Liberty, New York
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Roberts Brass Mfg. Co., Detroit, Mich.
Schaeffer & Budenberg Mfg. Co. (Traction Engine, etc.), 963 Kent av., Brooklyn, N. Y.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Filter Press)

LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Four-Way)

Schaeffer & Budenberg Mfg. Co. (Nickel Plated), 963 Kent av., Brooklyn, N. Y.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Gas Engine)

Haydenville Co., Haydenville, Mass.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Gas Meter)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Meter Co., 561 W 47th, New York
Campbell, J. B. Brass Works, Erie, Pa.
Crane Valve Co., Bridgeport, Conn.
Eagle Brass Works (For Standard & Union Meter), Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Mueller, H. Mfg. Co., Decatur, Ill.
National Mfg. & Supply Co. ("National"), Minneapolis, Minn.
National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.
Pioneer Brass Works, Indianapolis, Ind.
Rockford Brass Works (Lock Wing Union), Rockford, Ill.
Stebbins, E., Mfg. Co., Springfield, Mass.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Gas Service)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Meter Co., 561 W 47th, New York
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Boston Steam Specialty Co., 170 Congress, Boston, Mass.
Buckeye Iron & Brass Works, Dayton, O.
Campbell, J. B. Brass Works, Erie, Pa.
Chambers & Ainslee, 2 Commerce, Newark, N. J.
Clarke, Robt., 98 Schermerhorn, Brooklyn, N.Y.
Cleveland Bronze & Brass Works, Cleveland, O.
Columbus Brass Co. ("Acorn"), Columbus, O.
Connolly, P., 1154 Atlantic av., Brooklyn, N. Y.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Dart, E. M. Mfg. Co., Providence, R. I.
Detroit Brass Works, Detroit, Mich.
Eagle Brass Works, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Everhart Brass Works, Scranton, Pa.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works, Cleveland, O.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.
Hamlin & Emery Brass Co., 26 Island, Boston.
Haydenville Co., Haydenville, Mass., & 150 Nassau, N. Y.
Healey, Peter, Evansville, Ind.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila., Pa.
Jarecki Mfg. Co., Erie, Pa.
Kinsey & Mahler Co., Peoria, Ill.
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., Philadelphia, Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Meyer-Sniffen Co., 11 W 36th, New York
Michigan Brass & Iron Co., Detroit, Mich.
Mueller, H. Mfg. Co., Decatur, Ill.
Mullaney's, Jas. Sons, 141 E 25th, New York
National Mfg. & Supply Co. ("National" Lock), Minneapolis, Minn.
National Supply Co., Toledo, O.
National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Nichol, Thos. J. & Co., Cincinnati, O.
Nolte Brass Co., Springfield, O.
Ohio Pump & Brass Co., Columbus, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Perkes, Chas. 627 Arch, Philadelphia, Pa.
Pioneer Brass Works, Indianapolis, Ind.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works, Spring Grove & Garrard avs, Cincinnati, O.
Regester Co., Westminster, Md.
Rockford Brass Works, Rockford, Ill.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Smith, A. P. Mfg. Co., Newark, N. J.
Spence Mfg. Co., S Milwaukee, Wis.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Sumner & Goodwin Co., 287 Congress, Boston.
Thomas Brass & Iron Co., Waukegan, Ill.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
Victor Excelsior Brass Works, 128 White, New York

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Walworth Mfg. Co., 182 Federal, Boston.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Gas Stove)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Roberts Brass Mfg. Co., Detroit, Mich.
Rockford Brass Works, Rockford, Ill.
Stebbins, E., Mfg. Co., Springfield, Mass.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Gauge)

American Steam Gauge & Valve Mfg. Co., 212 Camden, Boston, Mass.
Ashcroft Mfg. Co. (Locomotive, etc.), 85 Liberty, New York. Works, Bridgeport, Conn.
Ashton Valve Co., 271 Franklin, Boston, Mass.
Belfield, H. & Co., 435 Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bordo, L. J. (Inc.) ("Bordo") 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Cadman, A. W. Mfg. Co. (High Pressure, etc.), 2814 Smallman, Pittsburg, Pa.
Canton Brass Co., Canton, O.
Chaplin-Fulton Mfg. Co. ("Bingham's" Self Grinding), 30 Penn av, Pittsburg, Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Detroit Brass Wks., Detroit, Mich.
Eastwood Wire Mfg. Co. (Iron Ball, etc.), Belleville, N. J.
Edna Smelting & Refining Co. (Steam, with Union), 525 Reading rd, Cincinnati, O.
Erie Mfg. & Supply Co. ("The Cube"), Erie, Pa.
Everhart Brass Works (Improved Ball), Scranton, Pa.
Farnan Brass Works, Cleveland, O.
Fewless-Lean Brass & Iron Co., Cincinnati, O.
Fleming, G. W., Co. (Locomotive), Bradford, Pa.
Hamlin & Emery Brass Co, 26 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hills McCanna Co. (High Pressure), 128 E Kinzie, Chicago, Ill.
Huyette, Paul B. Co. ("P. B. H." Quick Opening, Self-Closing Weighted), Betz bldg., Phila., Pa.
Jarecki Mfg. Co. (Pet), Erie, Pa., & Pittsburg.
Jenkins Bros., 71 John, New York Pa.
Jerguson Mfg. Co. ("Wiltbonco"), 221 Columbus av, Boston, Mass.
Kelly & Jones Co., Pittsburg, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Lonergan, J. E. & Co. (Locomotive, Compression, Weighted etc.), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Excelsior"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO. ("Victor," "Acme," "Little Giant" & "Mississippi" Gauge Ball), 227 Campbell av., Detroit, Mich. (See adv. index, end of book)
Marsh, Jas. P. & Co., Chicago, Ill.
Michigan Lubricator Co. ("Michigan" Compression Chain Lever, etc.) Detroit, Mich.
Murray Automatic Boiler Feed Co., 892 Scotten av, Detroit, Mich.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Tube Co., Pittsburg, Pa
Nolte Brass Co., Springfield, O.
Ohio Brass Co. ("Collin"), Mansfield, O.
Peck Bros. & Co., New Haven, Conn.
Perkes, Chas., 627 Arch, Philadelphia, Pa.
PITTSBURGH GAGE & SUPPLY CO., ("Pittsburgh" Rotating), 30th & Liberty av., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Valve & Fittings Co. Pittsburg, Pa.
Powell, Wm. Co., 2529 Spring Grove av., Cincinnati, Ohio
Pratt & Cady Co., Hartford, Conn
Queen City Brass & Iron Works, Cincinnati, O.
Reliance Gauge Column Co. ("Reliance" Lever Chain), Cleveland, O.
Roberts Brass Mfg. Co., Detroit, Mich.
Rundel-Spence Mfg. Co., Milwaukee, Wis.
Schaeffer & Budenberg Mfg. Co (Compression), 963 Kent av., Brooklyn, N. Y.
Sherwood Mfg. Co., Buffalo, N. Y.
Springfield Brass Co., Springfield, O.
Standard Brass Wks., Detroit, Mich.
Star Brass Mfg. Co. ("Hoyt's"), Boston, Mass.
Sterling & Skinner Mfg. Co., Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Valle & Kimes ("V. & K.," "Actna"), Dayton, O.
Walworth Mfg. Co., 128 Federal, Boston, Mass.
Williams Gauge Co. (Williams Rotating & Regrinding), 545 4th av., Pittsburg Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)
Wright Mfg. Co., Detroit, Mich.

Cocks (Hose)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Standard Brass & Iron Works (For Brewers, etc.), Milwaukee, Wis.

Cocks (Hydrant)

National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.

*Cocks (Hydraulic)

WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Indicator)

American Lubricator Co. (Three-Way for Engine Cylinders), Detroit, Mich.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Michigan Lubricator Co. ("Michigan" Three-Way), Detroit, Mich.
Lonergan, J. E. & Co. (Three-Way), 211 Race, Phila., Pa.
Sherwood Mfg. Co. (Three-Way), Buffalo, N. Y.
Star Brass Mfg. Co. (Three-Way), 103 E Dedham, Boston, Mass.

*Cocks (Liquor)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Locomotive Cylinder)

(See Cocks, Cylinder)

*Cocks (Oil)

(See Cocks, Liquor)

Cocks (Plug)

Eastwood Wire Mfg. Co. (Bronze), Belleville, N. J.
Golden-Anderson Valve Specialty Co. ("Anderson" Balanced), Fulton bldg, Pittsburg, Pa.
Hudson Governor Co. (Asbestos Packed, Iron, Brass or Aluminum), Rochester, N. Y.
LUNKENHEIMER CO. (Packed), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR CO., 104 John, New York. (See adv. index, end of book)
Watson, Frye & Co. (Acid Proof), Bath, Me.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Priming Cup)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Cocks (Refrigerator)

Landers, Frary & Clark, New Britain, Conn.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Relief)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks (Ship)

Bishop, Wm. Sons, 205 South, New York
Sands, Alfred B. & Son, 20 Vesey, New York
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Spring Key)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Cocks (Steam)

Belknap Mfg. Co., Bridgeport, Conn.
Bordo Co., L. J., Philadelphia, Pa.
Buckeye Iron & Brass Wks., Dayton, O.
Campbell, J. B. Brass Works, Erie, Pa.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Dart Mfg. Co., E. M., Providence, R. I.
Detroit Brass Works (Also Service), Detroit.
Eagle Brass Works, Detroit, Mich. Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Hamlin & Emery Brass Co., 26 Island, Boston, Mass.
Haines, Jones, & Cadbury Co., Philadelphia, Pa.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Jarecki Mfg. Co., Erie, & Pittsburg, Pa.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Lonergan & Co., J. E., Philadelphia, Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., 315 N 20th, Phila., Pa.
McNab & Harlin Mfg. Co, (Brass & Iron), 56 John, New York
McGowan, John H. Co., Cincinnati, O.
McMANN & TAYLOR CO., 104 John, New York. (See adv. index, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.
Nichol & Co., Thos. J., Cincinnati, O.
Nolte Brass Co., Springfield, O.
Ohio Pump & Brass Co., Columbus, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Perkes, Charles, Philadelphia, Pa.
Pittsburg Brass Mfg. Co., Pittsburg, Pa.
Powell, Wm. Co., 2529 Spring Grove av, Cincinnati, O.
Regester Co., Westminster, Md.
Standard Brass Works, Detroit, Mich.
Thomas Brass & Iron Co., Waukegan, Ill.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.

Cocks (Stop & Waste)

Acme Brass Works, Cleveland, O.
American Brass Mfg. Co., 1525 E. 49th, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Steam Gauge & Valve Mfg. Co., 206 Camden, Boston, Mass.
Asbell, S. J. Co., Paterson, N. J.
Bailey-Farrell Mfg. Co., 3d av & Ross, Pittsburg, Pa.
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Steam Specialty Co., 170 Congress, Boston, Mass.
Buckeye Iron & Brass Works, Dayton, O.
CALDWELL, W. E. CO., Brook & D, Louisville, Ky. (See adv. index, end of book)
Campbell, J. B. Brass Works (Compression), Erie, Pa.
Central Brass Mfg. Co., Cleveland, O.
Central Brass Works ("Standard"), Kansas City, Mo.
Chambers & Ainslee, Newark, N. J.
Cleveland Bronze & Brass Works (Anti-Freezing), Cleveland, O.
Columbus Brass Co., Columbus, O.
Connolly, P., 1154 Atlantic av., Brooklyn
Cooper, Wm. S. Brass Works ("Clipper"), 437 N 12th, Phila., Pa.
Crampton-Farley Brass Co., Kansas City, Mo.

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Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Dart, E. M. Mfg. Co., Providence, R. I.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Detroit Brass Works, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eagle Brass Works, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works, Cleveland, O.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hamilton, Jno., Bridgeport, Conn.
Hamlin & Emery Brass Co. ("Newport" & "Fitchburg"), 26 Inland, Boston Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey, Peter, Evansville, Ind.
Hercules Iron & Supply Co., Commercial & Hanover, Boston, Mass.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila.,
Humphryes Mfg. Co., Mansfield, O. Pa.
Jarecki Mfg. Co., Erie, Pa.
Jost's, Edmund Sons, 352 Plane, Newark, N. J.
Kelly, Thos. & Bros. ("Kelly"), Congress & 46th av, Chicago, Ill.
Kelly & Jones Co. ("Universal"), 135 Water, Pittsburg, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kupferle, Jno. C. Foundry Co., St. Louis, Mo.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark ("Simplex"), New Britain, Conn.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., 315 N 20th, Phila., Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Meyer-Sniffen Co., 11 W 30th, New York
Milwaukee Brass Mfg. Co. (Fuller & Compression), 241 Lapham, Milwaukee, Wis.
Mott, J. L. Iron Works, 118 5th av, New York
Mueller, H. Mfg. Co., Decatur, Ill.
Mullaney's, Jas. Sons, 141 E 25th, New York
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
National Mfg. & Supply Co. ("National," "New Star"), Minneapolis, Minn.
National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
Nichol, Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Nolte Brass Co., Springfield, O.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Ohio Pump & Brass Co., Columbus, O.
Park & McKay Co., Detroit, Mich.
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Perkes, Chas., 627 Arch, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
Powell, Wm. Co., 2325 Spring Grove av, Cincinnati, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Pratt & Cady Co., Hartford, Conn.
Queen City Brass & Iron Works, Spring Grove & Garrard avs. Cincinnati, O.
Regester Co., Westminster, Md.
Richter & Co., 210 E 9th, Cincinnati, O.
Reynolds, M. Plumbers' Supply Co., 25 Centre, New York
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sanitary Co., Cleveland, O.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Scully, W. J., Ventilator & Mfg. Co., Detroit, Mich.
Spence Mfg. Co., South Milwaukee, Wis.
Standard Brass & Iron Works (Straightway Stop Cocks, etc.), Milwaukee, Wis.
Standard Sanitary Mfg. Co., Bessemer bldg. Pittsburg, Pa.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago.
Syracuse Faucet & Valve Co. (No Packing), Syracuse, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Uco Brass Mfg. Co. (Inc.) ("Uco"), 2436 Brown, Philadelphia, Pa.
Union Brass & Metal Mfg. Co., St. Paul, Minn
United Brass Mfg. Co., Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Webb, F. W. Mfg. Co., 50 Elm, Boston, Mass.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Zero Valve & Brass Mfg. Co., 296 Seneca, Buffalo, N. Y.

Cocks (Three-Way)

National Tube Co. (Brass, Iron, Iron with "Kewanee" Union), Pittsburg, Pa.
Standard Brass & Iron Works (Male or Female Connections), Milwaukee, Wis.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Throttle)

LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Cocks (Traction Engine)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

*Cocks (Tuyere)

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Cocks & Bibbs (Compression)

Ahrens & Ott Mfg. Co., Louisville, Ky.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barrett, Jas. Mfg. Co., 48 Pearl, Boston, Mass.
Bashlin Co., Warren, Pa.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Brookside Brass Foundry & Mfg. Co., Cleveland, O.
Burlington Brass Works, Burlington, Wis.
Campbell, J. B. Brass Works, Erie, Pa.
Central Brass Mfg. Co., Cleveland, O.
Chambers & Ainslee, 2 Commerce, Newark, N. J.
Clark Novelty Co., Rochester, N. Y.
Cleveland Bronze & Brass Works, Cleveland, Ohio
Clow, Jas. B. & Sons, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Connolly Supply Co., 1071 Atlantic av, Brooklyn, N. Y.
Cooper, W. S. Brass Works ("Clipper"), Phila., Pa.
Cox Brass Mfg. Co. (Ltd.), Albany, N. Y.
Crampton-Farley Brass Co., Kansas City, Mo.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Dalton-Ingersoll Co., 169 High, Boston, Mass.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Detroit Lubricator Co., Detroit, Mich.
Du Bois, Fred'k N., 247 9th av, New York
Eagle Brass Works, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Empire Brass Mfg. Co., Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works, Cleveland, O.
Federal-Huber Co., 244 5th av, New York
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1137 Ridge av, Philadelphia, Pa.
Hamilton, Jno., Bridgeport, Conn.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey, Peter, Evansville, Ind.
Hoffman, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila, Pa.
Humphryes Mfg. Co., Mansfield, O.
Kelly & Jones Co., 137 Water, Pittsburg, Pa.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McCambridge & Co., 315 N 20th, Phila., Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Mayor, Lane & Co., 128 White, New York
Meyer-Sniffen Co., 11 W 36th, New York
Miller Foundry & Specialty Co. (With Removable Seats), North Tonawanda, N. Y.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mowry & Phillips ("Zane's"), 220 Congress, Boston, Mass.
Mueller, H. Mfg. Co., Decatur, Ill.
Mullaney's, Jas. Sons, 141 E 25th, New York
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
National Mfg. & Supply Co. ("National" High Lift Compression Sill Cocks), Minneapolis, Minn.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
Nelson, N. O. Mfg. Co., 8th & St. Charles, St. Louis, Mo.
Nichol, Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Nolte Brass Co., Springfield, O.
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Perkes, Chas., 627 Arch, Phila., Pa.
Regester Co., Westminster, Md.
Roberts Brass Mfg. Co., Detroit, Mich.
Rome Brass & Copper Co., Rome, N. Y.
Roylance, J. Brass Works, 114 Main, San Francisco, Cal.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sanitary Co., Cleveland, O.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Scully, W. J. Ventilator & Mfg. Co., Detroit, Mich.
Speakman Supply & Pipe Co., Wilmington, Del.
Spence Mfg. Co., S Milwaukee, Wis.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Thomas Brass & Iron Co., Waukegan, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
United Brass Mfg. Co., Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Weiskittel, A. & Son, Aliceanna & Washington, Baltimore, Md.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
Woodworth, A. M. & Son, Pittsburg, Pa.

Cocks & Bibbs (Fuller Work)

Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Bay State Brass Co., Haydenville, Mass.
Burlington Brass Works, Burlington, Wis.
Central Brass Mfg. Co., Cleveland, O.
Chambers & Ainslee, Newark, N. J.
Chicago Faucet Co., 200 S Clinton, Chicago, Ill.
Cleveland Bronze & Brass Works, Cleveland, Ohio
Clow, Jas. B. & Sons, 314 Franklin, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Crampton-Farley Brass Co., Kansas City, Mo.
Dalton-Ingersoll Co., Boston, Mass.
Dearborn Brass Co., Cedar Rapids, Ia.
Eagle Brass Works ("Hammerless"), Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Empire Brass Mfg. Co., Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 244 5th av., New York
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1137 Ridge av, Haydenville Co., Haydenville, Mass. Phila., Pa.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
Illinois Malleable Iron Co., 30 W Monroe, Chicago, Ill
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ind
Meyer-Sniffen Co., 11 W 36th, New York
Michigan Brass & Iron Works, Detroit, Mich.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Milwaukee Valve Co., Milwaukee, Wis.
Mueller, H. Mfg. Co., Decatur, Ill.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
National Mfg. & Supply Co., Minneapolis.
Naugatuck Malleable Iron Co., Naugatuck.
Nelson, N. O. Mfg. Co., St. Louis, Mo. Conn.
Peck Bros. & Co., New Haven, Conn.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Rome Brass & Copper Co., Rome, N. Y.
Roylance, J. Brass Works, 114 Main, San Francisco, Cal.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sanitary Co., Cleveland, O.
Scully, W. J. Ventilator & Mfg. Co., Detroit, Mich.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins, E. Mfg. Co., Springfield, Mass.

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Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Thomas Brass & Iron Co., Waukegan, Ill.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
United Brass Mfg. Co., Cleveland, O.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Weiskittel,, A. & Son, Baltimore, Md.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Cocks & Bibbs (Ground Key)

Asbell, S. J. Co., Paterson, N. J.
Buckeye Iron & Brass Works, Dayton, O.
Campbell, J. B. Brass Works, Erie, Pa.
Central Brass Mfg. Co., Cleveland, O.
Chambers & Ainslee, Newark, N. J.
Cleveland Bronze & Brass Works, Cleveland.
Columbus Brass Co., Columbus, O. Ohio
Dart, E. M. Mfg. Co. (Cocks Only, Gas, Water & Steam Self-Lubricating), Providence, R. I.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works, Cleveland, O.
Federal-Huber Co., 244 5th av., New York
Fisher, E. W. Co., Cleveland, O.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hart & Cooley Co., New Britain, Conn.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey, P., Evansville, Ind.
Hermance Mfg. Co., Syracuse, N. Y.
Hoffman, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila.,
Humphryes Mfg. Co., Mansfield, O. Pa.
Jost's, Edmund Sons, 352 Plane, Newark, N. J.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Keystone Brass Co., Erie, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McCambridge & Co., 315 N 20th, Phila., Pa.
McDonald, A. Y. & Morrison Co., Dubuque, Ia.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av Detroit, Mich. (See adv. index, end of book)
Meyer-Sniffen Co., 11 W 36th, New York
Mott, J. L. Iron Works, 118 5th av., New
Mueller, H. Mfg. Co., Decatur, Ill. York
Mullaney's, Jas. Sons, 141 E. 25th, New York
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
New Britain Brass Co., New Britain, Conn.
Nichol, Thomas J. & Co., Pearl & Ludlow, Cincinnati, O.
Ohio Brass & Iron Mfg. Co., Franklin, Cleveland.
Ohio Pump & Brass Works, Columbus, O O.
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Works, Indianapolis, Ind.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Queen City Brass & Iron Works, Spring Grove & Garrard avs, Cincinnati, O.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Russ, A. E. Mfg. Co., 6813 Wade Park av. N E, Cleveland, O.
Sanitary Co., Cleveland, O.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Scully, W. J., Ventilator & Mfg. Co., Detroit, Mich.
Springfield Brass Co., Springfield, O.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Thomas Brass & Iron Co., Waukegan, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
United Brass Mfg. Co., Cleveland, O.
United Metal Mfg. Co., 525 W 26th, New York
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Webb, F. W. Mfg. Co., 50 Elm, Boston, Mass.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Cocks & Bibbs (Self-Closing)

American Automatic Faucet Co., 114 State, Boston, Mass.
Barclay, Peter & Co., 54 Devonshire, Boston, Bashlin Co., Warren, Pa. Mass.
Brookside Brass Foundry & Mfg. Co., 21 Selzer av, Cleveland, O.
Central Brass Works, Kansas City, Mo.
Chambers & Ainslee, 2 Commerce, Newark N. J.
Chicago Faucet Co., 200 S Clinton, Chicago, Ill.
Clark Novelty Co., Rochester, N. Y.
Clow, Jas. B. & Sons, 344 Franklin, Chicago Ill.
Cooper, W. S. Brass Works, Philadelphia, Pa.
Crampton-Farley Brass Co. ("Farley"), Kansas City, Mo.
Dalton-Ingersoll Co., Boston, Mass.
Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
Du Bois, Fred'k N., 247 9th av, New York
Eagle Brass Works, Detroit, Mich.
Empire Brass Mfg. Co., Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co. ("Watrous," "Perry." "Cornell"), Halsted & Fulton, Chicago, Ill., & 244 5th av., New York
Field Automatic Valve & Faucet Mfg. Co., Providence, R. I.
Gilmour, J. Morrison, 164 W 120th, New York
Glenn Valve Manufactory, 115 Fremont, Chicago, Ill.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury Co., 1137 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hoffman, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Kelly, Thos. & Bros., Congress & 46th av., Chicago, Ill.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Loeffelholz Co., Milwaukee, Wis.
McCambridge & Co., 315 N 20th, Phila., Pa.
McShane, Henry Mfg. Co., Baltimore, Md.
Merrie, Hugh, 124 E 8th, Cincinnati, O.
Meyer-Sniffen Co., 11 W 36th, New York
Michigan Lubricator Co., Detroit, Mich.
Milwaukee Brass Mfg. Co. ("Engel," "Peerless," "Telegraph,") Milwaukee, Wis.
Milwaukee Valve Co., Milwaukee, Wis.
Mowry & Phillips ("Zane's"), 220 Congress. Boston, Mass.
Mueller, H. Mfg. Co., Decatur, Ill.
Mullaney's, Jas. Sons, 141 E 25th, New York
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
Peck Bros. & Co. ("Moore's," "Dougherty," "Boston"), New Haven, Conn.
Perkes, Chas., 627 Arch, Phila., Pa.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Rundle-Spence Mfg. Co. ("Telegraph"), Milwaukee, Wis.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sanitary Co. ("Doherty" Paragon), Cleveland Ohio
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Scoville, E. U., Manlius, N. Y.
Smith & Anthony Co. ("McHugh," "Cornell"), 48 Union, Boston, Mass.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins, E. Mfg. Co. ("Broughton"), Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago.
Superior Mfg. Co., Cleveland, O. Ill.
Syracuse Faucet & Valve Co. (No Packing) Syracuse, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
United Metal Mfg. Co., 525 W 26th, New York
Walsh, Richard & Sons, Detroit, Mich.
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wolff, L. Mfg. Co., W Lake, Chicago, Ill.
Young, E. R. & Sons, Titusville, Pa.

Coffee Roasters (Gas)

(See Peanut and Coffee Roasters; also Coffee, Peanut & Cocoa Bean Roasting Machines)

Coffee Urns

(See Cooking Apparatus)

*Cofferdams (Water-Tight)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Cogs (Wood)

Menasha Wood Split Pulley Co., Menasha, Wis.
Nordyke & Marmon Co. (For Mortise Gears), Indianapolis, Ind.
Thompson Mfg. Co., Lancaster, N. H.
Woolbert, Chas. W., Elmer, N. J.

Coilers (Wire)

Baird Machine Co., Oakville, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
Turner, Vaughan & Taylor Co., Cuyahoga Falls, Ohio

Coiling Machines

(See Spring Coiling Machines)

Coils (Armature & Field)

American General Engineering Co. ("A-G-E"), 253 B'way, New York
Belden Mfg. Co., 194 Michigan, Chicago, Ill. Mich.
Chattanooga Armature Works (Frank Steffner, Propt.), Chattanooga, Tenn.
Cleveland Armature Works, 4732 St. Clair av, N E, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
Dittrick & Jordan Elec. Co., Cleveland, O.
Doubleday-Hill Elec. Co., Pittsburg, Pa.
Elliott, S. K. Electric Co., Cleveland, O.
Elliott-Kibler Elec. Co., Cleveland, O.
Electric Cable Co. ("Voltax"), Bridgeport, Conn.
Electric Traction Supply Co., St. Louis, Mo.
Ford-Oliver Electric & Mfg. Co., Compton av c Papin, St. Louis, Mo.
Garton, W. R. Co. ("Heany"), 118 W Jackson boul, Chicago, Ill.
Major, Marshall E. Co., Nanticoke, Pa.
Marshall, R. W. & Co., 50 Church, New York
Morris, Elmer P. Co., 90 West, New York
Ridlon, Frank Co., Boston, Mass.
Roebling's, Jno A. Sons Co., Trenton, N. J.
Stuart-Howland Co., Boston, Mass.
VAN DORN ELECTRIC & MFG. CO., 2694 E. 79th, Cleveland, O. (See adv. index, end of book)
Wesco Supply Co. ("Wesco"), St. Louis, Mo.
Western Electric Co. ("Ruhmkorff"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Coils (Gas Lighting Spark)

Acme Wire Co., New Haven, Conn
American Electrical Works, Philipsdale, R. I.
Boston Electric Co., Boston, Mass.
Dow Portable Electric Co., Braintree, Mass.
Electric Goods Mfg. Co., Boston, Mass.
Engeln & Co., Cleveland, O.
Hercules Electric Co., Indianapolis, Ind.
Holtzer-Cabot Elec. Co., Brookline, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
National Coil Co., Lansing, Mich.
Ostrander, W. R. & Co., 22 Dey, New York
P-R Mfg. Co., Detroit, Mich.
Providence Spark Coil Co., Providence, R. I.
Splitdorf, C. F., 261 Walton av, New York

Coils (Induction)

Acme Wire Co., New Haven, Conn.
American Electric Telephone Co., 64th & State, Chicago, Ill.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Carstarphen Elec. Co., Denver, Col.
Electric Goods Mfg. Co., Boston, Mass.
Electro Radiation Co., ("Kinraide"), Boston, Mass.
Fischer Ignition Co., Cincinnati, O.
International Telephone Mfg. Co., 111 W Harrison, Chicago, Ill.
Kelley-Koett Mfg. Co., Covington, Ky.
Kellogg Switchboard & Supply Co., Green & Congress, Chicago, Ill.
Knoblock-Heideman Mfg. Co., South Bend, Ind.
McIntosh Battery & Optical Co., 225 E Washington, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl. New York
Menominee Electric Mfg. Co., Menominee, Mich.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.

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Pearce, Fred'k Co., 20 Rose, New York
Philadelphia Elec. Construction Co., 914 Filbert, Phila., Pa.
QUEEN & CO. (Inc.), n. w. c 8th & Arch. Phila., Pa. (See adv. index, end of book)
Roentgen Mfg. Co. ("Jumbo"), 226 Ionic, Phila., Pa.
Schiedel-Western X-Ray Coil Co., 171 Rand, Chicago, Ill.
Splitdorf, C. F., 261 Walton, New York
Thordarson Elec. Mfg. Co., 153 S Jefferson, Chicago, Ill.
Vote-Berger Co., La Crosse, Wis.
Western Tel. Mfg. Co., 50 W Jackson boul, Chicago, Ill.
Wilhelm Telephone Mfg. Co., Buffalo, N. Y.
Williams, E. Q., Syracuse, N. Y.

Coils (Phosphor Bronze)

Riverside Metal Co., Riverside, N. J.

Coils (Pipe)

(See Pipe Bends & Coils)

Coils (Resistance)

American Electrical Works, Phillipsdale, R. I.
BUNNELL, J. H., & CO., Park pl. & Church, New York. (See adv. index, end of book)
Gurley, W. & L. E ("Decade"), Troy, N. Y.
International Brass & Electric Co., 76 Beekman, New York
Kellogg Switchboard & Supply Co., Chicago, Ill.
Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Roller-Smith Co., Bethlehem, Pa.
Wagner, R. V. Co., 140 Wabash av, Chicago, Ill.
Ward, Leonard Elec. Co., Bronxville, N. Y.
Western Tel. Mfg. Co., 50 W Jackson boul, Chicago, Ill.

Coils (Spark)

American Coil Co. ("Jump"), Foxboro, Mass.
American Electric Fuse Co. ("American," also Cartridge Coils for Jump Spark, etc.), Muskegon, Mich.
American Electrical Works, Phillipsdale, R. I.
American Machine Mfg. Co. ("Perfection"), South Braintree, Mass.
Autocoil Co. ("Jumphlame," "Owners"), Jersey City, N. J.
Boston Electric Co., 29 Harrison av., Boston, Mass.
BUNNELL, J. H. & CO., Park pl. & Church, New York, (See adv. index, end of book)
Byrne-Kingston Co. ("Kingston"), Kokomo, Ind
Capitol Electric Engineering Co. (Gas Engine Igniting), Lansing, Mich.
Champion, Albert Co., Boston, Mass.
Chicago Coil Co. ("Cartridge," Iron Clad Igniter, for All Purposes), 36 Lasalle, Chicago, Ill.
Connecticut Telephone & Electric Co. (Inc.) ("Connecticut"), Meriden, Conn.
Dayton Electrical Mfg. Co. ("Apple"), Dayton, Ohio
Dow Portable Electric Co., Braintree, Mass.
Duplex Coil Co., Fond du Lac, Wis.
Edison Mfg. Co., Orange, N. J.
Eldridge Electrical Mfg. Co., Eldridge, N. Y.
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Electrical Appliance Co., Waterbury, Conn.
Engeln & Co. (Gas Lighting), Cleveland, O.
Fischer Ignition Co., Cincinnati, O.
Foote, Pierson & Co., 116 Duane, New York
Goodson Electric Ignition Co., Providence, R. I.
Gordon's Auto Supply Co. ("Elsner"), Boston, Mass.
Heinze Electric Co. (for Automobiles, X-Rays & Wireless Telegraphy), Lowell, Mass.
Herz & Co., 203 Lafayette, New York
Holtzer-Cabot Electric Co., Brookline, Mass.
Huff, R. S. Co., Detroit, Mich.
International Brass & Electric Co. (For X-Ray, Wireless Telegraphy, etc.), 76 Beekman, New York
International Telephone Mfg. Co., 111 W Harrison, Chicago, Ill.
Knoblock-Heideman Mfg. Co., South Bend, Ind.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
MORRIS ELECTRIC CO., Wilmington, Del. (See adv. index, end of book)
Motor Car Supply Co., 1425 Michigan av, Chicago, Ill.
National Coil Co. ("Capitol"), Lansing, Mich.
New York Coil Co. ("Fire Ball," "Economic" & "Challenge"), 388 Pearl, New York
Noxon, C. Per Lee, Syracuse, N. Y.
Nungesser Electric Battery Co., Cleveland, O.
Ohio Electric Works, Cleveland, O.
P. R. Mfg. Co., Detroit, Mich.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Peerless Switch Co., Detroit, Mich.
Pfanstiehl Electrical Laboratory (Inc., "X-Ray"), North Chicago, Ill.
Pittsfield Spark Coil Co. ("Pittsfield"), Dalton, Mass
Providence Spark Coil Co., Providence, R. I.
Remy Electric Co., Anderson, Ind.
Schug Electric Mfg. Co., Detroit, Mich.
Seidler-Miner Electric Co., Detroit, Mich.
Splitdorf, C. F., 261 Walton, New York
Thordarson Elec. Mfg. Co., 153 S Jefferson, Chicago, Ill.
Tritt Electric Co., Union City, Ind.
Western Electric Co. (Gas Engine & Automobile), 259 S Clinton, Chicago, Illl., & 57 Bethune, New York
Williams, E. Q., Syracuse, N. Y.
Witherbee Igniter Co. ("Wico"), 1876 B'way, New York

Coke Mfrs.

Alabama Consolidated Coal & Iron Co. (Foundry), Birmingham, Ala.
Algoma Coal & Coke Co., Algoma, W. Va.
Altoona Coal & Coke Co., Altoona, Pa.
Arlington Coal & Coke Co., Lynchburg, Va.
Atlantic Coal & Coke Co., Tunnelton, W. Va.
Battle Creek Coal & Coke Co., Orme, Tenn.
Beaver Coal & Coke Co., Wampum, Pa.
Beckley Coal & Coke Co., Macdonald, W. Va.
Bessemer Coal & Coke Co., Pittsburg, Pa.
Bessemer Coke Co., Lewis blk, Pittsburg, Pa.
Blair, Reed F. & Co. (Dealers), Frick bldg. Pittsburg, Pa.
Bottom Creek Coal & Coke Co., Vivian, W. Va.
Brown & Cochran, Conestoga bldg, Pittsburg, Pa.
Bryson Mountain Coal & Coke Co., Middlesboro, Ky.
Colorado Fuel & Iron Co., Denver, Colo.
Connellsville Central Coke Co., Empire bldg., Pittsburg, Pa.
Connellsville Mutual Coke Co., Scottdale, Pa.
Consolidated Connellsville Coke Co., Uniontown, Pa.
Croxer Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Crystal Coal & Coke Co., Godfrey, W. Va.
Donahoe Coke Co., Greensburg, Pa.
Dunn Connellsville Coke Co., Adamsburg, Pa.
Durham Coal & Coke Co., Chattanooga, Tenn.
East Connellsville Coke Co., Pittsburg, Pa.
Elk Ridge Coal & Coke Co., Kyle, W. Va.
Fairmont Coal Co. (Foundry, Furnace & Crushed), Baltimore, Md., & 1 B'way, New York
Fleser & Bentley (Wholesale), The Wyandotte, Columbus, O.
Fire Creek Coal & Coke Co., Fire Creek, W. Va
Fork Ridge Coal & Coke Co., Middlesboro, Ky.
Frick, H. C. Coke Co., Carnegie bldg. Pittsburg, Pa.
Gilliam Coal & Coke Co., Lynchburg, Va., & Gilliam, W. Va.
Goff, Horner & Co. (Ltd.) (Wholesale Dealers). Frick bldg., Pittsburg, Pa.
Grafton Coal & Coke Co., Grafton, W. Va.
Greenwich Coal & Coke Co., Latrobe, Pa.
Hanna, M. A. & Co., Perry Payne bldg. Cleveland, O
Hickman, Williams & Co. (Dealers), Louisville, Ky.
Hillman, J. H. & Son, Frick bldg, Pittsburg, Pa.
Houston, C. B. & Co. (Dealers), Girard bldg. Phila., Pa.
Houston Coal & Coke Co., Elkhorn, W. Va.
Hostetter Connellsville Coke Co., Frick bldg. Pittsburg, Pa
Hustead-Semans Coal & Coke Co., Uniontown, Pa.
Indian Ridge Coal & Coke Co., Connellsville, Pa.
Jamison Coal & Coke Co., Greensburg, Pa.
Keeley, Jerome & Co. (Dealers), Phila. Bank bldg. Phila., Pa.
Keister, A. L. & Co. (also Coal), Scottdale, Pa.
Keystone Coal & Coke Co., Greensburg, Pa.
Latrobe-Connellsville Coal & Coke Co. (Connellsville Coke), Latrobe, Pa.
Law, Ernest & Co. (Dealers), Harrison bldg, Phila., Pa
Louisville Coal & Coke Co., Goodwill, W. Va.
Loyal Hanna Coal & Coke Co., Loyal Hanna, Pa.
Lynchburg Coal & Coke Co., Kyle, W. Va.
McKeefrey Coal Co., Leetonia, O.
McKeefrey & Co., Leetonia, O.
Maher Coal & Coke Co., Blairsville, Pa.
Marmet-Halm Coal & Coke Co., Traction bldg, Cincinnati, O.
Maryland Coal & Coke Co., Union Trust bldg, Baltimore, Md.
Mingo Coal & Coke Co., Middlesboro, Ky.
Mohr, J. J. & Son (Dealers), Bullitt bldg, Phila., Pa.
Monessen Coal & Coke Co., Frick bldg, Pittsburg, Pa.
Moore, Edgar & Co. (Mfrs. Agents), Farmers' Bank bldg, Pittsburg, Pa.
New England Gas & Coke Co., 146 Franklin, Boston, Mass.
New York & Phila. Coal & Coke Co., Produce Exchange, New York
Norton Coal Co., Norton, Va.
Oliver & Snyder Steel Co., S 10th & Muriel, Pittsburg, Pa.
Opekiska Coal & Coke Co., Connellsville, Pa.
Orient Coke Co., Uniontown, Pa.
Peerless Coal & Coke Co., Vivian, W. Va.
Penn Coke Co., Uniontown, Pa.
Pickands, Mather & Co., Western Reserve bldg., Cleveland, O.
Pickands, Brown & Co., Com. Nat'l Bank bldg, Chicago, Ill.
Pilling & Crane (Jobbers in Coal & Coke), Real Estate Trust bldg, Phila., Pa.
Pittsburg-Buffalo Co., Frick bldg, Pittsburg, Pa.
Pittsburg Coal Co., 232 5th av, Pittsburg, Pa.
Pocahontas Coke Co., Bramwell, W. Va.
Pocahontas Consolidated Collieries Co., Bramwell, W. Va.
Prospect Coal & Coke Co., Searights, Pa.
Raleigh Coal & Coke Co., Raleigh, W. Va.
Republic Iron & Steel Co., Frick bldg. annex, Pittsburg, Pa.
Rochester & Pittsburg Coal & Iron Co., Rochester, N. Y., & 1 B'way, New York
Rocks Coal & Coke Co., Connellsville, Pa.
Rogers-Brown & Co. (Dealers), Cincinnati, O.
Runyon, Fairbank & Co., Citizens' bldg., Cleveland, O.
Sackett Coke Co., Uniontown, Pa.
Sewanee Coal, Coke & Land Co., Clouse Hill, Tenn.
Shook & Fletcher (Dealers), Birmingham, Ala.
Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Snyder, W. P., & Co. (Furnace & Foundry), Frick Bldg., Pittsburg, Pa.
Stauffer, J. R., Scottdale, Pa.
Stewart Iron Co., Cleveland, O., & Sharon, Pa.
Steubenville Coal & Mining Co., Steubenville, Ohio
Sunshine Coal & Coke Co., Masontown, Pa.
Taylor Coal & Coke Co., Uniontown, Pa.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
Thacker Fuel Co., The, Union Trust bldg, Cincinnati, O.
Tidewater Coal & Coke Co., Vivian, W. Va.
Turkey Knob Coal & Coke Co., Macdonald, W. Va.
Tygarts River Coal Co., Grafton, W. Va.
Tyler, W. R. & Co. (Dealers), Land Title bldg, Phila., Pa.
United Coke & Gas Co., 17 Battery pl, New York
United Iron & Steel Co. (Foundry, etc.), Pittsburg, Pa.
U. S. Coal & Coke Co., Carnegie bldg, Pittsburg, Pa.
Upland Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Virginia, Iron, Coal & Coke Co. (Furnace & Foundry), Roanoke, Va.
Virginia & Pittsburg Coal & Coke Co., Fairmont, W. Va.
Washington Coal & Coke Co., Dawson, Pa., & Pittsburg, Pa.

Coke (Metallurgical)

United Coke & Gas Co., 17 Battery pl., New York

Coke Oven Construction

American Coke & Gas Construction Co. (With or Without the Recovery of By-Products), Camden, N. J.
Connellsville Mfg. & Mine Supply Co. (Inc.), Connellsville, Pa.
Koppers, H., ("Kopper's" By Product Plants), Joliet, Ill.
United Coke & Gas Co. ("United-Otto" By Product Plants), 17 Battery pl., New York
Warwick Co., 827 S Union, Chicago, Ill.

*Coke (Petroleum)

INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)

Coke Plant Construction

(See Coke Oven Construction)

*Cold Rolling (All Flat Metals)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Cold Storage Plant Construction

(See Ice & Refrigerating Machines)

Cold Storage Rooms

(See Refrigerators & Cooling Rooms)

*Cold Water Pipe Covering ("Wyckoff" Patent Waterproof Wood)

WYCKOFF, A. & SON CO., Elmira, N. Y. (See adv. index, end of book)

Collapsible Steel Centering

(See Centering, Steel)

Collars (Axle)

Graham Nut Co., Pittsburg, Pa.

Collars (Dog)

Brauer Bros. Mfg. Co., St. Louis, Mo.
Cassady-Fairbank Mfg. Co. ("Erb"), 6106 La Salle, Chicago, Ill.
Medford Fancy Goods Co. (Sterling Silver), 75 Duane, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Scheffer & Rossum, St. Paul, Minn.
Union Hardware Co., Torrington, Conn.

Collars (Shafting)

(See Shafting Collars)

Collars (Split)

Chain Belt Co., Milwaukee, Wis.
Dodge Mfg. Co. (For Shafting), Mishawaka, Ind.
Link Chain Co., Williamsport, Pa.
PATTERSON, GOTTFRIED & HUNTER, (Ltd.), (The "Johnson" Safety), 211 Center, New York
Salem Foundry & Machine Works, Salem, Va.
Shaw Coupling Co. (Also Solid), Syracuse, N. Y.
Yocom, Jas. & Son (For Shafting), 145 N 2d, Phila, Pa.

Collars (Steam Pipe)

Matthews Mfg. Co., Worcester, Mass.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Collars (Thrust)

Dyson, Jos. & Sons (Forged), Cleveland, O.

Collets

Adjustable Collet Co. (Adjustable), Cleveland, Ohio
Becker Milling Machine Co., Hyde Park, Mass.
Browne & Sharpe Mfg. Co. (For Milling & Grinding Machines, etc.), Providence, R. I.
McCrosky Reamer Co. ("Wizard"), Meadville, Pa.
Modern Tool Co. ("Magic"), Erie, Pa.
Owen Machine Tool Co., Springfield, O.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Whitney Mfg. Co. ("Presto" & Friction Tapping), Hartford, Conn.
Wiley & Russell Mfg. Co. ("Lightning" Dies & Collets for Machines), Greenfield, Mass.

Color Cards for Mixed Paints

(See Paint Manufacturers' Color Cards)

Color Mfrs. & Importers

(See also Clays, Minerals, Etc.)

Acme White Lead & Color Works, Detroit, Mich.
Adler Color & Chemical Works, 100 William, N. Y., & 170 Tillary, Brooklyn, N. Y.
Akron Mining, Milling & Mfg. Co. ("Robinson's"), Aurora, Ill.
Alston Mfg. Co., Wade & Currier, Chicago, Ill.
Ansbacher, A. B. & Co., 253 B'way, New York, & 310 N 7th, Brooklyn, N. Y.
Atlas Co. (Miners & Refiners), Lincoln, N. J., & 82 Pearl, New York
Augusta Sienna & Ochre Co., (Miners & Exporters), Augusta, Ga.
Ault & Wiborg Co. (Dry Color Mfrs.), 7th & Culvert, Cincinnati, Ohio
Billings-Chapin Co., 1163 E. 40th N. E., Cleveland, O.
Billings, King & Co., 438 Pearl, New York, & 158 Congress, Boston, Mass.
Binney & Smith Co., 81 Fulton, New York
Briedbach, C. J. & Son, 395 Mott av, New York
Briggs, John & Co., 47 Purchase, Boston, Mass.
Cambria Paint & Color Co. (Ltd.) (Grinders of Paper & Pulp Colors, Colors in Oil, etc.), Johnstown, Pa.
Cawley, Clark & Co. (Pulp & Dry Colors, Chrome Yellow, etc.), Newark, N. J.
Continental Varnish & Color Co., 1315 W 8th Kansas City, Mo
Davidson, Jas. H. (Inc.), 239 Front, New York
Detroit White Lead Works (Mfrs.), 532 Milwaukee av, E, Detroit, Mich.
Devoe, F. W. & C. T. Raynolds Co., 101 Fulton, N. Y., & 176 Randolph, Chicago, Ill.
DOGGETT, STANLEY (Dry), 101 Beekman, New York. (See adv. index, end of book)
Eagle White Lead Co., 7020 B'way, Cincinnati, O.
Essex Paint Works, Essex, Conn.
Fales, W. H. & Co., 62 Maiden Lane, New York.
Forest City Paint & Varnish Co., Cleveland, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gabriel & Schall (Importers of Tithopone Dry Colors, etc.), 205 Pearl, New York
Hammill & Gillespie (Importers), 240 Front, New York
Hanna & Andrus Mfg. Co. (Mfr., a Full Line), Chicago, Ill.
Harrison Bros. & Co., 35th & Grays Ferry rd, Phila., Pa.
Heller & Mertz Co. (Aniline), 22 Cliff, New York
Hemingway & Co., 135 Front, New York
Herrman, Morris & Co., 68 William, New York
Huber, Jos. M., 275 Water, New York
Illinois Mineral Milling Co., E. St. Louis, Ill.
International Acheson Graphite Co. (Graphite Pigments), Niagara Falls, N. Y.
Johnson, Chas. E. & Co., 509 S 10th, Phila., Pa.
Kalle & Co. (Importers), 534 Canal, New York
Keppelmann, Adolphus, 205 Fulton, New York
Kohnstamm, H. & Co., 87 Park pl, New York
Kuttroff, Adolf (Importers), 128 Duane, New York
Lavanburg, Fred'k L. (Importer), 100 William, New York
Lewis, John T. & Bros. Co., 231 S Front, Phila., Pa.
Longman & Martinez, 207 Pearl, New York
Lucas, John & Co., 4th & Race, Phila., Pa.
McLennan Paint Co., Detroit, Mich.
Macneal, Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Mepham, Geo. S. & Co. (Colors & Minerals), East St. Louis, Ill.
Merrimac Chemical Co., Boston, Mass.
Mertztown Mfg. Co. (Ochres, Umbers, Siemas, Metallic Brown, Reds, Slate, Flour, Mineral, Blacks, etc.), Works: Mertztown, Pa.
Mound City Paint & Color Co., 813 N 6th, St. Louis, Mo.
NEVIN, T. H., CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Peninsular Paint & Color Works (Ltd.) (Dry), St. Aubin & Clay avs, Detroit, Mich.
Pfeiffer, Isaac, 92 William, New York
Prince Mfg. Co., 2 Cliff, New York
Prince's Metallic Paint Co., Allentown, Pa.
Schoellkopf, Hartford & Hanna Co. (Aniline), Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, O.
Sinclair & Valentine, 5 Marion, New York
Stevens, Geo. I., Essex, Conn.
Tiemann, D. F. & Co., 44 Duane, New York
Toch Bros., 320 5th av, New York
Valentine & Co., 257 B'way, New York
Whittaker, W. H. (Importer & Dealer), 245 Front, New York
Wilhelm, A. Co. (Dry, Pulp & in Oil), Reading, Pa.
Williams, C. K. & Co. (Miners & Exporters), Easton, Pa.
Wiz, Chas. & Co., 188 Reade, New York
Woodhouse, Sam'l F., Unity & Franklin, Phila., Pa.

Coloring (Incandescent Lamp)

Barrett, M. L. & Co., 219 Lake, Chicago, Ill.
Brunner Chemical Works ("Queen"), Cincinnati, O.
Celluloid Zapon Co., Stamford, Conn.
Crescent Co., Valparaiso, Ind.
Egyptian Lacquer Mfg. Co., 152 Front, New York
Pacific Electric Co. ("Inline," "Karsline"), La Cross, Wis.
Signaloid Chemical Works, 129 W 38th, New York

Colors (Steel)

Adler Color & Chemical Works, 100 William, New York
Atlas Mineral & Machine Co., Lincoln, N. J.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Forest City Paint & Varnish Co., Cleveland, O.
National Paint Works, 92 William, New York

Colors & Fillers (Paper Makers')

FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Lucas, John & Co., 314 Race, Phila., Pa.
Tiemann, D. F. & Co., 46 Duane, New York
Williams, C. K. & Co., Easton, Pa.

Column Coverings

A. B. Fireproofing Co. (Inc.), Schiller bldg, Chicago, Ill. Mill & Factory: Chicago Heights, Ill.
Detroit Fireproofing Tile Co. ("Gypsite"), 250 Beecher av, Detroit, Mich.
Federal Clay Mfg. Co., B'way & 23d, New York
Person, O. D., 160 5th av, New York
Washington Iron Works, 419 Pratt, Buffalo, N. Y.

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Columns (Cast Iron)

(See also Firms in Iron, Architectural & Ornamental Marked with a (*) Star)

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)

RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

SMITH, F. P., WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)

SNEAD & CO. IRON WORKS, Jersey City, N. J. (See adv. index, end of book)

Washington Iron Works, 419 Pratt, Buffalo, N. Y.

Columns (Cast Iron Pipe)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

*Columns (Concrete Reinforced)

SMITH, F. P. WIRE & IRON WORKS (Spiral), 100 Lake, Chicago, Ill. (See adv. index, end of book)

TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Columns (Fire Proof)

Alpha Fireproof Column Co., 14th & Henderson, Jersey City, N. J.

American Column Co., 252 Huron, Brooklyn, N. Y.

New York Fireproof Column Co. ("Lally"), 253 B'way, New York

HERCULES

CONCRETE FILLED

FIREPROOF COLUMNS



A Substitute For Brick Piers

SIZES:

3" to 12 1-2" in diameter

ANY LENGTH

PFAFF & KENDALL

Ferry and Foundry Sts.

NEWARK, N. J.

PFAFF & KENDALL ("Hercules" Fireproof), Ferry & Foundry, Newark, N. J. (See adv. index, end of book)

Columns, Porch, Etc. (Mfrs.)

American Column Co., Battle Creek, Mich.

Biggs, B. F. Pump Co., Lafayette, Ind.

Booth Column Co. (Wholesale Mfrs.), Toledo, Ohio

Bossert, Louis & Son (Wholesale Mfrs.), Grand st & Newtown Creek, Brooklyn, N. Y.

Buckeye Churn Co., Sidney, O.

Bush Bros., Royersford, Pa.

Buts, F. J. & Sons, South Bend, Wash.

Chicago Mill Work Supply Co., c 22d & Sangamon, Chicago, Ill.

Colonial Column Co., Detroit, Mich.

Colonial Column Mfg. Co. (Interlocked Lock Joint), 206 B'way, New York

Cream City Sash & Door Co. (For the Trade Only), Milwaukee, Wis.

Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.

Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.

Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.

Cypress Tank & Mfg. Co. (Wholesale Mfrs.), Patterson, La.

Davis, E. J. Mfg. Co., 9 Jackson boul, Chicago, Ill.

Del' Isle, S. G. (Mfrs. Agts.), Hibernia Bank bldg, New Orleans, La.

Detroit Column & Mfg. Co. (Lock Joint), Detroit, Mich.

Dickey, A. & Co. (Piazza, etc., Wholesale), 37 Bristol, Boston, Mass.

Disbrok, M. A. & Co. (Wholesale Mfrs.), Lyons, Ia.

Doane & Jones Lumber Co. (Perfect Joint), Elmira, N. Y.

Eby Mfg. Co., Detroit, Mich.

Falls City Lumber Co. (Of Fir Lumber), Portland, Ore.

Foster, Munger Co. (For the Trade Only), W 20th & Sangamon, Chicago, Ill.

Fuller & Rice Lumber & Mfg. Co., Grand Rapids, Mich.

Furber, Frank O., Saco, Me.

Gauger, Jno. A. & Co. (For the Trade Only), W 22d & Laflin, Chicago, Ill.

Greer-Wilkinson Lumber Co., Oakland, Ind.

Harris & Cole Bros. (Popular Bored), Cedar Falls, Ia., & Columbia, Tenn.

Hartmann-Sanders Co. ("Koll's" Lock Joint), 810 Elston av, Chicago, Ill., & 1125 B'way, New York

Hyde-Murphy Co., Ridgway, Pa.

Jeffersonville Mfg. Co., Jeffersonville, Ind.

Koll, A. J., Los Angeles, Cal.

Lawrence, Newhall, Page & Co. (Wholesale Mfrs.), Augusta, Me.

Leary, J. L., Casar, N. C.

L'Hote Lumber Mfg. Co., Carondelet walk & N Dupre, New Orleans, La.

Libell, Wm. C., 597 Austin av, Chicago, Ill.

McClelland, T. W. Co. (Wholesale Mfrs.), Davenport, Ia.

McMillen, R. Co. (For the Trade Only), Oshkosh, Wis.

Malta Mfg. Co. Wholesale Mfrs.), Malta, O.

Mann, Watson & Co., Muskegon, Mich.

Morgan Co. (For the Trade Only), Oshkosh, Wis.

Nelson, O. T. Co. ("Columns, Balusters, Spindles, etc., for the Trade Only), Columbus, Ohio

New York Fire Proof Column Co. ("Lally," Damp & Fire Proof), 253 B'way, New York

Paine Lumber Co. (For the Trade Only), Oshkosh, Wis., & 1 Madison av, New York

Palmer, Fuller & Co. (Wholesale Mfrs.), 2244 Lumber, Chicago, Ill.

Peirce, W. B. & Co. (Wholesale Mfrs.), Milford, N. H.

PFAFF & KENDALL ("Hercules" Fireproof), Ferry & Foundry, Newark, N. J. (See adv. index, end of book)

Puget Sound Mills & Timber Co., Seattle, Wash

Roberts, E. L. & Co. (For the Trade Only), W. 22d & Union pl, Chicago, Ill.

Roberts, U. N. Co. (Wholesale Mfrs.), Davenport, Ia.

Rockwell Mfg. Co. (For the Trade Only), Milwaukee, Wis.

Sanders, Henry Co. ("Koll's," Lock Joint), 930 Elston av, Chicago, Ill.

Schaller-Hoerr Co., Chicago, Ill.

Schwerd, A. F., Allegheny, Pa.

Seattle Cedar Lumber Mfg. Co., Seattle, Wash.

Spangler, Frank Co. (Tongued & Grooved, Patent Staved), Toledo, O.

STEARNS, A. T. LUMBER CO. (Wholesale Mfrs.), Neponset, Boston, Mass. (See adv. index, end of book)

United States Column Co. ("Lally Patent"), 220 Devonshire, Boston, Mass.

Washington Mfg. Co., Tacoma, Wash.

Weybrecht's, J. T. Sons (Solid & Staved), Alliance, O.

Whatcom Falls Mills Co. (Red Cedar for Trade Only), Bellingham, Wash.

Wheeler, Osgood Co. (Cedar & Fir), Tacoma, Wash.

Wilkinsburg Stair Co., Wilkinsburg, Pa.

Zimmerman, Chas. B., 204 Burnet, Syracuse, N. Y.

Columns (Porch, Pressed Steel)

CINCINNATI WALL TIE CO., 206 E. 5th, Cincinnati, O. (See adv. index, end of book)

Union Metal Mfg. Co., Canton, O.

Columns (Porch, Sheet Metal)

St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.

Columns (Steel Pipe)

Acme Column Co. (Filled with Concrete), 224 N. Henry, Brooklyn, N. Y.

Comealongs or Wire Pullers

(See also Grips, Cable)

B-R Electric & Tel. Mfg. Co. ("Penn," Tightener), Kansas City, Mo.

Burr Mfg. Co., 2108 Superior av, N W, Cleveland, O.

Dicke, C. H. Tool Co. ("Howe"), Downers Grove, Ill.

Eureka Fence Mfg. Co. ("Sedgwick"), Richmond, Ind.

Eureka Tempered Copper Co. ("Parallel," "Westfield"), North East, Pa.

Farr Telephone Construction Supply Co. ("Rowlands"), 118 W Jackson boul, Chicago, Ill.

Irvington Mfg. Co., Irvington, N. J.

Klein, Mathias & Son ("American Grip," "Haven's," "Landee's," "Chicago Grip"), 87 Van Buren, Chicago, Ill.

Locke Insulator Mfg. Co., Victor, N. Y.

Nagel, W. G. Elec. Co., Toledo, O.

Never Slip Wire Stretcher & Novelty Co., West Farmington, O.

Rittenhouse Co. (Wire Stretcher), Scranton, Pa.

Sawyer' C. L. ("Hercules" Wire Stretcher), Millers Falls, Mass.

Western Electric Co. ("Buffalo Grip"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Commutator Building & Refilling

(See Armature Rewinding, & Commutator Refilling)

Commutator Copper

(See Copper for Commutator Bars)

Commutator Dressing

(See Compounds, Commutator)

Commutator Refilling

(See Commutators)

(Also Armature Rewinding & Commutator Refilling)

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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Commutator Segments

(See Bars, Commutator)

Commutator Truing Device

Bryant-Bery Steam Turbine Co., Detroit, Mich.
Fort Wayne Electric Works, Fort Wayne, Ind.
Imperial Electric Co. ("Carr"), Akron, O.
Jordan Bros., 74 Beekman, New York
Patterson Tool & Supply Co., Dayton, O.
Tschudi-McBarron Machine Co. ("Excelsior"), Dayton, O.

Commutators

(See also (Bars, Commutator)

American General Engineering Co. ("A-G-E"), 253 B'way, New York
Cameron, H. B. Elec. Co., Ansonia, Conn.
Cleveland Armature Works, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., 389 Chestnut, Brooklyn, N. Y.
Doubleday-Hill Elec. Co., Pittsburg, Pa.
Eureka Tempered Copper Works, North East,
Horner Commutator Co., Cleveland, O. Pa.
Ridlon, Frank Co., Boston, Mass.
VAN DORN ELEC. & MFG. CO., 2694 E. 79th, Cleveland, O. (See adv. index, end of book)
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Woolley Electric Co., St. Louis, Mo.

Commutators (Gas Engine)

Crouse-Hinds Co., Syracuse, N. Y.

Compasses

(See also Dividers)

Ainsworth, Wm., & Sons, Denver, Colo.
Bliss, J. & Co., 128 Front, New York
Deitsen, Eugene, Co. ("Economy" Beam), 181 Monroe, Chicago, Ill.
Gurley, W. & L. E., Troy, New York
Johnson, Wm. (Hedenberg Works), Newark, N. Y.
Kraenter & Co., 577 18th av, Newark, N. J.
McAllister, T. H., 49 Nassau, New York
Merrill's R. Sons, 66 South, New York
Negus, T. S. & J. D., 140 Water, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Pfister, Herm, 428 Plum, Cincinnati, O.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Ritchie, E. S. & Sons. Brookline, Mass.

SOLTMANN.E.G.

(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Starrett, L. S. Co., Athol. Mass.
Taylor Instrument Co., Rochester, N. Y.
Tower & Lyon Co., 95 Chambers, New York

*Compo Board (Fireproof)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

*Compo Board (Waterproof Surface)

NORTHWESTERN COMPO BOARD Co., Minneapolis, Minn. (See adv. index, end of book)

SOLTMANN.E.G.

4x8 to 4x16 ft. surface. Useful in Every Frame Building), 125 E 42d, New York. (See adv. index, end of book)

*Composite Boards

SOLTMANN.E.G.

(Made in Extra Large Sizes up to 7½ x 14 ft.), 125 E 42d, New York. (See adv. index, end of book)

*Composition Board

BEAVER MFG. CO., Buffalo, N. Y. (See adv. index, end of book)



Compounds (Brazing)

(See also Compounds, Welding)

American Ferrofix Co., New York City
DIXON, JOS., CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Ferrofix Brazing Co., of Phila., 2026 Cuthbert, Phila., Pa.
Hauck Manufacturing Co., 140 Cedar, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Krembs & Co. ("Fluxine"), Chicago, Ill.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
Oldham, Joshua, & Son ("Oldham"), 128 26th, Brooklyn, N. Y.
Reece, J. A. ("Woltz"), Washington, D. C.
Standard Brazing Co. (Inc.), Board of Trade Bldg., Boston, Mass.
Universal Fluxine Co. ("Universal Fluxine"), Urbana, O.
Welderine Mfg. Co., Topeka, Kan.

Compounds (Cable)

Dielectric Mfg. Co. ("Dielectric," for Potheads, etc.), 74 Cortlandt, New York

Compounds (Case Hardening & Tempering)

Altemus, W. F. & Co. ("Diamond" Tool Hardening & Tempering Compound), Hartford, Conn.
American Cyanamid Co. (Terrodur & Cyanamid), 160 B'way, New York
Binney & Smith Co., 81 Fulton, New York
Houghton, E. F. & Co. ("Houghton's" Case Hardening, Hydro-Carbonated Bone Black for Tempering "Houghton's" Tempering Oil), 240 W. Somerset, Phila., Pa.
Metal Hardening Solution Co. ("Kalux"), Rochester, N. Y.
Mosso, C. A. (Tool Hardening & Tempering), 39 Seeley av., Chicago, Ill.
National Patent Holding Co., Railway Exch bldg, Chicago, Ill.
Ohio Nut & Bolt Co. (Annealing), Berea, O.
Rogers & Hubbard Co. ("Hubbard's" Granulated & Parneacha Raw Bone for Case Hardening, etc.), Middletown, Conn.
Techno-Chemical Co. ("Techno"), Cleveland, Ohio

Compounds (Clutch or Brake)

Victor Clutch Compound Co. ("Victor" for Clutches, Brakes, Belts or Friction Drives), Nashua, N. H.

Compounds (Commutator)

Allen, L. B. Co. ("Allen"), Monadnock bldg, Chicago, Ill.
Chicago Solder Co., 44 N Union, Chicago, Ill.
Corliss Chemical Co., St. Louis, Mo.
Crescent Co., Valparaiso, Ind.
Crown Woven Wire Brush Co., Salem, Mass.
DIXON, JOS. CRUCIBLE CO. (Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
DuPerow Electric Co. ("Deco"), Washington, D. C.
Dyno & Chemical Mfg. Co., Aurora, Ill.
Electrical & Mechanical Development Co. ("Hickley's Hiko"), Asbury Park, N. J.
Fres-Ko Chemical Co., Fort Wayne, Ind.
Goldmark, Jas. ("Trotters"), 83 Warren, New York
Hart & Co. ("Red Cross"), Fostoria, O.
Le Valley Vitae Carbon Brush Co. ("Gold Metal"), 405 E Tremont av, New York
McLaughlin, K. & Co., Chicago. Ill.
McLennan Paint Co. ("Gale's"), 192 E Kensie, Chicago, Ill.
Nagel, W. G. Elec. Co. ("Eclipse"), Toledo, O.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Pettingell, Andrews Co. ("Old Colony"), Boston, Mass.
Slusser Bros., Charleston, W Va.
WALSH, JNO. F. CO. ("K. & W.," "Anti-Spark"), Pittsfield, Mass. (See adv. index, end of book)
Warren Lubricant Co., Warren, Pa.
Yankee Commutor Compound Co., 516 W 25th, New York

Compounds (Core)

Buckeye Milling Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Holland Linseed Oil Co. ("Holland" Liquid), 635 Austin av., Chicago, Ill.
Miller's Products Co. ("Black Diamond"), 39th & Wallace, Chicago, Ill.
Mills, H. E., Mfg. Co. ("Mills"), Syracuse, N. Y.
National Jeloluse Co., 547 W 43d, New York
Obermayer S., Co. ("Kantbebeat" Dry), Cincinnati, O.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Sterling Oil Co. ("Sterling" Core Oil), Emlenton, Pa.

Compounds (Damp Resisting)

(See Waterproofing Materials)

Compounds (Drilling)

Lewis Drilling Compound Co., Sauquoit, N.Y.
White & Bagley Co., Worcester, Mass.

Compounds (Dust Laying)

(Dust Laying for Concrete & Cement Floors, See Floor Oils, Dust Absorbed)

Barrett Mfg. Co. ("Tarvia"), for Macadam & Gravel Roads), 17 Battery pl, New York
Good Roads Improvement Co. ("Asphaltolene" for Macadam & Gravel Roads), First Nat'l Bank bldg, Cincinnati, O.
Gulf Refining Co. (Heavy Oil of Asphaltum Base for Oiling Roads), Pittsburg, Pa.
Imperial Road Co. ("Imperial" for Macadam & Gravel Roads), Times bldg., New York
INDIAN REFINING CO. (For Macadam & Gravel Roads), Cincinnati, O. (See adv. index, end of book)
Wadsworth Stone & Paving Co. ("Kentuck" Rock Asphalt for Macadam & Gravel Roads), Pittsburg, Pa.

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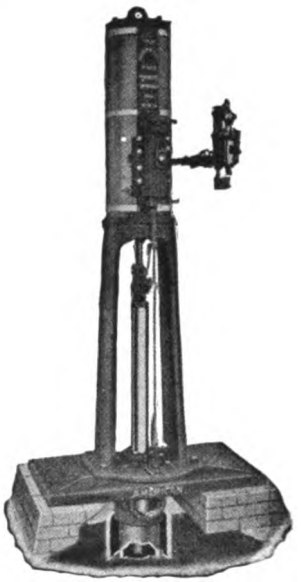
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Two-fifths of a century of collaboration between engineers in the field, in nearly every part of the world, and our engineers in the office, in improving, simplifying and perfecting every detail, has developed the "American" machines to a degree of excellence that they represent the standard of their respective types.—Every possible betterment has already been made.

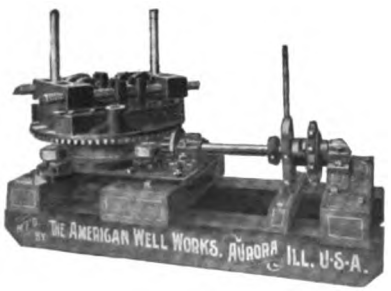
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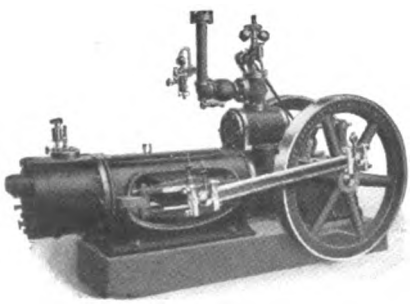


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Salt Lake Hardware Co.

DENVER, COLO.
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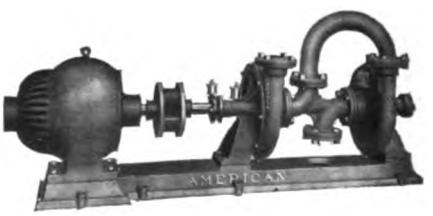
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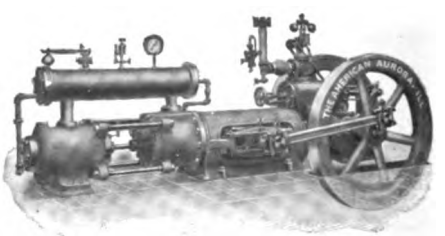
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Schade, Albert, 627 Cherry, Phila., Pa.
Zorn, O. F. Co. ("Oleaqua," Hydraulic), Broad & Lehigh, Phila., Pa.

Compounds (Flexible)

Flexible Compound Co. (Waterproof for Coating Iron & Steel), 3607 Haveford av. Philadelphia, Pa

Compounds (Grinding)

Hammett, M. C. ("Trojan"), Troy, N. Y.

Compounds (Impregnating)

Sherwin-Williams Co. ("Ajax"), Cleveland, Ohio

Compounds (Lamp Coloring & Frosting)

Brunner Chemical Works ("Queen"), 17 E 3d, Cincinnati, O.

Compounds (Motor Chain)

Climax Refining Co., Williamson bldg, Cleveland, O.
DIXON, JOS. CRUCIBLE CO. ("Dixon's," for Transmission Chains), Jersey City, N. J. (See adv. index & branch offices, end of book)

Compounds (Parting)

Brooklyn Facing Mills, 1105 Metropolitan av., Brooklyn, N. Y.
DOGGETT, STANLEY ("Doggett's Perfection"), 101 Beekman, New York. (See adv. index, end of book)
Foundry Specialty Co. ("Partine"), Cincinnati, Ohio
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Mills, H. E. Mfg. Co., Syracuse, N. Y.
Partimol Co. (Molds), 415 B'way, New York
Paxson, J. W., Co., 1021 N. Delaware av., Philadelphia, Pa.
Swoboda, L. J. ("Lycopart" for Parting Molds), 78 Warren, New York

Compounds (Pipe Joint)

(See also Cements, Pipe Joint)
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
Edgecombe Co. ("Red Cross" No-Leak), Cuyahoga Falls, O.
Tripp, Allen H. Co. ("Tripp's"), 118 Michigan av, Chicago, Ill.
United States Graphite Co., Saginaw, Mich.

Compounds (Splicing)

Massachusetts Chemical Co., Walpole, Mass.

Compounds (Waterproofing)

(See Waterproofing Materials)

Compounds (Welding)

(See also Compounds, Brazing)
Cortland Welding Compound Co. ("Climax" & "Borax-Ettee"), Cortland, N. Y.
Perfection Welding Compound Co. ("Perfection"), Scranton, Pa.
Techno-Chemical Co. ("Techno"), Cleveland, Ohio

Compression Work

(See Cocks & Bibbs, Compression)

Compressors (Air)

ALABAMA.

BIRMINGHAM—Hardie-Tynes Mfg. Co.
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 1018 Morris av. (See adv. index, end of book)

CALIFORNIA.

LOS ANGELES—INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 164 N Los Angeles. (See adv. index, end of book)
SAN FRANCISCO—Compressed Air Machinery Co. ("Giant"), Jesse & Ecker
Doble, Abner Co.
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 310 Market. (See adv. index, end of book)
Hendy, Joshua Iron Works
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 110 Fremont. (See adv. index, end of book)
Risdon Iron Works, Steuart, c Folsom
Rix Compressed Air & Drill Co., 371 Market

COLORADO.

DENVER—FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 1600 17th. (See adv. index, end of book)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 1718 California. (See adv. index, end of book)
JEFFREY MFG. CO., Equitable bldg. (See adv. index, end of book)
Stearns-Roger Mfg. Co., 1718 California
LITTLETON—Leyner, J. Geo. Engineering Works Co. ("Leyner" Belt, Steam, Electric, Water Power, etc.)

CONNECTICUT.

SOUTH NORWALK—NORWALK IRON Works Co. (Air & Gas Compressors). (See adv. index, end of book)

ILLINOIS.

AURORA—AMERICAN WELL WORKS. (See adv. index, end of book)
CHICAGO — Chicago Pneumatic Tool Co. ("Franklin"), Fisher bldg
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), Wabash av. & Eldredge pl. (See adv. index, end of book)
Fisher, A. J. Plumbing Co., 1606 Lincoln av
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), Old Colony bldg. (See adv. index, end of book)
JEFFREY MFG. CO. (See adv. index, end of book)
Kroschell Bros. Ice Machine Co., 31 Erie
Sullivan Machinery Co. (Duplex, Corliss & Straight Line), Railway Exch bldg
United Pump & Power Co., Old Colony bldg
Victor Electric Co. (For Cleaning Switchboards, etc.), 61 Market
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
QUINCY—GARDNER GOVERNOR CO. (Belt & Motor Driven & Steam Actuated.) (See adv. index, end of book)

INDIANA.

CONNERSVILLE—Roots, P. H. & F. M. Co.
INDIANAPOLIS — Dean Bros. Steam Pump Works, 323 W 10th
FAIRBANKS, MORSE & CO. ("Air, Gasoline & Steam). (See adv. index, end of book)
Spacke, F. W. Machine Co. (Belt or Motor Driven, 1 to 100 ft per minute)

KENTUCKY.

LOUISVILLE—FAIRBANKS, MORSE & Co. (Air, Gasoline & Steam), 519 Main. (See adv. index, end of book)
National Foundry & Machine Co.

MARYLAND.

BALTIMORE—MARYLAND EQUIPMENT & Supply Co., Calvert & Fayette. (See adv. index, end of book)

MASSACHUSETTS.

BOSTON—INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 77 Oliver. (See adv. index, end of book)

MICHIGAN.

BATTLE CREEK—American Steam Pump Co. ("American" Belted)
Union Steam Pump Co.
DETROIT — Chicago Pneumatic Tool Co. ("Franklin"), 2d & Amsterdam
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 89 Jefferson. (See adv. index, end of book)
Great Lakes Engineering Works (Vertical Compound, High Duty)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven). (See adv. index, end of book)

MINNESOTA.

MINNEAPOLIS—FAIRBANKS, MORSE & Co. (Air, Gasoline & Steam), 220 Nicollet av. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINery Co. (See adv. index, end of book)
ST. PAUL — Chicago Pneumatic Tool Co. ("Franklin"), Pioneer Press bldg
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 234 E 3d. (See adv. index, end of book)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 4th & Wacouta. (See adv. index, end of book)

MISSOURI.

KANSAS CITY—FAIRBANKS, MORSE & Co. (Air, Gasoline & Steam), 1217 Union av. (See adv. index, end of book)
ST. LOUIS—Curtis & Co. Mfg. Co. (Automatic Vertical Type, Belt & Electric Driven)
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 8th & Clark av. (See adv. index, end of book)
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St. Louis Steam Engine Co. (50 to 100 lbs.), 16 S Commercial

MONTANA.

BUTTE—INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 300 Main. (See adv. index, end of book)

NEW HAMPSHIRE.

CLAREMONT—Sullivan Machinery Co. (Duplex, Corliss & Straight Line)

NEW YORK.

BUFFALO—Buffalo Foundry & Machine Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—American Air Compressor Works, Van Brunt & Summit
Crowell, Gilmer ("Crowell"), 296 Taaffe pl.
Davidson, M. T., 43 Keap
Foster Pump Works, 90 Bridge
Guild & Garrison, Kent av c S 10th

Boroughs of Manhattan & Bronx.

NEW YORK—American Air Compressor Works, 26 Cortlandt
AMERICAN WELL WORKS, 2 Stone. (See adv. index, end of book)
Cameron, A. S., Steam Pump Works, ft. of 23rd
CLAYTON AIR COMPRESSOR Works, 115 B'way. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam), 133 Liberty. (See adv. index, end of book)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 11 B'way. (See adv. index, end of book)
JEFFREY MFG. CO., 77 Warren. (See adv. index, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way. (See adv. index, end of book)
McKiernan Drill Co., 115 B'way
Manning, Maxwell & Moore (Belt Driven, etc.), 85 Liberty
Niles-Bement-Pond Co. (Belt Driven, etc.), 111 B'way
PLATT IRON WORKS CO., 100 B'way. (See adv. index, end of book)

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Roteng Engineering Corporation, 20 Vesey
Sullivan Machinery Co. (Duplex, Corliss & Straight Line), 42 B'way

(End of New York City)

SCHENECTADY—GENERAL ELECTRIC Co. (Electric). (See adv. index, end of book)

TROY—Sturgess Engineering Dept. of Ludlow Valve Mfg. Co. ("Sturgess" High Speed, Especially Designed for Cleaning Generators, etc.)

OHIO.

CINCINNATI — FAIRBANKS, MORSE & Co. (Air, Gasoline & Steam), 307 Walnut. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way. (See adv. index, end of book)
McGowan, John H., Co.

CLEVELAND—FAIRBANKS, MORSE & Co. (Air Gasoline & Steam), 99 Water. (See adv. index, end of book)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), Williamson bldg. (See adv. index, end of book)

COLUMBUS -- JEFFREY MFG. CO. (See adv. index, end of book)
Weinman Machine Works (Small)

DAYTON—PLATT IRON WORKS CO. (See adv. index, end of book)

ST. MARYS—Hesler Co. (High Duty).

SALEM—DEMING CO. (See adv. index, end of book)

UPPER SANDUSKY — National Steam Pump Co. ("National")

PENNSYLVANIA.

ALLEGHENY—Hall Steam Pump Co.
BRADFORD — Blaisdell Machinery Co. (All
CHESTER—Wetherhill R. & Co. Types)
ERIE—Bury Compressor Co. (Steam, Belt & Electrically Driven)
FRANKLIN—Chicago Pneumatic Tool Co.
OIL CITY—Riverside Engine Co.

PHILADELPHIA — DALLETT, THOS. H. Co., 2300 York. (See adv. index, end of book)
INGERSOLL - RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven). Arcade bldg. (See adv. index, end of book)
Southwark Foundry & Machine Co., 5th, c Cass av
Underwood, H. B. & Co. (Compound Tandem Belt), 1027 Hamilton

PITTSBURG — INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), Farmers' Bank bldg. (See adv. index, end of book)
JEFFREY MFG. CO. (See adv. index, end of book)
Mesta Machine Co., Lewis bldg.
WESTINGHOUSE AIR BRAKE CO., The (Steam Driven)
WESTINGHOUSE MACHINE CO. (Turbine Type), Westinghouse bldg. (See adv. index, end of book)
WESTINGHOUSE TRACTION Brake Co. (Motor Driven)
Wilson-Snyder Mfg. Co., Ross & Water

PORT CARBON—Franklin Iron Works

SCRANTON — ALLIS-CHALMERS CO. ("Reynolds" Belted Steam, etc.). (See adv. index, end of book)

WARREN—Jacobson Machine Mfg. Co.
WILKES-BARRE—Vulcan Iron Works

RHODE ISLAND.

PROVIDENCE—Builders' Iron Foundry
General Fire Extinguisher Co.

TEXAS.

DALLAS—AMERICAN WELL WORKS, (See adv. index, end of book)

EL PASO—INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss & Steam Driven), 121 San Francisco. (See adv. index, end of book)

WASHINGTON.

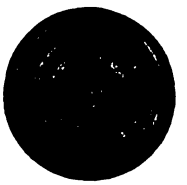
SEATTLE—INGERSOLL-RAND CO. (of New York) (Steam, Belt, Electric, Corliss & Steam Driven). (See adv. index, end of book)

SPOKANE—FAIRBANKS, MORSE & CO. (Air, Gasoline & Steam) (See adv. index, end of book)

WISCONSIN.

CORLISS—Wisconsin Engine Co.

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Automatic controlling devices for electrically operated air-compressors—THE CUTLER-HAMMER MFG. CO. Milwaukee, Wis.

Lauson, C. P. & J. Co. ("Christensen" Stationary)
National Brake & Electric Co. (Portable & Stationary, Direct Current Motor Driven, Capacity up to 50 ft)
Nordberg Mfg. Co.

Compressors (Air, Portable)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
MacLeod, Walter & Co. (Motor Driven, etc.). Cincinnati, O.

*Compressors (Air, Second-Hand)

SHAW, WILLIS, CO., 171 La Salle Chicago, Ill. (See adv. index, end of book)

Compressors (Ammonia)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO. (Gas), 115 B'way, New York. (See adv. index & branch offices, end of book)
CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
Creamery Package Mfg. Co., 182 E Kenzie, Chicago, Ill
Great Lakes Engineering Works, Detroit, Mich.
Guild & Garrison, Kent av c S 10th, Brooklyn, N. Y.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS (Gas), 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW - DUNN - GORDON CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)

Compressors (Corliss)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
INGERSOLL - RAND CO. (Steam Driven), 11 B'way, New York. (See adv. index & branch offices, end of book)

Compressors (Corn Shock)

Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill
Tie Co., Unadilla, N. Y.

*Compressors (Garage)

GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)

Compressors (Gas)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Blaisdell Machinery Co., Bradford, Pa.
BLAKE, GEO. F. MFG. CO. (Ammonia, Carbonic Acid), 115 B'way, New York. (See adv. index & branch offices, end of book)
Bury Compressor Co., Erie, Pa.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS (For Acetylene, Carbonic Acid, Coal, Natural & Oxygen Gas), 115 B'way, New York. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Hartford Engine Works, Hartford, Conn.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
International Steam Pump Co., 115 B'way, New York
KNOWLES STEAM PUMP WORKS (Ammonia, Carbonic Acid), 115 B'way, New York. (See adv. index & branch offices, end of book)
Kroeschell Bros. Co., 55 Erie, Chicago, Ill.
LAIDLAW-DUNN-GORDON CO. (For Acetylene, Carbonic Acid, Coal, Natural & Oxygen Gas), 115 B'way, New York. (See adv. index & branch offices, end of book)
Lane & Bodley Co. (& Air), Cincinnati, O.
Leyner, J. G. Eng'r Works Co., Littleton, Colo.
Nordberg Mfg. Co., Milwaukee, Wis.
NORWALK IRON WORKS CO., South Norwalk, Conn. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Riverside Engine Co., Oil City, Pa.
St. Louis Steam Engine Co., St. Louis, Mo.
Wisconsin Engine Co., Corliss, Wis.
Young, E. R. & Sons, Titusville, Pa.

Compressors (Gasoline)

Curtis & Co. Mfg. Co. (Portable on Truck, etc., Gasoline Driven), St. Louis, Mo.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

*Compressors (Hydraulic, for Web or T Rails, Etc.)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k. bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Compressors (Water Jet Air)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

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Beer, Sondheimer & Co., 42 B'way, New York
Mountain Copper Co., San Francisco, Cal.
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Concentrating Plants

(See Concentrators, Ore)

Concentrators (Ammonia)

Gas Machinery Co., Cleveland, Ohio.
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
Michigan Ammonia Works, Detroit, Mich.

Concentrators (Ore)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co., Joplin, Mo.
American Engineering & Reduction Co. ("Lane," Pneumatic), Claxton bldg., Cleveland, O.
Behrend Dry Concentrator Co. ("Behrend System"), 10 Wall, New York
Bryant, W. G., Carterville, Mo.
Chalmers & Williams, Commercial Nat'l B'k. Bldg., Chicago, Ill.
Colorado Iron Works Co. ("Bartlett"), Denver, Col.
Cresson, Geo. V. Co., Allegheny av W of 17th, Phila., Pa.
Davis, F. M. Iron Works Co., 8th & Larimer, Denver, Col.
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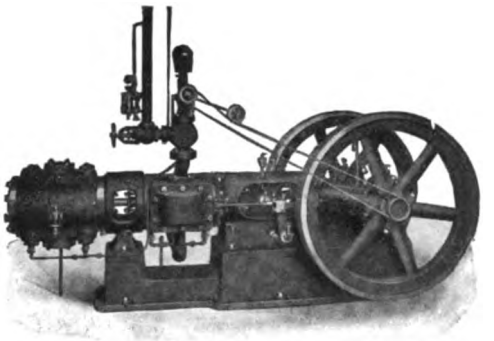
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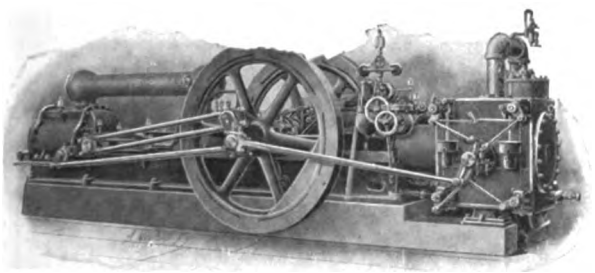


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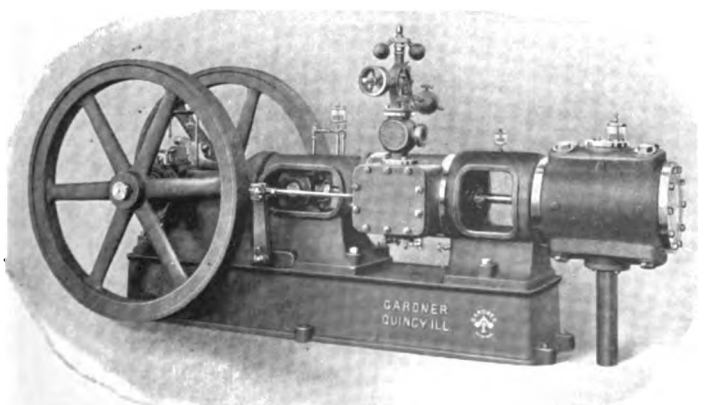
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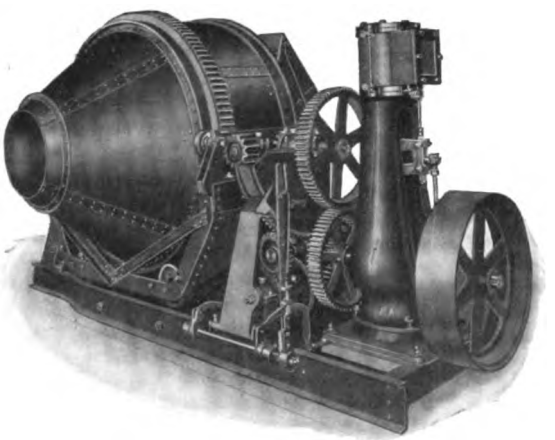
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Knoxville Foundry & Machine Co. (For Low Crude Oil), Knoxville, Tenn.
Krogh Mfg. Co., 9 Stevenson, San Francisco, Cal.
Krom Machine Works ("Krom" Universal Dry Ore), 170 B'way, New York; Works, Jersey City, N. J.
Llewellyn Iron Works, Los Angeles, Cal.
McCabe, P. B. & Co. (New Standard), Los Angeles, Cal.
Mecklenburg Iron Works, Charlotte, N. C.
Mill & Smelter Engineering Co., 114 Liberty, New York
Mine & Smelter Supply Co. ("The Wilfrey"), Denver, Col.
National Ore Concentration Co., First National Bank Bldg, Chicago, Ill.
New Century Mill & Reduction Co. (Inc.), Los Angeles, Cal.
New Standard Concentrator Co., Los Angeles, Cal.
ORE DRESSING MACHINERY CO. ("Henning"), 114-118 Liberty, New York
Portage Lake Foundry & Machinery Co., Hancock, Mich.
Power & Mining Machinery Co., Cudahy, Wis.
Risdon Iron & Locomotive Works ("The Johnston"), San Francisco, Cal.
Salt Lake Engineering Works, Salt Lake City, Utah
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Stearns-Rogers Mfg. Co., 1718 California, Denver, Col.
Suttons, Steele & Steele (Inc.) ("S. S. & S."), Dallas, Tex.
Traylor Engineering Co., Allentown, Pa.
Union Iron Works Co., San Francisco, Cal.
United Iron Works Co. (Complete Plans for Lead & Zinc Ores, etc.), Springfield, Mo.
Van Drake-Olsen Machine Works, 808 Mission, San Francisco, Cal
Webb City & Carthage Foundry & Machine Works, Webb City, Mo.
Woodbury, Geo. E. ("New Woodbury"), 238 Townsend, San Francisco, Cal.

*Concentrators (Overstrom)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Concentrators (Surface Heating)

Bethlehem Foundry & Machine Co. ("Broome," for Chemical Works), Front, South Bethlehem, Pa.

Concrete Binder

Cargill Mfg. Co., Buttles av., Columbus, O.
Consolidated Expanded Metal Co.'s, Keenan bldg, Pittsburg, Pa.
Corrugated Bar Co., Nat'l Bank of Commerce bldg, St. Louis, Mo.
Eastern Expanded Metal Co., 101 Tremont, Boston, Mass
Expanded Metal Engineering Co., 225 5th av, New York
Expanded Metal Fireproofing Co., of Pittsburg, 541 Wood, Pittsburg, Pa.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
SMITH, F. P., WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book.)
Southern Expanded Metal Co., Colorado bldg, Washington, D. C.
TRUSS METAL LATH CO. (Kuhne's System of Reinforced Concrete), 147 4th av, New York. (See adv. index, end of book)

*Concrete (Bond)

RANSOME CONCRETE MACHINERY Co. ("Ransomite"), Dunellen, N. J. (See adv. index & branch offices, end of book)

*Concrete Chimneys

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Concrete Construction

(See Concrete Steel Construction, Reinforced)

Concrete Curb (Steel Bound)

Concrete Edge Protector Co., McGraw bldg, Detroit, Mich.
Steel Protected Concrete Co. ("The Wainwright"), Real Estate Trust bldg, Phila., Pa.

Concrete Floors & Arches

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American Concrete Steel Co., Union bldg, Newark, N. J.
American System of Reinforcing, 35 W 23d, New York
Blome, R. S. Co., Unity bldg, Chicago, Ill.
Cargill Mfg. Co. "International System," Buttles av., Columbus, O.
Gollick & Smith, 162 E 23d, New York
Klotz, A. E. Fireproofing Co., 137th & Madison av, New York
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Monsted, A. & Co. ("Ransome" System), Milwaukee, Wis.
National Concrete Fire-Proofing Co., Williamson bldg, Cleveland, O.
Ransome Construction Co., Oakland, Cal.
Reinforced Cement Construction Co., 1 Madison av, New York
Standard Concrete Steel Co., 418 E 31st, New York
Steel Concrete Construction Co. ("Ransome" System), Albany, N. Y.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
Turner Construction Co. ("Ransome" System), 11 B'way, New York
Union Construction & Water-Proofing Co., 1133 B'way, New York
Vulcanite Paving Co. ("Bromley" System), Land Title bldg, Phila., Pa.
Wight-Easton-Townsend Co., 554 W 45th, New York

Concrete Foundations

(See Bridge Foundations)

*Concrete Houses (Sanitary)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Concrete Mixers

AMERICAN CONCRETE CO., (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
Anderson, W. H. Tool & Supply Co. ("Anderson" Portable on Wheels), 14 Macomb, Detroit, Mich.
Ashland Steel Range & Mfg. Co. ("United States Standard"), Ashland, O.
Ballou Mfg. Co. ("Demorest," "Little Giant"), Belding, Mich.
BARTLETT, C. O. & SNOW CO. French st., Cleveland, O. (See adv. index, end of book)
Buckeye Engine & Foundry Co. ("Buckeye"), Joliet, Ill.
Buffalo Concrete Mixer Co. (Automatic), Buffalo, N. Y.
Burrell Mfg. Co. ("X-L-All," Traction), Bradley, Ill.
Byers, John F. Machine Co., Ravena, O.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill
Cargill Mfg. Co. ("American"), Columbus, O.
CARLIN'S, THOS. SONS CO. (Stationary Cube, Portable), 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Cement Machinery Co. ("Systematic"), Jackson, Mich.
Cement Machinery Co. ("Systematic"), Plain City, O.
Cement Tile Machinery Co. ("Perfection"), Waterloo, Iowa
CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)
Century Cement Machine Co. ("Hercules" Continuous), Rochester, N. Y.
Chain Belt Co. ("Chain Belt"), Milwaukee, Wis.
Chambers Bros. Co., 52d, bel. Lancaster av, Phila., Pa.
Chicago Concrete Machinery Co. ("Chicago"), 20 S Canal, Chicago, Ill.
Clover Leaf Machine Co. ("Clover Leaf"), South Bend, Ind
Clyde Iron Works ("Campbell" Ball Bearing, Dumps Automatically), Duluth, Minn.
Cockburn Barrow & Machine Co., 240 11th, Jersey City, N. J.
Colorado Concrete Mixer Co. ("Colorado"), Denver, Colo.
Columbus Foundry & Machine Co., Columbus, O.
Cook Mfg. Co., Albion, Mich.
Cropp Concrete Machinery Co. ("Cropp"), 84 La Salle, Chicago, Ill.
Drake Standard Machine Works, 298 W Jackson boul, Chicago, Ill.
Dykema Co. ("Dykema"), Grand Rapids, Mich.
Edmondson Concrete Machinery Co. ("Peerless" Hand Mixer), South Bend, Ind.
Eureka Machine Co. ("Eureka"), Lansing, Mich.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fillmore Machinery Co. ("Fillmore"), Cincinnati, O.
Foote Mfg. Co. ("Foote"), Nunda, N. Y.
Fulton, R. B. (Portable), Red Cloud, Neb.
Hains Concrete Mixer Co. ("Hains" Automatic & "20th Century"), 1416 F, N W, Washington, D. C.
Hartwick Machinery Co. ("Scheiffler"), Jackson, Mich.
Holton & Weatherwax Co. (Ltd.), Jackson, Mich.
Hough, Wm. B. Co. (Non-Tilting), Monadnock blk, Chicago, Ill.
Interstate Engineering Co., Bedford, O.
Iroquois Iron Works, Buffalo, N. Y.
Jaeger Machine Co. ("Positive"), Columbus, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kent Machine Co. ("Kent," Continuous), Kent, Ohio
Keystone Engineering Co. ("Hadsel"), Wilkes-Barre, Pa.
Kingston Mfg. Co. ("Hadsel"), Wilkes-Barre, Pa.
Knickerbocker Co. ("Coltrin"), Jackson, Mich.
KOEHRING MACHINE CO. ("Koehring"), Milwaukee, Wis. (See adv. index, end of book)
Link Belt Co. ("Trump" Measuring & Mixing Machines), W 39th, c Stewart av, Chicago, Ill., & 299 B'way, New York
Louisville Machine Co., Louisville, O.
Lowry, O. C. ("K. & L." Concrete & Mortar Mixer), Randolph & Larned, Detroit, Mich.
Mackay, A. D. & Co. ("Victor"), 100 Washington, Chicago, Ill.
MARSH CO. ("Marsh" Batch Mixers; Also "Marsh" Batch Non-Tilting Mixer), Old Colony bldg., Chicago, Ill. & 50 Church, New York. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Miracle Pressed Stone Co. ("Miracle" Continuous), Minneapolis, Minn.
Municipal Engineering & Contracting Co. ("Chicago" Cube), Railway Exchange bldg, Chicago, Ill.
National Concrete Machinery Co. ("National"), 188 Madison, Chicago, Ill.
New York Concrete Machinery & Supply Co. (Eastern Agents for the "Chicago"), 78 Murray, New York
Noble Concrete Machine Co. ("Noble"), Fostoria, O.
Nodamp Machinery Co. ("Ames" Cube), Minneapolis, Minn.
Ohio Ceramic Engineering Co. ("McKelvey"), Cleveland, O.
Phillips, Wm. H. Cement Stone Co. ("Phillips" Continuous), Columbus, O.
Queen City Brick Machine Co., Traverse City, Mich.
RANSOME CONCRETE MACHINERY Co. (Hand Power & Gravity), Dunellen, N. J. (See adv. index & branch offices, end of book)
Runyon Concrete Machinery Co. (Combination Screen & Mixer), Canal Dover, O.
Sarnson Machinery Co. (Hand Power), 806 N Chestnut, St. Louis, Mo.
SHAW, WILLIS CO. (New & Second Hand), 117 La Salle, Chicago, Ill. (See adv. index, end of book)
SMITH, T. L., CO., THE ("Smith"), Majestic Bldg., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Snell, R. Z. Mfg. Co. ("Snell" Hand & Power), South Bend, Ind.
South Bend Machine Mfg. Co. ("Standard"), South Bend, Ind.
Square Deal Concrete Mixer Co. ("Square Deal"), Mount Clemens, Mich.
Standard Machine Co. ("Standard" Continuous), Kent, O.

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Standard Sand & Machine Co. (Batch & Continuous Mixers), 5157 St. Clair, Cleveland, O.
Standard Scale & Supply Co. ("Eclipse"), Pittsburg, Pa.)
Svenson-Shuman Machine Co. ("Svenson"), Pittsburg, Pa.
Teal, Chas. A. (For Ready Mixed Mortar), 1861 Ridge av, Phila., Pa.
U. S. Concrete Machine Co., ("Grant"), Detroit, Mich.
Universal Road Machinery Co., 120 Liberty, New York
Wallace-Lindesmith Hoist Co., Los Angeles, Cal.
Waterloo Cement Machinery Co. ("Polygon"), Waterloo, Ia.
Wilcox, W. H. Co. ("Foote"), Binghamton, N.Y.

*Concrete Mixers for Export

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

*Concrete Piles

AMERICAN CONCRETE CO. (Concrete, Sheet & Interlocking Piling), 80 William, New York. (See adv. index, end of book)
AMERICAN STEEL & WIRE CO. (Triangular Mesh), Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Concrete Reinforcing Materials

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
AMERICAN ROLLING MILL CO. ("Kuhne's" Truss & Clincher Lath), Middletown, O. (See adv. index, end of book)
American Sheet & Tin Plate Co. (Steel), Frick Bldg., Pittsburg, Pa.
AMERICAN STEEL & WIRE CO. (Steel Reinforcement), Com. Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American System of Reinforcing ("American" Systems of Rods & Wire Fabric), 189 La Salle, Chicago, Ill.
American System of Reinforcing ("Unit"), 35 W 23d, New York
American Wire Fence Co. (Wire Fibre & High Carbon Rods, Round & Twisted Shapes), 180 La Salle, Chicago, Ill.
Atlanta Steel Co. (Plain or Twisted Bars), Atlanta, Ga.
BERGER MFG. CO., THE ("Ferro-Lithic" Plates for Interlocking of Concrete), Canton, O. (See adv. index & branch offices, end of book)
BOSTWICK STEEL LATH CO., Niles, O. (See adv. index, end of book)
Bourne-Fuller Co., Cleveland, O.
Brayton Engineering Co. ("Brayton" System), St. Paul, Minn.
BROWN HOISTING MACHINERY CO. ("Ferroinclave"), Cleveland, O. (See adv. index & branch offices, end of book)
Buffalo Steel Co. (High Carbon Steel Twisted Bars, Plain Bars, Rounds, Squares, Flats), Tonawanda, N. Y.
Calumet Steel Co. (Steel Bars & Shapes, Plain & Twisted Squares), Com. B'k bldg, Chicago, Ill.; Works: Washington Heights, Ill.
Cambria Steel Co. (Twisted Steel Bars), Arcade bldg., Phila., Pa.
Cargill Mfg. Co. (Steel Wire Fabric & Cables), Columbus, O.
Carnegie Steel Co. (Twisted Steel Bars), Pittsburg, Pa.
Central Expanded Metal Co., Pittsburg, Pa.
Chicago Builders' Specialties Co. ("Twisted" Steel Bars & Expanded Metal), 138 Washington, Chicago, Ill.
Clinton Wire Cloth Co. (Electrically Welded Steel Wire Fabrics), Clinton, Mass.
Columbian Concrete Steel Bar Co. ("Columbian" Ribbed Steel Bars), Pittsburg, Pa.
Concrete-Steel Co. ("Havemeyer" Steel Bars, etc.), 29 B'way, New York
Concrete Steel Engineering Co. ("Melan," "Thacher" & "Emperger" Steel Bars, etc.), 15 Park Row, New York
Corrugated Bar Co. (Corrugated Steel Bars), Nat'l Bank of Commerce Bldg., St. Louis, Mo.
Electric Welding Mfg. Co. ("Cummings" System), House bldg, Pittsburg, Pa.
Expanded Metal Engineering Co., 225 5th av, New York
Gabriel Concrete Reinforcement Co. ("Gabriel" Reinforcing Bar), Detroit, Mich.
GENERAL FIREPROOFING CO. (Cold Twisted Lug Bar, etc.; also Wire Fabric), Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)
Goff, Horner & Co. (Ltd.) ("Cummings" System of Twisted Steel & Plain Round, Square & Flat Steel Bars, etc.), Frick Bldg., Pittsburg, Pa.
Hudson Structural Steel Co. ("Hudson" Steel Bar), Southern boul & 136th, New York
Inland Steel Co. (Steel Twisted Bars, Plain Bars, Rounds, Squares & Flats), First Nat'l Bank bldg, Chicago, Ill. Works, Chicago Heights, Ill., & Indiana Harbor, Ind.
Interstate Iron & Steel Co. (High Carbon Steel, Plain & Special Bars), First Nat'l. Bank bldg., Chicago, Ill.
Jones & Laughlin Steel Co. (Twisted Steel Bars), Pittsburg, Pa.
Lock Bar Steel-Concrete Co. (Cold Twisted Steel Lock Bar), Commercial Bldg., Chicago, Ill.
Majestic Wire Fence Co., Detroit, Mich.
Maxwell Concrete Steel Co. ("Maxwell" Inner Bond Steel Bars, Trussed & Deformed Steel Bars), Detroit, Mich.
Monolith Steel Co. (Inc.) ("Monolith" Stee Bars), Washington, D. C
National Wire Cloth Co. (Wire Cloth Reinforcement), Sandusky, O.
New Haven Iron & Steel Co. (Twisted Iron & Steel Bars), New Haven, Conn.)
Northwestern Expanded Metal Co., Old Colony bldg, Chicago, Ill.
Page Woven Wire Fence Co. (Reinforcing Wire Fabric), Monessen, Pa.
RANSOME CONCRETE MACHINERY Co. (Twisted Steel), Dunellen, N. J. (See adv. index & branch offices, end of book)
Republic Iron & Steel Co. (Rounds, Flats, Squares & Cold Twisted Bars), Pittsburg, Pa.
Rodgers Co. (Twisted Steel Bars), Monadnock blk, Chicago, Ill
Rogers-Shear Co. (Twisted, Plain & Corrugated Steel Bars), Warren, Pa
Schillinger Bros. Co. (Special Bars & Appliances), Chicago, Ill.
Security Construction & Engineering Co., (Security System), Brookline, Mass
SHARON STEEL HOOP CO. (Bars & Light Shapes), Sharon, Pa. (See adv. index & branch offices, end of book)
SMITH, F. P. WIRE & IRON WORKS (Spiral Column, Stirrups & Shear Cars for Concrete Beams, Columns, etc.), 100 Lake, Chicago, Ill. (See adv. index, end of book)
TRUSS METAL LATH CO. ("Kuhne's" Truss & Clincher Lath), 147 4th av, New York. (See adv. index, end of book)
Truss & Cable Fence Co. (Special Wire), Cleveland, O
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Union Steel Screen Co. (Ltd.) ("Union," Interlocking System), Albion, Mich
Universal Form Co. ("Universal" Steel Clad Monolithic), 126 Centre, New York
Wight, W. N. & Co. (Lock Woven Steel Fabric), 160 5th av, New York
Wire Specialty Co. (Wire Anchors, Rods, Wall Ties, Post Staples, etc.), 43 Fulton, Chicago, Ill
WISCONSIN IRON & WIRE WORKS (Wire Cloth, etc.), 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO. (Material, Wire Fabrics, etc.), Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Iron & Steel Roofing Co. (Corrugated Expanded Metal, etc.), Youngstown, Ohio

*Concrete Reinforcing & Spaces

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

Concrete Steel Construction (Reinforced)

Aberthaw Cons. Co., 8 Beacon, Boston, Mass.
Altoona Concrete Construction & Supply Co., Altoona, Pa.
Ambursen Hydraulic Construction Co. (Dams, Bulkheads, etc.), 176 Federal, Boston, Mass.
American Column Co. (Columns), 252 Huron, Brooklyn, N. Y.
AMERICAN CONCRETE CO., 80 William, New York (See adv. index, end of book)
American Concrete Steel Co., 11 Clinton, Newark, N. J.
American System of Reinforcing, 35 W 23d, New York
Armored Concrete Construction Co., Bldrs Ex. bldg, Baltimore, Md.
Baltimore Ferro Concrete Co., Baltimore, Md.
Bates & Rogers Construction Co. (Heavy Bridge Work, etc.), 355 Dearborn, Chicago, Ill.
Bender Co., Hamilton, O.
Bentley, A. & Sons Co., Toledo, O.
Berlin Construction Co. (Bridges, Buildings, etc.), Berlin, Conn.
Bick, J. N., The Nasby, Toledo, O.
Blome, R. S. Co., 79 Dearborn, Chicago, Ill.
BOSTWICK STEEL LATH CO., Niles, O. (See adv. index, end of book)
Brayton Engineering Co. (Concrete Steel Structures), St. Paul, Minn.
BROWN HOISTING MACHINERY Co. ("Ferroinclave"), Cleveland, O.; 26 Cortlandt, New York, & Pittsburg, Pa. (See adv. index, end of book)
Brown, Jno. G., Witherspoon bldg, Phila., Pa.
Buell & Mitchell, 120 Liberty, New York
Buffalo Expanded Metal Co., Buffalo, N. Y.
Carey Construction Co., Electric bldg, Cleveland, O.
Cargill Mfg. Co., Buttles av., Columbus, O.
Carmichael, Wm. P. Co., Williamsport, Ind.
Cary Bros. (Plain & Reinforced), Memphis, Tenn.
Central Concrete Const. Co., Louisville, Ky.
Central Concrete Construction Co., Loan & Trust Co., Milwaukee, Wis.
Central States Bridge Co. (Heavy Concrete Work), Indianapolis, Ind.
Cerutti System ("Cerutti," System of Reinforced Concrete Flooring), 1133 B'way, New York
Clough Concrete Construction Co., Quincy, Ill.
Columbian Concrete Steel Bar Co. ("Columbian" System), Pittsburg, Pa.
Concrete Engineering Co., Davenport, Ia.
Concrete Steel Co., 29 B'way, New York
Concrete Steel Engineering Co. (Concrete Bridges, Floors, etc.), 15 Park row, N. Y.
Concrete Steel & Tile Const. Co., Detroit, Mich.
Consolidated Engineering & Construction Co., 1 Madison av, New York
Consolidated Expanded Metal Co.'s, Keenan Bldg., Pittsburg, Pa.
Continental Fire-Proofing Co., Inc., San Francisco, Cal.
Corrugated Bar Co. (Corrugated Steel Bars), Nat'l Bank of Commerce Bldg., St. Louis, Mo.
Cowing Engineering Co., Cleveland, O.
CURTIN-RUGGLES CO., 39 Cortlandt, New York
Curtiss & Dean, 22 Hopkins, Hartford, Conn.
Denholm & Co., 1917 Vine, Cincinnati, O.
Eastern Concrete Const. Co., Boston, Mass.

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Contractors and Engineers for Concrete Construction Work of any kind.
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Dealers in Reinforcing Materials, Machinery, Tools and Supplies for Concrete Workers.
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SMITH MIXER WITH STEAM POWER

SMITH MIXERS

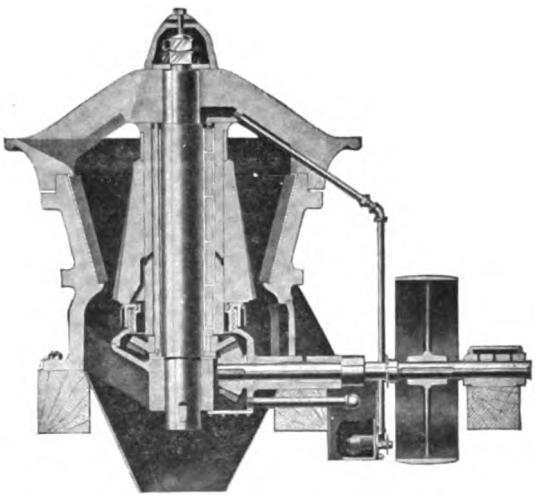
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AND A COMPLETE LINE OF SCREENS, ELEVATORS, ETC.

—WRITE FOR CATALOG—



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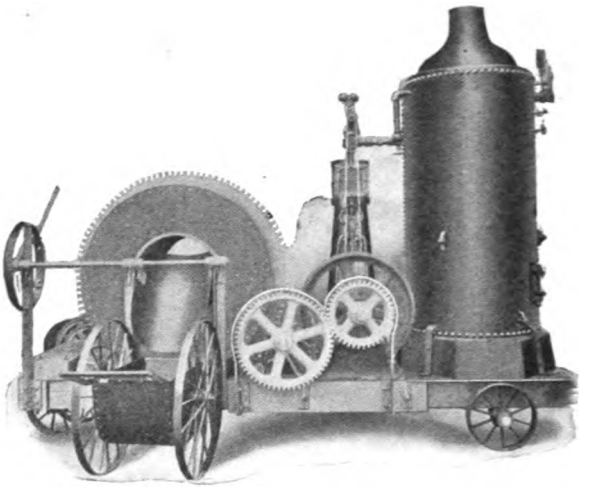
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There are no complicated parts to go wrong in the Ransome. Only four wearing parts. No other mixer has so few. This simplicity is the result of careful study and long experience. Simplicity keeps cost and maintenance down.

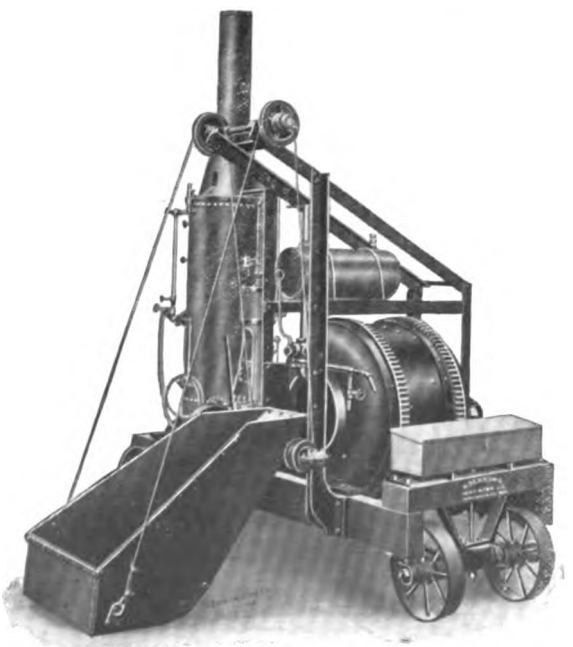


RANSOME MIXER WITH DISCHARGE CHUTE IN POSITION TO LOAD RANSOME CONCRETE CART.

RANSOME CONCRETE MACHINERY COMPANY

DUNELLEN, N. J.

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HAVE THE REPUTATION OF BEING THE STANDARD

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Built in types and sizes of every requirement; equipped with gasoline, steam or electric power.

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Ehlert Construction Co., Milwaukee, Wis.
Eid, L. Concrete Steel Co., 1206 W Liberty, Cincinnati, O.
Ellendt, J. G. Co., 1 Madison av, New York
Engineering Construction Co., Scranton, Pa.
Enterprise Contracting Co., Pittsburg, Pa.
Expanded Metal Engineering Co. (Reinforced), 225 5th av, New York
Expanded Metal Fireproofing Co. (of Pittsburg, Pa.), 541 Wood, Pittsburg, Pa.
Fell, Henry R. Co., Trenton, N. J.
Ferro-Concrete Co. (Bridges, Buildings, etc.), Arcade bldg, Phila., Pa.
Ferro-Concrete Construction Co., Cincinnati, O.
Ferro-Concrete Contracting Co., 1 Madison av, New York
Filbert Paving & Construction Co., Penna. bldg, Phila., Pa.
Gabriel Concrete Reinforcement Co. ("Gabriel" System), Detroit, Mich.
Geisel Construction Co. (Bridges, etc.), 620 Chestnut, St. Louis, Mo.
General Construction Co., Milwaukee, Wis.
General Engineering & Construction Co., Seattle, Wash.
GENERAL FIREPROOFING CO., Youngstown, O., & 10 E 23d, New York. (See adv. index, end of book)
Globe Construction Co., San Francisco, Cal.
Godwin Cons. Co., 30 Church, New York
Golliek, Stanley Co., 1133 B'way, New York
Golliek & Smith, 162 E 23d, New York
Graham Construction Co., Milwaukee, Wis.
Grant, Geo. J., St. Paul, Minn.
Great Lakes Dredge & Dock Co., Chamber of Commerce bldg, Chicago, Ill.
Great Northern Concrete Co., Milwaukee, Wis.
Greenfield, Arthur (Inc.) (Reinforced Floors, etc.), 154 E 31st, New York
Guarantee Const. Co., 90 West, New York
Hindman-Henderson Co. (Concrete Steel Structures), 245 4th av, Pittsburg, Pa.
Hennebique Construction Co. (Armored Concrete), 1170 Broadway, New York
Hinchman-Renton Fireproofing Co., Denver, Colo.
Hoeffer & Co., 138 Wash'n, Chicago, Ill.
Hollow Brick & Concrete Construction Co., 110 W 34th, New York
Hopkins-Barnett Co., Calvert bldg, Baltimore, Md.
Horrabin, Wm., Iowa City, Ia.
Hudson Concrete Construction Co., Jersey City, N. J.
Hudson Structural Steel Co., 136th & So. boul
Hunt Engineering Co., Iola, Kan. New York
Illinois Bridge Co. (Bridges, etc.), Chicago, Ill.
Ince, John C., Construction Co., San Francisco, Cal.
Interstate Engineering Co., 50 Church, New York
Kansas City Bridge Co., Kansas City, Mo.
Keatinge, Richard & Sons, San Francisco, Cal.
Kittle Construction Co., San Francisco, Cal.
Languist & Illsley Co., 393 N Clark, Chicago, Ill.
Leighton, H. N. Co., Minneapolis, Minn.
Ley Construction Co., Springfield, Mass.
Lock Bar Steel Concrete Co., Commercial Bk. bldg., Chicago, Ill.
Lucius Co., Hartje bldg, Pittsburg, Pa.
McCarrel Compo-Stone Co., Jacksonville, Fla.
McGrath, M. P. (Street Railway & Concrete Construction), Easton, Pa.
McManis & Son, Princeton, Ill.
Mansfield Engineering Co., Bd. of Trade bldg, Indianapolis, Ind.
Marsh Bridge Co. (Bridge Structures & Foundations), Des Moines, Ia.
Masters & Mullen Const. Co., Cleveland, O.
Melber Co. (Inc.) ("Melber" Structural Ferro Cement). Second National Bank bldg, Pittsburg, Pa.
Memphis Bridge Co., Memphis, Tenn.
Menke, F. W., Stone & Lime Co., Quincy, Ill.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Mess, L. & Co., San Francisco, Cal.
Miller, H. C. & Co. (Plans, Specifications & Estimates Furnished), 1 Madison av., New York
Monsted, A. & Co., Pabst bldg, Milwaukee
Moore-Mansfield Construction Co. (Inc.), Bd. of Trade bldg, Indianapolis, Ind
Moyer Engineering & Construction Co., 375 Fulton, Brooklyn, N. Y.
National Concrete Co. (Bridges, etc.), Indianapolis, Ind.
National Concrete Const. Co., Louisville, Ky.
National Concrete Fireproofing Co., Williamson bldg, Cleveland, O.
National Supply & Construction Co., Ellwood City, Pa.
Nelson-Merydith Co., Chambersburg, Pa.
Neuchatel Asphalte Co. (Ltd.), 285 B'way, N. Y.
Newton Engineering Co. ("Kahn" System), 221 Grand av, Milwaukee, Wis.
Noble, C. W., Co., La Crosse, Wis.
Noel Construction Co. ("Large"), Baltimore, Md.
Northwestern Bridge Works, Portland, Ore.
People's Construction Co., Davenport, Ia.
Petersen, H. L., San Francisco, Cal.
Pueblo Bridge Co. (Bridges, etc.), Pueblo, Colo.
Ransome & Smith Co. (Fire-Proof Factories), 11 Broadway, New York
Read-Coddington Engineering Co., Niagara Falls, N. Y.
Reinforced Concrete Construction Co., St. Louis, Mo.
Roberts & Schaefer Co. (Coaling Stations, Concrete Stations, etc.), Chicago, Ill.
Rodgers Co., Monadnock blk, Chicago, Ill.
Schillinger Bros. Co., Chicago, Ill.
Schillinger Bros. Co., Toledo, O.
Simpson Bros. Corporation, 166 Devonshire, Boston, Mass.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Southern Expanded Metal Co., Colorado bldg, Washington, D. C.
Southern Ferro-Concrete Co., Atlanta, Ga.
Stark, N. M. & Co. (Bridges, etc.), Des Moines, Iowa
Standard Concrete Construction Co., 184 La Salle, Chicago, Ill.
Standard Concrete Steel Co., 413 E 31st, New York
Stebbings, W. L. (Also Plain Concrete Work), Monadnock blk, Chicago, Ill.
Sterling Engineering & Cons. Co., Caswell bldg, Milwaukee, Wis.
Stitzer, Jas. Hubert, Jr., Commonwealth Trust bldg, Phila., Pa.
Strauss Bascule & Concrete Bridge Co. (Bridges & Steel Structures), Chicago, Ill.
Syracuse Bridge Co. (Bridges, Foundations, etc.), Syracuse, N. Y.
Talbott, H. E. & Co. (Bridges, Buildings, etc.), Dayton, O.
Topeka Bridge & Iron Co. (Bridges, etc.), Topeka, Kan.
TRUSS METAL LATH CO. (Kuhne's), 147 4th av, New York. (See adv. index, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
Trussed Concrete Steel Co., Trussed Concrete bldg, Detroit, Mich.
Tucker & Vinton (Steel Concrete Structures), 103 Park av, New York
Tunnel Concrete Co. (Tunnel Lining a Specialty), 15 Broad, New York
Turnbull Cons. Co., Penna. bldg, Phila., Pa.
Turner Construction Co. ("Ransome" Reinforced Concrete Const.), 11 B'way, New York
Turner-Forman Concrete Steel Co. Phila., Pa.
Union Engineering & Construction Co., First National Bank bldg, Chicago, Ill.
Vonder Horst Bros. (Inc.), San Francisco, Cal.
Wallace-Coates Engineering Co. (Bridges, etc.), Ellsworth bldg, Chicago, Ill.
Weber Co. (Reinforced Concrete Chimneys, etc.), 204 Dearborn, Chicago, Ill.
Western Expanded Metal & Fireproofing Co., San Francisco, Cal.
Wight, W. N. & Co. (Lock Woven Steel Fabric), 160 5th av, New York
Wisconsin Cement Cons. Co., 875 Tentonia av, Milwaukee, Wis.
Worswick Street Paving Co., Fresno, Cal.
Yard & Hichborn, Los Angeles, Cal.
Youngstown Construction Co. (F. H. Schmidt, Pres.), 320 B'way, New York

Concrete Tools

(See Tools, Paving)

*Condensers (Air)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. (See adv. index & branch offices, end of book)

Condensers (Ammonia)

Carbondale Machine Co., Carbondale, Pa.
Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa.
Kupferle Bros. Mfg. Co., St. Louis, Mo.
Wolf, Fred. W. Co., 141 Rees, Chicago, Ill.
York Mfg. Co., Ltd., York, Pa.

Condensers (Barometric)

Alberger Condenser Co., 95 Liberty, New York
ALLIS-CHALMERS CO. ("Tomlinson"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Mass.
Cameron, A. S., Steam Pump Works, ft. E. 23d, New York
DEANE STEAM PUMP CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Heisler Mfg. Co., St. Marys, O.
Mesta Machine Co. ("Helander"), Pittsburg, Pa.
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Condensors (Distillers')

CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)

*Condensers (Ejector)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. (See adv. index & branch offices, end of book)

Condensers (Electric)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Electric Specialty Co., Cresco, Iowa
Foote, Pierson & Co., 160 Duane, New York
Heine, Wm. A. Washington, D. C.
Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.
Marshall, William, 709 Lexington av, New York
Pearce, Fred'k Co., 20 Rose, New York

Kahn System of Reinforced Concrete

KAHN TRUSSED BARS. RIB METAL. CUP BARS. HY-RIB SHEATHING. RIB LATH. RIB STUDS. "TRUS-CON" CHEMICAL PRODUCTS FOR CONCRETE. "TRUS-CON" BUILDING SPECIALTIES. "TRUS-CON" JOIST HANGERS. HOLLOW TILE FIREPROOFING.

Trussed Concrete Steel Company

Detroit, Michigan

Offices in Principal Cities (See Adv. Index)

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QUEEN & CO. (Inc.), n. w. c 5th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Warner Electric Co., Muncie, Ind.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Condensers (Gas)

(See also Gas Works Apparatus & Construction)
Bartlett, Hayward & Co., Baltimore, Md.
Continental Iron Works, West & Cayler, Brooklyn, N. Y.
Gas Machinery Co., Citizens Bldg., Cleveland, Ohio
Isbell-Porter Co. (Primary & Secondary for Fresh or Salt Water), Newark, N. J.
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
Stacey Mfg. Co., Township av & C. C. C. & St. Louis R. R., Cincinnati, O.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Condensers (Ice Machine)

Goubert Mfg. Co., 90 West, New York

Condensers (Independent)

(See Condensers, Steam)

Condensers (Jet)

(See Condensers, Steam)

*Condensers (Oil)

PETROLEUM IRON WORKS CO. ("Leman"), Sharon, Pa. (See adv. index & branch offices, end of book)

Condensers (Steam)

Alberger Condenser Co. ("Wainwright"), 95 Liberty, New York
ALLIS-CHALMERS CO. (Jet), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Barawanath, Wm. & Son, 52 W Division, Chicago, Ill.
BLAKE, GEO. F. MFG. CO. (Jet, Surface), 115 B'way, New York. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co. (Air & Steam Turbine, etc.), Fitchburg, Mass.
Buffalo Steam Pump Co. (Jet, Surface, etc.), Buffalo, N. Y.
Bulkley, Henry W. ("Bulkley" Air Pump, Injector, etc.), 141 B'way, New York
Cameron, A. S., Steam Pump Works (Jet, Surface, etc.), ft. E. 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, Ohio
Cooper, C. & G. Co. (For Large Plants), Mount Vernon, O.
Cosmopolitan Co., 41 State, Chicago, Ill.
Davidson, M. T. (Surface & Jet), 43 Keap, Brooklyn, N. Y.
Dean Bros. Steam Pump Works (Jet & Surface, Indianapolis, Ind.
DEANE STEAM PUMP CO. (Jet, Self-Cooling & Surface), 115 B'way, New York. (See adv. index & branch offices, end of book)
Epping-Carpenter Co. (Surface & Jet), 41st & A. V. Ry., Pittsburg, Pa.
Eynon-Evans Mfg. Co., 1509 Clearfield, Philadelphia, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Flynn, W. S., 76 Hudson, Jersey City, N. J.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Great Lakes Engineering Works (Twin Vertical Air Pump Condenser Combined, for Salt, Sugar & Chemical Works), Rivard & Detroit river, Detroit, Mich.
Jeansville Iron Works Co., Hazelton, Pa.
KNOWLES STEAM PUMP WORKS (Jet, Surface), 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW - DUNN - GORDON CO., 115 B'way, New York. Works: Cincinnati, O. (See adv. index, end of book)
Loew Mfg. Co., Cleveland, O.
McGowan, Jno. H. Co., Cincinnati, O.
Mason & Ross ("Dillon" Exhaust), Northville, Mich.
Mild Mfg. Co., Mount Vernon, O.
MINNEAPOLIS STEEL & MACHINERY Co ("Twin City"), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Multicoil Co. (Marine Engines), 78 Broad, New York
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, Ohio
Nordberg Mfg. Co. (Independent, Jet & Surface), Milwaukee, Wis.
PLATT IRON WORKS CO. (Jet & Surface), Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Schutte & Koerting Co., 1251 N 12th, Philadelphia, Pa.
Scranton Steam Pump Co. (Jet Condensers & Pumps), Scranton, Pa.
Southwark Foundry & Machine Co. ("Weiss"), Philadelphia, Pa.
Stewart Heater Co., Buffalo, N. Y.
Thropp, Jno. E. Sons Co. (Surface), Trenton, N. J.
Unique Engineering Co., 100 Hinsdale, Brooklyn, N. Y.
Warren Steam Pump Co., Warren, Mass.
Watson Machine Co. ("Conover"), Paterson, N. J.
WESTINGHOUSE MACHINE CO, Westinghouse bldg., Pittsburg, Pa. (See adv. Index, end of book)
Wheeler, C. H. Mfg. Co., Lehigh & N 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Volz," 146 Cedar, New York
Whitlock Mfg. Co., Hartford Conn.
Wood, R. D. & Co., 400 Chestnut, Philadelphia, Pa.
WORTHINGTON, HENRY F. (Jet, Self-Cooling Surface), 115 B'way, New York. (See adv. index & branch offices, end of book)

*Condensers (Steam Turbine)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Condensers (Surface)

(See Condensers, Steam)

Condensers (Telephone)

Andrae, Julius & Sons Co., Milwaukee, Wis.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Central Tel. & Electric Co., St. Louis, Mo.
Electric Appliance Co. ("X-P"), 134 W Jackson boul, Chicago, Ill.
Kellogg Switchb'd & Supply Co., Chicago, Ill.
Sterling Electric Co., Lafayette, Ind.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Swedish-American Telephone Co., 1760 E Ravenswood Park, Chicago, Ill.
Vote-Berger Co., La Crosse, Wis.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Telephone Mfg. Co., 50 W Jaskson, boul, Chicago, Ill.

Condensing Plants (Weiss Central)

Southwark Foundry & Machine Co., Passyunk Station, Phila., Pa.

Conductor Pipe & Eave Trough Mfrs.

AMERICAN ROLLING MILL CO. ("Polygon"), Middletown, O. (See adv. index, end of book)
Berger Bros. Co., 237 Arch, Phila., Pa.
BERGER MFG. CO., THE (Steel), Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
BOSTWICK STEEL LATH CO., Niles, O. (See adv. index, end of book)
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
CANTON MFG. CO., Canton, O. (See adv. index & branch offices, end of book)
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Conklin Tin Plate & Metal Co., Atlanta & Savannah, Ga.
Dickelman Mfg. Co., Forest, O.
Dieckmann, Ferdinand, 1180 Harrison ave., Cincinnati, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., Canton, O.
Excelsior Steel Furnace Co., 40 W Monroe, Chicago, Ill.
Fisher, W. Frank B. (Double Bead), 23 W College av, Springfield, O.
Garry Iron & Steel Co., Cleveland, O.
Goff, Horner & Co., Ltd., Frick Bldg., Pittsburg, Pa.
Hazelton Sheet Steel Co., Commonwealth bldg., Phila., Pa.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
Indianapolis Corrugating Co., Indianapolis, Ind.
Kanneberg Roofing & Ceiling Co., Canton, O.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Lamb & Ritchie, Cambridgeport, Mass.
Learn & Brindle (Conductors Strainers, "The Ideal" Cut-Off), Columbus, O.
Lupton's, David Sons, E Allegheny av & Tulip, Phila., Pa.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Meurer Bros. Co., 575 Flushing av, Brooklyn, N. Y.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Moeschl-Edwards Corrugating Co., Covington, Ky.
New York Iron Roofing & Corrugating Co., 1st & Wash'n, Jersey City, N. J.
Niles Iron & Steel Roofing Co., Niles, O.
Obdyke, Benjamin P., 237 Bread, Phila., Pa.
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
Reeves Mfg. Co., Canal Dover, O.
St. John & Barquist, Des Moines, Iowa
St. Paul Roofing, Cornice and Ornament Co. ("Easy Bead"), St. Paul, Minn.
Schoedinger, F. O., 146 N. 3d, Columbus, O.
Scott Roofing & Mfg. Co., Parkersburg, W. Va.
Souther, E. B. Iron Co., St. Louis, Mo.
Sykes Steel Roofing Co., 611 S Morgan, Chicago, Ill.
Twichell Iron Co., Kansas City, Mo.
VALLEY CORNICE & SLATE CO., Ltd., 314-318 N. Hamilton, Saginaw, W. S., Mich. (See adv. index, end of book)
Weyand, Henry Co. (Inc.), Waterbury, Conn.
Wheeling Corrugating Co., Wheeling, W. Va.
Whitacre, J. E. Mfg. Co., Rockford, Ill.
York Corrugating Co., York, Pa.

Conductors (Armored)

National Metal Moulding Co. ("Flexsteel"), Pittsburg, Pa.
Safety Armorite Conduit Co., Pittsburg, Pa.
Sprague Electric Co., 527 W 34th, New York
Standard Underground Cable Co., Pittsburg, Pa.

*Conductors & Gutters (Cypress)

STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

Conduit Elbow Former

Wallace Supply Co., 23 S. Jefferson, Chicago, Ill.

Conduits (Cast Iron)

Davies & Thomas Co., Catasauqua, Pa.

Conduits (Flexible Metallic)

Franklin Railway Supply Co. ("McLaughlin," for Connecting between Engine & Tender in Place of Rubber Hose), Franklin, Pa.

Conduits (Interior)

Alphaduct Co. (Non Metallic Flexible), Jersey City, N. J.
American Circular Loom Co. ("Electroduct," Flexible), Boston, Mass.
American Conduit Mfg. Co., Pittsburg, Pa. Works: New Kensington, Pa.
Clifton Mfg. Co., Jamaica Plain, Boston, Mass.
Enameled Metals Co. ("Pittsburg," Standard Enameled Iron), Etna, Pa.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)

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Mark Mfg. Co. ("Navalite," Enameled Iron Pipe), Evanston, Ill.
National Metal Moulding Co. ("Sheraduct" & "Economy" Enameled Iron; also "Flexduct," Flexible), Pittsburg, Pa.
Protecus Electrical Mfg. Co. (Arthur P. Pierson; "Verus" Flexible Fire & Water Proof), 23 N Juniper, Phila., Pa.
Safety Armorite Conduit Co. ("Lopcated," "Galvaduct," "Armorduct," "Sterling," Iron, Armored, Flexible Metallic, etc.), Pittsburg, Pa.
Sprague Electric Co. ("Greenfield" Iron Armored, Brass Armored, Flexible Steel & Unarmored), 527 W 34th, New Ylork
Western Conduit & Mfg. Co. (Steel Electrical), Chicago, Ill.
WILMINGTON FIBRE SPECIALTY CO. (Hard Fibre), Wilmington, Del. (See adv. index, end of book)

Conduits (Underground)

American Conduit Mfg. Co., Pittsburg, Pa.
American Conduit Co. (Bitumenized Fibre), Los Angeles, Cal., & 204 Dearborn, Chicago, Ill.
American Creosoting Works (Creosoted for Wood), New Orleans, La.
American Sewer Pipe Co. (Vitrified, Pittsburg, Pa.
American Stone Conduit Co., 18th & Lincoln, Chicago, Ill.
American Vitrified Conduit Co. (Vitrified), B'way & 23d, New York
Barnard, B. S., & Co. (Vitrified Clay), 39 Cortlandt, New York
BUNNELL, J. H., & CO., Park pl. & Church, New York. (See adv. index, end of book)
Camp, H. B. Co. ("Camp-Duct"), Pittsburg, Pa. Works: Aultman, O.
Chattanooga Sewer Pipe & Fire Brick Co., (Clay), Chattanooga, Tenn.
Clay Product Co. (Vitrified Fire-Clay), Brazil, Ind.
Cunningham Iron Co. (Wrought Iron), Boston, Mass
Denny-Renton Clay & Coal Co. (Clay), Seattle, Wash.
Des Moines Clay Mfg. Co., Des Moines, Iowa
Dickey, W. S. Clay Mfg. Co. (Vitrified Salt Glazed), Kansas City, Mo.
Dielectric Co. of America ("Dielectric" System), Belleville, N. J.
Drummond, M. J. & Co. ("Shawmut" Vitrified), 182 B'way, New York
Eppinger & Russell Co. ("Valentine" Creosoted Square Box Conduit), 165 B'way, New York
Fibre Conduit Co. (Fibre), Orangeburg, N. Y.
Gest, G. M. (Conduit Contractor), 277 B'way, New York
Interstate Conduit & Brick Co. (Vitrified), Scranton, Pa.
Johns, H. W.-Manville Co. ("Portland" Sectional Vitrified Tile), 100 William, New York
Los Angeles Pressed Brick Co. (Salt Glazed), Los Angeles, Cal.
McRoy Clay Works (Vitrified), Rookery, Chicago, Ill. Works: Brazil, Ind.
Michigan Pipe Co. (Creosoted Wood), Bay City, Mich.
NATIONAL FIRE PROOFING CO. (Mason Terra Cotta), Pittsburg, Pa. (See adv. index & branch offices, end of book)
Norfolk Creosoting Co. (Creosoted Wood), Norfolk, Va.
Pittsburg Sewer Pipe & Conduit Co. (Vitrified Salt Glazed), Pittsburg, Kan.
Rochester Sewer Pipe Co. (Vitrified Clay), Rochester, N. Y.
San Antonio Sewer Pipe Co., San Antonio, Tex.
Shawmut Clay Mfg. Co. (See Drummond, M. J. & Co.)
Standard Sewer Pipe Co. (Vitrified Clay), Rochester, N. Y.
Standard Vitrified Conduit Co. (Vitrified Salt Glazed), 39 Cortlandt, New York
Steiger Terra Cotta & Pottery Works, San Francisco, Cal.
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Walworth & Neville Mfg. Co. (Creosoted Pine), Heyworth bldg, Chicago, Ill., & Norfolk, Va.
Wyckoff Pipe & Creosoting Co. (Creosoted Wood), 50 Church, New York. Works: Portsmouth, Va.

Cones (Blacksmiths')

(See Mandrils & Cones, Blacksmiths)

Cones (Friction)

(See Pulleys, Cone)

*Cones (Logging)

FLORY, S. MFG. CO., Bangor, Pa. (See adv. index, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Connections (Closet)

Atlas Brass Works ("Forster" Closet Waste), San Francisco, Cal.
Blasier & Co., M. E., Utica, N. Y.
Climax Specialty Co., Seneca Falls, N. Y.
Frost Mfg. Co., Kenosha, Wis.

Connections (Rubber)

Morgan & Wright, Inc., Detroit, Mich.

Connections (Siamese)

Milwaukee Brass Mfg. Co. (With Automatic Valve, for Fire Sprinklers, Stand Pipes, Bath, etc.), Milwaukee, Wis.
Standard Brass & Iron Works ("S. B. & I. Works" Double, Threeway, etc.), Milwaukee, Wis.

Connections (Slip Joint)

Wolverine Brass Works, Grand Rapids, Mich.

Connectors (Battery)

American Electrical Novelty & Mfg. Co. ("Bull Dog"), 308 Hudson, New York
Barcy & Nicholson, Detroit, Mich.
Bliss-Chester Co. ("Duplex"), Providence, R. I.
Briggs, W. H., Richmond Hill, Boro. of Kings.
Browne, Wm. L., Worcester Mass. New York
Cleveland Spark Plug Co., Cleveland, O.
Eastern Carbon Works, Jersey City, N. J.
Electric Motor & Equipment Co., Newark, N. J.
Geen Electrical Mfg. Co. ("Genco"), 180 Lake, Chicago, Ill.
Lombardi Machinery & Motor Co., Derby, Conn.
Manhattan Electrical Supply Co. ("Mesco," "Sta-there"), 17 Park pl, New York
Pierson & Dean Co. ("P.-D."), New Haven,
Shain, Chas. D., 70 Murray, New York Conn
Stackpole Battery Co. ("Mills"), St. Marys, Pa.
Tregoning Elec. Mfg. Co. ("Lobster-Claw"), Cleveland, O.

Connectors (Electric Train)

Loeffelholz Co. ("Gibbs"), Milwaukee, Wis.

Connectors (Hose)

(See Couplings, Hose)

Connectors (Sleeve Wire)

American Electric Fuse Co., Muskegon, Mich.
Bryant Zinc Co. ("Premier"), 158 W Van Buren, Chicago, Ill.
Chicago Die & Elec. Co. ("Max Stadt"), 64 Fulton, Chicago, Ill.
Chicago Fuse Wire & Mfg. Co., 170 S Clinton, Chicago, Ill.
Clark Elec. & Mfg. Co., 137 B'way, New York
Cook, Frank B., 240 W Lake, Chicago, Ill.
Harvard Elec. Co., 60 W Van Buren, Chicago, Ill.
Holtzer-Cabot Elec. Co., Brookline, Mass.
McIntire, C. Co., Newark, N. J.
National Telephone Supply Co., Cleveland, O.

Connectors (Stage)

Scranton Button Co. (Electroid, Confined Line), Scranton, Pa.

Connectors (Trailer)

(For Car Lighting)

Central Union Brass Co. ("Wood"), St. Louis, Mo.
Electric Specialty Co. ("Chicago"), 19 S Jefferson, Chicago, Ill.
Garton, W. R. Co., 118 W Jackson, boul, Chicago, Ill.
Kingsland-Kay-Cook Mfg. Co., Mullanphy & 11th, St. Louis, Mo.
Lang, J. Electric Co., 120 N Lincoln, Chicago, Ill.
Ohio Brass Co. ("Emergency"), Mansfield, O.

Connectors (Trolley Wire)

Johns, H. W.-Manville Co., 100 William, New York
Kisinger-Ison Co., 466 Pioneer, Cincinnati, O.
Ohio Brass Co. ("Emergency"), Mansfield, O.
Ridlon, Frank Co., Boston, Mass.

Connectors (Wire)

(Miscellaneous Wire Connectors)

Alpha & Omega Toggle Co., Chicago, Ill.
American Cable Clip Co., 39 E 42d, New York
American Electric Fuse Co. ("American"), Muskegon, Mich.
Appleton Electric Co., 224 Washington, Chicago, Ill.
Bliss-Chester Co. ("Duplex," Terminal), Providence, R. I.
BUNNELL, J. H., & CO., Park pl. & Church, New York. (See adv. index, end of book)
Connecticut Elec. Mfg. Co., Bantam, Conn.
Fahnstock Electric Co. ("Fahnstock," Snap-over for Drop Wires), 129 Patchen av, Brooklyn, N. Y.
Fairmount Electric & Mfg. Co. ("H. W. W."), Phila., Pa.
Fort Dearborn Mfg. Co. ("Zeno"), 63 Crossing, Chicago, Ill.
Harvard Elec. Co., 60 W Van Buren, Chicago, Ill.
Jones & Gross Elec. Co., 62 Vesey, New York
Manhattan Electric Supply Co., 17 Park pl., New York
MORSE, FRANK W. (Brass), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Menchen, Jos. Electrical Co., New York.
Nagel-Collins Mfg. Co., 249 S Jefferson, Chicago, Ill.
Ostrander, W. R. & Co., 22 Dey, New York
Railway Specialty & Supply Co., Northern bldg, Chicago, Ill.
Ridlon, Frank Co., Boston, Mass.
Sibley & Pitman ("Climax"), New York
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Trumbull Electric Mfg. Co., Plainville, Conn., & New York City
Waterbury Mfg. Co., Waterbury, Conn.
Yonkers Specialty Co. ("New York"), Yonkers, N. Y.

Connectors (Wire Test)

American Electric Fuse Co. ("American"), Muskegon, Mich.
Appleton Electric Co., 227 Washington, Chicago, Ill.
Belden Mfg. Co., 194 Michigan av, Chicago, Ill
Chicago Brass Co. ("H. W. W."), 42 Madison,
Cutter, Scott C., Oswego, Ill. Chicago, Ill.
Fahnesock Electric Co. ("Snap Over"), 129 Patchen av., Brooklyn, N. Y.
Frankel Display Fixture Co., 177 Hudson, New York
Hallett Iron Works, 96 W Polk, Chicago, Ill.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Kieruff, B. F., Jr. & Co. ("Wardman"), Los Angeles, Cal.
Railway Specialty & Supply Co., Northern bldg, Chicago, Ill.
Williams Test Clamp C., Cleveland, O.
Yonkers Specialty Co. ("New York"), Yonkers, N. Y.

Continuous Rolling Mills

(See Rolling Mill Plants, Continuous)

*Contract Blanks (Architects' & Builders')

SOLTMANN, E. G. (Publisher of the A. I. A. Uniform Contracts & Uniform Sub-Contracts), 125 E 42d, New York. (See adv. index, end of book)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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Contractors (Asphalt Paving)

(See also Contractors, General)

CALIFORNIA.

LOS ANGELES—Barber Asphalt Paving Co.
Densmore-Stabler Refining Co., 2474 E 9th
Fairchild-Gilmore-Wilton Co., Pacific Electric bldg
Scheerer, C. & Co. (Inc.), 714 E 3d
OAKLAND—Oakland Paving Co.
Oakland Paving Co.
Piedmont Paving Co.
SAN FRANCISCO—Barber Asphalt Paving Co. Street, etc.), 7th & Hooper
City Street Improvement Co., Merchants' Exch bldg
Pioneer Asphaltum & Artificial Stone Pavement Co., 710 Montgomery
Standard Roofing Co., 365 McAllister

COLORADO.

DENVER—Barber Asphalt Paving Co., Quincy bldg
Colorado Paving Co. (Street, etc.), Quincy bldg
Western Realty & Paving Co. (Street, etc.), Opera House bldg
PUEBLO—Standard Construction Co., Board of Trade bldg

CONNECTICUT.

BRIDGEPORT—Bullard, W. S., 636 Water
Burns Co., 88 Fairfield & 400 Lindley
Silliman & Godfrey Co. (Street, etc.), 1119 Broad
BRISTOL—Pierson, Martin E.
HARTFORD—Hartford Paving & Construction Co., 703 Main
Watson, Alex., 283 Sheldon
NAUGATUCK—Dunn, Jer. H., 180 Church
NEW HAVEN—City Point Concrete Co.
Connecticut Concrete Co., 87 Church
Coyne Bros. Concrete Co., 250 Blatchley av
Humphrey, Jno., 33 Pine
Wartmann, Robert E., 22 Pond
WATERBURY—Byrne, C. R. A.
Excelsior Concrete Co., 17 Baldwin av
McGrath & Sons, 26 Magill

DELAWARE.

WILMINGTON—Acme Asphalt Co. (of Delaware)

DISTRICT OF COLUMBIA.

WASHINGTON—Brennan Construction Co.
Colburn Bros., Colorado bldg
Cranford Paving Co., 2620 E, N W
Washington Asphalt Block & Tile Co., S Capitol & R, S E

GEORGIA.

ATLANTA—Murphy, C. P. & Son, 6 N Forsyth
Southern Roofing Co. (Asphalt Floors)

ILLINOIS.

AURORA—Salisbery, J. E. & Co.
CHICAGO—Barber Asphalt Paving Co. (Street, etc.), Stock Exch bldg
Blome, R. S., Unity bldg
Consolidated Portland Cement Co., 6022 S. Morgan
Conway, R. F. Co. (Street, etc.), Chamber of Commerce bldg
Dolese Bros. Co., 78 Lasalle
Fulton, J. L. & Co., Monadnock bldg
Hoeffer & Co., Chamber of Commerce bldg
MacArthur Bros. Co. (Street, etc.), Fisher bldg
Parker-Washington Co., Chamber of Com
Perkins, E. B., 663 Flournoy bldg
Sackley, Jas. A. Co., Chamber of Commerce bldg
Schillinger Bros. Co., 1181 W Seeley av
Simpson Construction Co. (Street, etc.), Chamber of Commerce bldg
Smith & Brown, 78 LaSalle
Wheeler, W. W. & Co., 154 W Washington
Witt, Aug., Security bldg
HOMER—Farley, Jas. J. & Co.
PEORIA—Janssen, G. & Sons, 230 Dechman av

INDIANA.

EVANSVILLE—Anchor Roofing & Paving Co.
FORT WAYNE—Fort Wayne Roofing & Paving Co
INDIANAPOLIS—Capitol Paving & Construction Co., 601 Traction Terminal bldg
Granite Bituminous Paving Co., American Central Life bldg
Hoosier Construction Co., American Central
Smither, Henry C., 330 S Penn Life bldg
Symmes, H. H. Co., 45 Kentucky av
LAFAYETTE — Western Construction Co. (Street, etc.)

IOWA.

DUBUQUE—Key City Roofing Co.
GRINNELL—Spencer, John A.
SIOUX CITY—Houx, Frank T. Co.

KENTUCKY.

LOUISVILLE—American Standard Asphalt Co. (Street, etc.), 1st & A
Barber Asphalt Paving Co. (Street, etc.), 247 5th
National Roofing & Supply Co., 140 Main
National Rock Asphalt Co., Columbia bldg
Southern Roofing & Paving Co., 1006 W Main

LOUISIANA.

NEW ORLEANS—Barber Asphalt Paving Co. (Street, etc.), 206 Chartres
Calongne & Sargent, Hibernia Bank bldg
Catrano, Jno., 1022 Toulouse
Chevalier, A. Pavement Co. (Street, etc.), 523 St. Louis
Fath, Philip, 452 6th
Jahncke Navigation & Improvement Co. (Schillinger's), 816 Howard av
Louisiana Improvement Co., Hennen bldg
Sicilian Asphalt Paving & Construction Co., 312 Gravier
Southern Bitulithic Co., Hibernia Bank bldg

MARYLAND.

BALTIMORE—Filbert Paving & Construction Co. (Street, etc.), 1210 Block
Maryland Pavement Co. (Street, etc.), 6 E Lexington
Thormann, Jno. H. & Co., 12 McClellan

MASSACHUSETTS.

BOSTON—Boston Asphalt Co. (Street, etc.), 54 Kilby
Dolloff, C. W. & Co., 20 Central
Gore, J. Thomas, 54 Kilby
Harris, Chas., 70 Kilby
Hind, Thos. J., 45 Commercial Wharf.
Jones & Meehan, 10 Tremont
Libby, A. A. Sons Co., 161 Devonshire
Murtfeldt, W. A. Co., 161 Devonshire
Simpson Bros.' Corporation, 166 Devonshire
Taylor, E. R. Co., 164 Federal
Warren Bros. Co. (Street, etc.), 93 Federal
FALL RIVER—Archard, Richard J., 60 Murray
Burrows, Alexander, 1098 N Main
Williston, Chas. H., 171 Pleasant
Williston, Fred. A., 239 Central
LOWELL—Smith, E. A. & A. T.
PITTSFIELD—Healey, Thos. J. (Floors, etc.)
TAUNTON—Black, Wm. R., 32 Union
WEST MEDFORD—Bragdon, Louis G.
WORCESTER—Carr, Geo. W. Co., 518 Main
Jenks, H. L. & Son, 17 Freeland
Williams, A. C., 12 Shaffner

MICHIGAN.

DETROIT—Scharf, R. W., 90 Linwood av.
Schillinger Bros. Co., Illinois & Dequintre

MINNESOTA.

MINNEAPOLIS — Barber Asphalt Paving Co. (Street, etc.)
Crittenden Roofing & Mfg. Co., 918 S 4th

MISSOURI.

KANSAS CITY—Barber Asphalt Paving Co. (Street, etc.), Colonial Security bldg
Boyd, R. J. & W. M. Construction Co., Edwards, W. M., Mass bldg Heist bldg
Middleton & Son Construction Co.
Parker-Washington Co., 2309 Penn av
ST. LOUIS — Barber Asphalt Paving Co. (Street, etc), 721 Olive
Fehlig, J. Frank, 3500 Hickory
Fruin-Bambrick Construction Co., Chemical bldg
Gilsonite Construction Co. (Street, etc.), 721 Walnwright bldg
Gilsonite Roofing & Paving Co., 721 Olive
Heman Construction Co., Fullerton bldg
Hill-O'Meara Construction Co., 915 Olive
Rowland, Jos. H. Granitoid Cons. Co., 106 N 9th
Trinidad Asphalt Mfg. Co., 320 S 21st
Voigt, August, 1806 Dolman

NEBRASKA.

OMAHA—Barber Asphalt Paving Co. (Street, etc.), Bee bldg
Grant Paving Co.
Murphy, Hugh, Bee bldg
National Roofing Co., Ware blk

NEW HAMPSHIRE.

MANCHESTER—Robie Concrete Co., 936 Elm
NASHUA—Nashua Concrete Co.
Osgood Construction Co.
Tardif & Bellavance

NEW JERSEY.

HARRISON—Metropolitan Asphalt Paving Co.
JERSEY CITY — Commonwealth Roofing Co., Grove c 19th
Uvalde Asphalt Paving Co., 2 Greene
MAURER—Barber Asphalt Paving Co. (Street, etc.)
NEWARK—Barber Asphalt Paving Co. (Street, etc.), 141 Halsey
Burnett Asphalting Co., 87 James
Commonwealth Roofing Co., 22 Clinton
Empire Asphalt Co. (Street), 763 Broad
Essex County Cons. Co., 128 Market
Hetzel, J. G. (Est. of) (Floors, etc.), 67 Main
Standard Paving Co., 45 Clinton

NEW YORK.

ALBANY—Davenport, S. J. & Co., Tweddle Macuee & Rabe, 659 B'way bldg
BUFFALO—Barber Asphalt Co. (Street, etc.), 880 Ellicott sq
Burgard, Henry P. Co. (Street, etc.), 278 Lathrop
Climax Paving Co., 74 Riverside av
Crescent Pavement Co., Erie Co. B'k bldg
German Rock Asphalt & Cement Co. (Street, etc.), D. S. Morgan bldg
Gipp, L. H., 531 Ellicott sq
Wisdom Paving Co., 7th c Wilkeson
ELMIRA—Costello & Neagle
HASTINGS—Hastings Pavement Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Cranford Co., 52 9th
Eastern Bermudez Asphalt Paving Co., 26 Court
Interstate Paving Co., 44 Court Court
Mock, Isidor, 87 Debevoise
Thomas, W. H. & Bro., 26 Court
Uvalde Asphalt Paving Co., 26 Court

Boroughs of Manhattan & Bronx.

NEW YORK—Asphalt Construction Co., Madison av. & 137th
Barber Asphalt Paving Co. (Street, etc.), 30 Church
Commonwealth Roofing Co. (Asphalt Floors & Watertight Cellars), 17 Battery pl
Continental Asphalt Paving Co. (Street, etc.),
Denton & Co., 42 E 23d
Hastings Pavement Co., 25 Broad
MacArthur Bros. Co., 11 Pine
Naughton & Co., 299 B'way
Neuchatel Asphalt Co. (Ltd.), 265 B'way
New T. Construction Co., 520 W 29th
†Sicilian Asphalt Paving Co. (Street, etc.), 41 Park row
Union Construction & Waterproofing Co., 1123 B'way
Uvalde Asphalt Co. (Street, etc.), 1 B'way
Vulcanite Paving Co., 1170 Broadway
Warren Bros. Co. (Street, etc.), 253 B'way
Warner-Quinlan Asphalt Co. (Street, etc.), 79 Wall

Borough of Queens.

LONG ISLAND CITY — Barber Asphalt Co. (Street, etc.), 6th & West av

(End of New York City)

PEEKSKILL—Smith, John, Jr.
ROCHESTER—Oliver, Horace T., 328 South av
Rochester Vulcanite Pavement Co., Alexander c Erie Canal
Rock Asphalt Pavement Co., 279 South av
Warren Chemical & Mfg. Co., 49 West av
SYRACUSE—Artificial Paving Co., 1101 N State
Ballard, Stephen G., 1528 S Salina
Central City Paving Co., Kirk bldg
Central City Roofing Co., Canal c Catharine
Jaynes, Jas., 609 Midland av
Schlosser, Geo., 520 Carbon
Syracuse Improvement Co., 433 S Salina
Talbott, Thos. & Son, 240 W Water
Warner-Quinlan Asphalt Co., 433 S Salina
Whittle, Thos. E., 405 Burnet av

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TROY—Hannon, Geo., 306 2d
UTICA — Barber Asphalt Paving Co. (Street, etc.), 131 Broad
Commonwealth Roofing Co., Clarendon bldg
WATERTOWN—Brennan & O'Brien
Jones, W. C., 22 Stone
YONKERS—Pawson, J. E., ft Wells av

OHIO.

AKRON—Acme Paving & Plaster Co.
CINCINNATI — Barber Asphalt Paving Co. (Street, etc.), First Nat'l B'k bldg
Kuhl, Chas. Artificial Stone Co., 608 Reading rd
Maescher, Chas. V. & Co., 619 Reading rd
CLEVELAND—Byerly & Sons, 2484 West 4th
Clements Bros. Constr. Co., 230 Colonial Arcade
Cleveland Trinidad Paving Co. (Street, etc.), 420 Lakeside av. N E
Roehle Bros., United Bank bldg
COLUMBUS—Acme Paving Co., 408 W State
Capitol Asphalt Mastic Co., 268 Spruce
Pugh, Andrew G., Union Nat'l B'k bldg
COSHOCTON—Schrake, G. W.
DAYTON—Conley, Jas. E., Conover bldg
Dayton Asphalt Roofing & Paving Co., 16 S. Canal
HAMILTON—Andrews Asphalt Paving Co.
TOLEDO—Leith, John J., 2225 Franklin av
Schillinger Bros. Co., 215 City Park av.
YOUNGSTOWN—Chambers, J. B.
Davis & Caldwell
Joyce, M. J.

OKLAHOMA

OKLAHOMA — Barber Asphalt Paving Co. (Street, etc.), Box 966

OREGON.

PORTLAND—Marshall Bros., Chamber of Commerce bldg
Trinidad Asphalt Paving Co., Worcester blk
Warren Const. Co., Oregonian bldg

PENNSYLVANIA.

ERIE—Mayer Bros.
HARRISBURG—Galbraith, B. G.
LANCASTER—Fritchey, J. U. & Son
Lancaster Cement & Paving Co.
PHILADELPHIA—Asphalt & Concrete Paving Co., 227 S 9th
Barber Asphalt Paving Co. (Street, etc.), Land Title bldg
Block & Tile Paving Co., Harrison bldg
Columbia Artificial Stone Paving Co., 205 N 20th
Drehmann Paving Co., 2831 Parrish
Filbert Paving & Construction Co., Penna bldg
Galbraith Paving Co., 3421 N 12th
Gerhardt, Fred'k, German-American bldg.
7084 Oxford rd., Lawndale
Granitoid Paving & Construction Co., Heed
Lehigh Paving Co., 708 Cambria bldg.
Petrific Paving & Roofing Co., 3345 Market
Quaker City Paving Co., 45 N 13th
Schwartz, Jacob, 2308 N 27th
Shields, W. S. P., Asphalt Co., Witherspoon bldg
Vulcanite Paving Co., Land Title bldg
Wallace, R. Bruce & Co., Drexel bldg
PITTSBURG—Atlas Construction Co., 309 4th
Booth & Flinn, 1942 Forbes av
Globe Asphalt Co. ("Obispo Brand"), Bakewell bldg
Peabody & Filbert Co., 6812 Hamilton av
Wadsworth Stone & Paving Co., Bessemer bldg
SCRANTON—Barber Asphalt Paving Co
Dunn, Benjamin F. (Street, etc.)

RHODE ISLAND.

PROVIDENCE—Narragansett Improvement Co. (Street, etc.), 122 Public
WESTERLY—Westerly Concrete Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Roofing & Foundry Co., 720 E Montgomery av
MEMPHIS—Bartholomew Roofing Co., 164 S. 2d
Memphis Asphalt & Paving Co. (Street, etc.)
Miller, Chas. R. Paving Co., 8 N Front
Miller Paving Co., 649 Beale av
NASHVILLE—Nashville Roofing & Paving Co.

TEXAS.

CLINE—Uvalde Asphalt Co.
DALLAS—Barber Asphalt Paving Co. (Street, etc.)
Watson, Alex.
GALVESTON—Elder, L. B., 212 Tremont
Henchman, Geo. H., Mercantile & Roofing Co., 2410 Mechanic

UTAH.

OGDEN—Parry, Jos., 1743 W Wash'n av
SALT LAKE CITY—Barber Asphalt Paving Co. (Street, etc.)

VERMONT.

BURLINGTON—Moore, Eugene F., 63 Greene

VIRGINIA.

NEWPORT NEWS—Via, Geo. E.
Wallace, A. D.
RICHMOND—Armitage Mfg. Co., 3200 Williamsburg av
Veitch, W. P., 214 S 6th
VIRGINIA—Carolina Construction Co.

WASHINGTON.

SEATTLE—Barber Asphalt Paving Co. (Street, etc.), Mutual Life bldg
Barnes & Carkeek, 427 E Denny way
Stanley, Wm. & Co., Burke bldg
SPOKANE—Barber Asphalt Paving Co. (Street, etc.)

WEST VIRGINIA.

WHEELING—McGinley & Holmes

WISCONSIN.

LA CROSSE—Marden, J. H. Cement & Paving Co.
MILWAUKEE—Monsted, A. & Co., Pabst bldg
Winding & Geselschap, Pabst bldg
OSHKOSH—Flnor, Caspar
SHEBOYGAN—Ackerman, Christ.

Contractors (Building)

(See Builders, Contracting; also Contractors, General)

Contractors (Dredging)

ALABAMA.

MOBILE—Alabama Dredging & Jetty Co.
Moore, R. & Co.
National Dredging Co.

CALIFORNIA.

LOS ANGELES—Empire Construction Co.
OAKLAND—Veitch, W. T. & Bro.
SAN FRANCISCO—American Dredging Co., 6 East
Atlantic Gulf & Pacific Co., Monadnock bldg
Bay & River Dredging Co., 604 Mission
North American Dredging Co., Merchants' Exch bldg
Pacific Coast Dredging & Reclamation Co.
San Francisco Bridge Co., Monadnock bldg
STEWART, JAS. & CO., 709 Mission
U. S. Dredging Co., 237 1st

COLORADO.

DENVER — STEWART, JAS. & CO., Century bldg

CONNECTICUT.

NEW LONDON—Scott, Thomas A. Co.

DELAWARE.

WILMINGTON—National Dredging Co., 6 W 9th
Standard Dredging Co.
Wilmington Dredging Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Columbia National Sand Dredging Co., 3036 K. N W
Potomac Dredging Co.

GEORGIA.

SAVANNAH—Cunningham, W., Sorrel bldg
Georgia Dredging Co., German Bank bldg
Ross, P. Sanford, 16 Bryan, E

ILLINOIS.

CHAMPAIGN—Pollard, Goff & Co. (Inc.)
CHICAGO—Fitzsimmons & Connell Co., Tacoma bldg
Great Lakes Dredge & Dock Co., Chamber of Commerce bldg
STEWART, JAS. & CO., Fisher bldg

INDIANA.

MADISON—Kirk, Wm.

LOUISIANA.

NEW ORLEANS—Jahncke Navigation & Improvement Co., 816 Howard av
STEWART, JAS. & CO., Hibernia Bank bldg

MAINE.

PORTLAND—Eastern Dredging Co., 50 Exchange

MARYLAND.

BALTIMORE—Furst-Clark Dredging Co., Fidelity bldg
Maryland Dredging & Contracting Co., Fidelity bldg
Risley Co., Bush c Severn
Sanford & Brooks, 15 South

MASSACHUSETTS.

BOSTON—Bay State Dredging Co., 185 Summer
Eastern Dredging Co., 247 Atlantic av
Letteney, John H., 101 Tremont
Townsend, Geo. W., 202 Atlantic av

MICHIGAN.

BENTON HARBOR—Bakeman, Geo. F.
Mills, G. A., & Son.
DETROIT—Detroit Dredging Co., Moffat bldg
Griffin, M. J., 169 Stanton av
Schweikart Dredging Co., 1922 Jefferson av
HOUGHTON—Pryor, Jas., & Son.
PORT HURON — Muir-O'Sullivan Dredge & Dock Co.
SAGINAW — Hubbell, H. W. & Co., 700 N Hamilton
SAULT SAINTE MARIE—Edwards Bros. Dredge Co.
Great Lakes Dredge & Dock Co.
Hickler Bros.

MINNESOTA.

DULUTH—Duluth-Superior Dredging Co., ft 6th av, W
Great Lakes Dredge & Dock Co.
ST. PAUL—Butler Bros., New York Life bldg

MISSOURI.

ST. LOUIS—Fruin-Bambrick Construction Co., Chemical bldg
STEWART, JAS. & CO., New Nat'l Bank of Commerce bldg

NEW JERSEY.

BAYONNE—Packard, R. G. Co., ft 28th
CAMDEN—Am. Dredging Co., ft Pine
Bowers Hydraulic Dredging Co. (Inc.), 104 Penna. Dredging Co. Market
JERSEY CITY—McSpirit, Joseph A., 118 Wayne
Ross, P. Sanford, 277 Wash'n
Stillman, F. M. Co., 26 Exchange pl
U. S. Dredging & Cons. Co., 1 Montgomery
PATERSON—Lee, John R., 2d Nat'l B'k bldg

NEW YORK.

BUFFALO—Buffalo Dredging Co., D. S. Morgan bldg
Lake Erie Dredging Co., D. S. Morgan bldg

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Beard, W. H. Dredging Co., Long Dock, Erie Basin
Gahagan, Walter H., 189 Montague

Boroughs of Manhattan & Bronx.

NEW YORK—Atlantic Dredging Co., 15 Whitehall
Atlantic Gulf & Pacific Co., Park Row bldg
Beard, W. H. Dredging Co., 21 State
Brown & Fleming Cont. Co., 59 Pearl
Columbia Dredging Co., 68 Broad
Du Bois Bros. Dredging Co., 19 Whitehall
Du Bois, Henry, Sons' Co., 17 State
Empire Eng. Corporation, 71 B'way
Hayward, C., 50 Church
International Contracting Co., 17 Battery pl
Interstate Dredging Co., 17 Battery pl
Metropolitan Dredging Co., 15 Broad
Monks, John & Sons, 82 Beaver
Morris & Cumings Dredging Co., 17 State
North American Dredging Co., 15 Park row
Packard, R. G. Co., 130 Pearl
Seely-Taylor Co., 78 Broad

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Spearin & Preston, 90 West
Steers, Henry (Inc.), 17 Battery pl
STEWART, JAS. & CO., 30 Church
Taylor Dredging Co., 21 State

(End of New York City)

ROCHESTER—Brayer & Albaugh, 27 E Main

OHIO.

CINCINNATI—Sheridan-Kirk Contract Co.
Strack, Thomas P., Goodall Bldg.
CLEVELAND—American Construction Co., Rockefeller bldg
Central Dredging Co., Commercial B'k bldg
Great Lakes Dredge & Dock Co., Williamson bldg
Standard Contracting Co., Wade bldg
Strong, C. H. & Son, Cuyahoga bldg
TOLEDO—Bodette, Edward, 704 Boalt
Breymann, Geo. H. & Bros., Marine bldg
Great Lakes Dredge & Dock Co., The
Thacher, A. Q. & Co., Marine bldg Spitzer

OREGON.

PORTLAND—Columbia Digger Co., Sherlock bldg

PENNSYLVANIA.

CHESTER—Williams, Capt. Jno.
PHILADELPHIA — American Dredging Co., Mariner & Merchant bldg
Atlantic Dredging Co., Girard Trust bldg
Drake & Stratton Co., West End Tr. bldg
Fouder, Edward F. Co., Land Title bldg
Rickards Dredging Co., Girard bldg
National Dredging & Lighterage Co., Arcade bldg
River & Harbor Improvement Co., Mariner & Merchant bldg
PITTSBURG—Drake & Stratton Co., Farmers' Bank bldg
Enterprise Contracting Co., Fulton bldg
Monongahela & Western Dredging Co., Conestoga bldg
Pittsburg Dredging & Construction Co., Hartje bldg
STEWART, JAS. & CO., Westinghouse bldg

RHODE ISLAND.

PROVIDENCE—Packard, J. S. Dredging Co., 31 Market sq
Shaw, Fred'k E., 75 Westminster

TENNESSEE.

MEMPHIS—Kavanaugh Sand Co., 20 Madison

TEXAS.

GALVESTON—Bowers Southern Dredging Co.
Clarke, Charles & Co.

VIRGINIA.

BERKLEY—French, William H.
NORFOLK—Coastwise Dredging Co.
Norfolk Dredging Co., 217 Water

WASHINGTON.

SEATTLE — International Contract Co. New York blk
Puget Sound Bridge & Dredging Co. (Hydraulic), 95 Yesler Way
TACOMA—Northwest Bridge Co., California bldg
Tacoma Dredging Co., California bldg

WISCONSIN.

MILWAUKEE—Hathaway, J. E. & Co., Canal & 1st av
Lake Michigan Dredge & Dock Co., 204 Grand av
Starke, C. H. Dredge & Dock Co., Canal & Menomonie
OCONOMOWOC—Johnson & Tweeden
SUPERIOR—Whitney Bros.
Whitney Bros.

Contractors (Electric Railway)

(See Names in Contractors, General, Marked with a (†) Dagger)

Contractors (Electric Subway)

Commercial Construction Co., 114 E 28th, New York
Crosby, C. H. Co., 170 Summer, Boston, Mass.
Kohler Bros., Fisher bldg, Chicago, Ill.
National Conduit & Cable Co., Times bldg, New York
Regan, D. P., 4402 Chestnut, Phila., Pa.
Saxton, E., 841 Bladensburg rd, Washington, D. C.
Union Electric Construction Co., Bourse bldg. Phila., Pa.
United Engineering & Contracting Co., 32 E 33d, New York

Contractors (General)

(This list includes General Contractors in all towns with a population of over 5,000)

(See also Contractors, Builders)

(Star (*) indicates Railroad Contractors. Dagger (†) indicates Electric Railway Contractors)

ALABAMA.

BIRMINGHAM—*Brewer & Jones.
*Dunn & Lallande Bros. (R. R. & Sewer & Public), Cobbs & Mayberry bldg
Evans Bros. Construction Co. (General), 2231 1st av
Jefferson Contracting Co., 2228 Av A
Stockmar, Henry A., 2200 Av A
Thompson, T. C. & Bros., Title Gurantee
MOBILE—Fonde, Ray, 160 N Royal bldg
Jett Bros. Contracting Co., 306 S Water
MONTGOMERY—Cook & Laurie Contracting
Hugger Bros. Co.

ARKANSAS.

LITTLE ROCK—Dalhoff Construction Co.
McCoppin, Jos. (Sewer, etc.)

CALIFORNIA.

BERKELEY—Contra Costa Cons. Co. Grading, etc.)
Esterly Construction Co. (Grading, etc.)
FRESNO—Warswick Street Paving Co.
GRASS ALLEY—Body, W. C. D., & Bro.
LOS ANGELES—Alexander, C. A. (General)
Alpeter, Hall & Alpeter (General), Hennc bldg
*Alsop Engineering & Construction Co. (Sewer, Water & Irrigation Systems)
Atkinson, J. F. (General), Byrne bldg
Bent, Arthur (Sewer), 235 S Los Angeles
Beyrle, Robert (General), Helman bldg
*Bright & Drew, 206 S Spring
Butler, Orlando W., 145 S B'way
California Construction Co. (Breakwaters, General & Quarrymen), 324 E Market
Casey-Judge Construction Co., 106 W 3d
Clampitt, E. A. & Co., 200 Lake Shore
Clement, H. & Co., 2142 Bay av
*Coleman, R. R., 124 W 6th
Crandall, W. N. (General), Stimson bldg
Daniels, J. A., 1626 Palo Alto
Donovan-Bourland Co. (Gradings, etc.), Wilcox bldg
Doran, Brouse & Price (Oil Well), 207 S B'way
Dougan, Gringham & Co., 333 N Main
Empire Construction Co. (Ditching, Dredging, etc.)
Engstrum, F. O. Co. (General), E 5th & Colyton
Fairchild-Gilmore-Wilton Co. (Paving, etc.), Pacific Electric bldg
Fife & White (General), 207 S B'way
Ford, B. F. (Grading), Copp bldg
French, J. T. (Grading), Bryson bldg
*Grant Bros. Construction Co., Trust bldg
Griffith, Elijah (Builder & General), Currier bldg
Groat, C. E. (Excavating, Grading, etc.), Amer. National Bank bldg
Hall Construction Co. (Grading, Excavating, Sewer, etc.), H. W. Hellman bldg
Hartman-Kemper Const. Co., 224 S Spring
Hein, J. & Co. (Excavating, Grading, etc.), Copp bldg
Hickcox & Martin (General), Merchants Trust bldg
Hinsdale, F. D. Co. (Grading, etc.), 122 W 3d
Howard, P. A. & C. H. (Grading), Frost bldg
Jones & Slayden (Grading, Excavating, etc.)
Klarquist, J. A., 106 W 3d
Kubach, C. J. Co., Pacific Electric bldg
Lawton, Frank, 314 W 4th
Leonardt, Carl.
Little, W. J., Mason Opera House
McClure, Simpson (Grading), 218 S B'way
McDonald, C. F., Byrne bldg
McGuire, H. J. (Grading), Copp bldg
Maechtlen & Rice (Grading, etc.), 212 W 3d
*Occidental Construction Co., 124 W. 6th
Peasley, Wm. K. (Grading), Wilcox bldg
Ramish & Marsh (General), Wilson bldg
Richards-Neustadt Const. Co., 256 S Spring
Seelye, Orlando L., 106 S 3d
*Sharp-Hauser Contracting Co., Germain bldg
Sheldon, Melville (Grading, etc.), H. W. Hellman bldg
*Shorer, Rob't & Co., 608 S Main
Stansbury, Chas., Fay bldg
Stansbury & Powell (Sewer & Grading), Copp bldg
Tryon & Brain (Excavating), Merchants Trust Co. bldg
Ware, J. B. & Son, Frost bldg
Western Coast Construction Co. (Grading, etc.), 315 S B'way
Western Construction Co., 408 S Spring
Whittier, F. W. & Co. (Grading, etc.), 218 S B'way
Wise, L. N. (Grading, etc.), 213 S B'way Bank bldg
Yard & Hichborn (General Building Construction, etc.)
OAKLAND—Burrell Construction Co., Central Bank bldg
Cavanagh, E. (Sewer & Public), 1408 Tel
Concannon, William N., 490 Orchard av
Cotton Bros. & Co. (Bridge & Public), Hutchinson Co. (Paving, etc.), 401 14th
Lima, Louis & Co. (Sewer, etc.), 34 Telegraph av
Ransome Construction Co., 1216 B'way
Stone, E. B. & A. L. Co. (General), 900 B'way
Veitch, W. T. & Bro., 1166 Webster
Vincent, C. D. (Sewer, etc), 75 Montecito
PASADENA—Blow Construction Co.
Slavin, M.
RIVERSIDE — Wilcox-Rose Construction Co.
SACRAMENTO—Muddox, G. L. (Sewer, etc.)
Siller Bros.
SAN DIEGO—Goodbody, Michael (Grading, Excavating, etc.)
Nelson, Olof (Street Grading, Excavating, etc.)
SAN FRANCISCO—Allen Bros. & Townsend, 640 Kearny
American-Pacific Construction Co., Pacific bldg
Anderson, W. W., Monadnock bldg
Atlantic Gulf & Pacific Co. (Engineers & General), Monadnock bldg
Atlas Grading & Construction Co. (Grading), 95 Market
B. & W. Engineering Co., 127 Mtgy.
Bause, A. W., & Co., 277 Devisadero
Bauman, J. A., & Co., Williams bldg
Bay & River Dredging Co (Dredging), 604 Mission
Bibb, D. H., 95 Market
Blanchard Brown Co., 1485 48th av
Brown, D. E., 268 Market
Brown, T. S. Cons. Co. (Inc.) Masonry, Reinforced Concrete (Buildings, etc.)
Butler, Thos., Custom House
Butterworth Co., 850 Treat av
Button, I. V., 533 14th
California Contracting Co., Crocker bldg
Campbell, Jas. (General), Chronicle bldg
Carnahan, E. E., & Co., Pacific bldg
Cartera, F., & Co., Williams bldg.
Cassaretto, John, 3d & Channel
Chadwick & Sykes (Inc.), Crocker bldg.
Chick, Edward A., & Co., 2060 Market
*City Construction Co. (Railroad, Tunnel, Ditching, etc.), Lick bldg.
†City Street Improvement Co. (Street, Electric Railroad, etc.), Mercantile Ex bldg
Coast Improvement Co., 18 Shotwell
Coast States Construction Co., 503 Market
Concanon, Wm. N., Co., 112 Market
Condon, McGlyn Co. (The), 789 Mission
Consani & Massagli, Turk & Masonic avs.
Corwin & Fitzpatrick (General), Lick bldg.
Days, Thos. H., & Sons, Monadnock bldg
Delanoy & Randlett, 198 Jessie
Demattei, G. B., & Co., 225 Point Lobos
Demattei, L., & Co. (Grading), 8 Avery
Dibert, L. C., Co., 400 7th av
Diver & Lewis, 24 Oak Grove av.
Dowling, J. A., Russ bldg
Downey, John, 2910 25th
Dreyfus Bros., 339 Montgomery
Empire Construction Co., 787 Market
Fay, Charles W., Mutual Sav. Bk. bldg
Fay, Stanley J., Mutual Sav. Bk. bldg
Fennell Bros., Chronicle bldg
Finch, Chas. M., Monadnock bldg
Fisher, M., Co., Pacific bldg
Franks, J. C. (Dredging), Grant bldg
Fuller, George A. Co. (Builders, etc.), Monadnock bldg
Gale, M. F., & Son., 185 Stevenson
Gartland, P. J., 3379 16th

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Giannone, A., & Co. (Grading), Turk & Gilbreth, Frank B., 16 Cal. Masonic
Gnecco, M., & Co., 36 Wood
Gomperts, Chas. W., 120 Bush
Greely, Jno. (Grading), 326 8th av
Greenfeld, A., 27 3d
Gutleben Bros., Monadnock bldg
Hageman Contracting Co., 4th & Illinois
Hampton, Richey Co., Monadnock bldg
Hannah, J. D., 614 B O'Farrell
Harney Bros., 3619 18th
Harney, J. G. (Street), Pacific bldg
Harris, H., 724 Gough
Harrelson-Grau Co., Union Trust bldg
Healy-Tibbitts Construction Co. (Excavating, Fireproof Construction, etc.), 268 Market
Helbing, Wm., 1420 Market
Hicks, Lewis, & Co., Humboldt Bk bldg
Hinchman, Clement Co. (Inc.), The, 26 Montgomery
*Hyde, Harjes & Co. (Bridges, etc.), 112 Market
Ince, John C., Construction Co. (Heavy Masonry, Mill Construction, etc.)
Iron & Steel Contracting Co. (Iron & Steel), 217 So. Bruno av
Jones, Wm. G., 900 Sutter
Karp, Henry, 711 Valencia
Kehrlein-Swinerton Construction Co., 8th & Howard
Kerr & Monroe, 412 Grant av
Kittle Construction Co. (General Concrete Construction, etc.), Balboa bldg
Klenck & Zacharias, Monadnock bldg
Klyce, Harvey A., Monadnock bldg
Kruttschnitt-Woods Co., Monadnock bldg
Land & Nugent, 2165 Market
Lavanway & Malloy, 116 California
*Layden, Darby (Bridge & Dock, Sewer, etc.), 219 Stewart
Lennon, J. E., 362 Church
Lilley, Thurston Co. (The), 82 2d
Long & Hoyt Co. (Builders & General)
McCarthy-Corcoran Co., 15 2d
McCullogh Contracting Co., 2023 Market
McEachern & Chipchase, 309 7th
McFadden, P., 36 Potrero
McGinn, G. W., & Co., Monadnock bldg
McHugh, Owen (Excavating & Grading), 710 Baker
McHugh, Peter J. (Street), 3908 Clay
McKay, Jno. H., 3499 Sacramento
McKillican Bros., 338 Pine
McLaughlin & Walsh, Marston bldg
McLellan, E. W., & Co., 1038 Polk
McPhee Co. (Stone & General), 16th & Carolina
Mahony Bros., Crocker bldg
Masow & Morrison Monadnock bldg
Mensch, L. J., 42 Market
Millar, Lawson & Jardine, 660 Market
Miller, George E. Contracting Co. (Inc.), 710 Montgomery
Mortenson Construction Co., 19th & Indiana
Moller, R. W., Pacific & Montgomery av
Muir, Reginald L., 3553 17th
North Amer. Dredging Co. (Dredging), Mer. Exch. bldg
O'Brien, Jas. H., Croker bldg
O'Brien, J. J. Construction Co., 15 2d
O'Connor, Daniel J. (General), 3689 Sacramento
O'Day, Daniel, Co. 96 Belcher
Ohno, J., 2823 25th
Pacific Construction Co., 16 California
*Pacific Improvement Co., Croker bldg
Palmer & McBryde, Monadnock bldg
Petersen, H. L. (Foundations, Reservoirs, Reinforced Concrete, etc.)
Pettus, T. A., Mechanics' Bank bldg
Priddle, Arthur, 185 Stevenson
Ramsden, Griffith & Co., 185 Stevenson
Rassaert, Oscar, 417 Montgomery
Robertson Bros., 39 Morris av.
San Francisco Teaming Co., 500 Hampshire
Scofield Construction Co., Balboa bldg
Sheehan, John R., & Co., 350 Post
Simmie, T. W., Co., 1768 15th
Smith, Delmar Co. (Engineers & Contractors), Kohl bldg
Smith, Rice & Co. (Riggers & Contractors), 118 Howard
Smith & Watson Co., Lick bldg
STEWART, JAS. & CO., 709 Mission
Summit Construction Co., Kohl bldg
Stone, E. B. & A. L., Spreckles bldg
Streshley, Geo. L., 3922 24th
Sugiya, I., 1516 Geary
Thompson-Starrett Co. (Builders, etc.), Bush & Kearny
Thomson Bridge Co. (Bridge, Sewer & Public), 103 Main
Union Contracting Co., 334 Kearny
United States Dredging Co. (Dredging), 237 1st
Vonder Horst Bros. (Inc.), (Builders & Reinforced Concrete, etc.)
Walker, P. J., Monadnock bldg
Warren Improvement Co., 107 Montgomery
Webster-Mace Construction Co., Merchants Exchange bldg
Wright, McCoy, Contracting Co., 3108 Buchanan
Yorston, W. K., Metropolis Bank bldg
SAN JOSE—Ward, Joseph (Sewer, etc.)
Ward, Joseph (Sewer, etc.)
Wehner, C. W. (Street, etc.)
STOCKTON—Moreing, Lewis (Large, Railroad Grading, etc.)

COLORADO.

DENVER—Bradbury, W. C. & Co., Rd. bldg
Denver & Pueblo Construction Co., Railroad
Farrar & Guy, Quincy bldg bldg
Gaffy & Keefe Cons. Co., Exchange bldg
STEWART, JAS. & CO. (Harbor, Marine & Heavy Buildings), Century bldg
PUEBLO—Shutt Improvement Co. (Grading, etc.)

CONNECTICUT.

ANSONIA — Curtiss, James G. (Excavating, Grading, etc.)
BERLIN—Berlin Construction Co.
BRANFORD—Sliney, John T.
BRIDGEPORT—Biltz & Co. (Sewers, etc.), 83 Fairfield av
Casey & Hurley, 120 Pequonnock
Costigan, Jno. (Excavating, Grading, etc.), 832 Ogden
Ford, Mich'l H. (Excavating, Grading, etc.)
Pierce, B. D., Jr., Co. (Macadam Roads, Sewers, etc.), 122 Bank
Pierce Mfg. Co. (Sewers, etc.), 95 Wall
BRISTOL—Condon, Pat'k H. (Excavating)
DANBURY—Sweeney, Peter
DERBY—Fagan, F. H. Co. (Excavating, etc.)
Madorno, P. (Grading, Excavating, etc.)
GREENWICH—Christiano, Joseph
Cumiskey, James
Hannard, Howard
Larsen Bros. & Co.
Smith, W. J.
HARTFORD—Angus, Wm.
Balf, Edward, Co. (Excavating, etc.),
Cook, Charles C., 401 Trumbull 26 State
Hartford Paving & Construction Co. (Paving
Loomis, Chas. & Public), 703 Main
McKone Bros.
Southern, N. E. Paving Co. (Paving), 26 State
LITCHFIELD—Switzer, George J.
MERIDEN—Kearney, Thomas (Road)
Lane Construction Corp. (Water Works, Sewer, Roads, etc.)
Maloney, M.
Suzio, Leonardo (Road, Excavating, etc.)
Tryon, Charles W. (Road)
MIDDLETOWN—Brazos, A. & Sons (General)
Donahoe Bros. (Excavating, Grading, etc.)
MILFORD—Clark, Elbert N. (Road)
NAUGATUCK—Dunn, J. H. (Sewer, Excavating, etc.)
NEW BRITAIN—Cadwell, Chas. B. (Sewers, Roads, etc.), 213 Main
Griswold, A. R. (Sewer), 76 Prospect
Lyman, A. A. (Sewer & Grading), 13 Franklin sq
NEW HAVEN—Aetna Cons. Co., 86 Church
*†Blakeslee, C. W. & Sons (Railroad, Sewer, Paving, Masonry, etc.), 58 Waverly
Brazos, F. (Excavating, Sewer, etc.), 808
Carmichael, D. G., 902 Chapel Elm
Colwell, Philip (Sewer, etc.), 21 Gilbert
Cullen, Thos. (Excavating, etc.), 889 Whal-
*Lathrop & Shea, 23 Church ley av
New England Improvement Co., 15 River
Sherman, Jno. L. & Son (Grading, etc.), 253 1st av. W. H.
Thompson, J. P. (Excavating, Grading, etc.)
Upson & Grannis Contracting Co., 116 Franklin
Whitby, Jos. B. (Excavating & Sewer), 312 Dixwell av
NEW LONDON—Andre, Benjamin (Excavating, etc.)
*Fitzgerald, J. E. Co. (Railroad & Masonry)
Grane, John G. (Excavating, Grading, etc.)
Scott, T. A. Co. (Dredging, Pile Driving)
NORWICH—Carpenter, Albert N. (Street, etc.)
Torrance, Archibald (Sewer, Railroad, Public Work, Waterworks, etc.)
Williams, C. M. (General)
TORRINGTON—Robbiati, Ambrose (Sewer)
WATERBURY—Contaldi, Pasquale (Excavating, Sewer, Railroad & Waterworks)
D'Auria, Frank
Keating & Eagan (Sewer)
McManus, Edw. (Sewer & Public)
†New England Engineering Co. (Electric
*O'Brien Construction Co. Railway)
Spinach, Henry (Excavating, Grading, Sewer, etc.)
WILLIMANTIC—Latham & Crane
WINSTED—Carey, J. F. (Grading, Waterwork & Public)

DELAWARE.

WILMINGTON—Reed, A. S., & Bro. Co. (Public Work, Bldg. & Masonry, 815 Shipley
Stewart & Donohue (Concrete Work)
Tatnall-Brown Co., 109 King

DISTRICT OF COLUMBIA.

WASHINGTON—Allen, W. H. H., 612 F, N. W.
Beall, R. J. Construction Co., 1217 F, N W
Boiseau, R. E. (Grading, Excavating, etc.) 3247 Prospect av, N W
Brenizer, Warren F., 63 R, N. W.
Brennan Construction Co. (Generl Engineering Contractors), ft 31st N. W.
Burgess & Parsons, 027 F, N W
Carmody, Frank S. Construction Co. (Public Work), 1413 G, N. W.
Cassel, Edwin D. (Excavating, Grading, etc.), Lawrence bldg
Cowsill, Arthur (General), Colorado bldg
Cranford Paving Co. (Caisson & Bridge Foundations), 2620 E, N. W.
Fahey & Co. (Excavating), Washington Savings Bank bldg
Gummell, Edw. G. (Sewer & Public) 612 F, N. W.
Hoffman Engineering & Contracting Co., 835 Del. av, N W
McMullen & McDermott, 835 Del. av, N E
McNamara, Martin (Paving, etc.)
Nolan, John H., 1413 G, N. W.
Norcross Bros. Co., Colorado bldg
Pavarini & Wyne, Munsey bldg
Richardson & Burgess (Inc.) Colorado bldg
*Rinehart & Dennis Co. (Railroad, etc.), Colorado bldg
Rusk, Robert V., 472 La. av, N. W.
†Saxton, E. (Paving, Sewer, Conduit Systems, etc.), 841 Bladensburg rd
Shehan, Daniel M. (Excavating, etc.), Bond bldg
Spitzer, G. C., Home Life bldg
Stutler, Warner, 400 5th, N W
Thompson-Starrett Co. (Large Builders, etc.), Commercial National Bank bldg
Walker, Littleton W., Reservoir, N. W.
Wickline & Campbell, 1316 G, N W
Yost, William H. & Bro. (Public Work), 1002 Pa. av., S. E.

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JACKSONVILLE—Baker, D. M.
Burwell & Hilyer
*Cotter, William T.
Halsema-Woodcock Construction Co.
Ross, R. G., Contracting Co. (Public & Government Work)
Stockton, Jno. C. N. (Municipal Work)
KEY WEST—Kerr, William R.
PENSACOLA—Davis, L. M.
ST. AUGUSTINE—McGuire & McDonald (General)

GEORGIA.

ATLANTA—Booth, Samson (Grading), Inman bldg
*Callahan Construction Co., Century bldg
De Leon, M. (General), Fourth National
Donaldson & Pierson Bank bldg
Dysard Construction Co., 716 Austell bldg
General Contracting & Construction Co., 527 Candler bldg
Goodwyn, T. H., Fourth Nat'l B'k bldg
Griffin, W. W.
Gude & Walker, 713 Prudential bldg
Hall-Illges Co., Candler bldg
Hinman, George B. (Concrete & Masonry Dams, etc.), Austell bldg
McKenzie, De Leon Construction Co.
Miles & Bradt Co., Austell bldg
Phelps, W. B. (Grading, etc.), 706 Highland av
*Smith, W. B., 700 Highland av
Southern Ferro Concrete Co. (Concrete Construction), 344 Equitable bldg
Stallings, A. S., 2½ N Broad
COLUMBUS—Barlow, George M.
Barlow, Malpheus C.
Hardaway, Benjamin H. (Bridges, Dams, etc.)
MACON—Jones Bros.
Patterson, A. L. & Co.
Wilder & Paullin
SAVANNAH—Nesseler Contracting Co., Sorrel
*Powers, D. & Co., 104 Bryan bldg
*Ross, P. Sanford (River & Harbor), 16 B
Von Eberstein, F. A. & Son

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CHICAGO—Adams, Wm., Co., 145 La Salle
Agnew, John P. (Street & Public), 79 Dearborn
Alling Construction Co., 340 5th av
*American Ballast Co., 188 Madison
American Concrete Co., 184 La Salle
American Engineering & Construction Co. 112 Clark
Andersen, Charles C. (Excavating, etc.), 87 Washington
Angus Bros. & Co., 188 Madison
Appel, Henry & Son, 172 E Washington
Avers, F. G. & Co. (Builders, etc.), 69 Dearborn
†Badt, F. B. & Co. (Electric Railway), Monadnock blk
*Bates & Rogers Construction Co. (Engineers & Contractors), 355 Dearborn
Behel, Wilbur F., 112 Clark
Benson & Peterson, 62 N 51st
Blain, Frank R., 5014 Grand boul
Blocki & Brennan Co., 330 Dearborn
Blome, Rudolph S. Co., Unity bldg
*Bracey, Smith H., 143 Dearborn
Brown Bros., 330 Dearborn
*Brown, F. S. (Heavy Masonry, etc., 240 Lasalle
Brownell Improvement Co. (Street, Public Work, etc.), Chamber of Commerce
Builders' Construction Co., 79 Dearborn
Bulley & Andrews, 115 Dearborn
Burkhardt, Chas. & Co. (Excavating, Grading, etc.), 5627 Augusta
Burrell Engineering & Construction Co., 108 La Salle
Bushnell, Charles C., 138 Washington
Byrne, M. P. Construction Co. (General), 88 Washington
Byrne, Thos. S. (Concrete Foundations, Pile Driving, Sheet Piling, Dams, Waterworks, etc.), 5502 S Halsted
Calumet Concrete Construction Co., 449 W 111th
*Calumet Construction Co., 234 La Salle
Campbell, Arch M., Rookery bldg
Canal Construction Co. (Excavating, etc.), 188 Madison
Carnegie, J. L. & Son, 85 Dearborn
Carson, C. E. Co., 159 La Salle
Carter Construction Co., 196 La Salle
Chicago Drainage Cons. Co. (Sewer), 124 Quincy
*Chicago Engineering & Const. Co. (Steam & Electric Railways, Concrete), Monadnock bldg
*Christie & Lowe (Eng. & Contractors), 171 La Salle
Citizens' Cons. Co. (Excavating, Grading, Sewer, Street, etc.), 138 Washington
Clark Construction Co. (Builders, Public & Dredging), 2 Sherman
CLARK, C. EVERETT CO. (Builders, etc.), 100 Washington. (See adv index, end of book)
Cleary Construction Co., 56 5th av
Condon Construction Co., 79 Dearborn
Continental Bridge Co., Monadnock bldg
Conway, R. F. Co. (Brick, Paving, etc.), 138 Washington
Cooper, John S. (Excavating, etc.), 450 Indiana
*Co-Operative Construction Co., 75 Monroe
Corlett, John D., 138 Washington
Crilly, Wm. M., Co., 167 Dearborn
Croake, R. D. & Son, 134 Washington
Croake & O'Brien, 145 La Salle
*Cullen-Friestedt Co. (Inc.), Tribune bldg
Daniels, Oscar Co., 79 Dearborn
Demling & Wendt, 84 La Salle
Dillon, Jno. & Co., 172 Washington
Dolese, Wm. G. (Grading, etc.), 78 La Salle
Dolese & Shepard Co. (Paving, etc.), 134 La Salle
*Dorwin, W. E. & Co., 9 Jackson boul
Dowling & Rutherforad, 99 Randolph
Economic Engineering & Cons. Co., 98 Jackson boul
Egan & Co., 138 Washington
Eilenberger, H. & Co., 153 La Salle
Ekal Construction Co., 98 Jackson boul
Empire Construction Co., 108 La Salle
Erickson Bros., 84 La Salle
Ericsson, Henry (Heavy Masonry, etc.), 84 La Salle
Ewen, John M. Co. (Builders & General), The Rookery
Falkenau Construction Co. (General), 108 La Salle
Farwell, H. C. Co., 145 La Salle
Federal Improvement Co., The Rookery
*Fitzsimmons & Connell Co., 131 La Salle
Flanedy, E. J. & Son, 176 W Van Buren
Forcey & Costello, 1301 W Madison
Ford & Phillips, 18 Lomax pl
Foundation Co., 77 Clinton
Fralick, J. W. Co. (Construction of every Description, Buildings, etc.), 3343 Cottage Grove av
Fuller, George A. Co. (Builders, etc.), 1027 Marquette bldg
Fulton, J. L. & Co. (Paving, etc.), Monadnock blk
Gallery, John J., Co., 138 Washington
General Concrete Cons. Co., 315 Dearborn
Gerlach, Max (Excavating, etc.), 60 W Belmont av
*Gerlach, Robert O. (Excavating, Grading, etc.), 984 W Fullerton av
Giant Construction Co., 115 Dearborn
Gilsdorff, Henry & Sons, 163 Randolph
Gindele Bros. & Co. (Builders), 112 Clark
Gindele, Chas. W. Co. (Builders), 3333 Lasalle
Gobel Construction Co., 167 Dearborn
Goldie, Robert Co., 153 La Salle
Grace, Wm. Co. (Builders & General), 1408 Wabash av
Great Lakes Dredge & Dock Co. (River & Harbor), Chamber of Commerce bldg
Griffiths, Jno. & Son (Fire Proof Buildings), 135 Adams
Gunderson, S. T., & Sons, Chamber of Commerce bldg
Hanreddy, Joseph, 79 Dearborn
Havemeyer Construction Co., 145 La Salle
Hawkins Construction Co., 214 Clark
Healy, Jno. M. Co. (Sewer), 112 Clark
Healy, Wm. F. (Sewers, etc.), 97 Clark
Heineman, J. A. & Co., 85 Dearborn
Henderson Co., 99 W Randolph
*Henderson, Horace P., 225 Dearborn
Hennessy Bros. Co. (Builders & General), 308 Dearborn
Heyworth, James O., 234 Michigan av
Hill Construction Co. (Round Houses, Machine Shops, etc.), 171 La Salle
Hinchliff, Geo. Co., 188 Madison
Hoeffer & Co., Cham. of Commerce bldg
Hodges, Stewart, 84 Lasalle
Hoffman, W. L. Co., 246 W 47th
Hoffman & Barnett, 134 Washington
Hyde, Chas. E. & Co., 85 Dearborn
Illinois Improvemaent & Ballast Co., 115 Industtrial Cons. Co., 54 N Clinton Adams
*Inland Construction Co., Tribune bldg
Inter-State Contracting Co. (Excavating, etc.), Monadnock bldg
Iverson, E. & Sons (General), 139 La Salle
Iwema, B. & Co. (Excavating, etc.), 806 W 13th
*Jackson, George W. (Inc.) (Engineers & Contractors, Subways, Tunnels, Heavy Foundations, etc.), 169 W Jackson boul
Jensen, Hans P. (Excavating, Grading, etc.), 212 Pierce av
Jensen-Jensen Co., 134 Washington
Jubb & Eshelman, 84 Washington
*Kearns, T. A. Co. (Bridges, Docks, etc.), 279 Dearborn
Kelly-Atkinson Construction Co. (Builders, etc.), 188 Madison
*Kenefick Const. Co. (Railroad, etc.), The Rookery
Ketler-Elliott Erection Co., 112 Clark
*Kinser Cons. Co. (General), 9 Jackson boul
†Kohler Bros. (Engineers & Contractors, Complete Power & Lighting Equipment), Fisher bldg
Krietenstein Bros., 107 Dearborn
Krug, Henry A. (Excavating, etc.), 616 32d
Krug, Wm. & Son (Excavating, etc.), 3927 Prairie av
Laffler, A. J. & Co., 185 Dearborn
Lanquist & Illsley Co. (General), 393 N Clark
Leafgreen Construction Co., 145 La Salle
Leonard Construction Co. (Engineers & General Contractors, Warehouses, Mfg. Plants, Railway Buildings, Power Houses, etc.), Jackson boul
Ledgerwood, Angus J. C. (Builders, etc.), 184 La Salle
*Lorimer & Gallagher Co. (R. R., Canal, Masonry & Heavy Concrete), 217 La Salle
Lyman, Jas. & Co. (Public Work), 59 Clark
Lynch, James J., 138 Washington
McAllister Bros. (Excavating, Grading, etc.), 4744 Justine
McCarthy, John H. (Sewer, etc.), 84 Lasalle
McCarthy, Wm. E. (Large), 145 La Salle
McCarty Bros. (Builders), 134 Monroe
McGarry, John A., & Co., 188 Madison
McGovern, M. H., Co. (Paving, etc.), 138 Washington
McKeown Bros., 4817 Cottage Grove av
McMahon, James A., 500 W. Jackson boul
McMillan, Neil, 164 Dearborn
*MacArthur Bros. Co., 277 Dearborn
MacDonald Engineering Co., Monadnock blk
Mace, Alfred, 159 La Salle
Magee, Chas. J., 1624 W Monroe
Marshall & Fox, 40 Cedar
Melling & Walther, 84 Lasalle
Metcalf, John S. Co., 184 La Salle
Metropolitan Engineering & Construction Co., 205 La Salle
Meyer, H. P. Co., 32 N State
Midland Construction Co., 206 La Salle
Mills, Chas. W., 131 Lasalle
Morava Construction Co., 204 Dearborn
Moreland, H. D. Co., 97 Clark
Mortimer, Wm. H., & Son, 134 Monroe
Moses, Chas. A. Construction Co., 138 Washington
Mueller, Paul F. P. (General), 109 Randolph
Muller, Franklyn R. & Co., 72 N May
Municipal Engineering & Contracting Co. (Sewer, etc.), Railway Exchange bldg
†Myers, L. E. Co., Monadnock blk
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Nelson-Secord Cons. Co., W 119th c S Halsted
Nielsen & Lewin, 84 La Salle
NEW YORK CONTINENTAL Jewell Filtration Co. (Government, Municipal, Industrial & Railroad Work), 167 Dearborn. (See adv. index, end of book)
Nicholson Bros. Co., 856 Dearborn
Nielsen, S. N. & Co., 1014 Augusta
Noel Construction Co., 108 La Salle
*†North American Railway Construction Co. (R. R.), Monadnock blk
O'Connor, J. P. & J. W., 188 Madison
Olson Bros., 6501 Peoria
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Pfanmueller Engineering Co. (Power Plants, etc.), 164 Dearborn
*Phee, Thos. & Co. (General), Grand Central Pass Station
†Phoenix Construction Co. (Waterworks & Public), 277 Dearborn
Pillinger Bros., 109 N. Park av
Pittsburg Cons. Co., 3932 S Halsted
Pleas Concrete Construction Co., 160 Washington
Porter, Chas. M. (Sewer, etc.), 84 La Salle
Pottinger, Robert Co., 400 W Irving Park boul
*Pound Engineering & Cont. Co. (Railroad, etc.), The Rookery
Powell Bros., 134 Washington
Purcell Bros. (Excavating, Grading, etc.), 1509 W 12th
Quinn, Joseph (Excavating, etc.), 1623 W Chicago av
Reece, H. C. & Son, 682 S Union
Regnell, B. J. & Co., 131 La Salle
Remington-Curtice Co., 42 Madison
Rennacker Construction Co., 145 La Salle
*Republic Construction Co. (R. R. & Public), 131 La Salle
Roberts Bros., 123 Lasalle
Roberts & Schaefer Co. (Complete Coal Mining Plants, Power Houses, etc.), Old Colony bldg
Robinson, John C. & Son, 122 Monroe
Rodatz, Jacob (Masonry & Public), The Rookery
Rodgers Co., 98 Jackson boul
Roemheld Construction Co., 171 La Salle
Roney, Wm. H., Monadnock blk
Ross, Alexander M., Monadnock blk
Sackley, Jas. A. Co. (Paving & Public), 307 Chamber of Commerce bldg
Salomon, Mark Co., 279 Dearborn
Scharmer, Jacob, 215 Dearborn
Schmidt, J. F. Bros. Co., 95 Clark
Scott & Hunter Building Co., 91 Dearborn
Scoullar Contracting Co., 108 La Salle
Scown, Wm. J. Building Co., 115 Dearborn
*Scribner, Gilbert H., Jr., 184 La Salle
Seckner Co., 145 Van Buren
Severin, Nels P., 101 Washington
Shields, R. P. & Son, 121 Lasalle
Snyder, J. W. (Heavy Masonry, etc.), 160 Washington
Sollitt, Oliver Co. (Masonry & Public), 164 Dearborn
Sollitt, Ralph & Summer Co., 10 Adams
Sorensen, H. C. P. & Sons, 7544 Kimbark av
Specker, T. J. (Excavating, etc.), 5043 Lasalle
Standard Concrete Cons. Co., 184 La Salle
Standard Cons. Co. (Engineers & Contractors), First National Bank bldg
Stebbings, W. L. (Steam & Electric Railways, Location & Construction, Bridges, Trestles, Freight & Passenger Stations, Coaling Stations, Round Houses, etc.), Monadnock blk
STEWART, JAS. & CO. (Harbor, Marine & Heavy Builders), Fisher bldg.
Stone & Green, 98 Jackson boul
Strandberg, E. P., & Co., 106 La Salle
Stresenreuter Bros., 138 Washington
STROBEL STEEL CONSTRUCTION Co. (Steel Structures, etc.), Monadnock blk
Stubbs, J. E. Contracting Co., 315 Dearborn
†Summers, L. L. & Co. (Power & Lighting Equipment), First National Bank bldg
Swift, Geo. B. Co. (Builders), 188 Madison
Thompson-Starrett Co. (Building Construction), 277 Dearborn
Todd, James & Co. (Masonry & Public), 145 La Salle
Union Construction Co., 91 Dearborn
Union Engineering & Construction Co. (Engineers & Construction), First Nat'l Bank bldg
United Construction Co., 98 Jackson boul
Volkmann, Chas. & Co., 184 Dearborn
Waful & Deuchler, 204 Dearborn
Walsh & Masterson, 95 S Clark
Warner Construction Co., 112 Clark
Warren Construction Co., 817 North av
Washington Construction Co., 84 La Salle
Watson, R. B. Co., 303 Dearborn
Weary, Edwin D., First Nat. Bank bldg
Weber Co. (Sewer & General Concrete Work), 204 Dearborn
Wells Bros. Co., Monadnock blk
†**WESTINGHOUSE ELECTRIC &** Mfg. Co. (Electric Power Installation). (See adv. index, end of book)
*Weymouth, Harry, 125 La Salle
White, Nicholas F. (Excavating, Grading, etc.), 1409 Millard av
White, Thos. M. (Excavating, etc.), 1071 S Robey
Williams & MacRitchie, 153 La Salle
†Wise, Clift, 315 Dearborn
Witherspoon-Englar Co., Monadnock blk
Wolfinger, Clarence I., 78 La Salle
Yauger & Co., Chamber of Commerce bldg
Zad ck, B. M. Co., 135 Adams

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Keeley & Gaylord
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ELGIN—Kenyon Bros.
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Falcon, Joseph G.
Wigginton, James (Sewer, Paving & Public Work)
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Dougherty, J. M. (Sewer)
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Miller, Joseph & Sons, 530 S Washington
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Simons, Peter (Paving, Sewer, etc.)
Steinbach Bros. (Bldrs. & General)
Vonderhaar, Theo. (Paving etc.)
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Western Engineering & Contracting Co.
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*American Engineering Co., Traction Terminal bldg
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Bossert, William (Sewer & Street), 216 W 11th
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Caldwell, Marion, 145 E Market
*Carter Construction Co., Traction Terminals bldg
Dollman, Henry L., 146 E Market
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Keller, Julius Construction Co. (Sewer & Municipal)
*Keystone Construction Co., Traction Terminal bldg
Lackey, F. E. (Street, etc.), 3003 Macpherson av
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McCray, George W. (Street), Baldwin bldg
MacPherson & Strickler, Majestic bldg
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Milliken, Isaac W., Law bldg
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Pierson, J. C. & Son (General), 230 E Ohio
Sedvert, Herman W., Lemcke bldg
Sells, Corbin P. (General), 1901 Talbot av
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Shipe & Turner (Excavating, etc.)
Webster, Lewis H. (Sewer)
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WINCHESTER—Moorman & Goodrich & Public Work)

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*Johnson, E. S., Co.
Kahl Construction Co. (Municipal & Pub-
*List & Gifford Construction Co. lic)
McCarthy Improvement Co.
Nebergall, J. Frank (Building & General)
People's Construction Co. (Bridges, Con-
*Purcell Construction Co. crete, etc.)
Tri-City Construction Co. (Builders & Gen-
*Walsh Construction Co. eral)
DENISON—Gary, A. J.
DES MOINES—Cram, Frank, 505 Grand av
Herrick, Oliver P. (Municipal), 107 Docust
Lovell, Walter D.
*Magden & Sheely, Clapp bldg
McGorrisk, John B.
Stark, N. M. & Co. (Paving & Bridge)
Turner, Roland Co. (Sewer, Waterworks.
DUBUQUE—O'Farrell Contracting Co. etc.)
IOWA CITY—Horrabin, William (Paving & Sewer)
KEOKUK—*Cameron, McManus & Joyce (Levee, Railroad Sewer & Public)
*McManus & Tucker (Railroad & Public)
OSKALOOSA—Carlon Construction Co. (Paving, etc.)
OTTUMWA—Ottumwa Brick & Cons. Co.

KANSAS.

ATCHISON—Schaeffer, George H. T. & Co.
CHERRYVALE—Cherryvale Construction Co. (not inc.)
COFFEYVILLE—Plunkett & Clark (Sewer, etc.)
COTTONWOOD FALLS—*Chase County Stone
FORT SCOTT—Hornaday, Grant Co.
IOLA—Gilfillan, R. S., & Son (Paving)
KANSAS CITY—Columbia Construction Co.
Meyn, F. C. (General), 724 Kansas av
Thompson, F. A. (General), 630 Quindaro
LAWRENCE—Dolley & Moody Construction Co.
Schneider, E. H. F.
LEAVENWORTH — McGonigle, James A.
STRONG—*Lantry Contracting Co. (Large)
TOPEKA—Blanchard Cons. Co.
Capitol City Vitrified Brick & Paving Co. (Sewer, etc.)
Cuthbert & Sargent (General)
Hedderman, Henry
Spencer, F. M.

KENTUCKY.

COVINGTON—Craig, John J., 24 W 9th
Stevens, J. R. Co., Farmers & Traders Bank bldg
FRANKFORT—General Supply & Construction
HENDERSON—Bailey & Kroener Company
LOUISVILLE—Baumeister, Henry
Bickel, Henry Co. (Grading & Excavating), 1048 Garden
Clark, L. R. (General), 648 W Jefferson
Figg, L. R. (General), 243 6th
Gott, Fred. Tyler bldg
Home Building Co.
Minor, J. S., & Son (General), 312 W. Jefferson
National Roofing & Supply Co. (Paving), 140 W Main
Rommel Bros. (General), 915 E B'way
Sibler, Jos. & Co. (General), 1120 26th
Southern Roofing & Paving Co., 1006 W Main
Struck, Alferd, Co.
Wirth, P., & Son
LUDLOW—Grant, A. V. C.
NEWPORT—McLane, John B., & Co.
Spinks, Harry C. (Street Work), 121 E. 6th
PADUCAH—Katterjohn, F. W., Construction Co.
RICHMOND—Mason & Hanger Co.

LOUISIANA.

ALEXANDRIA—Hull, F. B., Construction Co.
LAKE CHARLES—Maginnis & Reimers
NEW ORLEANS—Barnes, D. H.
Calongne & Sargent (Paving), Hibernia Bank bldg
Carey, W. T. & Bro., 630 Camp
*Christie & Lowe, Norris bldg
Cook & Laurie Contracting Co., 527 Canal
Craven, J. A. & Co. (Paving, etc.), 1332
Dameron & White, Hennen bldg Tulane av
Dannenman & Charlton (Ltd.)
Egan, Thomas
Gardner, J. H. Cons. Co., 505 Tchoupi-
General Contracting Co. toulas
Grasser Contracting Co. (Paving, etc.), Hennen bldg
Irwin Bros. (Sewers & Public Work), 627 North
Koch, Julius
Kracke & Flanders, 630 Gravier
Moody, S. D., & Co. (Ltd.)
Muir & Fromherz, 211 Camp
O'Herron, M., & Co.
Orleans, Chas. A., 319 Carondelet
Orleans Engineering Co. (Waterworks, Sew-
Ruppel, A. ers, etc.)
Toledano & Wogan
STEWART, JAS. & CO. (Harbor, Marine & Heavy Buildings), Hibernia
Tranchina, D. & J., 1104 6th Bank bldg
SHREVEPORT—Bushy, J. L.
Chatwin Bros. Riprap & Cons. Co. (Street & Public)

MAINE.

AUGUSTA—Puriton Bros. Co.
HULLS COVE—White & Carpenter
KENNEBUNK—Ward Bros. & Co. (Large)
LISBON FALLS—Applebee, C. E.
LEWISTON—*Bearce & Clifford Construction Co. (Railroad, Sewer & Masonry)
PORTLAND—Bennett, Wm. F. & Son, 3 Moulton
Cunningham, F. W. & Sons, 390 Congress
Doyen, Philip H., 117 Commercial
Griffin, D. F. & Bro. (Paving & Public), 106A Exchange
Gulliver, John W., 102 Exchange
Libby, S. & Son (Excavating, etc.), 191 Brighton av
*Shanahan, Richard D. (Public Work)
Smardon, George H. & Co. (Paving), 42 Market
Worster & Wilson (General), 92 Stevens av
ROCKLAND—Glover, W. H. & Co. (Public
RUMFORD FALLS—McGregor Bros. Work)
WATERVILLE—Purinton, Horace O.

MARYLAND.

ANNAPOLIS—Noel Construction Co.
BALTIMORE—Ament, Geo. F. (General), 1124 N Fremont av
American Construction Co., 324 S Payson
Anderson, W. E. (General), 201 St. Paul
Armstrong & Latta, American bldg
Atlas Construction Co., Continental bldg
Baltimore Ferro Concrete Co. (Reinforced Concrete Work, etc.)
Baltimore Sanitary Contracting Co., Fidelity
Blake, George A., Law bldg bldg
†Bullock Electric Mfg. Co., Continental bldg
Chesapeake Construction Co. (General), Continental bldg
Cremen, Jas. C. (General), Carey, nr Preastman
Degnon Contracting Co., Pier 2, New City Docks
Dotterweich, Jno. J. (General), 1235 N 5th.
Ferguson, Wm. & Bro., 214 Clay E
Fisher, Riley & Carozza, American bldg
Flanigan, P. & Son (General), Lexington & Calvert
Glenn, Benj. (Bridge), 2300 E Baltimore
Goldbach, Otto, 321 S. Dallas
Hennebique Construction Co., Continental bldg
Hopkins-Barnett Co. (Concrete Work), Calvert bldg
Huse, A. R. & Sons, 12 Gorsuch av
Jenkins, J. H. & Sons (Gen'l), Georgetow.
*Jones, T. B. & Co. (R. R. Sewer, Masonry, Wharfs, etc.), Fidelity bldg
Larkin, Dominick M., 1463 Columbia av
Long, Frank H. (General), 111 1st av, E
*McCabe, James F. Co. (Paving, Tunnel, Bridge & Railroad), Equitable bldg
McCaul, Chas., Co., American bldg
McCulloh, R. N. & Co. (General), 118 E Lexington
*McLean Contracting Co. (Dock, Bridge & Railroad), Maryland Trust bldg
Marks, Wm. D., 138 Roland av
Nardin, George F., 773 W Pratt
Noel Construction Co. ("Large," General), Calvert & German
Plant, Wm. M., Law bldg
Porter, Wm. H. & Son, 505 E Forrest
Reddington, P. & Sons (Paving & Public), 325 St. Paul
Ripple, Henry S., 5 Clay
Rullman & Wilson, Lafayette av, E & Mt. Royal av
*Sanford & Brooks Co. (Railroad, Dredging, Harbor & Government Work) 24 Commerce
Schneider, F. E. & Co. (Excavating, Paving, etc.), Law bldg
Schuck, Albinus, 3302 E. Balto.
Snyder, Henry & Son, 2663 W North av
†Southern Electric Co., 423 N Calvert
*Talbott, M. A. & Co. (Sewer, etc.), American bldg
Thomas, G. H. (General), Vickers bldg
Thorne, Wm. E. (Masonry), Equitable bldg
Utterbaugh, George (General), 1326 N Fulton av
Walker, J. W., 130 Montgomery
Walsh, J. J. & Son (Buildings, etc.), 1525 Maryland av
Wells Bros. Co. of New York (Buildings, etc.), Union Trust bldg
†**WESTINGHOUSE ELECTRIC &** Mfg. Co. (Electric Power Installation). (See adv. index, end of book)
Williamson, C. S., Law bldg
CUMBERLAND—Macarthur Bros. Co.
Porter, Josiah M.

MASSACHUSETTS.

ATTLEBORO—Brownell, A. N.
Perry, N., & Co. (Sewer, etc.)
BEVERLY FARMS — Connolly Bros. (Public Work)
BOSTON—Ambursen Hydraulic Construction Co. (Dams, Bulkheads, Power Houses & General Hydraulic Construction), 176 Federal
Atlantic Construction Co. (Public Work), 6 Beacon
Barrett, J. J. (Excavating, etc.), 615 Dorchester av, S. B.
Berlin Construction Co., 131 State
Bianco, Louis M. & Co. (Public Work, etc.), 43 Tremont
Bishop, J. W. Co. (Builders & Public Work), 683 Atlantic av
†Boston Industrial Co. (Inc.), 178 Devonshire
Breymann, G. H. & Bros., 298 Marginal, E B
*Bruno & Petitti (Sewer, Waterworks, R. R., Masonry, etc.), 18 Tremont & 15 Court sq
Bryne, G. M. (Public Work), 7 Water
Cefalo, Antonio (Excavating, etc.), 220
*Coleman Bros., 15 Court sq Devonshire
Coleman, D. E., Co. (Public Work)
Coleman, Jno. C., & Son (Street & Public), 41 Ritchie, Rox.
Cowin, Frank H. Co. (Public Work), Old South bldg
*Cram, D. H. (R. R. Bridges & Public Work), 702 Dorchester av, Dor.
Derry, C. T. (Sea Walls, etc.), 68 Devonshire
*Dillingham, George A. & Co. (Paving, etc.), 19 Exchange pl
*Dolloff, C. W. & Co., 20 Central
Donovan, Patrick F. (Grading, etc.), 115 Terrace
Dugad, George R. & Co. (Excavating, etc.), 166 Devonshire
Ellis, W. H. (Bridge & Masonry), 17 Milk
Farnum, Loring N. Co. (Engineers & Contractors), 53 State
Fuller, Geo. A. Co. (Builders), 131 State

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Gilligan, William (Excavating, Grading, etc.), 28 Mechanic, Rox.
†Gore, F. S. & A. D. (Paving, Sewer, Electric Railway, etc.), 1016 Adams, Dor.
Gore, J. Thomas (Public Work), 54 Kilby
Gow, Charles R. Co., 79 Milk
*Gross, W. H. & Co. (Electric Railway, etc.), 54 Kilby
Ham, Benj. A., 119 Boston Dor.
Hanscom, H. A. (Grading, etc.), 53 State
Haskin, Chas. A. (Grading, etc.), 16 City sq
Hayes, Geo. & Co. (Public Work), 166 Devonshire
Hill, Peter W. (Public Work), Old South bldg
Holbrook, Cabot & Rollins Corp., 6 Beacon
Horton & Hemenway (Large Builders), 683 Atlantic av
Johnson, Samuel W.
Johnston, Chas. J.
Jones & Meehan (Street & Public Work), 10 Tremont
†Kendall, M. K. & C., 32 Oliver
Keyes, W. H. & Co. (Builders, Street & Public Work), 95 Milk
Kiley, Daniel J., 95 Milk
Lawler Bros. (Heavy Masonry, etc.), 16 City sq, Chsn.
Letteney, John H. (Public Work), 101 Tremont
Ley, F. T. & Co. (Public Work), 630 E 1st
*Libby, Albert A. Sons' Co., 161 Devonshire
McCarthy, J. J. & Co. (Grading, etc.), 170 Summer
McCormick, Matthew, 157 Ward, Rox.
McGovern, Jas. (Excavating, etc.), 875 Adams, Dor.
McGovern, Patrick (Paving), 6 Beacon
McHale, Wm. J., Old South bldg
McLellan, James D., 19 Wareham
McMorrow, Jno. (Grading, etc.), 328 Adams, Dor.
McMurtry, A. J. & G. H. (Excavating, etc.), 16 Shepard (Br.)
Mack & Moore, 22 Chapman pl
Macomber, Geo. B. H., Co., 116 State
Marr, Daniel & Son (Public Work), 384 Dor. av, S. B.
Mead, Mason & Co. (Builders & General), Tremont bldg
Metropolitan Contracting Co. (Street & Public Work), 95 Milk
Miller, W. L. (Bridge & Masonry), 166 Devonshire
Minton, Thos. F. (Grading, etc.), 4 Hyde Park av
Moore & Co. (Water Works and Public Work), 12 Pemberton sq
Munroe, W. B. (Public Work), 101 Tremont
Murphy, Cornelius & Son (Grading, etc.), 290 Kilton
Nawn, Hugh Contracting Co. (Excavating & Public), 82 Savin
Norcross Bros. Co. (Builders & Public Work), Tremont bldg
Northeastern Construction Co. (Public Work), 6 Beacon
O'Connell, Dennis F. Co. (Heavy Masonry, etc.), 49 N Marginal
O'Riorden, P. (Est.) (Excavating, etc.), 6 City sq
Plummer, Rufus B., Jr., 166 Devonshire
Quirk, D. S. Co. (Excavating), 1 Charles River av, Chsn.
Rafferty, Wm. J. & Co. (Grading, etc.), 200 W. Eighth
*Railway Contracting Co., 6 Beacon
Roberts, Edward B., Old South bldg
Scully, J. T. Foundation & Transportation Co. (Foundations, Excavating, etc.), 95 Milk
Seretto, Michael (Sewer & R. R.), 42 Court
Shailer & McCormick (Public Work), 101 Tremont
Snow, F. A. (Public Works), 166 Devonshire
Sullivan, Jeremiah J. (Excavating, etc.), 95 Milk
Sullivan, Jno. H. (Road & Sewer), Lake & Commonwealth av
Taylor, L. A. (Public Works), Tremont bldg
Thompson-Starrett Co. (Builders & General) 141 Milk
Tomasello, Antonio G., 69 Gibson, Dor.
Trumbull, C. E. Co. (Sewer & Public Work), Tremont bldg
†WESTINGHOUSE ELECTRIC & Mfg. Co. (Electric Power Installation). (See adv. index, end of book)
Whitcomb & Kavanaugh, 6 Beacon
Whitney, Arthur C. (Builder, etc.), 18 P. O.
Wilson, Robert, 15 Ashburton pl sq.
Woodbury & Leighton Co. (Builders & General), 166 Devonshire
Wyman, Wendell H., 68 Devonshire

BROCKTON—Howard, George & Sons Co.
BROOKLINE—Driscoll, J. & Son (Public Work)
Kelley, T. J.
CAMBRIDGE—Linehan, Chas. (Est. of), (Public Work)
Riley, J. M., 113 Huron, av
CHELMSFORD—Edwards, W. C.
EVERETT—Coleman Bros.
Oakes, George U.
FALL RIVER—Beattie & Cornell (Builders & General)
Beattie & Wilcox (Builders & General)
Brownell, Isaac T.
Burt, P. S. & Co. (Builders & General)
Sears, C. H. (Builders & General)
FITCHBURG — Moran, Jno. (Excavating & Grading), 274 Rollstone
FRANKLIN—McCarty, J. J., & Co.
GLOUCESTER—Cressy, Walter
HAVERHILL — Cashman, Jno. (Excavating, Road & Paving), 150 Hilldale
Jones, A. A. (Builders & General)
La France, Louis A. (Builder & General)
O'Connell's, Dan'l Sons (Builders & General)
HOLYOKE—Landers, D. J., 231 High
O'Connell's, D. Sons (Water Work & Public), 188 Hampden
INDIAN ORCHARD—La Riviere Octave Co.
LAWRENCE—Holland, Philip (Excavating, etc.)
O'Mahoney, Michael
Pike, W. N. & Sons (Large)
Pitman, Ernest W. (Builder & General)
LOWELL—Conners Bros. Co.
LYNN—Campbell Bros. (Builders & General)
Mayo, Fred. D. (Sewer, Paving & Excavating), 333 Union
Pevear, Everett S. (Excavating, etc.), 539 Western av
Sheehan, John, 585 Western av
Strout Bros.
MALDEN—Graffam, Edwin M.
MELROSE—MacDonald, Angus, & Co.
MILFORD—Cenedella Bros. (Macadam & Public)
NEW BEDFORD—Davis, Chas. E. (Masonry, Jetties, etc.), 35 Commercial
Duff, David & Son (Excavating, etc.), 73 Weld
Smith, Benj. F. Co. (Large)
NEWBURYPORT—Cashman Bros. (Roads, etc.)
NEWTON—Stuart, T. & Son Co. (Public Work)
NEWTON CENTER — Hurley Bros. (Grading, Roads & Masonry)
Muldoon, Arthur (Sewer & Excavating)
Steeves, S. G.
NEWTONVILLE—Higgins & Nickerson
NORTH ADAMS—Whitney Bros.
NORTHAMPTON—Bailey, William A. (Sewer, etc.)
NORTH ANDOVER—Adams, Edw.
PALMER—Atkins, George M. Co. (Heavy Masonry, etc.)
*Flynt Building & Construction Co.
PITTSFIELD—Atwood, Luther L. (Grading, etc.)
Beckwith & Pike
QUINCY—Cashman, John
Shea, William & Son (Excavating, Grading, etc.)
SALEM—Peterson, J. N. & V. S. (Sewer, etc.)
Welch, Jas. J. & Co. (Public Work)
SOMERVILLE—Gill, T. H. (Public Work), 22 Bonair
McCarthy, Wm. J. & Co. (Public Work), 27 Bonair
SOUTH FRAMINGHAM—*Fales, A. & Sons Co.
SPRINGFIELD — Goodrich, William C. (Excavating, Grading, etc.), 139 White
*†Ley, Fred T. & Co. (Sewers, Waterworks, Electric Roads, etc.)
Mesisco, Joseph E. & Sons (Excavating, etc.), 81 Wilcox
Reynolds & Co. (Excavating, etc.), 355 Maple
Sackett Bros. (Excavating, Grading & Sewer), 834 Worthington
Shaw, V. A. (Excavating & Grading), 80 Dawes
Springfield Excavating & Construction Co., 164 Dwight
Vaughan Construction Co. (Excavating, Waterworks, etc.), 16 Pynchon
*Wright, A. H. & Son (Dam, Bridge & Heavy Masonry)
SWAMPSCOTT—Lyons, James T.
McDonough, Mich'l (Street & Public)
Tuttle, H. Scott (Street & Public)
TAUNTON—Briggs, Abrom T. (Heavy Masonry, etc.), 86 Winthrop
UXBRIDGE—*Newell & Snowling Construction Co.
WAKEFIELD — Butler, A. A. (Masonry & Roads)
Killorin Contracting Co. (Roads & Grading)
WALTHAM—McCusker, Frank W. (Masonry, Grading & Macadam)
McCusker, John H.
Malloy, P. & Son (Excavating, Grading, etc.)
O'Malley, Peter J. (Excavating, etc.)
WATERTOWN—Murdough, Albert B.
WEST CHELMSFORD — Fletcher, H. E. & Co. (Excavating, Bridge & Dam Masonry, Foundations, Stone Masonry, etc.)
WEST NEWTON—Cotter, Jerry & Sons
WILLIMANSETT—Hucharme, Stanislas
WINTHROP—Craib, Charles G. (Public Work)
WOBURN—*Ellis & Buswell Co.
WORCESTER—Allen, F. L. (Sewer & Public), 8 Forest
Bishop, J. W. Co. (Builders & Public Work), 109 Foster
Cross, Edward J.
Donohue, Michael (Sewer), 8 Perry av
Kane, Michael J. (Excavating, Grading, etc.), 9 Wade
Norcross Bros. Co. (Builders & Public Work), 10 E Worcester.
Pike, H. S. (Excavating & Road), 12 Town-send
Webb Granite & Construction Co.

MICHIGAN.

BAY CITY—Bay City Dredging Co.
Campbell, Hugh
CALUMET—Roehm, Paul P.
DETROIT—Affeld, John S. (Sewers, etc.), 461 Baker
Bartholomael, Max W. (General), 245 Warren av, E
Bouvier, Charles F. (Sewers, etc.), 149 Harmon av
Butler Bros.-Hoff Co., Whitney bldg
Buchanan, Jas.
Carmichael, Andrew T., 145 Forest av W.
†Comstock-Haigh-Walker Co., Ford bldg
Currie, Thomas E., Penn. Bank bldg
Detroit Contracting Co., Penobscott bldg
Gearing Bros. Co. (Ltd.), 1000 15th
General Construction Co., Union Trust bldg
*†Griffin, M. J. (Railroad, Paving & Masonry, etc.), 169 Stanton av
Hall, Alfred J. (Excavating), 308 Catherine
Hanley, Jas. (General), Peninsula Bank bldg
Hotchkiss, Henry C. (Grading, Sewer, etc.), 44 Bostwick av, W
Jeynes, Jno. (Sewer, etc.), 22 Euclid av E
Jones, E. B. (Sewers & Grading), 405 Stanton av
Kennedy, D. J. & Son (General), Home B'k
Langley & Jeynes, 681 Toledo av bldg
Langley, Wm. P. (Sewers), 161 Elizabeth, E
Lappin, Wm. (Excavating, etc., Penn. Bank
*Lennane Bros. (General), 40 Fort, W
Lloyd Construction Co. (Gas Works), 860 Greenwood av
Mercier, John A. (Excavating, etc.), Hammond bldg
Michigan Contracting Co., 360 Greenwood av
Moran & Hughes (Excavating, etc.), Penin. Bank bldg
*O'Donnell, Hugh & Son (Excavating, Railroad, Sewer, etc.), Penin. Bank bldg
Palmer, John G. (Excavating, etc.), Peninsular Bank bldg
Porath, Julius (Sewers, etc.), Peninsular Bank bldg
Reid, E. W. & Co., Stevens bldg
Reynolds, Geo. (Grading, etc.), 009 10th
Robertson, R., & Co.
*Rogers, N. J. & Sons, 285 23d
Spaulding, J. M. (Excavating, etc.), Penin. Bank bldg
†WESTINGHOUSE ELECTRIC & Mfg. Co. (Electric Power Installation). (See adv. index, end of book)
Whittaker, Thos. G. (Sewer, etc.), 189 Selden av
GRAND RAPIDS—Ackerman, J. B. (General), 120 N Union
Appleyard, Johnson & Co. (General), Powers Theatre bldg
Bovee, Walter, Lovett & Lake
Boyes, D. W. (General), 275 Stocking
Davidson, G. H., Houseman bldg
De Bruin, Henry (Sewer), 101 Sigsbee
Hauser, Owen & Ames (General), 102 N Ottawa
Kloote & Van der Veen (Street), 36 Chester
Lampman, Frank (Street), 1160 Cottage Grove av
McNabb, Jno. Co. (General), Murray bldg
McDermott, Jas. (Paving, etc.), 315 Bowery
Pickett, Richard (Street), 1056 Hall
Rosema, N., 345 Lake av
Rusche, J. P.
Schliess, F. C. (General), 57 Parkwood av
Westra, N. J., The Gilbert
HARBOR SPRINGS—Leahy & Glenn (General)
HOUGHTON—Byers, Jas. J., & Co.
Northern Construction Co.
Pryor, Jas., & Son.

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IRON MOUNTAIN—*Marsch, John
Parmelee & Son
JACKSON—†Cownam Engineering Co.
Dayton, M. A. & Co. (General)
KALAMAZOO—Flaitz, Frank
Rickman, George & Sons Co.
Van Der Horst, Henry D.
LANSING—McKale, Wm. H.
Rogers, Herbert M.
MARQUETTE—Van Iderstine, Charles C.
MENOMINEE—Spaulding, E. P.
MUSKEGON—McIntosh, Alex.
PORT HURON—Germin, Garrett S., Sons.
SAGINAW—Davies, J. C. (Sewer, Paving, etc.)
Hunter & Stewart Construction Co.
Parth, John
Qualmann, John H.
SAULT SAINTE MARIE—Great Lakes Dredge & Dock Co. (River & Harbor)
Hickler Bros. (Dredging & Submarine Drilling)

MINNESOTA

AITKEN—Shook, F. M.
ALBERT LEA—Tapager & Hanson
DULUTH—Barnett & Record Co. (Engineers & General)
Campbell, L. D. & Co., Lonsdale bldg
Drake & Stratton Co., First National Bank bldg
Engle, Emil (Sewer), 981 E 5th
Frederickson, C. J. (General), Manhattan bldg
Great Lakes Dredge & Dock Co. (River & Harbor)
*Hall, Carl & Co.
Hood, D. P. (General), Mesaba blk
Hilliard, J. W. (General), 9 Winthrop bldg
Hugo & Tims, Manhattan bldg
King, Geo. R. (Sewer & Public), Mesaba blk
King, W. F. (General), 102 S. 1st av, E
McCormack, Frank
*McDonnell, Patrick (Paving, etc.)
MacLeod & Smith (General), Torrey bldg
Olson, O. W. (Buildings, Excavating, Sewer Grading, etc.), 424 9th av, E
Osborn & Co., 827 Lake av, S
Roberts-Kingston Contracting Co.
Smith & Vokes (General), Exchange bldg
Watterworth & Fee (General, Street & Public), Torrey bldg
FERGUS FALLS — Lauritzen Bros. (Paving, etc.)
Lauritzen, John
LITTLE FALLS—Harrison & Peterson
MANKATO—*Widdell & Co.
MINNEAPOLIS—Barnett & Record Co. (General), Corn Exchange
Brayton Engineering Co., W Lake & Colfax av
Brown, G. W. (General), 3129 3d av, S
Cheney, R. J., 113 N. 4th
Congdon Construction Co., Oneida blk
Cooke, Geo. & Sons (General), Boston blk
Cooper, B. (General Contractor & Builder), 1114 Yale pl
Davis Construction Co., Kasota bldg
Elliott, J. & W. A. (Public Works), Lumber Exchange
Haglin, Chas. F. (General), 228 Lumber Ex
Leighton, H. N. Co. (General), 218 S 6th
Libby & Nelson (General), Temple ct
Lindquist, Gust
Lovell, Walter D.
McLeod, Angus Co. (General), 409 6th av, S
Pelton, R. B. (Builder), 418 6th av, S
Pike & Cook Co., 416 S 5th
Prince Construction Co., Northwestern bldg
Traynor Bros., Boston blk
*Winston Bros. Co. (Railroad, etc.), Globe
*Winston-Dear Co., Globe bldg
Wunder, John Co., Lumber Ex
NEW ULM—Cuddy-Cavanaugh Co. (Sewer, etc.)
ST. CLOUD—Doyle, O. F. (Sewer, etc.)
Freeman, D. H., & Co.
ST. PAUL—Brayton Engineering Co.
Cameron & Co., Ryan bldg
Carlson, J. M., 227 W 5th
*Dale & Bumgardner (Grading, Railroad, etc.), Scandinavian-American Bank bldg
Deeks & Deeks (General), National G. A. Bank bldg
Fielding & Shepley (Sewer Grading, Paving & Bridge), 216 W University av
*Foley Bros. (Railroad, etc.), Gilfillan blk
Forestal & Feyen (General), N. Y. Life bldg
Frankman Bros. & Morris (General), Globe bldg
Grant, G. J., Construction Co. (General), New York Life bldg
Gronewald, W. G.
*Guthrie, A. & Co., German-Am. Bank bldg
Hennessy, P. M. Construction Co. (Paving, Sewer, etc.), 205 New York Life bldg
Johnson, E. J., 902 Thomas
Lauer Bros. (Heavy Masonry, etc.), ft Chestnut
Miller, John W.
Nickel, J. H.
Oakes, Geo. W. & Co., Endicott bldg
*Ryan & Johnson (Sewer, Grading & Railroad), Scan.-Amer. Bank bldg
*Smith, Grant & Co., Gilfillan blk
Ulmer, Wm. H.
ST. PETER—Brogen, Thomas (Excavating & Public)
STILLWATER—Olsen, O. H. (Public Work)
WINONA—Abell & Braley Co. (Paving, Sewer, etc.)

MISSISSIPPI.

JACKSON—McGee, W. J.
VICKSBURG—Gregory, T. S. (General)
Helgason Bros. (River)

MISSOURI.

CARTHAGE—McNerney, P. J.
INDEPENDENCE—Shaw, Geo. W.
JOPLIN—Bane & Moore.
Deiter & Wenzel Construction Co.
Joplin Construction Co. (Sewer, Paving & Public)
Koehler, A. F.
KANSAS CITY—Arrowhead General Contracting Co., 116 W 8th
Boyd, Robert J. & W. M. Construction Co. (Paving, etc.) 200 S W boul
Bradbury, E. H. (Grading, etc.), Sheidley bldg
Brown, Geo. L. & Son (General), Amer. Bank bldg
Corcoran, Jas. G. & Co., Baird bldg
Crebo, Edward, 1109 McGee
Crites & Beatty, 507 Temple blk
Fox & Smith
Freeborn Engineering & Construction Co. (Heavy Structures a Specialty)
Goodlander, George W., Postal Tel. bldg
Halpin, James F., New Nelson bldg
Huggins, G. W. (General), Shukert bldg
*Kahmann & McMurry (General), Bryant bldg
Kansas City Bridge Co. (Bridge & Stone Piers)
*Kenefick - Hammond - Quigley Cons. Co., Bryant bld
*Kenefick, Wm. Co., Bryant bldg
Lantry Contracting Co., Gumbel bldg
Latimer, Frank H. (General), Mass bldg
Lonsdale Bros. (General), Bryant bldg
McTernan-Halpin Construction Co., 27th & Madoric, A. E. Walnut
Morley, P. J.
Mullins, W. C. (Sewer), 3018 E 8th
Parker-Washington Co. (Paving, etc.), 2309 Penna
Smith, Lucius J., Bank of Commerce bldg
Stannard, Jas. Construction Co.
Stiver, H. M., Postal Tel. bldg
Taylor & Winn Construction Co. (General), Mass. bldg
Thomas, John D., Postal Tel. bldg
Union Bridge & Construction Co., Bryant bldg
Urban Construction Co., Dwight bldg
West, A. L. (Grading, etc.), 3115 Park
ST. JOSEPH—Buddy, Phil. P., Building & Construction Co., 501 Main
Selden-Breck Construction Co.
Stamey, T. W. & Son
ST. LOUIS—Abadie, E. H. & Co., Times bldg
*Anderson, A. & Co., Victoria bldg
Atlantic Quarry & Construction Co., 319 N
Atlas Construction Co., 407 N 8th 4th
*Bambrick Bros. Construction Co. (General), 5229 St. Louis av
Barwick Construction Co., 4957 McPherson av
Bee Line Construction Co., 201 N 4th
Black, Albert W. (General), 2107 Clark av
Black, James, Masonry & Contracting Co. (Sewer & Masonry), Wright bldg
*Boyce, W. D. Engineering Co., Chemical bldg
Brockett, John M. Contracting Co., 4253 Sarpy av
Bush, W. R. Construction Co., 211 N 7th
Carmichael, Wm. R., Co. 122 N 7th
Cavanagh, Timothy E. (General), 3063 Madison
Cooney Construction Co., Fullerton bldg
Dawson, Richard T., 6011 Columbia av
Denham, William L., 407 N 8th
Elias, Wm., 1430 Washington av
Eyermann, G., jr., & Bro., 1216 S Grand avenue
Farrell, Jas. Construction Co., 2108 N B'way
Fairback, Henry, 2550 N Grand av
Flannery, Thos., 1009 Chestnut
Frantz, Wm. H., 5222 Raymond av
*Fruin-Bambrick Construction Co., Chemical bldg
*Fruin-Colnon Contracting Co., Merchants-Laclede bldg
Gatlin, James G., 14 Parkland pl
Geisel Construction Co. (Sewer, Paving, Bridges, Heavy Masonry, etc.), 620 Chestnut
Gilsonite Construction Co., Wainwright bldg
Globe Construction Co., 721 Olive bldg
Godfrey & Hirsch, Wainwright bldg
Gray, C. L., Construction Co., Victoria bldg
Gruetzmacher, H. F. & Co. (Stone & Masonry), Wainwright bldg
Guentert, Ell, 5843 Eastern av
Hanick Quarry & Construction Co., Liggett bldg
Heman Construction Co. (Sewer & Public), Fullerton bldg
Heman, Harry F. (Sewer & Public), 721
*Hickey Bros., Times bldg Olive
*Hill-O'Meara Construction Co. (Sewer, Paving, Waterworks & Masonry), Syndicate Trust bldg
Hinchman-Renton Construction Co., 211 N 7th
Hoffmann-Hogan Construction Co., 2712 Wyandotte
Johnston, P. G., & Co., 407 N 8th
Kellerman Contracting Co., Roe bldg
Kennah, L. J., & Son, 3600 Clarence av
Lowery, Thos., 1004 S Grand av
McClure, E. P. Construction Co., 208 N 10th
McCormack, Charles B. (Builder), 818 N 8th
McCully Construction Co., 509 Chestnut
McKelvey Cons. Co. (General), 816 Olive
McMahon, John F., Wainwright bldg
*Midland Contracting Co. (General), 509 Chestnut
*Morey Engineering & Construction Co., 721 Olive
Morrison, R. W., Construction Co. (Large Builders), 722 Chestnut
Muir, Matthew W. (Builder), 816 Olive
Murphy, Dan, 3921 N 21st
*Myers Construction Co. (General), 421
*O'Reilly, Chas. P., 220 N 4th Olive
Parker-Washington Co., 4500 Duncan av
Pauly Jail Building Co., 2215 DeKalb
Pelligreen Construction & Investment Co., 816A Pine
Perkinson Bros. Construction Co. (Telford & Public), 3237 Carter av
Prendergast Contracting Co., The Bircher
Prendergast, Geo. G. Construction Co., 721 Olive
Reinschmidt-Haenni Construction Co., 106 Olive
Rich Construction Co. (General), 510 Pine
Riechers, J. P., & Son, 3200 University
Robinson, S. H. R. & Son Contracting Co., Rohman, J. B., 3144 Arsenal 721 Olive
Rosedale Contracting & Supply Co., Hodiamont av c Gates av
Rothwell, Richard (Grading, etc.), 770 N Euclid av
Ruecking Constructing Co. (Public Work), Marine av c Gasconade
Rupp, Jos. F., Building & Contract Co., 1901 E Warne av
Ruprecht, W. & F., 8011 S B'way
Rycklicki Bros., 5010 Page boul
Sauerbrunn Construction Co. (General), 18
*Scott, Jno. & Sons, Times bldg N 8th
Selden-Breck Construction Co., Fullerton
Settle & Co., 810 Olive bldg
Sinclair Quarry & Construction Co., Wainwright bldg
Southern Construction Co., 407 N B'way
Steininger, Edw. A. Const. Co., 407 N 8th
STEWART, JAMES & CO. (Harbor, Marine & Heavy Buildings), New Nat'l Bank of Commerce bldg
Sutherland, W. M., Building & Contracting Co., Victoria bldg
Taxis-Harvey Construction Co., Victoria bldg
*Thompson, J. W. (Bridge Masonry, etc.) Wainwright bldg
U. S. Conduit & Construction Co., Victoria bldg
*Van Sant, Robert L. (Eng. & Contractor), 421 Olive
Wade Bros. Construction Co. (General), 2272 Old Manchester rd
Ward, Edw. J. (Builder), 721 Olive
Ware, J. A. Construction Co., 509 Chestnut
Webb-Kunse Construction Co. (Grading, etc.), Fullerton bldg
Westlake Construction Co., 717 Locust
Wilson, J. W. & Son, Odd Fellows bldg
Wright-Gallagher Construction Co., Chemical
Wyatt & Grant, 5318 Vernon bldg
Wyckoff, Rob't (Sewer, etc.)

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SPRINGFIELD — Crossen-Badge Construction Co. (Heavy Masonry, etc.)
*Hedges Construction Co.
Jarrett Construction Co.
Weaver-Weeks Construction Co. (Heavy Masonry, etc.)
Willier Construction Co., Grading, etc.)

MONTANA.

BUTTE—O'Brien, William A.
*Perham, Wallace T.
Sewell, W. J.
Walch, Wm. E.
GREAT FALLS—Roberts, Wm.
HELENA—Fiske, E. W.
Pew, Howard
Wagner, Edward

NEBRASKA.

BEATRICE—*Kilpatrick Bros.
FALLS CITY—Gilligan, John, Co.
LINCOLN—Stephens, H. A.
OMAHA—*Callahan Bros., Phelan & Shirley
Creedon, P. J. & Sons, 2120 California
Gould, F. P., & Son (Inc.)
Hamilton, R. P. & E. O. (General)
Harte, J. H. (General), 1609 Webster
Katz-Craig Contracting Co.
McWilliams Construction Co., Paxton blk
Murphy, Hugh (Municipal Work, etc.), Bee
Parsons & Keine, New York Life bldg bldg
*Phelan & Shirley
Schall, A., Co.
Streitow, H. C., 2102 Sherman av
Van Court, E. D., 1020 N 16th
Wood, Bancroft & Doty (Grading), First Nat'l B'k bldg
ORLEANS—*Dunlay Bros.
SOUTH OMAHA—Hannan, D. (Grading, etc.)
National Construction Co.

NEVADA.

RENO—Burke Bros. (Public Work)

NEW HAMPSHIRE.

CONCORD—Fellows, Chas. L. & Co. (Grading, etc.)
Mead, Mason & Co.
EPPING—Manchester, R. E., & Mfg. Co.
FITZWILLIAM DEPOT—Webb Granite & Construction Co.
MEREDITH—Clark, Geo. H. & Co.
MILFORD—Webb Granite & Construction Co.
NASHUA — Osgood Cons. Co. (Waterworks, Sewer, etc.)
PORTSMOUTH—Trefethen, E. W. (Sewer, etc.)
Trefethen, E. W. (Sewer, etc.)

NEW JERSEY.

ATLANTIC CITY — Knauer Co., 132 S New York av
Lee, Edward S.
BAYONNE—Brady Bros. (Large), Av E & E 2d
Cogan, James J., 98 Av C
Herbert, Thos. & Son
BEACHHAVEN—Butter, Wm. L.
BLOOMFIELD—Ashley, H. J., 161 Ashland av
Hedden Iron Construction Co.
CAMDEN—*†Sweeten, B. F. & Son (Railroad, Paving, Public, etc.)
EAST NEWARK—Van Keuren & Son
ELIZABETH—Faughnan, Patrick (Sewer, Macadam, etc.), 516 Washington av
Hitchings & Co. (Inc.)
Lammerding-Devine Co. (General), 227 Broad
McCloud, Wm. J. & Co. (General), 114 Broad
New Jersey Dock & Bridge Building Co. (Harbor Improvements, etc.), 208 Broad
Wade, Matthew (Excavating & Grading), 832 South
ENGLEWOOD — Brucker, Charles Contracting Co. (Road)
Fitschen, J. F.
GRANTWOOD—Scioli, Nicoli
GUTTENBERG—Franzmann, Robert
HACKENSACK—Whyte, Wm. H.
HOBOKEN—Catello, M.
Foley, Michael
Linder, Philip (Excavating, etc.), 624 Monroe
Sanford, A. E. Co., Second National Bank bldg
Scuttelaro, Frank
Vezzetti, Chas.
Waddington, Robert & Son (Street & Public), 617 Jefferson
Whalen, James
Whan, Alexander, 1317 Garden
HOLLYBEACH—Norton, Chas. A.
JERSEY CITY—Atkinson, G. H., & Co., 273 Washington
Baker, Wm. (Sewer, Paving, etc.), 187 South
Brown, Leslie A., 379 Fairmount av
Byrne, Henry (Public Work), 302 Mercer
Connolly, M. T. Contracting Co. (Curbing & Public), 288 17th
Connelly, P. (General), 18 E Hamilton pl
Cummings, Wm. F. & D. J., 534 Mercer
Cutley, Joseph H., 508 Pavonia av
Groskins, John, & Son, 299 Old Bergen rd
Harrington, T. & Sons, 558 Montgomery
Henry & McGivney, 15 Exchange pl
Holmes & Cogan, 96 Garfield av
Hopkins, John, 848 Ogden av
Hudson Construction Co., 641 Grove
Keiss, Geo. (Excavating, etc.), 17 Rutger av
Kuederly, Charles, 319 Communipaw av
Lesher & Wagner, 114 Pavonia
O'Neill, Edward P., 37 Concord
Palisade Construction Co., 15 Exch. pl
Robertson, William & Son, 15 Exchange pl
*Ross, P. Sanford (River & Harbor), 277 Wash'n
*Shanley, B. M. & J. F. Co. (R. R. & Public), 26 Exchange pl
Stillman, F. M. Co., 26 Exchange pl
Tierney & Connolly Construction Co., 226
Tumulty Bros., 59 Brunswick Pavonia av
United Contractors Corporation (Building & General), 15 Exchange pl
Van Keuren & Son, Grand c Prior
KEARNY—(See Arlington)
LONG BRANCH—Campbell, Jas.
MONTCLAIR—Gibbs, Fred W.
Gibbs, Fred W.
Osborne & Marsellis Co., Public Work & Macadam), Bellevue av
MORRISTOWN—New Jersey Engineering & Construction Co.
NEWARK—Castle, Samuel, & Sons, 45 High
Conway, Jas. (Sewer, etc.), 491 Central av
Cooper, Chas. S., 45 Clinton
*†Cullen, W. A. (Track & Overhead Construction), 738 Broad
Doriety, John, 168 Ridge
Freeman & Co. (Excavating, etc.), 58 Prospect
Harrison Construction Co. (Public Work), 837 Broad
Hedden, V. J. & Sons, 431 Ogden
Lanning, J. W. & Son, 122 Market
Lewis & Rachlin, 400 Bank
Midland Contracting Co., 11 Clinton
Miller, C. Co. (Excavating, etc.), 113 High
Milone Construction Co., 164 Market
New Jersey Contracting & Engineering Co. (Masonry, etc.), Badger av & Bigelow
Peter, Jacob, 127 Frelinghuysen av
Russell-Robinson Co., 109 Frelinghuysen av low
*Shanley, B. M. Sons Co. (R. R. & Public), 859 Broad
Snyder, Frank W., 372 Grove, V
Vanderhoof, Peter & Sons Co., 285 Broad
Van Keuren & Son, Passaic av & Clay st bridge, E N
Waldron, E. M. & Co., 84 S 6th
NEW BRUNSWICK—Oliver, H. V., Contracting Co.
Riddle, T. H. Construction Co. (Public Work)
ORANGE—Kearns, Patrick
†Wright & Lindsey
PATERSON—Ferguson, Jno. W. Co. (Builders etc), United Bank bldg
*†Lee, Jno. R. (Railroad), Second National Bank bldg
Lynch, Michael, Construction Co., 1247 Madison av
McKiernan & Bergin, First National Bank bldg
Steele & Hooper
PERTH AMBOY—Graham & McKean
Hansen, M. (Excavating)
PHILLIPSBURG—Mutchler, S. B. & Co.
PRINCETON—Mathews, Wm. R.
Reardon Co. (The)
RAHWAY—Lamphear, Henry L.
RIDGEFIELD—Edsall & Best
Heisenbuttle, C. (Excavating, Grading, etc.)
SOMERVILLE—Hardgrove, Wm. (Macadam & Public)
TOWN OF UNION—Walker, Wm. (See Weehawken)
TRENTON—Bugbee, Newton, A. K., 135 E. State
Delaware River Quarry & Construction Co (Road Construction, Railroad, etc.), 22 Tucker
Hurley, Jno. H. (Sewer, etc.), 153 W Front
Lawton, Lewis & Son (Masonry & Public)
McGovern, W. F.
Prior & Brock
Rogers, O. C.
Slack, Walter C.
WEEHAWKEN—Roman, Otto E. (General, Weehawken Contracting Co. etc.)
WEST HOBOKEN—Capone & Trost
Le Pore, P.
Schneider, Henry M.
WEST NEW YORK—Murphy, Dennis J.
WEST ORANGE—Kocher, Charles
O'Rourke, John

NEW YORK.

ALBANY—Collins Bros., Bensen bldg
Dumary, Henry T.
Dumary, T. Henry (Municipal)
Knuth Bros.
Malcolm, James H.
Mulderry Bros. (Street & Public), 115 1st
Pasquini, Attilio (General), Bensen bldg
United Cons. Co., 467 B'way
AMSTERDAM—Grieme, H. C. (Est. of)
BINGHAMPTON—Crary Construction Co.
O'Neil, Geo. F.
Stephens, A. E., & Co.
Woodruff & Merithew
Turner, John J. (Building & Public)
BUFFALO—Champion-McClellan Co.
Bardol, Frank V. (General), D. S. Morgan bldg
Brown, Thos. Contracting Co. (Excavating, etc.), 1135 Niagara
Buffalo Dredging Co. (Dredging Waterworks, etc.)
Burgard, Henry P. Co. (Sewer & Public), 275 Lathrop
Burger, Robert E., 133 Lexington
Byers, James N., 461 Linwood av
*†Chapman, A. F. & Co. (General & Electric R'y, Track & Overhead Construction), Prudential bldg
Coatsworth, A. T., 428 Elk
Continental Engineering & Contracting Co., 33 Chapin blk
Dark & Co. (Sewer & Public & Building), 654 Main
Delaney & O'Brien, 219 Ellicott sq
Dietrich, Geo., 83 Northampton
Durolithic Co., The, 400 Ellicott sq, Buffalo, N. Y.
Dwyer, J. W. & Son, Ellicott sq
Dwyer, W., 161 Morgan
Foster & Glidden Engineering Co., 285 Washington
Frank, Peter H., 273 Richmond av
Gibbs, John W., D. S. Morgan bldg
Gipp, Louis H., Ellicott sq
Goldman, John (Excavating), 260 Guilford
*Grattan & Tiffany, Ellicott sq
Great Lakes Construction Co., Chamber of Commerce bldg
Herner, Geo. A., 148 Madison
Horton, D. E. (General), 52 Exchange
Jepson, Mason & Co., Erie Co. Bank bldg
Kehr, Augustus, P. ft of Church
Knickenberg, Fred'k W. (General), 704 Michigan
Knoerl, John, 1961 Seneca
Lanctot, H. H. & Sons, Ellicott sq
Lathrop, Shea & Henwood Co., Ellicott sq
Lester, W. H., 1154 Seneca
†Little, F. P. Electrical Co., 208 Main
Moore, Geo. W. (Sewer & Public), 177 Elk
Morris & Allan (General), Ellicott sq
Mosier & Summers (General), 1206 Seneca
Newton, James, 106 Bidwell Parkway
Post, Herman H. R.
Rappich & Culliton (Excavating, etc.), 2826 Main
Rice, A. A., 1421 Main
Rice, Geo. C., 412 Linwood av.
Schutrum, C. L., Coal & Iron Ex.
Sherrill Contracting Co., The Berkeley
Smith, Wm. G. (General), 1101 Elmwood av
Stabell, Jos. F. Co. (General), 1127 Niagara
Stokes Bros. (General), Brisbane bldg
Tilden, J. H. Co. (General), 12 Henry
Vosseller, Geo. (Excavating), 110 Bradley
CANANDAIGUA—Robertson, Chas. F.
CATSKILL—Holdridge, G. W., & Son (Street)
COHOES—Neary Bros. Construction Co.
CORNING—Bradley & Nolan
Ferenbaugh, U. G.
DUNKIRK—Hamilton, S. M. Co. (General)
Meister Contracting Co.
Walter, Gustave A.
ELMIRA—*Costello & Neagle (Paving, Sewer, etc.)
GENEVA—Dove, Wm. G.
Persons, S. F. & Co.
GLENS FALLS—Finch-Anderson Co.
Linehan & Burnham Co.
GLOVERSVILLE—Ranker, A. M. (Paving, etc.)
GREENPORT—Greenport Basin & Construction Co. (Large),
Reeves, W. H., & Co.
HORNELL—Tucker, Seth L.
HUDSON—Brennan, John F. (Builders & Public)
Hester, Dennis
IRVINGTON—Dinkle & Jewell
ISLIP—Raynor, Benj. J.
JAMESTOWN—Johnson & Prather
Mahoney, John F.
Swanson, Charles (Public Work)
KINGSTON — Campbell & Dempsey (Public Work & Masonry)
McNamee & Rice, Rondout
LAWRENCE—Smith, John H.

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LITTLE FALLS—Dale's, Thos. Sons (General)
Eagan, Chas. (General)
Hallinan Bros. (General)
McCaghney, P. B. Co.
LOCKPORT—Le Valley, Frank J. (Sewer, Excavating, etc.)
Moon, John
Stainthorpe, Charles N. & Co.
MAMARONECK—Coles, Selleck E.
MEDINA—Slack & Ellis
MOUNT VERNON—Piro, James, 36 N 4th av
Piro, James, 36 N 4th av
NEWARK—Schuman & Buscroff
NEWBURGH—Dwyer & Sager (General)
Moshier, Geo.
Parrott, Wm. (Dock & River), 178 Wash'n
Wilson, J. D.
NEW ROCHELLE—Eckstein, Gustave
Galgano Bros.
Pioneer Contracting Co.
Smith, Thomas & Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Armstrong, Henry, Malbone c
Rogers av
Borough Construction Co., 44 Court
Boylan Contracting Co., 292 Scholes
Bracken-McAveney Co., ft 6th
Bristow & Co., 1475 Pacific
Bulkley, Washington,. 94 Emerson pl
Campbell, James J., 284 Moffat
Campbell, John M., 157 Spencer
Carlin, F. W. Construction Co. (Builders, etc.), 307 Washington
Cashman, John J., 44 Court
Chapman & Ryan, 35 Lincoln pl
Cranford Co., 52 9th
Cronin, Barth S. (Public Work), 573 Clinton
Cunningham, Frank (Excavating, etc.), 24 Emmett
Dady, M. J. Co. (Public Work), 350 Fulton
Desmond Bros. (Public Work), 449 Columbia
Donlon Contracting Co., 84 B'way
Furey, Robert (Public Work), 186 Remsen
Gallagher, Frank J., 490 Park pl
Haley & Keegan, 50 Dobbin
Harris, Isaac (Paving, Sewer & Public), 485 Flatbush av
Hart, Charles (Public Work), 617 Degraw
Jenkins, Theo. S., 44 Court
Kelly, Thos., Rochester av, n East New
Kordes, Hy. E., 243 Moffat York av
McCormick, Thos., 810 Lincoln rd
McKeever, Edw. J. & S. W. (Public Work)
McNamee, John (Public Work), 16 Court
MacArthur, Jas., 22 Ormond pl
Maillie, Jno. F. (Paving & Public), 1253
Miller, Luke, 80th n 7th av Prospect pl
Monahan, John E., 496 Manhattan av
Murray, P. J. & Co. (Sewer, Large), 215 Montague
Newman Construction Co., 215 Montague
Nolan, William, 375 Fulton av
Norton & Gorman (Public Work), 301 Douglass
Pruden, Chas. L., 468 59th
Purcell, Jas., 79th nr 4th av
Rapid Transit Subway Construction Co., 350
Robinson, J. M., Co., 44 Court Fulton
Ryan, N. Co., 489 Smith
Schubert, Bernard, 155 Jamaica av
Seaboard Construction Co., 639 Gates av
Sigretto, Jos. L., 1223 41st
Simpson, Wm., 14 Emerson pl
Strype, Richard, 40 Coffey
Thatcher, Jno. & Son (Builders, etc.), 54 Park av
Unique Construction Co., 291 3d av
Vofrei & O'Hearn, 427 40th
Walsh, Frank M., 374 Hamilton av
Wilson & Baillie Mfg. Co., 85 9th

Boroughs of Manhattan & Bronx.

NEW YORK—*Abbott-Gamble Co., 32 B'way
Altieri, Jerry (Excavating, etc.), 1567 Wilkins av
AMERICAN CONCRETE CO. (Sewer & Concrete Reinforcing Engineers & Contractors), 80 William. (See adv. index, end of book)
Asphalt Construction Co. (Paving, etc.), 137th & Madison av
Atlanta Contracting Co., 434 E 91st
Atlantic Dredging Co., 25 Whitehall
Atlantic, Gulf & Pacific Co. (Dredging), 17 Park row
Baird, Matthew, Contracting Co. (Public Work), 433 E 92d
Baker-McKean Co., 1161 B'way
Baxter, Wm. C., 1928 White Plains rd.
†Beacon Contracting & Construction Co. (Light & Power Plants), 280 B'way
Beaver Construction Co., 22 William
Bellman & Sanford (Engineers & Contractors), 149 B'way
Berlin Construction Co., 220 B'way
Blumenauer, Wm., 369 E 151st
Bouker Contracting Co., 24 State
Boyd & Selfrige, 949 B'way
Bradley Contracting Co., 172 Bowery
Bradley, Jas., 329 W 68th
Bradley, Wm. & Son (Public Work) 90
Briggs, Jas. M., 154 Nassau West
Brooks', Wm. Son Co. (Excavating, etc.), 615 W 49th
Brown, Isaac T. (Dredging, River & Harbor), 15 Whitehall
Brown & Fleming Contracting Co., 59
Bryson-Gamble Co., 165 Broadway Pearl
Buckley, Thos. J., Construction Co., 45 W 44th
Burke, Luke A. & Sons (Builders & General), 25 W 42d
Butler Bros. Hoff Co., 1170 B'way
Canavan Bros. Co., 518 W 56th
Carlin, P. J. Construction Co. (Builders & General Contractors), 16 E 23d
Chapman, F. H., 43 Cedar
Chilian Contracting Co., 43 Exchange pl
*Clark & Co. (Public Work, Railroad, etc.), 100 B'way
Collins, Chas. W. (Sewer & Public), W 225th & B'way
†Commercial Construction Co., 114 E 28th
Conrady Co., 232 E 42d
Conroy Bros. (Inc.), 217 W 125th
Consolidated Engineering & Construction Co. (Buildings & Steel Structures, etc.) 1 Madison av
Consolidated Telegraph & Electrical Subway Co. (Subway, etc.), 66 Lafayette
Contessa, Vito & Co., 226 E 121st
Cornwell, John, 69 E 127th
Coverdale, W. H. & Co. (Engineers & Contractors), 66 B'way
Cowen, Chas. A. & Co. (Builders & General), 1123 B'way
Cowen, Newman, 87 Nassau
Cramp & Co. (Inc.), 36 E 23d
*Crimmins, Thos. Contracting Co. (Municipal & Public), 144 E 69th
Crockett, W. & W. F., 1233 2d av
Crow, Wm. L., Constr. Co., 289 4th av
Cuff, Wm. (Excavations), 426 E 104th
Culgin-Pace Contrg. Co., 133 W 129th
Cunningham, T. Co. (Sewer & Public), 608 E 15th
Cunningham & Kearns Contracting Co., 438 E 91st
*Cuozzo, Donato, 61 Park row
Curtin-Ruggles Co., 39 Cortlandt
Dailey & Ivins, 21 Park row
Darling, Oscar, 17 Park row
Dawson & Archer, 150 5th av
*†Degnon Contracting Co. (Public & Marine), 60 Wall
Deisler & Stevenson (Masons & General), 520 5th av
Dempsey, Chas. J., 1520 3d av
Dillman Fireproof Const. Co., 225 5th av
Doctor, Geo., 209 W 133d
Doran, Chas. L., 1015 Waldon av
Dorgan Bros., 413 E 65th
Duffy, James J., 533 W 24th
Dunn, Bartholomew (Sewer & Public), 444 E 68th
*Dunn, F. C. & Co. (Inc.) (Railroads, etc.), 43 Exchange pl
Dunn, Geo. M., 481 E 171st
Eidlitz, Marc & Son (Builders), 489 5th av
Elgar's, James, Sons, 19 Lexington av
Empire City Subway Co. (Ltd.) (Subway, etc.), 15 Dey
Estner, Charles, 123 Essex
Exner, Paul J., General Building & Construction Co. (Inc.), (Builders, etc.), 1 Madison av
Falk, Frank Contracting Co., 830 Westchester av
Farrell, E. J. & Co., 159 W 125th
*Farrell, Hopper & Co. (Masonry, R. R. Tunnelling, Dock, Bridge, etc.), 2105 7th
Federal Construction Co., 115 B'way av
*Ferguson Contracting Co. (Railroad & Public), 37 Wall
Ferguson, John W. Co. (Factories, Mills, etc.), 253 B'way
Ferro-Concrete Contracting Co. (Concrete Construction, etc.), 1 Madison av
Figliuolo, J., 719 Union av
Fissell, Wm. H. & Co. (Builders, etc.), 1133 B'way
Fitzgerald, Michael J., 501 10th av
Fitzgerald, W. J. (Paving), 547 W 45th
Flanagan, Joseph, 3125 Corlear av
Fleischmann Realty & Construction Co., 170 B'way
FLEMING & CO. (Stable & Pavings), 253 B'way. (See adv. index, end
Fogarty, Patrick, 450 E 57th of book)
Foundation Co. (Engineers & Contractors, Caisson & Bridge Foundations, Sea Walls, Excavations, Tunnels, Mine Shafts, etc.), 115 B'way
Fox, Henry E., 1987 Madison av
Franklin Contracting Co., 1 Hudson
Fuller, Geo. A. Co. (Builders, etc.), 949
Gallick, Jos., 1682 1st av B'way
Galligan, Thomas, 609 E 18th
Gallo & Pittelli Construction Co., Jerome av & E 165th
*Gamble, James Contract Co. (Canal, Gas House, R. R. & Public), 15 William
Garry, Jos., & Son (Public Work), 418 E 25th
*General Contracting & Engineering Co. (Railroads, Piers, Docks, Bulkheads & Harbor Improvements), 50 Church
General Supply & Construction Co. (Builders & Government Work), 43 W 34th
Gerstle, Ralph J. F., Co., 1980 7th av
Gest, Guy M., 277 B'way
Gilbreth, Frank B. (Large), 34 W 26th
Gillespie, T. A. Co. (Public & Waterworks), 90 West
Gillies, Campell & Co., 1 Madison av
Goble, Frank M., 1 E 42d
Godwin Construction Co. (Harbor Improvements), 30 Church
Goodman, Patrick (Water, Gas & Drainage), Gordan, John, 501 5th 257 E 133d
Grading Contracting Co., 13 Park row
Grant, Alex, 39 Cortlandt
*Guarantee Construction Co. (General & Railroad), 90 West
Guidone & Galardi, 162 E 23d
Haggerty Contracting Co., 217 W 125th
Haight, Eburn F., 175 W Houston
Halligan & Son (Excavating), 549 W 40th
Handibode, Peter, Jr. (Sewer & Public), 1172 Castle Hill av
Hannan, P. G., 815 E 213th
Harlem Contracting Co., 2 Rector
Harlem Excavating Co., 167 E 112th
Hart, B. F., Jr., & Co., 143 Liberty
Hart, Jas. A. Co., 256 B'way
†Hatzell & Buehler, 571 5th av
Hedden, V. J. & Sons Co. (Building), 1 Madison av
Heineken, Bayne & McCarthy Co., 1123 Broadway
Helbock, C. Sons, 633 Wales av
Hennebique Construction Co., 1170 B'way
Henry, R. & C., 633 W 47th
Hensle Construction Co., 3210 B'way
Hickey Contracting Co., 13 Park row
†Hildreth & Co., 135 B'way
Hoggson Bros. (Inc.), 7 E 44th
Holding, Wm. F., 2426 Davidson av
Holland & Co. (Public & Municipal), 493 W B'way
Holmes, Bros. (Underwriters' Work), 265 B'way
Holst Construction Co., 608 E 84th
Hood, R. H. Company (Building, Waterworks & General), 299 B'way
Hopper, Isaac A. & Son (Building & Public), 1170 B'way
Hopper, Jno. J., 217 W 125th
Horn, Edward C., 1440 B'way
Hough, J. W., 7th av & W 151st
Housner, Wm. H., Jr., 286 St. Ann's av
Hudson Companies, 30 Church
Hudson Engineering Co., 90 West
Hyde, Frank D., 7 E 42d
Indelli & Conforti, ft E 125th
*International Contr'g Co., 17 Battery pl
Inter-State Dredging Co., 17 Battery pl
Jenks-Asserson Construction Co., 59 Pearl
Johnson, Chas. O., 482 W 24th
Kane, M. & Sons (Excavating, etc.), 31
Kearns, P. J., 438 E 91st Perry
Keating, John L. & Co., 323 E 28th
Keystone Constructing Co., 1511 3d av
Kelly, Anthony, 217 W 125th
Larkin, Michael & Son, 519 E 16th
Larkin Bros., 627 E 169th
Lawler Bros. Construction Co., 21 Park row
Leahy Contr'g & Const. Co. (Sewer & Public), 1446 Prospect av
Levin & Levin Contracting Co., 320 5th av
Libman Contracting Co., 1968 B'way
Lipps, Henry, Jr. (Sewer & Public), 3300
Olinville av, Williamsbridge
Lyons, Jeremiah C. Building & Operating Co. (Builders), 4 E 42d
McBean, D. D., 17 Park row
McCaul, Thos. F. Contracting Co., 2367 3d
McCoy, Daniel J., 204 W 65th
McDonald & Barry, Sedgwick & Bailey
McDonald, John B., 90 West avs

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McDonald & Onderdonk (Public Work), 2900 Jerome av
McHarg-Barton Co., 165 B'way
McGuire, Jas. C. & Co., 50 Church
McLaughlin, Thos. F., 346 E 81st
McMullen, Arthur & Co. (Pneumatic Caisson Foundations, Bridge, Trestle, Docks, etc.), 21 Park row
McMullin & McDermott, 21 Park row
McMullen, Weand & McDermott, 21 Park Row
McNiece, David J. (Public Works), 128
McNulty Bros., 549 W 52d
McQuade, John J. (Public Works), 311 1t. Anns av
McQuillan, Bernard (Public Work), 437 E 65th
MacArthur Bros. Co. (Heavy Buildings, etc.), 11 Pine
MacDonald, Chas., 7 Nassau
Madden Bros., 202 W 142d
Malatesta, John B., 3169 Jerome av
Mallett, W. A. Co., ft. of Main, Westchester
Manhattan Contracting Co., 1 W 34th
Markenfield Construction Co., 50 Church
Markey Bros., 164 E 35th
Marmac Construction Co., 316 W 30th
Marrin, E. & J., 520 E 18th
Marrone, Michael, 414 E 116th
Masterson, Wm. H., 1849 Anthony av
Matthews, Edw. A., 17 Park row
Mechanics Construction Co., 165 E 88th
Meyer Contracting Co., 1133 Broadway
Monks, John & Sons (Dock, Bridge & Harbor), 82 Beaver
Mooney, Jas. J., 333 E 24th
Morris & Cumings Dredging Co. (River & Harbor), 17 State
Morrison, Edward, 54 Manhattan av
Mount & Robinson, 28 Beaver
Mullen Bros., 531 11th av
Mulry, Thos. & Son (Excavating, etc.), 540 W 21st
Municipal Engineering & Contracting Co., †Muralt & Co., 114 Liberty 90 West
Murdock, Harvey, 116 Nassau
Murphy Bros. (Builders, etc.), 489 5th av
Murphy Construction Co., 5 E 42d
Murphy, J. Co. (Builders & General Contractors), 162 Reade
Murray, Wm. J. (Sewer & Public), 316 E 96th
Murray & Co. (Trucking, etc.), 259 Av C
*Naughton Co. (Railroads, Piers, Tunnels, Foundations, Subways, etc.), 309 B'way
N. Y. CONTINENTAL JEWELL Filtration Co. (Government, Municipal, Industrial & Railroad Work), 15 Broad (See adv. index, end of book)
New York Contracting Co., 215 W 33d
New York Filling Co., 17 State
New York State Construction Co. (Engineers & Contractors), 78 Broad
New York Tunnel Co., 45 Wall
Norcross Bros. & Co. (Builders & Public Work), 160 5th av
North Bros., 526 Southern boul
North Eastern Construction Co. (Engineers & Contractors), 225 5th av
North Western Construction Co., 43 Exchange pl
Norton, Patrick (Public Work), 422 E 64th
O'Brien Bros., 54 South
O'Connell, Michael, 2075 Archer av
O'Leary, Jno. J. Co., 39 Cortlandt
O'Rourke Engineering Construction Co. (Pneumatic & Other Foundations, etc.), 345 5th av
Oxnard Construction Co., 32 Nassau
*Pacific Improvement Co. (Railroad Construction), 60 Wall
Packard, Ralph G. Co. (Dredging & Harbor), 130 Pearl
Paladino Contracting Co., 523 E 119th
Palladino, Joseph, 4590 Park av
Parker, John H., Co., 42 E 23d
Pasquini, A., 1123 B'way
Pearson, S. & Son, ft of E 33d
Peirce, John Co., 90 West
Phelan Bros., 2808 3d av
Phoenix Construction Co., 41 Park row
Piercy, H. C. & A. I. Contracting Co., 422
Pierson & Goodrich, 281 4th av W 15th
Pietrowski, Konop & Co., 420 E 91st
Pilkington, James (Sewers), Riverside Drive nr Depot la
Pinckney, H. Irvington, & Co., 33 Fulton
Pinckney, E. A., 33 Fulton
Pucci Contracting Co. (Public Work), 340 E
Qualey, J. S. Co., 29 B'way 100th
Quinn, James, 1468 Ave A
Quinn, W. H. & Co., 108 Chambers
Rapid Transit Subway Construction Co., 17
Reddy, Patrick, 28 W 120th Park row
Reid, M. & Co., 114 W 39th
Reid-Palmer Construction Co., 11 E 59th
Republic Gen. Contr. Co., 1183 B'way
Rice, Lawrence J., 103 Park av
Richards & Gaston, 143 Liberty
Robinson, A. J. Co., 123 E 23d
*Rogers, J. C. & Son, 1 Madison av
Rogers, Geo. W. & Co. (Harbor & Dock), 44
Rooney, Robt. J., 1245 Simpson B'way
Russell Contracting Co., 156 5th av
Ryan, Cornelius J., 318 W 72d
Ryan-Parker Construction Co., 21 Park row
†Sanderson & Porter (Power & Lighting Equipment, etc.), 52 William
Schlesinger, Jacob, 45 W 34th
Schnaier, Robt., 957 Madison av
Schneider, Chas. E., 167 N Findley av
Seaboard Contracting Co., 299 B'way
Shanly, Edw. (Est. of), 17 Park row
Shanley-Morrisey (Inc.), 527 5th av
Sheehan, John C. (Public Work), 253 B'way
Sheridan, T. A. S. Co. (Macadam, Excavating, Rock Blasting, Paving, etc.), 24
Shields & Carber, 143 Liberty State
Sinclair, Geo. T., 503 5th av
Slattery, John (Sewer & Public), 368 Park
Smith, Augustus & Co., 149 B'way av
Smith, Clarence L. Co. (Excavating, etc.), 544 W 30th
Smith, F. V. Contracting Co., 147 E 125th
Snare & Triest Co. (Steel & Masonry Construction), 143 Liberty
Soprana, P., General Contracting Co., 14 Chrystie
Spearin & Preston (Dock, River & Piling), 90 West
Springsted & Adamson, 424 E 107th
Staats, R. P. & J. H. (Docks, Bridges & Buildings), 29 B'way
Stannard, Ambrose B. (Heavy Government Buildings), 1133 Broadway
Steers, Henry (Harbor Work, Piers, Concrete Foundations, etc.), 17 Battery pl
Stephens, Clinton, Jr. (Public Work), Clason Pt.
Stevens, Hewitt Engineering Co. (Public Work), 15 William
STEWART, JAS. & CO. (Harbor, Marine & Heavy Buildings), 30 Church
Stewart-Kerbaugh-Shanley Co. (Large), 627
Stoddard & Hughes, 244 W 29th 5th av
*Strang, W. B. & Co. (Railroad & Public Work), 15 Wall
Submarine Contracting Co., 81 New
Sullivan, Patrick, 230 Grand
*Sundstrom & Stratton Co., 90 West
Sutherland, Alex M. (Street Railways, Water Works, etc.), 49 Wall
Taylor Dredging Co., 24 State
Terry & Teuch Co., Lex., Ave C, E 131st
Thompson-Starrett Co. (Building Construction), 51 Wall
Tide-Water Bldg. Co., 25 W 26th
Traylor Engineering Co., 2 Rector
Tulloch, David M. (Est. of) (Public Work), Udall, Jno. C., 29 W 34th 180 Pearl
United Contracting Co., 3 E 116th
*†United Engineering & Contracting Co. (Railroad, Dams, Tunnels, Bridge, Difficult Foundations, etc.), 17 W 42d
United Gas & Water Works Construction Co., 1 Madison av
United States & Venezuela Co. (Paving, etc.), 1 B'way
Van Wagoner-Linn Construction Co., 110 W 28th
Vassar's G. Son & Co (Building), 1170 Broadway
Walsh, John F., jr., 136 Charlton
Warren-Burham Co., 5 Nassau
Water Front Improvement Co., 220 B'way
Waters, Thos. J., 217 W 125th
Watson Contracting Co., Aqueduct av nr. Kingsbridge road
Webster, Fred'k, 16 Cedar
Wechsler, Louis, 1133 B'way
Wells Bros. Co., 160 5th av
Wells & Newton Co., 292 Av B
†**WESTINGHOUSE ELECTRIC & Mfg. Co.** (Electric Power Installation). (See adv. index, end of book)
†White, J. G. & Co. (Engineers & Contractors), 43 Exchange pl
Whitney, Steen Co. (Builders), 135 B'way
Williams Engineering & Contracting Co., 13
Willigan, F. T. Co., 1107 Fox Park row
Wood, E. J. Co., 243 B'way
ZIMMERMANN, JACOB A., 505 5th av. (See adv. index, end of book)

Borough of Queens.

FAR ROCKAWAY—Kaiser, George
FLUSHING—Brown & Pack
Peace Bros. (Grading, Excavating, etc.)
Tuohy, T. F. & Co.
LONG ISLAND CITY—Brahy, Jno. W., 283
Brown, Thos. A., 699 Crescent Crescent
Doolittle, Jno. A., 281 Borden av
Fitzpatrick, Edward, 180 3d
Gould-Welden Co., 142 West av
Hill, G., 90 Washington av
Leddy & Moore, 53 8th
Paradise, Anthony, 98 B'way
Quinn, H. F. & Sons, 22 Hunter's Pt av
Stevenson, Jas. A., Jackson av
Woodruff, C. Curtis & Co., 211 10th
OZONE PARK—Carupella, Pasquale & Co.
ROCKAWAY BEACH—Crabbe, Chas.
WHITESTONE—Collins, Lawrence

Borough of Richmond.

NEW BRIGHTON—Hart, P. & Sons (Excavating & Flagging), 17 Laf. av
PORT RICHMOND—Donovan Bros. (Public Works, Jno. Co. Work, Roads, etc.)
STAPLETON—Brady Bros.
Wolff, Philip & Son.
TOTTENVILLE—Abrams, Andrew
WEST NEW BRIGHTON—Attridge, Jno. F.
Brown, A. C., & Son
Brady Bros.
Carlin, Thos.
Johnson's, Joseph Sons
Lynch, William F.
Wheeler, James

(End of New York City)

NIAGARA FALLS—Braas Bros. Co. (Excavating, Heavy Masonry, etc.)
Cookman, W. H. (Sewer & Public)
Crogan, Carmine (Excavating, etc.)
Douglas, A. C. (Shaft Sinking & Tunnel Work)
Horn, Andrew (Excavating, Grading, etc.)
Read-Coddington Engineering Co. (Brick & Shepard, Wm. A. Asphalt Paving, etc.)
NORTH TONAWANDA—Morris & Allan
OLEAN—Dean & Havens
OSWEGO—Barnett Contracting Co.
PATCHOGUE—Conklin, Jas. P. & Son
Terrell, E. G.
PEEKSKILL—Smith, John, Jr (Evcavating, Sutton, Allen L. etc.)
PLATTSBURG—*Buckley Construction Co.
McQuillan, A.
PORT RICHMOND—(See New York City, Borough of Richmond)
POUGHKEEPSIE—Burgess, Jas. D. & Son
Maloney Bldg. & Construction Co. (not inc.)
ROCHESTER—Brayer & Albaugh (Sewer, Grading, Heavy Masonry, etc.), 27 Main, E.
Brotsch, F. A. & Son (Street & Sewer), 826 Clinton av, S
*Casey & Murray (Water Works, Railroad, Paving, Bridge Masonry, Street & Sewer), Powers bldg
*Chambers & Grady (Sewer, Paving, Masonry, R. R., Waterworks, Roads & Builders), Powers bldg
Comstock, E. A., 1030 Main, E.
Edgerton, H. H.
Cowles, H. N. (Sewer & Public Work), 6 Gorsline
Finucane, Thomas W. Co., 3 Elton
Foery & Kastner Street), Goodman, opp. Central Park
Friederich, A. & Sons Co., E. & B. bldg
Fuller, Wm. (Sewer & Street), 16 State
Gorsline & Swan Construction Co. (All kinds of Building Work)
Hagaman, Miller & Hagaman (Sewer, etc.), 16 State
Holahan, Thos. (Street), 164 Lewis
Holahan & Dailey
Hooker, H. B. & Son (Waterworks, Railroad, Sewer, etc.), Wilder bldg
Horn, C. L. (Street, Sewer & Buildings), 309 Joseph av
Houck, Lewis H., 361 Grand av
Lauer, Fred O & Sons (Sewer & Street), 458 S Clinton av
Ludington, Ira M., 627 Powers bldg
Luther, Jno. & Sons Co. (General & Builders), 162 North
Rapp, F. H. & Co., Granite bldg
Ripton & Murphy (Street, Sewer, etc.), 72 Penn
Stallman, H. P. & Son, 712 St. Paul
Whitmore, Rauber & Vicinus (Sewer, Street, Roads, etc.), 279 South av
SALAMANCA—*Miller, Fred
SANDY HILL—Gilmour-Horton-Allen Co.
Higley & Barber
SAYVILLE—Ritch, Philip C.
SCHENECTADY—Beckwith Bros.
Brown & Lowe, 437 State
Crane, T. R., Constructing Co.

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Kinum, Andrew (Building & Public), 119 Park pl
McDermott, Jno. (Building & Public), 108
Schenectady Contracting Co. Romeyn
STAPLETON—(See New York City, Borough of Richmond)
SYRACUSE—†Archbold-Brady Co. (Power & Lighting Equipment)
Canal Quarry Co. (Breakwater, Harbor, etc.)
*Dickison, Guy B. (R. R. & General), Kirk
Dawson Bros. bldg
Dunfee, Joseph (Public, Canal, etc.)
Hemmer's, John Sons, 218 Sunset
Leamey, J. E. & Co. (Builders & General), 1108 Grape
*O'Brien & Hoolihan Contracting Co. (Building, Canal & Public), 1722 Park
Sullivan, C. J., 126 S Clinton
TARRYTOWN—Duell, Jas. (Sewer, Paving & Excavating)
TROY—Corliss Construction Co. (Reads, etc.), 404 River
Crowley, Chas. Co. (Not Inc.), 114 3d
Hawley, Jas. C.
Hudson Valley Construction Co., Times bldg
Karr, Thos. H. (Roads, etc.), 708 Fulton
Kelly, Edward, 143 3d
Murray, Martin (Roads, etc.), 14th & Hutton
TUCKAHOE—Bellew & Merritt Co.
UTICA—Griffiths & Pierce, 72 Charlotte
Kerner, P. & Son, 2 Canal
Peters, Nicholas D. & Co. (Sewer, etc.), 23 Kossuth av
Richards, R. & Son, 42 Elizabeth
Roberts, H. W. & Co., Mann bldg
Troy Public Works Co. (Public Work), Utica City National Bank bldg
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WHITE PLAINS—McCabe, W. F. (Roads, etc.)
Merritt, Freeman H.
O'Rourke, John
Richards, Tony (Public Work)
YONKERS—Cahill, Daniel, 130 Elm
Garnjost, F. A., 48 High
Mangini, Nicholas, 177 Waverly
Molloy, Murray & Co.

NORTH CAROLINA.

ASHEVILLE—Asheville Dray, Fuel & Construction Co.
Revell, O. D.
CHARLOTTE—Charlotte Consolidated Construction Co.
Jones, J. A.
GREENSBORO—Central Carolina Construction
WILMINGTON—Tyler, Thaddeus F. Co. (Inc.)
WINSTON SALEM—Bowman, E. C. & Co.

NORTH DAKOTA.

FARGO—Anderson, Geo. A.
Hegan, Andrew S.
Jenson, H. B.
Kennedy, James (Public Work)
Porritt, C. H. (Sewer & Public)

OHIO.

AKRON—Carmichael, Geo. W. & Co. (Builders, etc.), Hamilton bldg
Davidson, J. M. (Sewer, etc.), 307 S B'way
ALLIANCE—Devine, J. C. (Paving & Railroads)
BARBERTON—*Paul & Henry Construction Co. (Steam Shovel & Municipal Work, etc.)
BELLAIRE—Hollarback & May Contract Co. (The)
CANTON—Downs & Campbell (Paving, etc.)
Metropolitan Construction Co.
Skeeles, John (Excavating), 735 S Market
CHILLICOTHE—Pfaff & Smith
CINCINNATI—Bantley, Henry, Spring Grove av, Winton pl
Bolan, J. M. (Street), 1466 State av
Broeman, Frank (Street, etc.), 3140 Gaff av
Buckeye Wrecking & Salvage Co., 959–67 W 7th
*Caruso, Anthony Bro. & Co., 209 W 3d
Colter, Archibold (Street), Vine & Longworth
Coyle, Joseph, 1527 Chapel, W. H.
Drach, Louis Construction Co. (General), Temple Bar
Evans, Evan (Sewer, etc.), 1226 Ida
Fogarty, Wm. (Grading, etc.), 2350 Burnet av
Fox, Frank W. & Co. (Paving, Sewer & Public), Dayton & Freeman av
Funke, John (Excavating, etc.), 2466 McMicken av
*Gest, G. M. (General), Union Trust bldg
Glandorf, C. H. (Pile Driver & Public), 8th & Plum
Glazer, W. A. & Co., 703 Reading rd
Gleason, Patrick (Street), 1906 Highland av
Goodman, John & Co. (General), 2133 Florence st
*Gordon Engineering Co., Cement & Brick Builders' Exch
Hazen, L. P. & Co. (Heavy Buildings & Public Work), 1610–20 Reading rd
Heffron, Wm. Construction Co., Neave bldg
Henkel, August J., Mercantile Library
Hoke Bros. Bldg. Co., Allen Bldg.
Hummel, David Building Co. (Masonry, etc.), 2629 Spring Grove av
*Keystone Construction Co., Traction bldg
Kirchner Construction Co. (General), 8th & Plum
Maloney, Thomas (General), 1858 Forest av, W. H.
Meier, Chas. (General), 3846 Colerain av
Nave, E. C. Bros. Co., 617 Johnston bldg
Pachoud Bros., 1037 Gilbert av
Quill & Poos, 918 Morris
Robinson, O. E. (General), 4647 Hamilton av
Roche-Bruner Building Co., Johnston bldg
Ruebel, Jno. & Bro. (Street), Atlas Bank bldg
Sheridan-Kirk Contract Co. (Government & Dredging), Mercantile Library bldg
Smead, Isaac D. & Co., Com. Tribune bldg
Strack, Thos. P. (Street & Sewer), 330 W. 9th
Sullivan, Michael & Sons, Montgomery & Todd rds (Silverton)
Walker, Geo. P. (Sewer), Carlisle bldg
Wiese & Hanley (Grading, etc.), 1239 State
Wright, Chas. L. (General), Custer, s of Observatory rd
CLEVELAND—American Cons. Co. (River & Harbor Improvement, etc.), Rockefeller bldg
American Contracting Co. (Bridges), Osborn bldg
Anders, Carl, 12567 Clifton boul, Lakewood
Andrews Bros., Schofield bldg
Austin, Samuel & Son Co. (General), 4401 B'way, S E
Baldwin Bros. & Graham (Paving, Sewer, Water Works, etc.), Rose bldg
Beers & Doolittle, Soc. for Savings bldg
Buckeye Contracting Co., Cuyahoga bldg
Burgess, C. H. (Paving & Public), Lennox
Burkhardt, Christian (Sewer), 1331 W 83d, N W
Burnett, Rollin P. (Paving & Sewer), Society for Savings bldg
Burtscher, Jos. I. (Sewer), 2197 E 36th, S E
Campbell, M. P. (Sewer, Grading, etc.), 11225 Detroit av
Carey Construction Co. (Heavy Masonry, etc.), Electric bldg
*Carter Construction Co., Citizens bldg
Clements Bros. Construction Co. (Paving, Sewer & General), Colonial Arcade
*†Cleveland Construction Co., Citizens bldg
Cleveland Trinidad Paving Co., 420 Lakeside av
Collier, H. J. Co., Garfield bldg
Connelly, J Construction Co., 2215 E 40th S. E.
Cook & Grant, 204 Eberly bldg
Culbertson, H. E. & Co., Citizens bldg
Dall, Andrew & Son (Builders), 121 Lakeside av
Dautel, L. & Son (General), 5710 Hough av,
Davis, Joseph C., Garfield bldg N E
Faragher, Burton P., Rose bldg
Fath, C. H. & Son Construction Co. (Masonry, Pile Driving, etc.), Electric bldg
Firchow, Julius P. Contracting Co., 1234 N 3d, N E
Gawne, W. J. Co. (Public Works, etc.), Citizens bldg
Gebhardt, E. W., 5703 Linwood av, N E
Gill, Jno. & Sons (Builders & General Contractors), Citizens bldg
Grant, Jno. & Son Co., Schofield bldg
Graves, E. M., Commercial Bank bldg
Great Lakes Dredge & Dock Co. (River & Harbor, Bridges, Foundations, etc.), Williamson bldg
Griese, D. C. & Walker Co. (General), 1417 Prospect av, S E
Griffin, C. N. & Co. (General), 2164 Ashland rd
Griffin-Watterson Construction Co., Builders Exch
Henahan & King (General), Builders' Ex
Hunkin Bros. Construction Co. (Breakwaters, Piers, Buildings, etc.), Cuyahoga bldg
Kemsies, F. Albert (General), Schofield bldg
Koblitz, I. & Son (Sewer), 1305 Prospect av, S E
Lindhorst, F. & D. (General), Superior bldg
McManus, Thos. J. (Grading, Paving, etc.), 1785 E 93d, N E
MacKenzie, L. W. (General), Park bldg
*Marsch, John
Nims, W. A. Co., Williamson bldg
Northern Ohio Paving & Construction Co. (Concrete, Grading & Paving, etc.), Arcade bldg
Paul, Wm. T. & Sons, 1865 E 81st, N E
Pierce, John Co., Rockwell av, s w cor 3d (E)
Phillips & Bixel (Waterworks, Sewers, Grading, etc.), 235 Superior av, N W
Reaugh Construction Co. (Paving, etc.), Garfield bldg
Reserve Construction Co. (Sewer, etc.), 1694 W 25th
Samman, Peter, Williamson bldg
Schade, Jacob (General), Chamber of Commerce bldg
Schmeller, Jno. (General), 3341 Seymour av, S W
Slatmyer, Henry G. (General), 208 Lakeside av, N W
Spence Bros. Construction Co. (Grading, Paving, Sewers, Macadam Roads, etc.), 12409 Euclid av
*Standard Contracting Co. (Railroad & General), Wade bldg
Standard Engineering Co., Garfield bldg
Standard Paving Co., Electric bldg
*Strong, C. H. & Son (Dredging, Steam Shovels, Bridge Masonry, Docks, etc.) Cuyahoga bldg
Stroud, E. G. Co., Rose bldg
Tausch, Wm. F. (General), Williamson bldg
Thompson, Walter I. & Son (General), 5015 Euclid av
Townsend, W. J. Co. (Sewer & Street Improvement), 10700 Drexel av, N E
*Tuttle, I. D., Blackstone bldg
Velotta, Pasquale (Sewer, etc.), Williamson bldg
Vogel, Fred. H. (General), Citizens' bldg
Water Works Construction Co., Citizens bldg
Watterson, Henry (General), Citizens' bldg
Watterson & Clague, 7119 Carnegie av, S E
Whitton Construction Co. (General), Schofield bldg
*Williams Bros. & Morse Co. (R. R. Work, Heavy Masonry, etc.), Builders' Ex
Wilson, I. V., 4609 Euclid av
Wood, Thos. (Sewer, etc.), 110 Prospect av,
Young, Wm. C., Citizens bldg N W
Younger & Farmer Co., 1670 Crawford rd, N E
COLUMBUS—Abbott, Nathan B. (Paving, etc.), 85 N High
*Adams, J. T., Columbus Savings & Trust
Ballinger, J. L. Construction Co., Hayden
Beard & Jacques, 259 S Pearl bldg
Buckeye Engineering & Construction Co., Union National Bank bldg
Burns, Michael J., Board of Trade bldg
†Capitol Construction Co., Ruggery bldg
Cherry, Wm. W. E., 40 W. Main
Cooke & Grant (General), Eberly blk
Evans, R. H. & Co., Columbus Savings & Trust bldg
Hegelheimer, Chas. G., Co., 446 E. Rich
*Jones Bros. (General, Railroad, etc.), Harrison bldg
*†Luchtenberg, Wm. H. & Co. (Paving & Public, etc.), The Wyandotte
McGrath, Daniel W. (Sewer & Masonry), New First National Bank bldg
Murphy & Miles, Columbus Trust bldg
*National Engineering Co. (Railway & Municipal), Brunson blk
Pugh, A. G. (Paving, Sewer, etc.), Union National Bank bldg
Shaw, H. J., Outlook bldg
Smith, Walker, Harden bldg
*Sturm, Lloyd E., The Wyandotte
Sullivan, D. F. & Son, Columbus Trust bldg
Westwater & Casey (Sewer, etc.), Wyandotte bldg
Wright, R. C., 801 N High
DAYTON—Beully, A. & Son
Dayton Construction Co.
Dayton Railway Construction Co.
Fauver, E. H. & Co.
Fox, Al. S.
Hall-Cronan Co.
Hoglen, Chas. H., 44 S Hopeland
Lycster, Wm. W.
Noel Construction Co. (Large)
Reese & Larkin
Requarth, F. A., Co. (The), Monument av & Sears
Shoup, J. O. & Co.
Stilwell, W. F.
Talbott, H. E. & Co. (Heavy Masonry, Concrete Work, etc.), 1020 Reibold bldg
Tejan, Frank (Excavating, Grading, etc.), 16 N. Edgar
FINDLAY—Hall, C. R. & Son (General)
GREENVILLE—Irwin Bros.

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HAMILTON—Andrews, R. N. Co. (River & Davis, Frank J. Harbor)
Hamilton Construction Co. (Sewer, Gas Main, Water Works, Paving, etc.)
IRONTON—Tri-State Improvement Co.
LANCASTER—Crook, J. Carl
Mowery & Darbyshire
MANSFIELD—Cotter Transfer & Storage Co. (Excavating, etc.)
*Frances, E. H. Sons (Railroad, etc.)
MARIETTA—Dickson, Beardsley & Foreman
Dowling, C. W.
MARION—Drake, P. & Sons
Hoffstetter & Dawson (Sewer, Excavating, Hummer Construction Co. etc.)
Kelly, P. & Co. (Public Work)
Leffler & Bland
Price & Hurley (Sewer, etc.)
Stafford, William O.
MASSILLON—Meinhart, John, & Son (Street & Public)
Vogt, W. H. & Son (Street & Public)
MIDDLETOWN—Arpp, John (Sewer)
NEWARK—Palmer Bros.
NEW PHILADELPHIA—Westhafer Cons. Co.
NILES—Mango, V., & Co. (Large Paving, etc.)
PORTSMOUTH—Kaps Bros. (Heavy Masonry, Kelly Bros. etc.)
Monroe, Samuel & Son (Sewer & Public)
Nave, E. G. Bros. Co. (Heavy Masonry & Bridge Work, etc.)
Nave-Ryan-Curtis Construction Co.
SALEM—Buell, Samuel (Sewer & Public)
SPRINGFIELD—Champion Construction Co.
Huonker & Williams (Sewer, etc.), 141 S Limestone
Ryan, Edw. (Paving & Public), 101 Clifton
STEUBENVILLE—McDonald, Andrew W.
TOLEDO—Beach, J. J. Grading), 1918 Wayne
Bick, Jacob N. (Trestles, Foundations & R. R.), The Nasby
Bodette, George H., 22 Columbia
Breyman & O'Neill ,Sewer, etc.), St. Clair bldg
Bright, Wm. W. (General), 2030 Adams
Carland, J. C., & Co. (Railroad & Public Works), Spitzer bldg
*Craig, George A., Nicholas bldg
Dixon Engineering & Cont. Co., 323 Huron
Garrigan Bros. (Paving & General), Valentine bldg
Hattersley Construction Co. (General), Gardner bldg
Hermann, C. C. J. (Sewer), 1080 Fernwood av
Horan, Jas. H. (Paving, etc.), The Valentine
Jones, Robert J. (Excavating), 816 Ambla
Kelly, T. J. (Sewer), 626 Avondale av
Kerlin Bros. Co. (Paving & General), Nasby
Knopp Bros. Co., 1415 Oak bldg
McKinney Bros., Nasby bldg
McLain, E. A. (Sewer), 958 South
Manor, Jos. J. (Excavating, Grading, etc.), 1818 Ewing
Miller, C. J., & Co., 107 Chamber of Commerce
Neukom, Albert, 140-50 Ottawa
O'Sullivan, M. F. (Sewer), 145 Oak
Rabbitt, Michael & Sons Co. (General), The Nasby
Reamsnider, Geo. (Sewer), 810 Lorain
*Sawyer, C. H., St. Clair bldg
Schultz, Chas. (Sewer & Paving), 723 Tessegrave, Frank E., The Spitzer cumseh
Sheehan, Henry (Sewer), 1208 Collingwood av
Schillinger Bros. Co. (Asphalt & Concrete Pavements), 215 City Park av
Spear, N. J., west of Central av.
Spieker, Henry J. Co., 409 Michigan
Streicher, H. P., & Co., Spitzer bldg
Thacher, A. Q. & Co. (Dredging, Submarine Work of all Kinds, Heavy Masonry, etc.), Marine bldg
Toledo Construction & Supply Co. (Paving & Sewer), Nicholas bldg
*Toledo Interurban Construction Co., 307 Superior
VAN WERT—Ireland, C. L.
YOUNGSTOWN—*Joyce, M. J.
Niedermeier & Restle
ZANESVILLE—Adams Bros. Construction Co.
Evans, R. H. & Co. (Sewer, etc.)
Fogarty, Thos. H.
Price, J. D.
Townsend, Frank M. (Railroad & Masonry)
Townsend, T. B. Brick & Contracting Co. (Sewer, etc.)

OKLAHOMA

OKLAHOMA—Anderson, T. B. Contracting Co.
Gross Construction Co.
O. K. Building & Construction Co.
Parks-Washington Co.

OREGON.

ASTORIA—Ferguson & Houston (General)
Lebeck, Leander
PORTLAND—Brooks & Downing
Columbia Contract Co., Commercial blk
Cook, C. J. Co., 55 5th, N
Findley, Felix
Gardner & McLennan
Giebisch & Joplin (Grading, etc.), 1 E 30th
Joplin & Meeks (Grading), 9 E 30th
Kern, Daniel
McInnis & Reed
Miller & Bauer, Abington bldg
O'Neil, John R.
Pacific Bridge Co., Mohawk bldg
*Pacific Coast Construction Co.
Paquet, Jos.
St. Helns Quarry Co.
Smith, B. F.
Standard Construction Co.
Steele, W. B. Construction Co.
Wakefield, Robert
Warren Const. Co., Oregonian bldg

PENNSYLVANIA.

ALLEGHENY—Berg & Melville, ft of Craig
Brogan, E., 1215 Franklin
Clark Bros. Co., Preble av & Bayard ton av
Cochrane, George A. & Co., 1210 Washington av
Frederick Bros. (General), 1914 Beaver av
*Gwinner, Edw. W. (General), 1801 Market
Hughes, Philip F., 1310 Federal
McCain, S. H., 1300 Veto
Morrison Bros. Co., 459 South av
Purnell, A. V. (General), 507 Jackson
Rose & Fisher (General), 821 Penna av
Trimble, W. F. & Sons Co., 1719 Greenwood
Wherry, Jas., & Co. (General), 857 North av
ALLENTOWN—Cassone, Wm. D. (Excavators for R. R., Quarries, Bldgs., etc.)
Hardner, Geo. H. (Sewers, Bridges, Macadam, Brick Paving, etc.)
Snyder, Jos. P. (Excavating & Cellar), 222 N 12th
Weaver Contracting Co. (General), 1306
ALTOONA—Altoona Construction Co. Gordon
*Finn Engineering Co.
Hughes, Clifton D.
Seedenburg & Fouse
Vipond Construction Co. (Sewer & Public)
Zimmers, Geo. A
ARDMORE—Mahan, Frank H.
BRADDOCK—McAdams, William, Sr. cavating)
McCrady Bros. Co. (Paving, Sewer & Ex-
CARBONDALE—Atkinson, Hugh cavating)
CARNEGIE—Dunshane & Lewis
McClintic-Marshall Const. Co.
CATASAUQUA—†Emanuel & Co. (Builders & Public Work)
CHAMBERSBURG — Nelson - Merydith Co. (Bridge Work, Reinforced Concrete Road Building)
CHESTER—Dickerson Paving & Construction
Hamilton, James M. Co.
Hanna, Jno. & Sons (Street Improvement, Excavating, Grading, Sewer, etc.)
Holcroft, W. H. & Co.
Morris, H. Lewis
Nolan Bros. (Builders, etc.)
Robinson, James (Sewer, etc.)
COATESVILLE — Dunleavy Bros. (Railroad & Thompson, W. A. P. Excavating)
CONNELLSVILLE — Connellsville Construction
Marietta, Marcus Co.
DUNMORE—Oakley, C. D.
Gibbons, Martin.
ERIE—McCormick, Jno., & Sons (Paving & Public), 645 W 10th
Mayer Bros. (Paving & Road), 1213 State
*Mayer, Henry
Shenk, Henry Co. (Builders & General Con-
FRANKLIN—Corrin & Wilt tractors)
Osborne, Edwin
Osborne, John
GALETON—Creco, Frank
GREENSBURG—*Bennett & Talbott (Railroad
Coulter & Furtwangler & Public)
Stark, H. F.
Westmoreland Construction Co.
HARRISBURG—Gettys & Girvin
Kamerer, Andrew, N 9th nr Market
Markley, W. D., 541 Woodbine
Schuddemage, Harry
Stapf & Benfer, 23 S 3d
Stucker Bros. Construction Co., 15 N. 2d
United Ice & Coal Co., Cowden & Forster
HAZLETON—Boyle, P. F.
Crellin, Jno. W. (Masonry & Excavating)
Cuyle, N. J. Son
HILLMAN—*McMenamin & Sims (R. R., etc.)
HOMESTEAD—Erbeck, F. J. (Paving & Public)
INDIANA—Bennett, M., & Sons
LANCASTER—Fritchey, J. U. & Son (Paving
Gesell, Geo. & Sewer)
Hook, Jno. H. (Sewer & Public), 431 W Lemon
McMellen, Elias (Bridge, Masonry & Builder)
Oster, Wm. M. (Paving, etc.)
Wohlsen, Wm., & Son
LEWISTON—Ahrens Construction Co.
Steinbach-Billmeyer Co.
LOCK HAVEN—*Miller Construction Co.
Salmon, David
McKEESPORT — Bowman Bros. (Paving,
Oliver, Robert Street, etc.)
Wertenbach, John H.
McKEES ROCKS—Herbst, J., Lumber Co.
MAHANOY CITY—Dononue, John
MEADVILLE—McGuigan, Thos. (Sewer&Public)
Robinson, Fred'k (Sewer, Paving & Excavating)
NEW CASTLE—Huey, Samuel R. (Heavy
Kline, H. Masonry, etc.)
NORRISTOWN—Dyer, Jno. T., Quarry Co. (Railroad & Public Works)
OIL CITY—Allen & Meals Co.
PHILADELPHIA—American Dredging Co. (River & Harbor), Mariners' & Merchants' bldg
American Pipe Mfg. Co. (Water Works), Fidelity Mutual Life bldg
Armstrong & Latta (Dock, Harbor & Public), Land Title bldg
Atkins, Edward, 1221 Arch
Barnes, Winfield S. & Co., Witherspoon bldg
Barret, G. McN., 5806 Magnolia, Gtn.
*Boas, F. J., 14 S Broad
Bowers Bros. Co., Real Estate Trust bldg
Brady-Dackert Co., 1118 Chestnut
Brann & Stuart Co., Arcade bldg
*Brendlinger, P. F., Arcade bldg
Brocklehurst, Harry, 512 W Norris
Brown, John G. (Contractor & Engineer), Witherspoon bldg
†Brubaker, G. S. W. & Co., Witherspoon
Byers & Clarkson, 806 Walnut bldg
*California & Texas R'y Construction Co., 26 S 15th
Cherokee Construction Co., Girard bldg
*Clement, F. H. & Co. (R. R., etc.), Land Title bldg
Columbia Contracting Co., Arcade bldg
Connor, Thos., 3333 N 5th
Cornell, J. S. & Son, Land Title bldg
Courtenay & Son, 1305 Arch
Craig, Charles (Excavating, etc.), 2632 Columbia av
Cramp & Co. (Builders, etc.), Commonwealth bldg
*Crossan Construction Co. (Railroad), Land Title bldg
Cunningham & Murray, 1345 Arch
Denbeigh Construction Co., Land Title bldg
De Zouche-Hanson Co., Arcade bldg
Dickerman & Yeakley, 26th & Susquehanna av
DOAK, JAS. G., & CO. (Large, Building & General), 1420 Chestnut. (See adv. index, end of book)
Dougherty, Wm. R., 1604 Samson
DOYLE & CO. (Builders, etc.), 1519 Sansom. (See adv. index, end of book)
*Drake & Stratton Co., Penn bldg
Du Page Construction Co., Witherspoon bldg
Dutton, Wm. H., & Bro., 411 So. 5th
Eyre-Shoemaker (Inc.), Arcade bldg
Finlay & Belfield, 130 N 12th
Foley & Co., 2528 Washington av
Fonder, Edw. F. Co., Land Title bldg
Fretz, A. I. & Son, 1222 Chancellor
Gilbert, Edwin & Co. (Builders, etc.), Weightman bldg
Glenn, Geo. A. & Co., 930 N 8th
Goll, Jno. & Co. (Railroad, Bridge, etc.),
Greiner, J. H., Heed bldg 1539 Filbert
Guenthoer, Otto A., 2102 Sedgley
Hanlon, John F., Co., Witherspoon bldg
Harris, Franklin M. &Co., 1820 Wylie
Havens, Herbert E., Girard Trust bldg
Hedden, E. J., 14 S. Broad
Heinicke, H. E. (Inc.), Drexel bldg
Henderson & Bro., S 25th, below Spruce
Hennebique Construction Co., Witherspoon bldg
Hill, Malcolm W., Co., 1503 Sansom
Hoffman Engineering & Contracting Co. (Bridge & Public), Penna. bldg
Holt, Henry, 30th & Race
Keenan, D. Frank, Arcade bldg
*Keenan, D. F. (Railroad, etc.), Arcade bldg
*Kerbaugh, Henry S. (Inc.) (Heavy Grading, Track Laying & Bridge Masonry, etc.), Arcade bldg

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Kessler, Geo., 931 Drexel bldg
Lathbury, Benj. B., 1531 Land Title bldg
Latta & Terry Construction Co., Penn. Bldg
Lynch Bros., Lippincott bldg
McCaul, Charles, Co., 10th, cor Sansom
McCleman, H. A. & Bro. (Excavating, Grading, etc.), 13th, cor Shunk
McCormick & Co., Rothschild bldg
McDermott Contracting Co., Penna bldg
*McGaw & Gray (Masonry, Grading, Bridges, R. R., etc.), Penn. bldg
McGlathery, Joseph, 430 Walnut
McGraw, James Co., Arcade bldg
McHugh, M. & J. B. (Sewer, Paving & Municipal Work), Witherspoon bldg
McLean, Wm. & Co., Harrison bldg
McMahon, David (Street), 7 E Chelton av
McManus, M. Contracting Co., 414 Wood
*McManus, Patricius, 3201 Winter
McMenamin & Sims, Arcade bldg
McNenamy, John, Harrison bldg
McNichol, Jas. P. & Bro. (Public Work), Betz bldg
*McNichol, Patrick & Sons (Public Work), 1316 Race
Magee's, William Sons, 7121 Gray's av
Mark, Frank, 2300 N 21st
*Millard Construction Co., Penn. bldg
Mondsy, Chas. E. & Co., 1318 Olive
Monks, John & Sons (Inc.), Stephen Girard bldg
Moore, Samuel E. (Builder, etc.), 1221 Arch
Mullen, Jas. A. (Masonry & Grading), 6012 Vine
Myers, Jacob & Son, Witherspoon bldg
†Nusbaum, Klias & Bro., 1519 Moravian
Parker, Thos., 530 Heed bldg
Penna. Engineering Co., 312 Cherry
Peoples Bros. (Heavy Masonry, Sewer, etc.), Callowhill & 35th
Pepper, David, Jr. (Engineer & Contractor, Water Power Plants, Electric Roads, etc.), Land Title bldg
Peterson, R. Morris, 5250 Wakefield, Gtn.
Peterson, R. W. Co. (Street & Public) Land Title bldg
*Pinkerton Construction Co. (R. R. Masonry, etc.), Land Title bldg
Porter, Chas. A., 804 Girard bldg
Quigg, Wm. H., 112 N Broad
*Railroad Construction Co., Land Title bldg
†Register, A. L. & Co. (Contractors & Engineers), Fidelity Mutual Life bldg
Reilly, Thos., 1016 Thompson
Reilly & Webber, Harrison bldg
*Relter, Curtis & Hill (Sewer, Paving, R. R. & Public), Arcade bldg
Roydhouse, Arey & Co. (Building & Heavy Masonry), Fidelity Mutual Life bldg
Ruch, Geo. W. & Co. (Paving & Excavating), 2851 N Hutchinson
Ryan & Kelley (Public & Municipal), Penna. bldg
Sax & Abbott Cons. Co., 1326 Chestnut
Scofield Co. (Engineers & Contractors), Penna bldg
*Shanley, J. F., Co. (R. R. & Public), Arcade bldg
*†Sims, Chas. A. & Co. (Railroad, Water Work, etc., & Public Work), Harrison bldg
†Smethurst & Allen, North American bldg
*Smith, E. E. Contracting Co. (R. R. & Public), Arcade bldg
Snyder & Co., Harrison bldg
*Sparks & Evans (Bridge, R. R. & Public), Rothschild bldg
Steele, Wm. & Sons, 1600 Arch
Still, Wm. H., 8503 Gtn. av, C. Hill
Stitzer, Jas. Herbert, Jr. (Buildings, Foundations, Reinforced Concrete, Municipal Work, etc.), Commonwealth Trust bldg
Sutch, Daniel K., 1515 No. 12th
Thompson-Starrett Co. (Building Construction), North American bldg
Turnbull Construction Bldg., Penn. bldg
Union Electric Construction Co. (Underground System), Bourse bldg
Vare Bros. (Sewers, Conduits, etc.), Betz
Vogt & Golden, 2900 N 22nd bldg
Warner, George C. (Excavating, etc.), 364 E Wiggins, John R., 1215 Filbert Penn
PITTSBURG—Abel, A. F. (Pile Driving, Trestles, etc.), 321 Water
Alberts, W. E. Co., 6019 Kirkwood
Anderson Bros., 2519 Hallet
Ansell, Horace, 1 Ansell av
Barr, J. T., 309 4th av
Bartley, A. C. (Excavating, etc.), 4801 Penn av
Bartley, J. C. & Son, 7339 Denniston av
Bennett, Wm. B., 742 N Negley av
Bollinger-Andrews Construction Co., Empire bldg
Bollinger Bros. (General), Fulton bldg
†Booth & Flinn (Paving), 1942 Forbes
Booth & Reichard (General), 6427 Frankstown av
Buhner, Herman & Co., Second National Bank bldg
Charlem, Theodore, 1304 Locust
Chisholm, W. M., 331 4th av
City Contracting Co., 341 6th av
Clifford, John R., 741 Bryn Mawr rd
Collins-Gordon Contracting Co. (Masonry, etc.), 407 4th av
Corcoran, Jas. G. Co. (General), House
Cranford Paving Co., House bldg bldg
Cronin, Thos. & Co. (Paving & Sewer), 227
Cummings, Robt. A., 316 4th av S 17th
Cuthbert Bros. Co. (Furnace Builders), Bessemer bldg
Dravo Contracting Co. (Heavy Masonry, **Shaft Sinking & Government Work, etc.)**, Lewis blk
Driver, Chas. M. (Sewer & Masonry), McCance blk
Duquesne Construction Co. (General), Bessemer bldg
Eder Construction Co., Ferguson bldg
Egan, Chas. (Excavating, etc.), 1126 Vickroy
Egan, Thomas J. (Grading), 1721 Bluff
Enterprise Contracting Co. (Masonry, Trestles, etc.), Fulton bldg
Fair, D. M. & Son (General), 6101 Penn av
Feikel, F., & Son Const. Co., 1234 Greenfield av
*Ferguson Contracting Co., Keystone bldg
Fishburn, Wm. C., 323 Mathilda
*Foley Contracting Co. (General), 12 Wa-
Francies, H. H., 906 Adelaide bash
Friday Contracting Co., 331 4th av
Grist, Stephen F., Bissell blk
Hagy, Elwood K., 5518 Claybourne
Henderson, John T., 139 Beltzhoover
Heyl & Patterson (Inc.), 53 Water
*Howley Construction Co. (R. R., etc.), 237 4th av
Howley, Wm. E. (General), Frick bldg Annex
Ingersoll Construction Co., Keystone bldg
Iron City Construction Co., 108 Whitfield
Jenkins Bros. (Excavating & Grading), 3512 Keeling, Jos., 5845 Centre Penn av
Kerr's, Wm. Sons (Large Builders), Lewis
Krall, John H., 7016 Hermitage blk
Krantz & McCoy (General), 365 Soho
Lambie, C. S. & Co., 331 4th av
Lawton, Alfred, 929 Adelaide
Lougeay, Robert P., Douglas & Shady avs
Lucius Co. (Sewer, etc.), Hartje bldg
McClellan, J. E., 355 N. Craig
McKnight, Alex. (General), 4591 Forbes
McLaughlin Contracting Co., 223 4th av
*McNally, Thos. Co. (R. R., Masonry, Paving, Sewer, etc.), Bates & 2d av
McQuade, Jas. H. Co., 7 Wood
McSpadden, J. C. (Public Work), 326 4th av
Miller, Wm. & Sons Co. (Builders & General), 530 Federal
*Moran, P., & Co., 5846 Bartlett
Moran-Phelan Contracting Co. (General), Keystone Bank bldg
Mullen, John L. (General Rigger), Union
Murdoch, Wm. H., Lewis blk Nat'l B'k
Murphy & Hamilton, Heeren bldg
O'Herron, M. & Co. (General), 1st & McKean
Ott Bros. (Sewer, Paving, Macadam, etc.), 414 Wash'n av
*Patterson & Co., Keystone bldg
Payne, Wm. J. & Sons Co., Beltzhoover & Washington avs
Pennsylvania Contracting Co., 209 9th
Pershing, D. W., 935 N. Negley av
Pihl & Miller, Wabash bldg
Pitt Construction Co., Fulton bldg
*Pittsburg Construction Co. (Round Houses, Mill Building, Grading, Masonry, etc.), Diamond National Bank bldg
Rahe, Joseph, Co., 416 Bingham
Richmond, Andrew & Son, 541 Wood
Ridge Bros. Co., 407 4th av
Riffle, David T., Keenan bldg
Robinson, Wm., 310 Meyran av
Sawders Paving & Construction Co. (Sewer, etc.), Frick bldg
Scanlon, Eugene (Excavating, etc.), 6233 Station
Scanlon, John T. (Excavating, etc.), Cable pl & Melba
Schmunck, G. Henry, 519 Lewis bldg
Scott, John F. & Co., 219 6th
Sharp, J. P., N Euclid & Broad
Sheets, J. B. & Co. (General), Kelly & Murtland
Shenk, Henry Co. (Builders, etc.), Lewis blk
*Sims, Chas. A. & Co. (Railroad & Public), 1230 Fulton
Smythe, S. R., Co., 213 House bldg
STEWART, JAS. & CO., (Harbor, Marine & Heavy Buildings), Westinghouse bldg
*Stratton, Lewis & Co. (Public Work), 327 1st av
Stuart, James L., 341 6th av
Sweeney, Thos. Co. (Sewer), 4906 Cypress
†Tennis Co. (R. R. & Public Work), Magee bldg
Thompson-Starrett Co.
Umstead, J. C., Bakewell bldg
Volkommer & Co., Empire bldg
Waite, Wm. & Sons, 2500 June
†WESTINGHOUSE ELECTRIC & Mfg. Co. (Electric Power Installation), Union Bank blg. (See adv. index & branch offices, end of book)
Wilcox, E. C., 205 Mathilda
Wilson, A. & S. Co. (Large Builders, etc.), 541 3d av
Wineland, J. F., & Co., 339 5th av
Wyman, J. G. & Co. (Excavating & Grading), 434 4th av
Wymard, John K. (Paving & General), 915 Gerritt
Zahniser, W. J., & Bro., 4326 Butler
Zehnder, Wm., 1341 Point View
PITTSTON—Brenton, William C.
O'Boyle & Foy
POTTSTOWN—Missimer, Horace H.
*†Willauer & Co. (Railroad & Public Work)
POTTSVILLE—Kerns, Thomas F. & Son
King, Charles F.
Portland Contracting Co.
PUNXSUTAWNEY—Harl, D. McKean & Son
Reese, Hiram
READING—*Ahrens, Howard E., Co. (Stone, etc.), 622 Court
Dechant, Wm. H., 536 Penn
Faust, John K.
Fisher, Charles H., 2d c Chestnut
Focht, L. H. & Son (Builders, etc.), Baer bldg
*Hawman Bros. (Public Work), 13 S 10th
*Hawman Construction Co. (R. R. & Public), 231 S 4th
Huyett, Garson M., Centre av ab limits
Kretz, Francis C., 120 N 10th
Krick, P. Monroe
Mayer, Jacob (Masonry & Excavating), 182
*Nolan Bros. (Railroad, etc.) Penn
O'Reilly, Joseph, 411 Chestnut
Rehr & Fricker (Large Builders, etc), 124
ROCHESTER—McDonald & Hartman Cedar
SCRANTON—*Burke Bros., Connell bldg
Burke, Timothy
Deubler, M. L. Co.
Fitzpatrick & McConville
Flanagan, John (Sewers), 100 Hampton
Hower & Stender, Jefferson av & Ash
Kingsley & Westcott (Masonry, etc.), 119 Wyoming av
Lathrope, Shea & Henwood Co., Board of Trade bldg
SEWICKLEY—Dickson, Wm., & Son
Ruddy, Michael J., 421 Lackawanna av
Sprague & Henwood (Prospecting), Board of
Stipp, M. Construction Co. Trade
Woelkers, Bellman & Zitzelman, Nears bldg
SHARON—Baker & Taylor Co.
McIntyre, Wm. & Sons (Sewer, Macadam,
SHENANDOAH—Britt, Wm. (Paving) etc.)
SOUTH BETHLEHEM—*General Crushed Stone Co. (Ballasting, etc.)
SUNBURY—Malick, Simon P.
TITUSVILLE—Allen & Meals Co.
UNIONTOWN—Burchinal & Frankberry (General)
Carr, Jno. D.
Conn, J. P.
Eggers, Charles F.
Humbert & Co.
Reagan, Lynch & Co.
South Penn. Bldg. Co.
Uniontown Construction Co.
WASHINGTON—Hallam Construction Co.
Pickett, Wm. & Co.
Shay & Murphy
WEST CHESTER—Corcoran Construction Co.
WILKES-BARRE—Carle & Reilly (Excavating, etc.), Simon Long bldg
Curtis, John, & Co.
Dickover, George T., & Son (Heavy Masonry, etc.), Simon Long bldg
Isaacs, R. D., & Son
Long, E. T., & Co.
Shiber, Charles C.
Standard Construction Co., Laning bldg
Wilkes-Barre Construction Co. (Sewer, Paving, etc.)
WILKINSBURG—Lindsay, W. A.
Peffer, E. Z.
WILLIAMSPORT—Bennett & Woodnut
Busch & Stewart
Coryell Construction Co. (General)
Stuempfle's, David Sons
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Chapman, W. A. & Co. (Mills & Public), Industrial Trust bldg
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Maguire, Chas. B. Co.
Mainey, Lot.
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Watson, E. K. Co., 75 Westminster

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Leonard, Robert L. (Levee, etc.), 1678 Monroe av
Miller, Charles R. Paving Co. (Sewer & Paving), 8 N Front
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Outven, Andrew (Levee & General), 518
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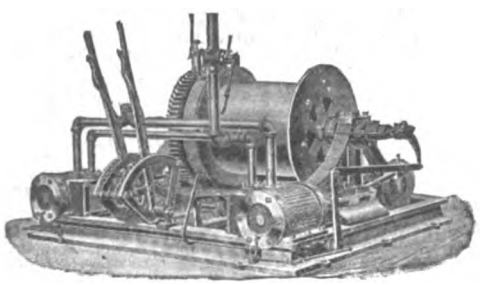
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(See Regulators, Heat)

*Controllers (Drum, Electric)
(See Controllers, Electric Hoist)

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Keystone Elevator Inspection & Repair Co. ("Sundth"), 1001 Chestnut, Phila., Pa.
MARINE ENGINE & MACHINE CO. ("Jones"), Main Office: 230 W 13th, New York; Works: Harrison, N. J. (See adv. index & branch offices, end of book)
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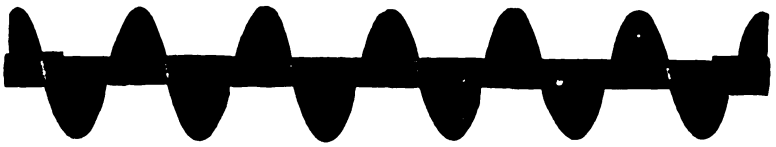
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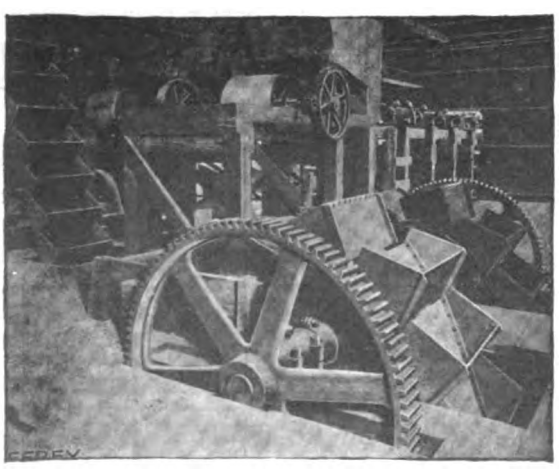
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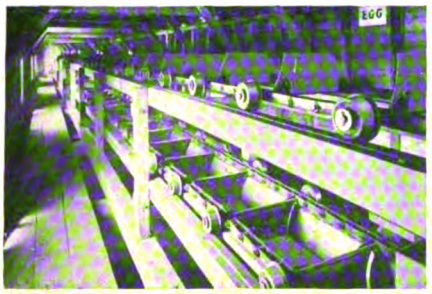
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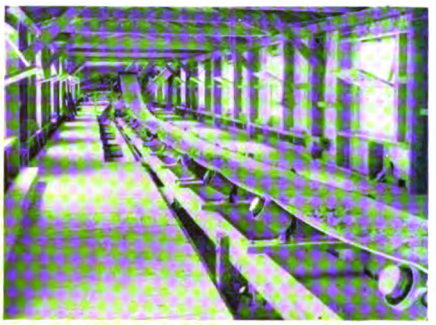
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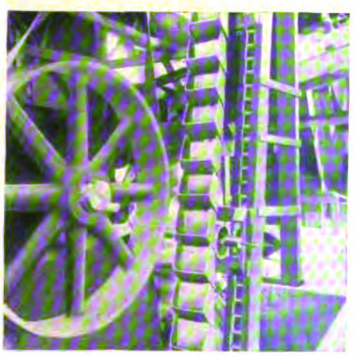
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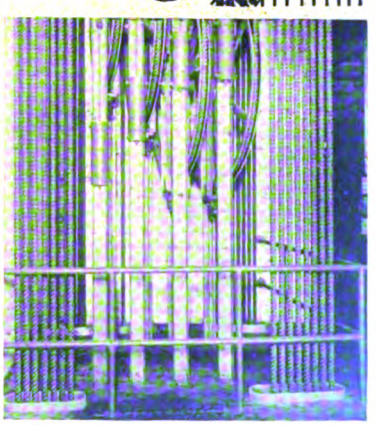
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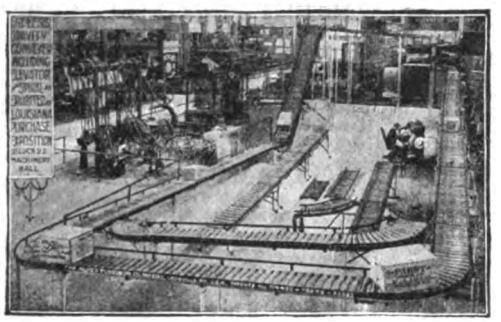
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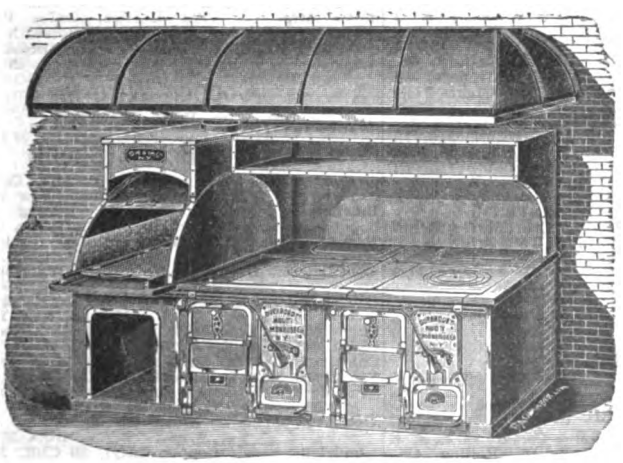
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HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Kendrick Promotion Co., Denver, Colo.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Orford Copper Co., 43 Exchange pl, New York
Tacoma Smelting Co., Tacoma, Wash.
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.
United Metals Selling Co., 42 B'way, New York
United States Reduction & Refining Co., Colorado Springs, Colo.

Copper Bolts
(See Bolts, Brass & Copper)

Copper Bottoms
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Chicago Brass Co., Kenosha, Wis.
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills, Detroit Mich.
HUNGERFORD, U. T. BRASS & COPper Co. (Pits & Flats), 497 Pearl, New York
Hussey, C. G. & Co., 2850 2nd ave., Pittsburg, Pa.
MERCHANT & EVANS CO. (Inc.) (Pits. & Flats), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
New Haven Copper Co., Seymour, Conn.
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.

Copper (Braziers')
(See Copper Bottoms)

Copper Coils
(See Pipe Bends & Coils)

*Copper Dealers
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Copper Dealers (Sheet)
(See Tin Plate, Metals, Etc.)

Copper (Dynamo Brush)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Benedict & Burnham Mfg. Co., Waterbury, Coe Brass Mfg. Co., Torrington, Conn. Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
Eureka Tempered Copper Wks., North East, Pa.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.

Copper Fire Box Sheets
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Crucible Steel Co. of America, Frick bldg, Pittsburg, Pa.
Detroit Copper & Brass Rolling Mills, Detroit, Hendricks Bros., 49 Cliff, New York Mich.
Hussey, C. G. & Co., 2850 2d av, Pittsburg, Pa.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.

Copper for Commutator Bars
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Benedict & Burnham Mfg. Co., Waterbury, Coe Brass Mfg. Co., Torrington, Conn. Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
Eureka Tempered Copper Works, North East, Pa.
Hendricks Bros., 49 Cliff, New York
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.

Copper Frogs (Solid Steel)
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.

Copper Nails
(See Nails, Brass & Copper)

Copper, Ores, Mattes & Bullion
(See Ores, Copper)

*Copper Plating of Iron
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Copper (Polished)
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Hussey, C. G. & Co., Pittsburg, Pa.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Taunton-New Bedford Copper Co., Taunton, & New Bedford, Mass.

Copper Refiners (Electrolytic)
American Metal Co., 52 B'way, New York
American Smelting & Refining Co., 71 B'way, New York; Works: Perth Amboy, N. J.
Balbach Smelting & Refining Co., Newark, N. J.
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Boston & Montana Copper Co., Great Falls, Mont.
Chicago Copper Refining Co., 138 Jackson boul. Chicago, Ill.
Great Western Smelting & Refining Co., Chi-
Mountain Copper Co., Oakland, Cal cago, Ill.
Nichols Copper Co., 25 Broad, New York
Raritan Copper Works, Perth Amboy, N. J.
Tacoma Smelting Co., Tacoma, Wash.
Tottenville Copper Co. (Pig, Ore, Mattes, Scrap, etc.), Tottenville, N. Y.
U. S. Metals Refining Co., 100 B'way, New York

Copper Rivets
(See Rivets, Brass & Copper)

Copper Rods
(See Rods, Brass & Copper)

Copper (Roll)
Balbach Smelting & Refining Co., Newark, N. J.
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Chicago Brass Co., Kenosha, Wis.
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Hussey, C. G. & Co., 2850 2d av, Pittsburg, Pa.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Nichols Copper Co., 25 Broad, New York
Waterbury Brass Co., Waterbury, Conn., & 99 John, New York

*Copper (Scrap).
LEAVITT, C. W. & CO., 222 B'way, New York. (See adv. index, end of book)

Copper Screws
(See Screws, Brass & Copper)

Copper (Sheet)
(See Copper & Brass Sheet)

Copper (Silicon)
Electric Smelting & Aluminium Co. ("Cowles"), Lockport, N. Y.
Western Foundry Supply Co., 30 Church, New York

Copper Smelting Equipments
Wellman-Seaver-Morgan Co., Cleveland, O.

Copper Sulphate
American Smelting & Refining Co., 71 B'way, New York
Baltimore Copper Smelting & Rolling Co., Keyser bldg, Baltimore, Md.
Mallinckrodt Chemical Works, St. Louis, Mo.
Nichols Copper Co., 25 Broad, New York

Copper (Tinned)
Hussey, C. G., & Co., 2850 2nd av, Pittsburg, Pa.

Copper Trolley Wire
(See Wire, Trolley)

Copper Tubes
(See Tubing, Brass & Copper)

Copper Ware (Stamped, Plated, Etc.)
(See also Enameled Hollow Ware)
Atlantic Stamping Co., Rochester, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff, New York
Manning, Bowman & Co., Meriden, Conn.
Rome Mfg. Co. (Tea Kettles, Coffee Pots, Boilers, etc.), Rome, N. Y.
Sweeney, W. H. Mfg. Co., 66 Water, Brooklyn, N. Y.

Copper Wire
(See Wire, Brass & Copper)

Copper & Brass (Sheet)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Baltimore Copper Smelting & Rolling Co. (Copper Only), Baltimore, Md.
Bassett-Presley Co., Western Reserve bldg, Cleveland, O.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Bristol Brass Co. (Brass Only), Bristol, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Chicago Brass Co., Kenosha, Wis.
Coe Brass Mfg. Co., Torrington, Conn.
Crucible Steel Co. of America (Copper Only), Frick bldg, Pittsburg, Pa.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
Hendricks Bros. (Copper Only), 59 Cliff, New York
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Hussey, C. G., & Co. (Copper Only), 2850 2d av, Pittsburg, Pa.
Manhattan Brass Co., 338 E 28th, New York
MERCHANT & EVANS CO. (Inc.) (Jobbers), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
New Haven Copper Co. (Copper Only), Seymour, Conn.

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COPPERSMITHS

STEAM JACKET KETTLES
BATH BOILERS
CANDY KETTLES
WASH BOILERS
BARBERS' BOILERS
LADLES

MIXING KETTLES
METAL SPINNING
FIRE EXTINGUISHERS
WATER STILLS
VACUUM PANS
STEAM COILS
DYERS' KETTLES

LIQUOR HEATERS
EXPANSION JOINTS
PIPING OF ALL DESCRIPTIONS
EXTRACTORS, TANKS
STEAMBOAT WORK
LEAD & COPPER-LINED TANKS

E. B. BADGER & SONS COMPANY

63-75 Pitts Street, Boston, Mass., U. S. A.

Plume & Atwood Mfg. Co. (Brass), Waterbury, Conn.
Randolph-Clowes Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Scovill Mfg. Co. (Brass Only), Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Taunton-New Bedford Copper Co. (Yellow Metal Only), New Bedford & Taunton, Mass.
Waterbury Brass Co., Waterbury, Conn.

Copperas

Butterworth-Judson Co., Newark, N. J.
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Penna. Salt Mfg. Co., 115 Chestnut, Phila., Pa.
Powers-Weightman-Rosengarten Co., 9th & Parrish, Phila., Pa
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wetherill, S. P. Co., 925 Chestnut, Phila., Pa.
Williams, C. K. & Co., Easton, Pa.

Coppers (Tillery Canning)

Hull, J. S. Mfg. Co. ("Hull"), Baltimore, Md.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

*Coppersmiths

(See also Boilers, Range, Copper)

BADGER, E. B. & SONS CO., 75 Pitts, Boston, Mass. (See adv. index, end of book)
GRISCOM-SPENCER CO. (All Kinds of Copper Work), 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Copying Apparatus

(See also Duplicators; also Presses, Copying)

American Multigraph Sales Co. ("The Gammeter Multigraph" for Printing Office Forms, Fac-Simile Letters, etc.), Case av & Kelly, Cleveland, O.

Copying Press Sheets (Rubber)

Goodrich, B. F. Co., Akron, O.

*Cord (Waterproof)

TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la., New York. (See adv. index, end of book)

*Cordage (Braided)

(See also Sash Cords)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
SAMSON CORDAGE WORKS (Sash, Trolley, Arc Lamp, Bell Cord, Clothes Lines, Masons', Curtain Cords, Tiller Rope, etc.), 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 78 Chauncy, Boston, Mass. (See adv. index, end of book)
TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la., New York. (See adv. index, end of book)

*Cordage (Tarred)

COLUMBIAN ROPE CO., Auburn, N. Y. (See adv. index, end of book)
TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la., New York. (See adv. index, end of book)

Cordage & Twine Mfrs.

(See also Twines, Binders; also Rope Manufacturers of Various Kinds)

Allen, J. & S. (Cotton, Twines & Lines), Walpole, Mass.
American Mfg. Co., 68 Wall, New York
Anniston Cordage Co., Anniston, Ala.
Ashaway Line & Twine Mfg. Co. (Fish Lines & Cotton Seine Twines, etc.), Ashaway, R. I.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Bailey, Christopher & Son (Bag Rope & Twine, also Jute Twine), 320 Market, Phila., Pa.
Bailey, Jno. T. & Co., S. Water & Morris, Phila. Pa.
Beaumont Mfg. Co., Spartanburg, S. C.
Boehme & Rauch Co. (Rope, Twine & Cordage), Monroe, Mich.
Boscanan Mills (Inc.) (Cotton, Cords & Twine), Penacook, N. H.
Boston Thread & Twine Co. (Twine), 178 Devonshire, Boston, Mass.
BRODERICK & BASCOM ROPE CO. (All Kinds), 809 N Main, St. Louis, Mo. (See adv. index, end of book)
California Cotton Mills Co. (Cotton Rope & Twine), Oakland, Cal.
California Jute Mill Co. (Jute Twine), 3 California, San Francisco, Cal.
Canonchet Line & Twine Co. (Twine), Canonchet, R. I.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Central Mills Co. (Cotton Twine), Southbridge.
Charlotte Cordage Co., Charlotte, N. C. Mass.
Chelsea Fibre Mills (Flax, Jute, etc.), 38 Union sq, New York. Factory: Brooklyn, N. Y.
Cleveland Mill & Power Co. (Cotton Twine), Lawndale, N. C.
COLUMBIAN ROPE CO. (Oil Well & Tarred Cordage & Jute & American Hemp, Twine, etc.), Auburn, N. Y. (See adv. index, end of book)
Consolidated Cotton Duck Co. (Cotton Twine), Baltimore, Conn.
Continental Cordage Co., 72 Wall, New York
Dolphin Jute Mills (Jute, etc.), Paterson, N. J.
Draper, W. H. & Son (Braided & Twisted Wire, Picture Cord & Cotton Twine, etc.), Troy, N. Y.
Easton Cordage Co. (Cordage), Easton, Pa.
Elder, Jas. (Cotton Cordage), 230 W. Coulter Gtn, Philadelphia, Pa.
Empire State Bag Co. (Flax & Jute), 742 Wythe av., Brooklyn, N. Y.
Estes Mills (Inc.) (Twine), Fall River, Mass.
Estes, Jno. H. & Son (Twine), Fall River, Mass.
Fitler, Edwin H. Co., 22 N. Delaware av., Philadelphia, Pa.
Flocker, Jno. & Co. (Ltd.), 935 Liberty, Pittsburg, Pa.
Fogg, Geo. R. (Cordage & Linen Harness Twine), 3480 Gtn. av, Philadelphia, Pa.
Gloucester Net & Twine Co. (Cotton Twine), Gloucester, Mass.
Groenake, J. C., Co., Chicago, Ill.
Hoffman-Corr Mfg. Co., 55 White, New York
Hooven & Allison Co. (Manilla, Sisal, Hemp & Jute, Baling, Wrapping, Sail, Commercial, etc.), Xenia, O.
Hoover & Gamble Co., Miamisburg, O.
Jackson, Thos. & Son (Manilla, Sisal & Jute Rope, Cordage & Twine), Reading, Pa.
Jacobs Cordage Co., Cincinnati, O.
Kelly, R. A. Co. (Sisal, Manilla & New Zealand), Xenia, O.
Kentucky River Mills (Hemp Binder & Commercial Twines), Frankfort, Ky.
Lambert Rope Corporation (Cotton), New Bedford, Mass.
Lawrence Duck Co. (Cotton Twine), Lawrence, Mass.

TUCKER & CARTER ROPE CO.

CORDAGE MANUFACTURERS

76 SOUTH STREET AND 167 MAIDEN LANE

NEW YORK CITY

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Little River Mfg. Co. (Cotton Twine), Willardville, N. C.
Meagher's, Jas. Sons (Jute or Flax Cordage), 327 28th, San Francisco, Cal.
New Bedford Cordage Co., New Bedford, Mass.
Niagara Cordage Co., Buffalo, N. Y.
Overman & Schraeder Cordage Co. (Jute, Hemp, Flax, Manilla & Sisal for All Purposes), Covington, Ky.
Planet Mills Mfg. Co. (Jute Twine, Rope, etc.), 335 Carroll, Brooklyn, N. Y.
Plymouth Cordage Co. (Cordage & Binder Twine), North Plymouth, Mass.
Portland Cordage Co. (Flax Cordage & Binder Twine), Portland, Oregon
Radcliffe & Shaw (Jute Twine & Rope), Glen Rock, Pa.
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
SILVER LAKE CO. (Braided, Cordage, etc.), 78 Chauncy, Boston, Mass. (See adv. index, end of book)
Smith & Dove Mfg. Co. (Flax Twine), Andover, Mass.
Standard Cordage Co. (Binder, Twine, etc.), 45 South, New York
Tragle Cordage Co. (Wholesale Dealers), Reading, Pa.
Travers Bros. Co. (Wholesale Dealers), 261 B'way, New York
TUCKER & CARTER ROPE CO. (Manilla, Sisal, Flax, Jute, Hemp & Cotton Ropes, Twines & Cordage), 76 South & 167 Maiden la., New York. (See adv. index, end of book)
Uhler & English, 106 N Delaware, Phila., Pa.
Wall Rope Works, 56 South, New York
Ware, Bruce R. & Co., 116 Bedford, Boston, Mass.
Whitlock Cordage Co., 46 South, New York
Yocona Cotton Mills (Inc.), Water Valley, Miss.

Cords (Arc Lamp)

(See Cords, Trolley, Arc Lamp & Bell)

Cords (Bell, Round Leather)

National Leather Mfg. Co. (Surface & Oak Tan, Flat & Round), Niles, Mich.

Cords (Flexible)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index, end of book)
Belden Mfg. Co. ("Belden"), 194 Michigan, Chicago, Ill.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bishop Gutta Percha Co., 422 E 25th, New York
Boston Insulated Wire & Cable Co., Boston, Mass.
Chicago Insulated Wire & Mfg. Co., 152 Lake Chicago, Ill.
Driver-Harris Wire Co., Harrison, N. J.
Ferrin, F. M. (Woven Covered), Boston, Mass.
Goodyear Rubber Insulating Co., 1955 Park av, New York
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
Lowell Insulated Wire Co., Lowell, Mass.
Marion Insulated Wire & Rubber Co., Marion, Moore, Alfred F., 202 N 3d, Phila., Pa. Ind.
National India Rubber Co., Bristol, R. I.
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)
Premier Electric Co., 58 W Van Buren, Chicago, Ill.
Roebling's John A. Sons Co., (of N. Y.), Trenton, N. J., & 117 Liberty, New York
Runzel-Lenz Electric Mfg. Co., 97 S Clinton, Chicago, Ill.
Safety Insulated Wire & Cable Co., Bayonne, N. J., & 114 Liberty, New York
Simplex Electrical Co., Boston, Mass.
Standard Underground Cable Co., Pittsburg, Pa.
Waterbury Co., 60 South New York
Western Electric Co. ("Victor"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wire & Telephone Co. of America, Rome, N. Y.

Cords (Incandescent Lamp)

(See Cords, Flexible)

Cords (Leather, Bell or Register)

Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.
Jewell Belting Co., Hartford, Conn.
Ladew, Edw. R. (Estate), 200 William, New York
National Rawhide & Belting Co., Niles, Mich.
New York Leather Belting Co., 51 Beekman, New York
Oberne, Geo. & Co., 202 Lake, Chicago, Ill.
Page Belting Co., Concord, N. H.
Raniville, F. Co., Grand Rapids, Mich.
Rhoads, J. E. & Sons, 12 N 3d, Phila., Pa.
Western Rawhide & Belting Co., Milwaukee, Wis.
Williams, I. B. & Sons, Dover, N. H.

Cords (Picture)

Draper, W. H. & Son, Troy, N. Y.
Wire Goods Co. (Braided Wire), Worcester, Mass.
WRIGHT WIRE CO. (Braided Wire), Worcester, Mass. (See adv. index & branch offices end of book)

Cords (Telephone & Switchboard)

American Electrical Works, Phillipsdale, R. I.
Belden Mfg. Co., 194 Michigan, Chicago, Ill.
Driver-Harris Wire Co., Harrison, N. J.
Kellogg Switchboard & Supply Co., W Congress & Greene, Chicago, Ill.
McEvoy, Chas. H. ("Duro"), Lowell, Mass.
Moore, Alfred F., 202 N 3d, Philadelphia, Pa.
Premier Electric Co., 58 W Van Buren, Chicago, Ill.
Runzel-Lenz Electric Mfg. Co., 97 S Clinton, Chicago, Ill
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Western Electric Co. ("Victor"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Cords (Tinsel & Copper)

Belden Mfg. Co., 194 Michigan, Chicago, Ill.
Bishop Gutta Percha Co., 422 E 25th, New York
Gregory, Wm., Paterson, N. J.
Moore, Alfred F., 202 N 3d, Philadelphia, Pa.
Premier Electric Co., 141 S Clinton, Chicago, Ill.
Western Electric Co., 259 S Clinton, Chicago Ill., & 57 Bethune, New York

Cords (Trolley, Arc Lamp & Bell)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Fricke, J. E. Co. ("Jefferson," Solid Braided), Phila, Pa.
Hoffman-Corr Mfg. Co., 55 White, New York
Jacobs Cordage Co., Harriet & Budd, Cincinnati, O.
Mallison Braided Cord Co., Athens, Ga.
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO. (Braided), 78 Chauncy, Boston, Mass. (See adv. index end of book)
TUCKER & CARTER ROPE CO. (Also Colored), 76 South & 167 Maiden la., New York. (See adv. index, end of book)

*Core Binders

HILL & GRIFFITH CO. ("Glutrin"), Cincinnati, O. (See adv. index, end of book)

*Core Coating (Star Steel)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Core Vents (Metal)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Core Wash

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Corers (Fruit & Vegetable)

Goodell Co. (Fruit Parers, Slicers, etc.), Antrim, N. H.
Hamblin & Russell Mfg. Co. (Fruit), Worcester, Mass.
Hudson Parer Co. (Fruit), Leominster, Mass.
Hunt Mfg. Co. (Apple), Greenfield, Mass.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Kilbourne Mfg. Co. (Apple), Troy, N. Y.
Landers, Frary & Clark ("Rapid"), New Britain, Conn.
Lewis, E. J. (Pineapple), Middleport, N. J.
Parker Wire Goods Co. (Apple), Worcester, Mass.
Rollman Mfg. Co. (Apple), Mount Joy, Pa.
Sinclair-Scott Co. (Fruit Parers, Slicers, etc.), Baltimore, Md.
Stortz, John, & Son (Cabbage), 210 Vine, Phila., Pa.
Stoutenborough, X (Apple), 277 Pearl, New York

Cores (Armature & Magnet)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Chicago Screw Co., 2 N Canal, Chicago, Ill.
Cleveland Armature Works, Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Western Electric Co., Chicago, Ill.

Cork Carpets

American Linoleum Mfg. Co., 78 Worth, New York
Fan & Bailey Mfg. Co., Camden, N. J.
Nairn Linoleum Co., Kearny, N. J.
Potter, Thos., Sons & Co., 522 Arch, Phila., Pa.

Cork Chips

Armstrong Cork Co., Pittsburg, Pa.
Waever & Lea Co., 118 Hudson, New York

Cork Covering Mfrs.

(See Pipe & Boiler Coverings, Cork)

Cork (Granulated, for Insulation)

(See Insulation, Cork)

Cork Mfrs.

Armstrong Cork Co., Pittsburg, Pa.
Butz, A. L. Cork Co., 837 Race, Phila., Pa.
Cahn, Hugo & Co., 97 Murray, New York
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Farrell, Wm. J., 115 Maiden la, New York
Goodwin Cork Corporation, Norwich, Conn.
Newark Cork Works, Newark, N. J.
Paddock Cork Co., 1200 De Kalb av, Brooklyn,
Redlich Mfg. Co., 2 Oak, Chicago, Ill. N. Y.
Williamsburg Cork Works, 57 Murray, New York

Cork Screws

Arcade Mfg. Co., Freeport, Ill.
Browne & Dodd Mfg. Co., Meriden, Conn.
Dame, Stoddard & Co., Boston, Mass.
Deuse, J. S., Chester, Conn.
Dodge, Jas. B. ("New Era" Cork Extractors), Jacksonville, Fla.
Erie Specialty Co. ("Walkers"), Erie, Pa.
Havell Mfg. Co., Newark, N. J.
Humason & Beckley Mfg. Co., New Britain, Conn.
Lee, F. E. Hardware Mfg. Co., Hartford, Conn.
Parker, Chas. Co., Meriden, Conn.
Rockwell-Clough Co. (Wire), Alton, N. H.
Ross, Jos., Jr., & Co., Newark, N. J.
Smith & Hemingway Co., 108 Duane, New York
Taylor Mfg. Co., Hartford, Conn.
Wallace Sons Mfg. Co. Wallingford, Conn.
Williamson, C. T. Wire Novelty Co. (Self-Acting Combination, also Small Wire Cork-Screws), Newark, N. J.

Cork Waste

(See Cork Chips)

Corn Binders & Harvesters

Adriance, Platt & Co. ("Adriance"), Poughkeepsie, N. Y.
International Harvester Co. of America ("Champion," "Deering," "McCormack," "Milwaukee," "Plano," "Osborne"), 7 Monroe, Chicago, Ill.; Osborne Plant, Auburn, N. Y.

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Johnson Harvester Co. ("Johnson"), Batavia N. Y
Wood, Walter A., Mowing & Reaping Machine Co. ("New Century"), Hoosick Falls, N. Y

Corn Cookers & Fillers

Ams, Max, Machine Co., Mount Vernon, N. Y.
Cottingham, Harrison, Baltimore, Md.
Morral Bros., Morral, O.
SPRAGUE CANNING MACHINERY CO., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Corn Husking Goods.

Blair Husking Glove Co., Bucyrus, O.
Boss Mfg. Co. (Gloves, Mittens, etc.), Kewanee, Ill.

Corn Planters

(See Planters, Corn)

Corn Shellers

(See Shellers, Corn)

Corner Bands for Cars

Davis Solid Truss Brake Beam Co. (Pressed Steel), Wilmington, Del.

Corner, Base & Head Block Mfrs.

American Carving & Mfg. Co., Grand Rapids Mich.
Crampton & Belden Mfg. Co. (Wholesale Mfrs.), Green Island, N. Y.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Iowa
Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Disbrow, M. A. & Co. (Wholesale Mfrs.), Lyons, Iowa
Foster-Munger Co. (For the Trade Only), W 20th & Sangamon, Chicago, Ill.
Fuller & Rice Lumber & Mfg. Co. (For the Trade Only), Grand Rapids, Mich.
Gauger, Jno. A. & Co. (For the Trade Only), W 22d & Laflin, Chicago, Ill.
Gebhardt, J. F., 235 Calyer, Brooklyn, N. Y.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Harris & Cole Bros. (For the Trade Only), Cedar Falls, Iowa, & Columbus, Tenn.
Lawrence, Newhall, Page & Co., Augusta, Me.
McMillen, R. Co. (For the Trade Only), Oshkosh, Wis.
Morgan Co. (For the Trade Only), Oshkosh, Wis., & W 22d & S Union, Chicago, Ill.
New York Carved Moulding Co., Rider av & 139th, New York
Paine Lumber Co. (For the Trade Only), Oshkosh, Wis., & 1 Madison av, New York
Pierce, W. E. & Co., Milford, N. H.
Radford Sash & Door Co. (For the Trade Only), 192 W 22d, Chicago, Ill.
Roberts, E. L. & Co. (For the Trade Only), W 22d & Union pl, Chicago, Ill.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Stearns, J. S., Bennett, Mich.
Waddell Mfg. Co., Grand Rapids, Mich.
Zimmerman, Chas. E., 204 Burnet av, Syracuse, N. Y.

Corner Beads (Plastering)

(See Plasterers' Steel Corner Beads)

Corners (Box)

(See also Box Straps)

Brainerd Mfg. Co. (Also Chest), Despatch, N. Y
Brass Goods Mfg. Co. (Also Chest), Nevin cor Union, Brooklyn, N. Y
CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)
De Haven Mfg. Co., 153 Furman, Brooklyn, N. Y.
Jenkinson, R. C. & Co., Newark, N. J.

Corners (Casket)

Waddell Mfg. Co., Grand Rapids, Mich.

Corners (Partition)

Western Brass Mfg. Works (Iron or Brass) 21st & Rockwell, Chicago, Ill

Corners (Screen Frame)

Stearns, E. C. & Co., Syracuse, N. Y.

Cornice Brakes

Double Truss Cornice Brake Co., Buffalo, N. Y
Dreis & Krump Mfg. Co. ("O. K."), 3216 S Halstead, Chicago, Ill
Falstrom & Tornquist Co., Passaic, N. J.
Ohl, Geo. A. & Co. (Automatic Power, etc.), 157 Oraton, Newark, N. J
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson, J. M. Mfg. Co. (Improved Double Eccentric), Cincinnati, O.

Cornice Copper Mfrs.

(See Copper & Brass Sheet)

Cornice Makers' Machinery

(See Machinery, Cornice Makers')

Cornices (Galvanized Iron, Etc.)

ALABAMA.

ANNISTON—Interstate Roofing Co.
BIRMINGHAM—East Birmingham Iron Roofing & Corrugating Co.
Wheelock, George F. Co., 107 S 21st
DECATUR—Brown, W. A. & Co.
MOBILE—Partridge, C. S., Hardware Co.
NEW DECATUR—Decatur Cornice & Roofing
OPELIKA—Galbraith, W. A. Co.
TALLADEGA—Michael, J. E. Supply Co.

ARIZONA TERRITORY.

PHOENIX—Burtis, D. H.
TUCSON—Gardiner, Worthen & Goss Co.
Julian, W. A. Co.

ARKANSAS.

FORT SMITH—Bruce Bros.
HELENA—Helena Job Works
Helena Tin & Plumbing Co.
HOT SPRINGS—Hot Springs Plumbing & Ma
William Schweder Co. chine Co
LITTLE ROCK—Fones Bros. Hardware Co.
Foster Hardware Co., 301 Main 200 Main
McCardell Bros., 522 Center
Robinson, J. K. & Co., 108 E 4th
MARIANNA—Plummer & Davis
PINE BLUFF—Dellmon, Jno. H., Jr.
Fox Bros. Hardware Co., 202 Main

CALIFORNIA.

FRESNO—Barrett-Hicks Co.
Kutner-Goldstein Co.
LOS ANGELES—American Cornice W'ks, 1710 S Main
California Cornice Works, 723 N Main
Collins & Elliott, 803 E 2d
Erhardt, C. A., 230 E 4th
Gibbs, Wm. H., 2048 W Pico
Keays, A. A., 237 E 4th
Lederle, E. F., 1835 S Main
Metzger, Theo., 1044 Byram
Panzer-Hamilton Co., 131-139 Bose
Schaefer, Wm., 716 San Pedro
Zinn, E. L.
OAKLAND—Heidt, W. Cornice Works, 916 Webster
PASADENA—Dunn, W. H., 26 W Union
POMONA—Caldwell, B. F.
POPLAR—Howell, J. L.
RIVERSIDE—Copley Bros.
Shiels, John, & Sons
SACRAMENTO—Earle, Edw. E.
Scott, Lyman & Stack Co. (Inc.)
Sinclair & Bussey
SALINAS—Anderson & Dougherty
SAN DIEGO—Johnstone, J. S., & Son
Heilbron, Fred A.
San Diego Sheet Metal Works
Toms & Blair Sheet Metal Co.
SAN FRANCISCO—Comyns & Nygren, 1731
Conlin & Roberts, 414 Natoma 15th
Cronan, Wm., 19 City Hall av
Cronan's Eagle Cornice Works, 30 8th
Feldman & Sommer
Forderer Cornice Works, 269 Potrero av
Guilfoy Cornice Works, 209 8th
Olmo, Frank, 3464 Mission
San Francisco Cornice Co., Bryant & Dore
SAN JOSE—Mangrum & Otter Co.
SANTA ANA—Hills, S. & Son
McFadden, John E.
Nickey, F. P. Hardware Co.
SANTA BARBARA—Boeseke-Dawe Co.
Booth, R. L.
Ott Hardware Co.
SANTA CRUZ—Byrne Bros.
SANTA MARIA—Bryant & Trott Co.
SANTA ROSA—Demmer Chas.
Potter, J. H., & Son
STOCKTON—Jackson & Earle

COLORADO.

ALAMOSA—Spriesterbach Hardware Co.
COLORADO SPRINGS—Bumstead, F. E.
Lowell-Meservey Co., 100 S Tejon
DENVER—Blustin & Creamer, 1431 Lawrence
Crosta, C. A. Bros., 1880 Market
Denver Cornice Co., 1850 Lawrence
Denver Sheet Metal Works, 1242 11th
Fair, Chas. W. Cornice Work Co., 1809 Blake
Globe Cornice & Heating Co., 756 B'way
Kessler, Fred, 2708 Larimer
O'Brien, D. L., 3827 Downing av
Stephenson, W. E., 2807 Welton
Wahlgren Sheet Metal & Heating Co.
Walter, Louis H., 1426 Blake
DURANGO—Chapman, W. C.
Naigelin, Charles
FLORENCE—Spencer, T. E.
Wilson, George Hardware & Supply Co.
GLENWOOD SPRINGS—Metelman, H. C.
OURAY—Arps Bros. Hardware Co.
PUEBLO—Klein, Henry
TRINIDAD—Branson & Griswold Hardware Co.
Brown, H. B. Hardware Co.

CONNECTICUT.

BRIDGEPORT—Bridgeport Cornice Works, 227 John
DROUVE, G., CO. (Sheet Metal, Copper, Galv. Iron, etc.) 40 Tulip. (See adv. index, end of book)
Hurley, Jas. J., 606 E Main
Kirk, W. P. Co., 300 Fairfield av
Mills, L. H., 32 Middle
Reilly, J., Jr., 283 State
Schwing, Jno. Corporation, 863 Wood av
HARTFORD—Beseman & Bostwick, 44 Ann
Cullen & Atkinson Co., 120 Allyn
Lurie, Aaron, 172 Allyn
Stelling, Fred., 9 Pawtucket
MERIDEN—Griswold, Richmond & Glock Co., 2 W Main
MIDDLETOWN—Bacon Bros., 287 Main
Flynn, J. Taylor, 100 Court
NEW HAVEN—Bradley Co., 158 Orange
Buckingham, Routh Co., 151 Court
Clerkin & Co., 781 Grand av
Corbett, T. W., 29 B'way
Curtiss & Pierpont Co., 272 Elm
Day & Co., 103 Dwight
Dorman & Cugell, 243 Congress av
Perry, Harry M., 218 George
Rourke Bros. Co., 834 Grand av
Sheahan & Groark, 285 State
Sheehan, Dan. M. 108 Court
NORWICH—Gibson, S. F., 55 W. Main
PUTNAM—Chandler & Morse
Field, N. W. & Co.
Kenyon, R. L.
Perry & Brown
SOUTH MANCHESTER—Carrier, E. T.
Ferris Bros.
STAMFORD—Brown, J. M., 50 Bedford
WATERBURY—Barlow Bros. Co., 65 Grand
Disley, Wm. T. Co., 270 Bank
Gill, John M., 256 N Main
Weyand, Henry Co. (Inc.), 22 Jefferson
WATERTOWN—Saffa, Jos.
WOODBURY—Hitchcock, F. F.

DELAWARE.

NEW CASTLE—Kegan & Hufnal
WILMINGTON—Biddle, Sam., 102 W 8th
Cooke, H. R., 715 Shipley
Johnson, W. J., 903 Walnut
Wilmington Cornice Works, 501 E 11th

DISTRICT OF COLUMBIA.

WASHINGTON—Beck, J. F., 423 K, N W
Branzell, Wm. H., 1905 14th, N W
Daly & Hopper, 916 27th, N W
Giclas, H. J., 113 4½, S W
Giclas, Louis, 1026 6th, N W

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Hulse, Edgar J., 321 13th, N W
Mathy Co., 1918 Pa. av, N W
Reavis, Albert S., 719 2d, N E
Whyte, W. M., 304 13th, N W
Wolfsteiner, O. L. Co., 1315 W, N W

FLORIDA.

JACKSONVILLE—Macy & Johnson
Macy & Johnson
KEY WEST—Johnson, W. A., & Bros.
Page, A. J.
PENSACOLA—Avery Hardware & Supply Co.
Vetter, C. B.
SANFORD—Fernald, Geo. H. Hardware Co.
Hill, A. E.
TAMPA—Berry, W. J. & Co.

GEORGIA.

ABBEVILLE—Moody, E. A.
AMERICUS—Schroeder, W. H. R.
ATLANTA—Dowman-Dozier Mfg. Co., 22 Trinity av
Franklin Plbg & Tinning Co., 121 Whitehall
Hunnicutt, J. E. & Co., 56 Peachtree
AUGUSTA—Jessup, E. S.
Slusky, David
BRUNSWICK—Baker, M. A.
Daniels, Moses
CARTERSVILLE—Lumpkin Hardware Co.
COLUMBUS—Gartman, W. D.
Russell, J. C. & Co.
Sheridan, Geo. W.
MACON—Ricks, L. C.
Suber Co.
ROME—Neal, James
SAVANNAH—Cox, C. A., 142 Barnard
Hahne, Frank, 212 Drayton
Hobbs Bros. & Co.
Karsmann, Frank
Pacetti's, E. C., Sons
Savannah Blow Pipe & Exhaust Co.

IDAHO.

BLACKFOOT—Curtis, H. W.
BOISE—Idaho Hardware & Plumbing Co. (Ltd.)

ILLINOIS.

ALTON—Degenhardt, A. J.
AURORA—Crampton, J. T.
Hart, Charles
Kendall, Jno. W. & Son
Messenger & Parks Co.
Plain & Grandquist
Welter, N. P.
BATAVIA—Barckley, John & Son
U. S. Wind Eng. & Pump Co.
BELLEVILLE—Geel, J. A.
Lebkencher, L.
BERWYN—Becker, Frank
BLOOMINGTON—Butler, Harry
Muhl, F. C.
Read, G. H. & Bro.
BLUE ISLAND—Clausen, Henry G.
Schreiber Bros.
BOWEN—Walty, Albert
CAIRO—Morris, J. W.
CHAMPAIGN—Mollett, Chas.
CHICAGO—Aarup, H. C., 7009 S Elizabeth
Abt, L., 374 W Taylor
Andersen, L., 465 Grand av
Armbruster, Louis, 767 Lincoln av
Atlas Cornice Works, 1034 W 22d
Block, Rudolph F., 774 Lincoln av
Bloomer, M. & Co., 3251 Cottage Grove av
Bohnett, W. R., 4406 Cottage Grove av
Bredfield, Chas. A., 575 Washburne av
Bremer, Henry F., 1136 W 18th
Burkhardt, G. Mfg. Co., 940 N Clark
Conen, Stephen, 1676 Lincoln av
Elke, Otto, 1150 W 63d
Erickson, Gus A., 1340 N Western av
Erickson, John T., 4430 La Salle
Evick, Henry, 3535 5th av
Farwell Cornice Co., 1304 Southport av
Fivek, Frank, 1274 S Trumbull av
Forsman, John A., 441 W 58th
FRIEDLEY-VOSHARDT CO., 194 Mather. (See adv. index, end of book)
Gelchsheimer, Fred., 1760 N Central Park
Glatt, Jacob, 517 Dickens av
Glowacki, Jno. B., 4528 S Ashland av
Graebke, Fred C., 673 Sheffield av
Griffith Cornice Works, 2441 Indiana av
Guenther, Richard, 264 Avondale av
Hamer, Fred, 75 North av
Heckler, Herman, 351 E 63d
Hempel, Max, 282 92d
Hendle, Nicholas, 450 Roscoe
Herr, Wm., 610 W 15th
Hirsch, K., 436 W Division
Holzwarth, A., 1339 Wellington
Illinois Roofing & Cornice Co., 329 W Kinzie
Jaeger, Fred'k J. C., 571 W 17th
Jennings, M. L. & Co., 57 W Jackson boul
Jensen, C. E., 1218 W North av
KNISELY, H. C. CO., 273 S. Canal. (See adv. index, end of book)
Knisley Bros., 28th pl & 5th av
Krautwurm, Wm., 200 Canalport av
Krefting, Edw., 119 W Van Buren
Kuder, Chas. V. Co., 5315 Wentworth av
Lang, Wm., 300 Warsaw av
Lavery, Jno. V., 4315 State
Lengacher, Wm., 256 Larrabee
Liddle, Robt., 2608 State
McFARLAND, J. C. & CO., 5th av & 27th. (See adv. index, end of book)
McIlroy Cornice Works, 1519 State
Maeder, Chas., 463 S 42d
Maehler, Paul C., 203 W Lake
Masterton, Albert E., 9140 Houston av
Meisel, Ferdinand, 589 N Halsted
Miller, Jas. A. & Bro., 120 S Clinton
Monroe, John F., 453 Humboldt av
Monroe, Wm. E., 2356 Eberly av
Moorhead, Thos. D., 6637 Vernon av
Noyes, E. A., 584 W Lake
Perkinson & Brown (Skylight), 113 N Lincoln
Peter, John, 632 N Wood
Petersen, Thos., 705 W Chicago av
Purdy & Cauble, 800 W 63d
Rehling, K. J., 4525 State
Reuter, Edw'd, 959 W 18th
Rickert, Harry J., 838 W 12th
Rosenberger, Edw'd, 935 Lemoyne
Rychtik, Frank, 673 W 21st
Rychtik, Joseph, 582 Throop
Rysdon, E. A., & Co., 629 W 41st
Schaeffer Co., 1020 S Central Park av
Schneider & Meng, 320 Clybourn av
Schwedland Cornice Co., 2803 S Halsted
Slavik, Frank, 1856 W Van Buren
Slavik & Co., 425 Blue Island av
Smrcka, W. J., 2911 Butler
Spaltenstein Bros., 120 Newberry av
Spiess, Edw., 954 N Clark
Staar, Frank, 218 Belmont
Trede, Edw. J., 1447 W Division
Universal Cornice & Roofing Co., 970 S Vallas, Wm. H., 1325 W Lake Troy
Voigtmann, Frank Cornice Co. (Skylights). 91 Indiana
Wagner Bros., 1350 Diversey boul
Wales, Joseph, 518 Blue Island av
Warner, Chas. W., 93 W Harrison
Watson, W. D., Co., 302 W. Van Buren
Williams, Owen R., 2441 Indiana av book)
Yeldham, Harmon J., 269 W Van Buren
Zakrzewsky, Herman, 378 W. Belmont av
DANVILLE—Balsley & Dettman
King Bros.
DAVIS—Caldwell, J. M.
DECATUR—Barringer, Wm. & Bro.
DE KALB—Sheets & Knodle Co.
Smith, C. F.
DIXON—Hoffman, John
EAST ST. LOUIS—East St. Louis Hardware Co.
Haines, O. J. & Son
Jordan, F. B.
EDINBURG—Ballet, Jacob
EDWARDSVILLE—Bernreuther, Fred
EFFINGHAM—Feldhake, J. J.
ELGIN—Hawkins Bros.
GALESBURG—Block & Hillman
Galesburg Cornice Works
Rearick, F. H. & Son
HIGHLAND PARK—Purdy, D. C. & Sons
HOOPESTON—Werner, E. B.
JACKSONVILLE—Brennan, J. F.
JOLIET—Bush & Handwerk
Meers, Robert
KANKAKEE—Reuter, Henry
LA GRANGE—Mattingly, J. G.
LA SALLE—Boyle, T. & Bro.
Camenisch, John
LEBANON—Sager, C. H. Hardware Co.
LINCOLN—Bouillon, W. E.
Dehner, J. P.
MATTOON—Berthold, Edward
Weber, O. B.
MENDOTA—Edwards Hdw. Co.
MOLINE—Reid Co., The
Sammel, Wm. B., 1322 4th av
Willis & Sons Co.
MONTICELLO—Harris, H. P.
MORRIS—Cronin, D. G.
MURPHYSBORO—Stoelzle, John & Bro.
OLNEY—Jolly, Wieland & Richardson
ONARGA—Amerman, M. T.
OTTAWA—Paisley, Wm. C.
Pearson's, Sam'l & Sons
Walter, Jno. (Slate & Metal)
PANA—Paul, G. A.
PEORIA—Aylward, R. C., 916 N Adams
Bushell, A. A. & Son, 1319 S Washington
Hierspiel Bros.
Hunter & Strehlow, 114 S Adams
Johnson, Chas. Hdw. Co., 2023 S Adams
Kavanaugh, Pat'k H., 227 S Madison av
Kellersstrass, Robt.
Meyer, F. & Bro. Co., 1313 S Adams
Peoria Roofing Co., 211 Maple
Tammen, Jno. S., 3105 N. Adams
Wilson, R. L. & Co., 3017 S. Adams
PLANO—Sears, A. H. & Co.
Stahle, Henry
QUINCY—Berghofer-Mitchell Co.
Comstock-Castle Stove Co.
Frederick, Edw.
Winking, Geo.
Wurst, C. H. Co.
Ziener Bros.
ROCKFORD—Drake-Tucker Hdw. Co.
Martin, A. & Co.
McGuire Bros.
ROCK ISLAND—Allen, Meyers & Co.
Bertelson, John, 523 22d
Rock Island Cornice Works
Siemon, H. T.
SPRINGFIELD—Armstrong Bros.
Atkinson, E.
Foster, Wm. & Sons Co.
Henson, Robinson Co.
Lauterbach, Peter
Neuman, J. C.
STERLING—Taylor, F. R. & Co.
Trager, F. A.
STREATOR—Alband, John.
Howe, L. D.
McCoy, Otis H.
Powers & Williams
SYCAMORE—Ohlmacher, C. J.
URBANA—Green, Jesse D.
WAUKEGAN—Melody, W. A.
Watrous, G. B. & Son

INDIANA.

COLUMBUS—Brooks Bros.
CONNERSVILLE—Cain, Hy.
ELKHART—Borneman & Sons
Garvin & Co.
ELWOOD—Elwood Iron Works
EVANSVILLE—Attinger, Wm. F.
Groeninger, J. J. & Co., 400 L. 2d
Lohse, H. Co., 7 2d av
Mesker, Geo. L. & Co., 100 L 1st
Schminke, H. & Co.
Wiechel, Louis & Co.
FORT WAYNE—Gerding & Aumann, 115 Wallace
Gunkel, Otto F., 38 Swinney av
Miller, U. U.
GREENFIELD—Banks, A. J. & Son
HUNTINGTON—Bridge, Lewis & Sons
Hewitt, E. G.
INDIANAPOLIS—Abel & Dovle, 229 Indiana
Ensey, Orvis B., 1308 N Senate av
Gardner, Joseph, 37 Kentucky av
Hornbrook-Price Co., 24 W Henry
Humphreys & Sargent, 124 E. Court
Indianapolis Corrugating Co.
Off, Christian & Co, 5 N New Jersey
LAFAYETTE—Co-Operative Tin Shop
Howe & Shipley
Schimelpfenig, C.
LAPORTE—Decker Bros.
LAWRENCEBURG—Stuber, F. & Son
LEBANON—Bratton, J. B.
LOGANSPORT—Cline Bros.
Eberlein, C. Augustus, 518 B'way
Flanegin Hardware Co.
Trah, H. J.
MADISON—Eckert, John, Sons
Hoffman, Peter
Quinn, Patrick J.
MARION—Beshore, Chas.
Hollinger, M. G. & Co.
Swanger & McClain
MICHIGAN CITY—Bartholomew & Co.
Staiger Hdw. Co.
MISHAWAKA—Distler, John C.
Lang, O. E. & Co.
Swanger, John, Jr.
MONROEVILLE—Nill & Jerome
MONTEZUMA—Sharp, I. A.
MOUNT VERNON—Schenck, E. B. Hdw. Co.
MUNCIE—Ballard, W. H.
Cook & Miller
Doyle, Thos. F.
Wells, A. T.
NEW CASTLE—Shriner, James C.
NORTH MANCHESTER—Lockwood, J. B.
PERU—Brennan, J. W.
RICHMOND—Johaning, C. H.
Ruch, John
Schultz & Laning
RUSHVILLE—Beale, John S.
SHELBYVILLE—Brown & Boehming
Howard, L.
Pearson, J. C. & S.

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SOUTH BEND—Duncker, Henry
Lauber, J. C. & Co.
Meyer, G. E. & Son
TERRE HAUTE—Freitag, Weinhardt & Co.
Moore, J. T., 725 Wabash av
Smith, O. C. Sons Co., 303 Wabash av
Terre Haute Furnace & Sheet Metal Co.
VALPARAISO—Findling, H. M.
Patrick, J. H. & Son
Wiley, W. H.
VINCENNES—Dubois Bros.
Lauby, C. W.
Vincennes Galvanized Works
WARSAW—Herrin, Jerry
WASHINGTON—Carnahan, M. J. Co.
Gross, Ferd H.

IOWA.

ALBIA—Barger, C. S.
ALGONA—Robinson, J. W.
AUDUBON—Hoover, G. W.
Reinemund, Jno., Jr.
BOONE—Noland, L. C.
BURLINGTON—Forney, J. H.
Haffner, Chas.
Hillen, C. F.
CEDAR RAPIDS—Cedar Rapids Cornice Works
Grissel, J. P.
Wagner, C. De Witt
CHARITON—Ensley, G. W.
CLINTON—Armstrong, C. E. & Co.
COUNCIL BLUFFS—Amy, W. S.
Spencer, F. A.
Swaine, Chas.
CRESTON—Creston Cornice Works
DAVENPORT—Reimers, Peter A.
DES MOINES—Backman, J. A., 524 E Grand av
Steel Roofing & Stamping Works, 506 Jefferson, S. D. M.
DUBUQUE—Geisler, Joseph
Klauer Mfg. Co.
Klauer & Kress
Lally, Jas.
ELDORA—Stauffer, Chas. F.
GRINNELL—Miles, G. L.
HARTLEY—Messer, E. B. & Son
HUMBOLDT—Ward, C. E.
INDEPENDENCE—Plane, I. C.
IOWA CITY—Maresh Bros.
KEOKUK—Geiger, Aug.
Seither & Cherry Co.
LYONS—Parker Bros.
MUSCATINE—McQuesten & Sawyer Co.
Thompson Bros. Co.
NEW HAMPTON—Garmen & Forkenbock
OSKALOOSA—Hamilton & Hamilton
Wells, Porter & Stump
OTTUMWA—Harper & McIntire Co.
Haw & Simmons Co.
McCarroll Bros.
McCarroll, Charles T.
SIOUX CITY—Eidt, Julius
Hamlett, Son & Co.
Larson, C. A.
STATE CENTER—Schilling Bros.
McMahon, J. L.
STORM LAKE—Peterson, N. H. & Son
VINTON—Vinton Plumbing Co.
WOODBINE—Western Steel & Iron Co.
Young & Sweet

KANSAS.

ATCHISON—Klostermeir Bros.
Walcott, H. C.
Weinmann, C. F.
CONCORDIA—Blair & Everly
EMPORIA—Knapp, O. H.
IOLA—Root, W. H.
JUNCTION CITY—Barker, E. E.
Mnenzenmayer, J. J. & W. F.
LEAVENWORTH—Endres, J. A. & Son
Hoffman, S. C.
Zeits, G. F.
NEWTON—Bachman, C. A.
Bersh, Wm.
OTTAWA—Elder Mercantile Co.
PARSONS—Fitzsimmons, J. A.
Steele Hardware Co.
PITTSBURG—Bagley, J. P.
Beasley & Miller
SALINA—Kastner, Chas. & Co.
Kastner, Geo.
TOPEKA—Baird, John M., 216 W 6th av
Forbes, D. H., 616 Kansas av
Nussbeck, John G., 308 Kansas av
Van Doorp, L., 828 Kansas av
Wolf Bros., 114 E. 6th av

KENTUCKY.

ASHLAND—Coburn, S.
Phelps, Frank K.
CARROLLTON—Salyers, C. D. & Son
CATLETTSBURG—Ely, Chas. W.
COVINGTON—Glaser, Wm. A., 1902 Madison
Gottschalk, F. S. Sons, 72 Pike av
Hesselman, Herman C.
Moeschl-Edwards Corrugating Co.
Rasch, C. F. Sons, 1113 Madison av
DAYTON—Poos, John
FRANKFORT—Miller, Geo. W.
LEXINGTON—Bitterman, E. & Son, 80 W Main
LOUISVILLE—Belknap Hardware & Mfg. Co.
Fink, Philip & Sons, 315 1st
Imperial Wire, Iron & Roofing Co., 221 W Market
Kentucky Sash & Door Co., 6th Hill & A 226
Louisville Cornice, Roofing & Heating Co.
Schreick, J. & Co., 1406 Preston
Shaber, W. F. Co., 741 E Jeff
Todd, Donigan Iron Co., 817 W Main
Wulff, W. C., & Co., 601 E. Jefferson
MAYSVILLE—Leonard & Lally
McClanahan & Shea
Rasp, R. & W.
NEWPORT—Rust, Lawrence & Son, 909 Monmouth
Wagenlauder, Fred & Co.
OWENSBORO—Guenther, W. A. & Sons
Southern Foundry Co.
PADUCAH—Davis, G. R. & Bro.
Maret, J. C.

LOUISIANA.

NEW IBERIA—Ribbeck Mfg. Co.
NEW ORLEANS—American Sheet Metal Works
Gulf Galvanizing & Metal Works, 1220 Carondelet
Nelson, A. J. Mfg. Co.
New Orleans Roofing & Metal Works (A. S. White), 926 Lafayette
Redmond, B. V., 340 Chartres
SHREVEPORT—Adams & Son
Bain, H. H.
Wortman, E.

MAINE.

AUGUSTA—Malcolm & Dyer, 159 Water
Taber & Reid, 269 Water
Ward, A. D., 195 Water
BANGOR—Clement Carter & Co.
Leighton Plumbing & Heating Co.
BATH—Barton, Geo. H., 211 Front
Rogers, C. W.
Watson, W. H.
Winslow, J. A. & Son
BELFAST—Stickney, John B.
Wright, C. L.
BIDDEFORD—Anthoine, Geo. A.
Lowell, John B.
BRUNSWICK—Ridley, Geo. B.
EASTPORT—Martin, E. S. & Sons
Spates, Wm. T.
ELLSWORTH—Aiken, F. R.
LEWISTON—Korneffel, F. & Son
Stetson, Jos. H. Co.
MACHIAS—Crane Bros.
MECHANIC FALLS—Hawkes & Whitney
NEWPORT—Deering, R. A. & Son
NORWAY—Crooker, J. O.
Leavitt, W. C. Co.
OLD ORCHARD—Robinson, Wm.
PORTLAND—Alexander, A. B., 22 Monument sq
Hollivan & Parker, 54 Cross
Hutchinson & Cain, 22 Commercial
McBrady, Jno. E. & Son, 229 Federal
Nash, F. & C. B. Co., 386 Fore
Nash, O. M. & D. W., 6 Exchange
Scott, Wm. H. Co., 33 Union
Wheeler, F. E., 645 Forest av.
ROCKLAND—Sleeper Bros.
SANFORD—Huff, Geo. W.
SKOWHEGAN—Steward Hardware & Plumbing Co.
Wood, F. A.
WALDSBORO—Curtis, C. H.
Richards Bros.

MARYLAND

BALTIMORE—Bartlett, Hayward & Co., Continental bldg
Betzel, Wm. F., 427 N High
Clifton Cornice & Skylight Works, 429 N High
Cotton, Wm. E., 1600 Harford av
Fingles, W. A., 1533 Maryland av
Hetzell, John G. & Son, 225 N Howard
Hicks, Chas. A., 911 3d av
Kohlhepp, Anthony, 404 N. Howard
Lenderking, P. H., Jr., 2519 Fairmount av
Northwestern Cornice Works, 1500 Pa. av
Parsons, N. E. & Son, 910 3rd ave
PRUDEN, C. D. CO., Warner, Bayard & Dock. (See adv. index, end of Dock
Valle & Young, 216 N Calvert
Vollenweider, J., 1506 Penna. av
Wells & Newton Co., 502 E. Fayette
Wilhelm, J. Frank, 748 Penna. av
Zimmers, A. M., 1808 Frederick av
EASTON—Hartnett, W. J.
Shannahan & Wrighton Hardware Co.
FREDERICK—Fox, L. M., 625 n Market
HAVRE DE GRACE—Murphy, J. T.
HAGERSTOWN—Danzer Metal Works
ROCKVILLE—Viett, Henry
REISTERSTOWN—Brown, J. V.
SALISBURY—Dorman & Smyth Hdw Co.
Gunby, L. W. Co.
Salisbury Hardware Co.

MASSACHUSETTS.

ASHLAND—Enslin, Franklin & Co.
ATTLEBORO—Flynn, Wm., 17 Bailey
BOSTON—Anderson, C. & Co., 41 Way
BADGER, E. B. & SONS CO. (also Copper), 75 Pitts. (See adv. index, end of book)
Boston Cornice & Skylight Co., 43 Bristol
Buchanan, Geo. J., 85 Commercial Wharf
Feeney, John, 15 N Grove
Finkelstein, M., 32 N Russell
Forrest Alfred W., 464 Harrison av
Harrigan, J. & Son, 111 Liverpool
Hicks, S. D. & Son, 17 Bowker
Jeffers, Wm., 77 Joy
Kalman, Joseph & Son, 152 Chelsea, E B
Maguire, W. J., 46 Cornhill
Marley Bros. Co., 131 State
Mayberger, Edw. F., 1 Willow Park
Pempel, Fr., 1462 Columbus av
Pempel, Geo. C., 27 Eustis
Raymond, J. B. Co., 48 India
Union Cornice Co., 7½ Appleton
Van Noorden E. Co., 944 Massachusetts av
Young, D. A. Co., 229 Milk
BROCKTON—Carr, J. E. & Sons
CAMBRIDGE—Brock Bros.
Douglass, Geo., 266 Prospect
Eagle Cornice & Skylight Works, Decatur c Brookline
CAMBRIDGEPORT—(See Cambridge)
CHICOPEE FALLS—Enright, P. J.
CLINTON—Maitland, Robert & Son
O'Toole Bros.
FAIRHAVEN—Delano, C. F.
Forrest, E. W.
FALL RIVER—Fall River Sheet Metal & Cornice Works
Hughes, James T., 140 3d.
FITCHBURG—Jennison Co.
GARDNER—Curtis, H. O.
HOLYOKE—Friedrich, E. H., 73 Sargeant
HUDSON—Glines, Mrs. G. Fred.
HYDE PARK—Johnson, A. J.
LAWRENCE—Forbes, Wm. & Sons, 450 Essex
LEOMINSTER—Burrage, H. E. Co.
LOWELL—Costello, Thomas & Co., 212 Central
Cushing, D. & Co., 396 Middlesex
Hanchett & Co., 320 Middlesex
Lowell Furnace Co.
Mack, W. A. & Co., 25 Shattuck
Stewart, J. W., 359 Bridge
Wilder, H. H. & Co., 29 Market
MALDEN—West, Alonso A.
MANCHESTER—Beaton, D. T.
Carter, J. W.
MARLBORO—Hall, G. R. & Co., 371 Lincoln
Hill, W. H., 114 Main
MELROSE—Brock Bros.
METHUEN—Sanborn Furnace Co.
NEW BEDFORD—Wood, Brightman & Co.
Wood, Brightman & Co.
ROCKPORT—Smith, L. E.
Thurston & Hale, Dock Sqe
SOUTHBRIDGE—Winter, G. C.
SOUTH HADLEY FALLS—Moriarty Bros.
SPRINGFIELD—Atwater, E. C. & Co., 21 Taylor
Beebe, N. S., 17 Florida
Brunton, M. J. & Son, 173 Liberty
Estabrook, Geo. B., 146 State
Hampden Cornice Works, 26 Taylor
Kirkham, J. Stuart, 71 Dwight
Pratt, H. J. & Co., 97 Dwight
Wilson, Robert, 341 Worthington
STOCKBRIDGE—Van Dusen, Mrs. Jno. O.
STOUGHTON—Burrell, H. G.
Deacon, D.
TAUNTON—Munroe Plumbing Co., Bay c Britannia
Newhall, G. S., 6 Main
Whitmarsh, I. F., 64 Weir
Wordell Plumbing Co., 46 Weir
WALPOLE—Spear, H. A., Jr.
WALTHAM—Carr, F. C., 563 Main
Codyer & Cavanaugh
WEBSTER—Bates, A. J. & Son
Rosebrooks & Cummings
WORCESTER—Barnard, Geo. A., 74 Prescott
New England Steel Roofing Co., 274 Main

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MICHIGAN.

ALLEGAN—Phillips Bros.
ALPENA—Campbell, W. H.
ANN ARBOR—Hock Bros., 507 S Ashley
BATTLE CREEK—McCallum, Wm. Peterson, J. G., 29 Washington av, N Wattles & Strong
BAY CITY—Bay City Cornice Co., Water st Walther, A. & Sons Wilson & Wanless
BENTON HARBOR—Emerson, Alfred
CALUMET—Carlton Hardware Co.
CASSOPOLIS—Hayden, W. B. & Son
CHARLEVOIX—Charlevoix Hardware Co.
CHARLOTTE—Munger, J. W. & Sons
CHEBOYGAN—Cueny, J. E. & Bro. Post, J. J. & Co., Hardware
COLDWATER—Allen, D. C. & Co. Chandler & Lee Kerr Bros.
DETROIT—Berschbach & Herz, 634 Gratiot avenue
Bertling, Paul C., 344 Grand River av
BURTON, W. J. CO., 161 W. Congress. (See adv. index, end of book)
Candler, J. D. & Co., 177 Elgh, E
Clark, Jas. F., 18 Grant ct
Detroit Cornice & Slate Co., 145 St. Antoine
Eagle Cornice & Roofing Co., 959 Fort, W
Hines, H. C. & Co., 354 Humboldt av
Howie Roofing Co., 370 4th av
Hutton, Robt. & Co., 112 Fort, E
Lewis, Henry B., 45 Jos. Campau av
Michigan Cornice & Slate W'ks, 117 Fort, E
Orth, Adam J., 166 Hastings
Pudrith & Candler, 74 Brush
Union Sheet Metal Works, 815 Russell
Voigt & Sexauer, 146 Sherman
Wrench, Chas. E., 200 Beaubien
ESCANABA—Delta Hdw. Co. Escanaba Hdw. Co.
EVART—Smith, J. K.
FLINT—Foote, C. E. Hubbard, George W. & Son
FREMONT—Hain, G. E. Co.
GRAND RAPIDS—Grand Rapids Steel Metal & Roofing
Hopson, W. C. Co.
Sokup, F. J., 121 S Front
Stroul & McGurrin, 37 S Division
Weatherly Co.
HOLLAND—Van Landegend, G. A. Van Landegend, Tyler
HOUGHTON—Portage Lake Hdw. Co., Ltd.
HOWELL—Schroeder, F. P.
ISHPEMING—Eggan, F. J. Jochim, J. W. Hardware Co. (Ltd.)
JACKSON—Barrett & Daly Crequc, Josiah McGraw & Crone McLean, Frank & Co. Oleslager, John B.
KALAMAZOO—A. & D. Sheet Metal Works, 216 N Rose
Kalamazoo Cornice Works, 140 E Water
Kalamazoo Galvanizing Works
Lakey, A. L. Co., 220 N. Burdick
Middaugh, E. H., 206 E. Water
LANSING—Fleming, Jas. Mudford, Wm. Person Mfg. Co.
LAPEER—Gray, Sidney T.
LUDINGTON—Bradl, Frank Goodsel, B. J. Hdw. Co. Huston, H. V.
MANISTEE—Lloyd & Smith Manistee Iron Works, The Miller, Wm.
MARQUETTE—Clark, D. M. Manhard, M. R. & Son
MENOMONEE—Bertholdt, H. C. Fernstrum, F. G. Northern Hardeware & Supply Co.
MIDLAND—Reardon Bros. Merc. Co.
MUSKEGON—Towner Hardware Co. Towner Hardware Co.
NEGAUNEE—Lucas, H. N. Neeley, Benjamin
NORTHVILLE—Carpenter & Huff
PLYMOUTH—Connor Hdw. Co.
PORT HURON—Dart, James A.
QUINCY—Cole, S. B.
ROCHESTER—Tienken & Case Wood, H. L. & Son
SAGINAW—Bartlett, A. F. & Co., 930 S Tilden
Eagle Cornice Works
Jacobi, Alex., 113 N Warren av
Leverer, J. S.
Martin, R. & Son
Saginaw Sheet Metal Works
Tanh, H. L., 1151 Genesee av
VALLEY CORNICE & SLATE CO. Ltd. (Also Copper), 314-318 N. Hamilton, W. S. (See adv. index, end of book)
SAULT SAINTE MARIE—Soo Hdw. Co.
SHELBY—Rankin, A. J.
TECUMSEH—Satterthwaite Bros.
VASSAR—Dean, H. C.

MINNESOTA.

DULUTH—Burrell & Harmon, 308 E Superior
Deetz & Co., 408 E. Superior
Duluth Corrugating & Roofing Co., 126 E Michigan
Ehnstrom, J. V., 2009 W. Superior
Heibing, L. R. Co., 322 E Superior
Hollihan & Milostan, 207 W 1st
Star Roofing & Cornice W., 209 Lake av
ELYSIAN—Elysian Hardware Co.
FERGUS FALLS—Bauer, Jos., 125 Bismarck
LITTLE FALLS—Berg, J. W. av
MINNEAPOLIS—Crittenden Roofing & Mfg. Co., 918 S 4th
Gerber, J. J., 128 6th av S.
Haglin, C. F., 220 Lumber Exchange
Nees, Louis & Co., 1207 S 3d
Northwestern Roofing, Cornice & Stamping Works, 1113 S 5th
Selden Roofing & Manufacturing Co., 78 Western av
Stremel Bros. Roofing & Cornice Co., 1215 Wash'n av, N.
Townsend, A. W., 20 2d, S
NORTHFIELD—Northfield Furnace Co.
OWATONNA—Parrott & Smith
RED WING—Swanson & Anderson, 312 Main
ST. CLOUD—Ladner, C. F. Powell Hdw. Co.
ST. PAUL—Bergstrom, Mrs. Carl
Griffin & Boehme, 121 W University av
Haug, Joseph, Roofing & Cornice Co., 30 W Third
Laubach, J. A. Roofing & Cornice Works, 470 S Robert
Lefebvre-Deslauriers Roofing & Cornice Co., 26 8th
Minnesota Roofing & Cornice Works, 135 12th
St. Paul Roofing, Cornice & Ornament Co.
St. Paul Roofing, Cornice & Ornamental Co., Water c Wabasha
Scribner-Libbey Co., 221 W 5th
Staples & Staples, 503 Decatur
ST. PETER—Feldman, Chas.
SAUK CENTER—Hillbernd, G. & Co.
WINONA—Magnus & Wilkens, 119 E 2d Magnus & Wilkens, 119 E. 2d

MISSISSIPPI.

NATCHEZ—Mulvihill, P. W.
VICKSBURG—Bruser, W. H. Waggener Plumbing Co.
YAZOO CITY—Cummings, M. F. Jenne, George

MISSOURI.

BOONVILLE—Vanatta, Frank
BUTLER—Bennett-Wheeler Mer. Co.
CAPE GIRARDEAU—Brunkhorst, A. F. Vogel, W. H.
CARTHAGE—Carthage Cornice Works
COLUMBIA—Gribble, H. J.
DE SOTO—Berg, Fred. Slawson, A. F.
HERMAN—Eberlin, Christ
HUNTSVILLE—Calhoun, V. B.
INDEPENDENCE—Hill & Martin
JOPLIN—Eagle Cornice Works Kingston, W. H. Kitching, Wm.
KANSAS CITY—Geis, John J.
Kansas City Cornice Works, 1733 Harrison
Kansas City Furnace Co., 618 Prospect
Kansas City Roofing & Corrugating Co., 220
Martz & Roehber, 1313 Main W 3d
Ritzler, J. A. Cornice & Ornament Co.
Stoblet, Frank C., 12 E Missouri av
Twichell Iron Co., 220 W. 3d
Van-Stone, Walter, 1710 Walnut
Wels, Henry Cornice Co., 1815 Wyandotte
Werner & Stolte, 1933 Grand av
Wiedenmann, W. C., 1710 McGee
Zahner Mfg. Co.
KIRKSVILLE—Eggert, S. L.
LEBANON—Koby, Victor
LEXINGTON—King & Marrs Schawe, G. C. Yungling, C. E. Wels, W. F.
MORERLY—Stauffer, P. & Co. Stauffer, P. & Co.
NEOSHO—Briggs Hdw. Co.
ST. JOSEPH—Langan, Peter, 305 S 4th
Seaman & Schuske, 1604 Fredk av
Seaman & Schuske Metal Works Co. 1604 Fredk av
St. Joseph Cornice Works, 742 S 6th
Wehrman, Wm., 119 N 2d
Whelan, Alex., 1001 S 10th
ST. LOUIS—Bannantine Galv. Iron Mfg. Co., 118 Soulard
Caplan Galvanized Iron Cornice Co., 4412 Easton av
Clemens, John, 1922 S 7th
Eagle Metal Works Co., 1512 Clark av
Excelsior Cornice Co., 7821 Ivory av
Fleck & Stark, 3635 S Broadway
Gerock Bros. Mfg. Co., 1252 Old Manchester rd
Glessow Cornice Works, 3721 Cass av
Hammond, C. S. & Co., 1500 N 2d
Hopmann Cornice Co., 2500 N Jefferson
Knox, Thos. & Co., 4608 Easton av
Kohlmeyer, G. E., 3222 N B'way
Mesker & Bro., 421 S 6th
Mungenast, Jos. & Bro., 3215 Meramec
Newport Cornice & Furnace Co., 3205 Chouteau av
Powers & Boyd Cornice & Roofing Co., 3614 Laclede av
Rowland Sheet Iron & Cornice Works, 3713
Ruth, Jno. F., 4208 Page boul
Sidler, B. & Co., 1823 N Taylor av
South St. Louis Cornice Works Co., 3932 Iowa av
St. Louis Cornice Co., 1914 Union boul
Sydow, Herman, 6333 S B'way
Tiernan, Luke, 1019 Chestnut
Von der Au & Claus Mfg. Co., 2406 S Jefferson av
SPRINGFIELD—Anslinger & Co.

MONTANA.

ANACONDA—Copper City Commercial Co.
BOZEMAN—McCay, H. B.
BUTTE—Dorhoffer, F. J., 9 S Montana
GREAT FALLS—Great Falls Iron Works Murphy-Maclay Hardware Co.
HELENA—Adams Heating & Plumbing Co., Power blk
McKinnon, H. A.
Rummell, J., Estate of
KALISPELL—McIntosh Hardware Co.

NEBRASKA.

BEATRICE—Spieler, Jos.
FREMONT—Globe Cornice Works Smith, F. M. & Son
HOOPER—Heine, J. F. & Son
KEARNEY—Kearney H'ware Co.
LINCOLN—Gaiser Bros.
NORTH PLATTE—Fillion, Jos. T.
OMAHA—Bjornson & Hass, 214 N 15th
Carter, R. L., 1724 St. Mary's av
Cox Furnace & Tin Co.
Epeneter Cornice Works
Kastl, J. F.
Knecht, Mrs. Augustus
Olson Bros, 2370 Leavenworth
PLATTSMOUTH—Kroeler Bros.
SCHUYLER—Pence, J. A.

NEVADA.

GOLDFIELD—Shillington, J. E. & Co.
RENO—Nevada Plumbing & Sheet Metal Works

NEW HAMPSHIRE.

BERLIN—Berlin Mills Co.
CONCORD—Bailey & Merriman, 8 Main.
MANCHESTER—Lawson, H. J., 26 Auburn
Pik & Heald Co., 972 Elm
O'Brien, M., 123 Amherst
PORTSMOUTH—Paul, W. E. Sweetser, J. G.

NEW JERSEY.

ATLANTIC CITY—Atlantic City Cornice Works
Currie Co.
Horan, Mich. J.
BAYONNE—Devaney, Jno. J., 297 Av D
Gilbertson, J.
BERNARDSVILLE—Bromfield, W. R. Griffith, C. H.
BOONTON—Kopps, Jno. I. Sons
BOUNDBROOK—Williams, Thos. F. Zelp, W.
CAMDEN—Cole, Chas. A., Est., Delaware av
Metallic Mfg. Co., 232 Spruce c Wood
Trego, Waldo R. Co., 505 N 5th
ENGLEWOOD—Beck, Wm. Dubois, Chas. L. Hickey & Baker
ELIZABETH—Elizabeth Cornice Works Faulks, Jas. H. Co.
HARRISON—Godby, W. H. & Bro.
HIGHTSTOWN—Taylor, Jas. A.
HOBOKEN—Dorsett, T. W. Co., 1113 Clinton
Leonard Sheet Metal Works (Inc.), 219 Grand

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JERSEY CITY—Donovan, D. F., 890 7th
Henningsen, Henry, Co., 15 Garrison av Newark av
NATIONAL SHEET METAL ROOFING Co., 339 Grand. (See adv. Index, end of book)
New York Iron Roofing & Corrugating Co.
Ringle, Jacob & Son (also Copper, etc.), 88
Schreck & Waelty, 27 Hague
LONG BRANCH—Warwick, W. R., Jr.
NEWARK—Allwood, J. R. & Son, 39 Marshall
Baier & Conrad, 336 Hunterdon
Bleeker, Jos., 130 South
Ding & Tensher, 476 18th av
Engelberger, F. & W. V. Co., 159 Jelliff av
Essex Cornice & Skylight Works, 109 Hummel, Louis, 115 Belmont av Houston
Howarth Bros. Co., 62 N. J. R. R. av
Newark Cornice & Skylight Works, 9 17th av
Schwing & Co., 100 Ferry
Smith, Frank F., 19 Division
Steinberg, Jacob, 229 Belmont av
Zenglein, Jno. A., 45 Winans av
PASSAIC—Falstrom & Tornquist Co.
PATERSON—Lendrim, H. C. Co., 84 Clay
McNeil, Lawrence W., 427 Grand
Quinn Bros.
Rogers, Andrew J. Co., 90 Bway
PRINCETON—Margerum, H. W.
Stryker, A. Y.
RARITAN—Wyckoff, J. C.
RED BANK—Patterson, J. C.
RUTHERFORD—Tallman, S. C.
SALEM—Righter, J. C.
TRENTON—Trenton Excelsior Cornice Wks
WEST HOBOKEN—Gutschmidt, W. H., 810 Hammersen, Wm. John
Sutter, Louis
WOODBURY—Kleinhanz, Jno. V.
Muller Bros.

NEW MEXICO.

ALBUQUERQUE—McClaskey, W. A., 315 W Railroad

NEW YORK.

ALBANY—Ackroyd, Jas. & Sons, 964 B'way
Fitzgerald, Jno. L., 22 Beaver
Gorman, Jas. J., 14 Norton
Hoffmann, J. H. B., 90 Green
Maenee & Rabe, 650 B'way
Walsh's, Jas. D. Sons, 40 Sheridan av
AMSTERDAM—Dwyer, Cornelius
Dwyer Bros.
AUBURN—Auburn Iron Co.
Hungerford, J. A.
BALLSTON SPA—Tracy, John J.
BINGHAMTON—Freeman, E. G. & Co., 81
McIntyre & Hull, 77 State Water
Lynch, Jno. R. & Son, 86 State
Young, J. J., 233 Chenango
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Galvanizing & Tinning Works, 51 Jackson
Christmann, Philip & Sons, Orange & Virginia
Elsinghorst, A. F., 138 B'way
Gruber, Rupert & Co., 541 Sherman
Lindsay, Wilson, 167 E Ferry
Lipp & Nauth, 334 Genesee
Machwirth Bros. Co. (also Copper, etc.), 201 Oak
Menge, Fred H., 480 Genesee
Peters, G. H. Co., 293 Oak
Rademacher Bros., 845 Fox
Roty, A. & Son, 835 Main
CANASTOTA—Remiss & Co.
CATSKILL—Day & Holt Co.
CATTARAUGUS—Eberlee, T. J.
Jewell, J. H. & Sons
COHOES—Loop, Wm. H., 44 Van Rensselaer
CUBA—Sisson & Smalley
DOBBS FERRY—Siess, A. C.
ELMIRA—Barker, Rose & Clinton, 109 Lake
Gridley, G. A. & Son, 126 W Water
Young, Chas. W., 114 Lake
FORT PLAIN—Linney, W. T.
Stewart & Bergen Co.
FULTON—Johnston, Geo.
Snow, A. J.
GLENS FALLS—Adams, G. E. & Co.
HUDSON—Macy, Frank A.
ISLIP—Lennon, Jos.
JAMAICA—(See New York City, Borough of Queens)
KEESVILLE—Callanan Bros.
KINGSTON—Wieber, Henry E. (Est. of)
LEITERSHIRE—Becker, C. D.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Hartman, Wm. T.
Marshall & Noble
Zimmerlin Bros.
MARLBORO—Hughes, T. H.
MECHANICSVILLE—Allen, Wm. H.
MOHAWK—Richardson Co.
MORAVIA—Small, F. & Sons
MOUNT KISCO—Gorham, G. W.
MOUNT VERNON—Norden, J., 48 Mt. Vernon avenue
NEWBURGH—Atlas Roofing Co.
NEW ROCHELLE—Helmrich, Geo.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Beer, M. F., 1024 B'way
Blecher Bros., 49 Nostrand av
Buchanan's, A. Sons, 400 Sumner av
Clifford, Neil, 382 Union
Davis, Jno., 20 Wyckoff
Friedberg & Klein, 278 Division av
Friedman, S. M. Co., 95 Cedar
Fuchs, Louis, 1267 Gates av
Gartenberg, Morris, 426 6th av
Gogarty, M. J., 1531 Fulton
Gorlitz, S., 64 Reid av
Greenthaler, Chris., 333 Thorp av
Halpin, Jas., 936 De Kalb av
Herrmann & Grace, 671 Bergen
Hoellerer, Geo., 908 Bergen
Kuhnla, August, 10 Lorimer
Kuhnla, Ernest & Sons, 71 Hinsdale
Muller, E. A. & Bro., 687 4th av
Ostergren, K. M., 705 DeKalb av
Ostergren, Samuel & Sons, 725 3d av
Otto, J. M., 46 Maujer
Rosenthal & Welsingen, 66 Morrell
Schnitzspan, H. V., 800 Wythe av, Brooklyn, N. Y.
Seton, Frank J., 78 Washington av
Waldhauer, Fred'k, 1723 Nostrand av
White, Jas. Co., 448 Adelphi

Boroughs of Manhattan & Bronx.

NEW YORK—Abbott's, M. Sons, 137 8th av
Architectural Cornice & Skylight Works, 525 W 38th
Baron Sheet Metal Works, 454 W 41st
Beer & Iless, 223 W 35th
Berglund, Chas. & Son, 774 3d av
Blayer, Chr., 20 Bradhurst av
Blechner, Albert, 675 Bergen av
Blechner Bros., 43 1st
Bois Sheet Metal Works, 562 W 34th
Borkel, Jno., 42 E Houston
Cary-Doerhoefer Co., 124 E 129th
Coleman & Krause, 515 W 29th
Deutsch, Jacob, 17 Stanton
Dietze, Oscar, 242 E 80th
Dreyer & Co., 324 E 63th
Dunn, L. J., 164 E 120th
Ehrlich, Wm., 287 Av C
Empire Cornice Works, 396 Broome
Feld, Max, 949 Home
Freyberg, Rich. H., 2308 2d av
Garfein, Aaron, 304 E 150th
Giegerich, Jno., 424 E 50th
Greenky, Louis, 853 Cauldwell av
Harlem Cornice & Roofing Co., 1060 Park av
Harrison, M. & Son, 214 E 52d
Hilts, Wm. H., 77 W 3d
Hinz, Albert, 403 E 10th
Kanzler, Chas., 618 E 154th
Katz, I. & Co., 100 3d
Krauth, Carl
Lazarous & Hirschenfeld, 180 Av C
Liess, E., 2324 Bathgate av
Loeble, August H., 6 Sullivan
McFARLAND, J. C. & CO., 213 and 215 E 44th. (See adv. Index, end of book)
Manhattan Tin Roofing Co., 170 E 112th
Marshall & Co., 281 E B'way
May, Wm. M., 708 11th av
Morrow, John Co., 225 W 50th
Muller, R. & O., 358 E 151st
Murphy, Geo. M., 43 New Chambers
Neil's, John Son, 436 W 17th
New York Cornice Works, 338 E 32d
New York Cornice & Skylight Works, 408 E 151st
New York Sheet Metal Works, 515 W 29th
North Side Cornice & Roofing Co., 1538 Castle Hill av
Oppel, Rudolph, 335 E 32d
Pasewark, C. H. & Co., 347 E 105th
Perske, Frank, 439 E 92d
Peters, Wm. C., Carter av, c E 176th
Pfeiffer Bros., 473 Greenwich
Preusser, Jno., 302 W 122d
Rosenberg, Adolph, 512 E 17th
Samet & Schoen, 4187 Park av
Saron, David, 2164 Madison av
Schwoerer, A. & Sons, 530 E 80th
Smith & Dorsett, 405 E 47th
Sommerfeld & Riesner, 325 W 38th
Star Cornice, Skylight & Roofing Wks., 509 3d av
Storch, L. A. & Co., 517 E 73d
United Cornice & Skylight Works, 153 Lewis
Vincent, Wm. E. D., 133 E 118th
Walther, Max, 532 E 142d
Weiss, Morris L., 618 E 10th
Westergren, M. F. (Inc.), 213 E 144th
Winter, Jacob Co., 712 Lexington av

Borough of Queens.

LONG ISLAND CITY—Brodie, Wm., 31 Vernon
Petry, John W., 63 Vernon av av
(End of New York City)

NEW YORK MILLS—Hastings, M. H.
NIAGARA FALLS—Mackwith Bros. Co.
OLEAN—Pierce, O. W.
ONEIDA—Lype, Norman
OSWEGO—Oswego Bldw. Co., W 1st
PENN YAN—Hollowell & Wise
PORT JEFFERSON—Davis & Co.
POUGHKEEPSIE—Aldrich, Elbert, 391 Mill
RAVENA—Strevell & De Friest
RED HOOK—Curtis, J. A.
ROCHESTER—Brown & Martin, 476 N Goodman
Calder, Robert, 86 Exchange
Fricker Co., John, 10 Ely
Knowles, John W., 50 Franklin
Ratt & Smith, 40 Stone
Rochester Roofing & Heating Co.
Schoenemann, Fred, 382 St. Paul
Siddons, John Co., 61 N Water
RONDOUT—(See Kingston)
ROUSES POINT—Chilton & Jones
SCHENECTADY—Allen, Jno.
MacGregor, Thos. F.
SCHUYLERVILLE—McRae, G. S. & Co.
SHELTER ISLAND—Harris, C. S.
SYRACUSE—Blant, Jos. A., 227 James
Bradford & Deruchie, 439 E Water
Cashman & McCarthy, 872 W Fayette
Curran, Jas., 213 N Franklin
Donovan & McCarthy, 412 So West
Gooley, W. F., 1911 W Fayette
TONAWANDA—Koenig, H. B.
TROY—Loeble, Wm., 422 River
Manogue, Edw'd Co., ft of Grand
UTICA—Metal Roofing & Cornice Co., 71 Main
WARWICK—Montross, A. W.
Ogden & Pelton
WATERTOWN—Arthur, H. S., 46 Court
McCrady & Rogers, 42 State
Spratt, Corcoran & Foley Co., 48 Court
WATKINS—Durland, L. H. Son & Co.
WELLSVILLE—Hoyt Bldw. Co.
Vincent, C. F., Estate of
WHITE PLAINS—Fowler & Sellars Co.
YONKERS—McVicar, Thos., 30 Dock
McVicar, Wm. H., 83 Woodworth av
Scholding Bros., 167 Nepperhan av

NORTH CAROLINA.

ASHEVILLE—McPherson, Jos. C.
CHARLOTTE—McCausland, J. N. & Co.
Ray, G. G. & Co.
Shuman, C. F.
GREENSBORO—Johnson Mfg. Co.
Yates, J. F.
WINSTON SALEM—Brickenstein, L. B.

NORTH DAKOTA.

FARGO—Fargo Cornice & Ornament Co.
WAHPETON—Jamieson, W. W.
Schultz, Otto H.

OHIO.

AKRON—Akers & Harpham
Akron Roofing Co.
Kasch Roofing Co.
May Fieberger Co.
Pouchott-Hunsicker Co.
ALLIANCE—Love, Casselman & Co.
CADIZ—Bryan, H. E.
CAMBRIDGE—Cambridge Roofing Co.
Hartley, W. H. & Sons
CANTON—BERGER MFG. CO., THE. (See adv. Index, end of book)
Canton Art Metal Co.
CANTON MFG. CO., THE (Cornices & Skylights. (See adv. Index, end of book)
Eller Mfg. Co.
Kanneberg Roofing & Ceiling Co.
CINCINNATI—Andler, Adam, 3023 Highland av, Mt. A.
Beckman & Co., 953 Garfield av
Beckman, Wm., 1543 Race
Blum, Albert, 2837 Woodburn av
Boesch, Victor P. & Son, 2432 Eastern av
Brandis Bros., 3109 Reading rd
Brockmann & Schuessler, 330 W 3d
Brophy, John L., 25 W Canal
Cincinnati Cornice Works, 637 W Court
Dearking, Fred W., 3829 Glenway av
Dirr, George L. & Son, 3031 Warsaw av
Eagle Galvanized Iron Cornice Works, 215 W. 3d

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EDWARDS MFG. CO., 545-565 Eggleston av. (See adv. index, end of book)
Emmers Cornice Co., 1007 B'way
Fahnle & Dietrich, 537 Oliver
Fisher, Philip, 1066 Central av
Freund, J. Roofing Co., Mitchell av & B. & O. S. W. Ry.
Gilbert Cornice Co., 1912 Vine
Goodling, Michael, 1824 Race
Greiwe, E. & Bro., 1128 B'way
Grueninger, Louis, Court & Freeman av
Hauck, Michael, 14 E 13th
Hirt Bros., 1814 Race
Jansen, John F., 2140 Gilbert av
Kobmann, Chas., 1919 Central av
Kopelent, Henry, 2723 Vine
Meyer, Edw. & Co., Elm & Green
Neabrey, J. H., 637 W Court
Porter Iron Roofing & Corrugating Co., 8
Queen City Exhaust & Blow Pipe Co., 1732 Central av
Rothert, Wm. & H., 1603 Main
Scott Roofing & Mfg. Co., 224 E Front
Spatz, Wm. C., c Powers & Tozzer
Standard Roofing Co., 1662 Providence
Stevens, Albert, 1125 E 3d
Sweeney, J. A. & Co., 829 W 5th
Verges, Ferd. F., 2548 Vine
Weigel, John Co., 664 E McMillan
Weissenberger, Geo. K., 4006 Spg Grove av
Witt Cornice Co., 8th & B'way
Witt & Brown, 215 W 3d
Zoller, Fred, 1732 Central av

CLEVELAND—Callaghan, J. & Son, 1119 Superior, N E
Cleveland Galvanizing Works Co., 3924 Cooper, N E
Cleveland Metal Roofing & Ceiling Co., 3105 Detroit
Garry Iron & Steel Co., 1270 E 53d
Mannen & Esterly Co., 2247 St. Clair
Ohio Roofing Co., 1477 Euclid av
Ortli, Chas. F., 2510 Barber av
Riester & Thesmacher Co., 1512 W 25th
Rudolph & Son Co., 416 Prospect av, N W
Schorndorfer Hardware Co., 7001 Woodland av
Standard Galvanizing & Tack Mfg. Co., Stran, C. W., 1288 E 9th 726 Canal rd

COLUMBUS—Calkins, W. R. & Sons, 752 E Long
Schilling, John N., 193 N Grant av
Schoedinger, F. O., 146 N 3d
Schoedinger-Marr Co.

DAYTON—Bretch, A., 125 E 5th
Couch, R. L., 1528 W 3d
Dayton Cornice Works, 327 E 3d
Hoersting & Holtmann, 1124 W 3d
Jungelas Cornice Works, 909 W Washington
Kenney, J. R., 251 S Wayne av
Rieck, H. F., 508 S Wayne av
Wuichet, Chas. & Co., 14 S Canal

EAST LIVERPOOL—Watson, A. A.
ELYRIA—Elyria Hdw. Co.
Fitch & Horning
FINDLAY—Fiscus, W. J.
Hoffman & Bryan
Klein, Fred
FOREST—Dickelman Mfg. Co.
FOSTORIA—Baker, W. E.
Ballmer, D. R.
Newson, Jas. L.
Stewart Hdw. Co.
GALION—Sponhauer, H. C.
Zimmerman, J. H.
GLENDALE—Dollman, J. W. & Son
Schatzman, P. & Son
GREENVILLE—Beedle, C. & Son
Humphreys, R. T.
HAMILTON—Bauer, E.
Becker, Jno. L.
Henn & Buffer
Schlosser, Jacob & Son
Zschau, A. E.
IRONTON—Fillgrove, Louis A.
KENT—Reed, C. R.
LIMA—Smith, Wm. A., 212 S Main
MANSFIELD—Crouse, F. & Son, 21 N Park
Donaldson, G. W., 20 S Main
Flohr, G. A., 34 E 3d
Hoffman, Chas.
Martin, C. E. & Bro.
Runyan, C. C.
MARIETTA—Theis, H. P.
MARION—Salter, F. R.
MARYSVILLE—Church Bros. & Weld
Scott, O. M. & Bro.
MEDINA—Oatman Bros.
MIAMISBURG—Schell & Pansing
MIDDLETON—Fouts, C. C.
MILLERSBURG—Fitch, John
Shoup, C. C.
NILES—American Sheet & Tin Plate Co.
Cramer Bros., 108 S Main
Unger, F. S. & Co., 11 N Main
PIQUA—Lee, Geo. E.
PORTSMOUTH—Glockner, Alexander M.
SALEM—Mullins, W. H. Co. (also Copper)
SANDUSKY—Mertz, J. & Sons
SHELBY—Armstrong, Rauch & Trimble
Standard Mfg. Co.
SIDNEY—Rheinlche, George
SPRINGFIELD—Hauck, Chas. F. & Co., 35 W Main
Lafferty, Sam'l J., & Sons, 55 E. Main
Peet & Schuster Co., 118 S Center
TOLEDO—Curran & Firth, 620 Monroe
Gerken, J. D. & Co., 1311 Washington
Hofer, Fred, Jr., ft Washington
Hoffman & Harpst Co., 1005 Cherry
Toledo Cornice & Copper Works, 130 Ottawa
Warnke, Bros.
Wolf Hardware Co.
Wortsmith, Frank, 415 Huron
WARREN—Browning Bros., 203 E Market
Skinner, L. E., 16½ W Market
WASHINGTON, C. H.—Allen, Chas.
Wilson, J. W. & Co.
WELLINGTON—Peirce, A. H.
WILMINGTON—Jefferis, J. M., & Son
WOOSTER—McClure (The), Co.
XENIA—Henrie, C. C.
YOUNGSTOWN—Dalzell Bros.
Squire, Jno. R.
Youngstown Iron & Steel Roofing Co., The
Youngstown Sheet & Tube Co., The
ZANESVILLE—Hanlon & Saup
Ludy, J. W.
Snyder Roofing Co.

OREGON.

ALBANY—Albany Hardware Co.
BAKER CITY—Basche-Sage Hardware Co.
GRANTS PASS—Coron, E.
Cramer Bros.
Hair-Riddle Hardware Co.
McMINNVILLE—Hodson, O. O.
PORTLAND—Bayer, J. C., 285 2d
Moore-Meagher Co., 209 Wash
Tilton Bros., 105 5th
Wynkoop, Lyman, W., 248 Ash
SALEM—Barr, T. M.
Fraser, A. L.

PENNSYLVANIA.

ALLEGHENY—Allegheny Cornice & Skylight Co. (Also Copper)
Irwin, Thos. W., 411 Rebecca
SCHOLES BROS., 1241 Rebecca.
ALLENTOWN—Allentown Cornice Works
Best, J. A. & Co.
Hersh & Bro., 829 Hamilton
Miller, Jacob, 535 Linden
Neff, Wm. F.
ALTOONA—England, S. B.
Garrahan, P. F.
Hughes, J. C. & Son, 906 8th av
Johnson, A. A., 1218 8th av
Klesius, G., 609 12th
Wilkinson, Lee A.
ARDMORE—Whelan, Martin.
ASHLAND—Lauer, J. J.
McConnell & Bro.
BEAVER FALLS—Davidson, W. J.
BELLEFONTE—Twitmire, W. T.
BETHLEHEM—Lehigh Valley Cornice Works
BRADDOCK—Loew, John A. & Co.
Shirer, John W.
BRADFORD—Dean & Love
BUTLER—Campbell, J. G. & W.
Hauck, F. J.
Hauck, Jos. R.
CARNEGIE—Rome, George & Co.
CHESTER—Armitage, Geo. L.
Doran, Jno. A.
Goodman, K. & Son
Ward, Hugh H.
CLEARFIELD—Johnson, F. & Bro.
Powell, J. Frank
Powell, W. F.
CONNELLSVILLE—Munson Bros.
CORRY—Barlow Hdw. Co.
Guignon, E. E.
Guignon, H. A.
Miller & Stuart
DUQUESNE—Thomas, G. E.
EASTON—Arndt, Wm.
Kinsey, Howard P.
Miller, E. H.
Stotz Bros.
EAST STROUDSBURG—Lessig, J.
ERIE—Braggins, John H., 1128 Sassafras
Miller Hardware Co.
Murphy Bros., 22 N Park
Patterson & Stirling, 12th & French
GIRARDVILLE—Griffiths Hardware Co.
GREENSBURG—Overly, W. F.
HALLSTEAD—Rogers, Jos. B.
HANOVER—Bargelt, Louis
HARRISBURG—Fager, G. C., & Son
Zollinger, G. J., 308 Blackberry av
HAZLETON—Barber, Robert B.
Koehler, Fred.
HOMESTEAD—Snyder, Louis B.
HONESDALE—Erk Bros.
Watts, G.
INDIANA—Alter, C. A.
Hamilton, George T.
JOHNSTOWN—Doyle, Frank
Fenn, Wm. J.
Friedhoff & Mahaffey
Joy Bros.
KINGSTON—Johnson, H. F. & Sons
LANCASTER—Arnold, John L.
Pohl, John E.
Sheet Metal & Supply Co.
LOCK HAVEN—Fickinsher, Fred
McKEESPORT—Kemp, Jas. F. & Bro.
Miller & Matthews
MAHANOY CITY—Morgan, William
MECHANICSBURG—Hauck Bros.
NANTICOKE—Hill & Evans
NICHOLSON—McConnell & Lord
OIL CITY—Booker Sheet Metal Wks.
PEN ARGYL—Correll, R. S.
PHILADELPHIA—Abronski Bros., 1615 Stiles
American Metal Cornice Works, 1224 Ontario
Arensberg, Wm., 933 S 6th
Bohem, A. & G., 1488 Federal
Bondurant & Schuch (Inc.), 1410 Oxford
Caulton & Co., 5002 Willows av
Central Cornice Works, 3420 Market
Enterprise Cornice Works, 4714 Market
Excelsior Cornice Works, 515 Lombard av
Gars, McGinley & Co., 23 S. 17th
Garthaus, H. A., 1847 N 6th
Germantown Cornice Works, 162 E Chelton
Girard Cornice Works, 1208 Gtn. av av
Graber, Francis, 2306 N 8d
Humphreville, Edwin, 2641 N Hutchinson
Lupton's D. Sons Co., Allegheny av & Tulip
Meade Roofing Co., Woodlawn av & 46th
Northwestern Cornice Works, 2639 Hagert
Penn Metal Ceiling & Roofing Co., 23d & Hamilton
Philadelphia Metal Cornice Works, 1847 N 6th
Rhodes & Maloney
Thorn, J. S. Co. (Also Copper), 20th & Allegheny av
PHILLIPSBURG—Bortel & Demi
PHOENIXVILLE—Caswell & Moore
PITTSBURG—Allegheny Cornice & Skylight Co., 409 Ferguson bldg
Cassidy & Dinkel Co., 2906 Penn
East End Cornice & Roofing Co., Berlin & Frankstown av
Kirsch, Jacob, 3234 Penn av
Luckhardt, Louis, Co., 85 Sweetbriar
Ramer & Dinger Co., 100 2d av
PITTSTON—Byrne, Jno. W.
PLYMOUTH—Dymond, E. P.
POTTSVILLE—Herbrick & Co.
Hoefel, Frederick
READING—Hafer, J. D., 1046 N 8th
Hain, Wm. T., 824 Court
Yeager, Wm. B., 8th & Chestnut
RIDGWAY—Bowen, S. E.
Cody, C. L.
Smith Bros. Co. (Ltd.)
SCOTTDALE—Dick, J. I.
SCRANTON—Derby, W. H.
Gunster Bros.
Maloney, Jas. P. & Co., 805 Capouse av
SHAMOKIN—Unger, Warren
SHARON—Hoffman, P.
SHARON—Hoffman, P., & Sons
Hoffman, J. C. & Bro.
SOUTH BETHLEHEM—McBride, Michl. J.
TITUSVILLE—Hughes, D. D., & Son
UNION CITY—Hatch Hardware Co.
WASHINGTON—Hays, G. W.
WEST BETHLEHEM—Schlosser, J. F.
WEST CHESTER—Apple Plumbing & Heating Co.
James Bros.
Palmer, George J.
WILKES-BARRE—Allen & Fell
Becker, P. & Son
WILKINSBURG—Britner, E. M., South av & P. R. R.
YORK—Kidds, Alex., Son, 137 N George

RHODE ISLAND.

CENTRAL FALLS—Plews, R. Mfg. Co.
NEWPORT—Covell, W. K.
PAWTUCKET—Carpenter, E. P., Tin & Sheet Metal Co., 50 N Main
Reetz, Robert C.
PROVIDENCE—Brody, Louis, 21 Mill
Brunnckow, C. G., Co., 223 Globe
Burgess, James, 254 Prairie av

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CLASON ARCHITECTURAL METAL Works (and Copper), 428 Kinsley av (See adv. index, end of book)
Enterprise Cornice & Skylight Works, 27
Harris, Clayton, 281 Canal. Bassett
Hitz, Chas., 9 Calla
Lamoureux, F. & Co., 89 Friendship
Providence Arch'l Metal Works, 237 Dyer
Providence Cornice Co., 311 Canal
Rhode Island Cornice Co., 76 Point
Strauss Co., 308 Eddy
WOONSOCKET—French, O. P. & Son

SOUTH CAROLINA.

AIKEN—Hyer, W. C.
Smith, W. H.
ANDERSON—Acker, E. H.
Archer, F. E.
CHARLESTON—Arnot, A. M.
Charleston Galvanized Iron Cornice & Steel
Masters, R. M., 127 King Ceiling Works
Shepherd Supply Co., 232 Meeting
COLUMBIA—Dozier, L. B., & Co.
Lorick, Lee A. & Bro.
GREENVILLE—Barr Hdw. Co.
Cook, J. A.
ROCK HILL—Westerlund, J. W.
SPARTANBURG—Pickens, R. O., 94 Morgan
UNION—Murrah, T. A.

SOUTH DAKOTA.

RAPID CITY—Sweeney, Tom Hardware Co.
SIOUX FALLS—Stallman, John
YANKTON—Yankton Sheet & Metal Works

TENNESSEE.

BRISTOL—Leslie Tin & Sheet Metal Works
Sweet & Connor
CHATTANOOGA — Chattanooga Roofing & Foundry Co.
Chattanooga Sheet Metal Works
Goodlake, G. W., 813 Broad
Mountain City Stove & Mfg. Co., 628 Market
McMahon, James
McMahon, James
Snow, T. A. Co., 710 Market
Snow, Tom, Tin & Roofing Co.
FAYETTEVILLE—Blakemore, J. A.
Robertson & Goodrich
HARRIMAN—Edington Bros.
Salyers, T. D. (Agt.)
JACKSON—Anderson, G. C. & Co.
KNOXVILLE—Cruse, J.
Mundy & Gredig
Williams, G. R.
MEMPHIS—Burdick, A. W. & Co., 22 Hernando
Chickasaw Iron Works
Cubbins, F. D., 405 2d
Dush, Louis
Eichberg & Lang Mfg. Co.
Fritz, Edw. H., 152 Front
Nohsey & Schwab, 355 2d
Verdel, E. F. & Co., 386 2d
Wessendorf, Charles, 196 Main
NASHVILLE—Cammerer, H. & Son, 227 N Market
Howell, Geo.
Kadel, L. J.
Murray, E. T. & Co., 167 N College
Phillips & Buttorff Mfg. Co., 217 N College
Zimmer, A., & Son

TEXAS.

AUSTIN—Buass, J. O., 818 Congress av
CORSICANA—Johnson & Wood Hardware Co.
Tatum, W. M., Hardware Co.
DALLAS—Burke, W. D., 128 N Akard
Hinckley, D. G., 604 S Howard
Huey & Philip Hardware Co., 257 Elm
King, T. F.
Payne, F. T., 652 Elm
DENISON—Campbell & Co.
Waltz, Chris.
EL PASO—Momsen, Gus, Co.
ENNIS—Blakey, J. & Co.
Craig, E. E. & Co.
FORT WORTH—Attwell Cornice Co.
GAINESVILLE—Bosley, L. W.
Calkins, D.
GALVESTON—Breene, Martin
Fedder, Albert, & Co., 2708 Market
Fredericks, W. G., 2309 A
Hoffman, W. A., 2311 Post Office
Miller, W. H., 2627 O½
Werner, Geo. P., 1628 Winnie
HILLSBORO—Smith & Tomlinson Co.
HOUSTON—Berger, Albert, 1606 Congress av.
Eisemann & Beck, 303 Caroline
Himstedt, W. F., 1208 1-2 Congress
Holtkamp, E. E.
Necco & Eisemann Co., 708 Franklin
Puls, Henry, Jr., 1401 Wash'n
Schlom, M. J., & Co., 505 Preston av.
MARSHALL—Logan & Whaley
SAN ANTONIO—Jewett Cornice & Roofing Co.
San Antonio Sheet Metal Wks.
Vodrie, H. B.
Walsh, T. P.
SHERMAN—Roberts, Sanford & Taylor Co.
Walsh Hdw. Co.
TERRELL—Muckleroy & Dew
TYLER—Daglish Merc. & Mfg. Co.
VICTORIA—Mackrell, W. H.
WACO—Strauss, Ed.

UTAH.

EPHRAIM—Jensen, F. Y.
OGDEN—Crosbie, R. L.
Newman, W. E.
PROVO—Blumenthal, H. G.
SALT LAKE CITY—Fowler, J. P.
Mitchell, H., 71 S Slate
Salt Lake Hardware Co., 42 W 2d, S

VERMONT.

BENNINGTON—Vail, F. E., 91 Main
BURLINGTON—Hathorne, A. C., Co.
LYNDONVILLE—Eaton, J. C. & Co.
POULTNEY—Horton, M. J. & Son
RANDOLPH—Lamson, J. H., & Sons

VIRGINIA.

CHARLOTTESVILLE—Thomas, R. L. & Co.
DANVILLE—Hodnett, Vass & Watson Co.
Piedmont Hdw. Co.
HAMILTON—Myers, Nathan
HAMPTON—Copeland, J. F.
Williamson, C. M.
HARRISONBURG—Saum, Jno. R.
Saum, M. L.
LEXINGTON—Beckwith, A. B., & Co.
LYNCHBURG—Diuguid, M. M. & Co.
Dornin, T. B., Adams Co.
Doherty & Casey
MANASSAS—Davis, A. B.
NEWPORT NEWS—Richter, G. M. & Son
NORFOLK—Bohn Roofing & Cornice Co., 11 Plume
Harwell, R. A., 94 Brewer
Howard, J. T., Co., 50 Washington
RICHMOND—Burton, Reuben, 819 E Cary
STAUNTON—Tanner, Charles & Co.
SUFFOLK—Lilliston, T. M.
WARRENTON—Houchens, T. M.

WASHINGTON.

ELLENSBURG—Lawrence, A.
NORTH YAKIMA—Sawbridge, Jno.
Yakima Hardware Co.
OLYMPIA—Jones, M. W.
Olympia Hardware Co.
SEATTLE—Alexander, David
Clark, T. F. Co., Flyer Dock
Finlay & Robb, 88 Lenora
Noon, T. A., 1807 7th av.
Popple & Knowles Co., 1023 Post
Seattle Cornice Works, 1730 1st av, S
Western Sheet Metal W'ks, 1751 1st av, S
SPOKANE—Brandt Bros., 207 Division
Brown Bros., 2d & Washington
Brown, Wm., 164 Post
Schrimpf, Chas. G., 25 Monroe
Woodward & Stein
Young, E. H., 826 2d av
TACOMA—Cizek, A. F., Sheet Metal Works Co., 1325 South O
Miller, Edw. Cornice & Roofing Co., 1114
VANCOUVER—Meyer, J. C. Commerce
WATERVILLE—Carpenter & Murdock

WEST VIRGINIA.

BERKLEY SPRINGS—Ambrose, C. P. & Bro.
BLUEFIELD—Hefner, O. V.
Whitlow, M. G., Hardware Co.
BUCKHANNON—Buckhannon Hardware Co.
CHARLESTON—Brawley, D. A.
Charleston Hardware Co.
Goshorn Hardware Co.
Loewenstein & Sons
Shawver, W. F. & Co.
Wolf & Lloyd
CHARLESTOWN—Easterday & Co.
FAIRMONT—Amos, G. E. & Co.
Morris, J. S. & Son
HUNTINGTON—Hagan, J. B. & Co.
Wilcoxson, C. F.
MARTINSBURG—Cushwa, C. G. & Bro.
Fisher, J. W. R.
Snyder, Wm. S., & Son
MORGANTOWN—Bailey, W. H. Hardware Co.
Burbe & Davis
Morgantown Hardware Co.
PARKERSBURG—Bosbury Bros.
WHEELING—Arkle, J. M., 3617 Jacob
Bayha, D. H., 1918 Main
Caldabaugh, G. W., & Co., 4031 Jacob
Ohio Valley Roofing Co., 928 Market

WISCONSIN.

APPLETON—Schlafer Hdw. Co.
Tesch, Wm.
ASHLAND—French, R. W., & Son
French, R. W. & Son.
Garnich, Emil, & Sons
BARABOO—Gaskell, F. N.
Lee, Radke, Hardware Co.
Pratt, A. H.
BELOIT—Murdock-Dunwiddie Co.
Watson & Bittel
EAU CLAIRE—Eau Claire Cornice & Htg. Co.
Hobbs, W. H., Supply Co.
EVANSVILLE—Baker Manufacturing Co.
FOND DU LAC—Cheney, S. H.
GREEN BAY—Danz, H.
Green Bay Cornice & Corrugating Co.
Harris, Theo. E.
HARTFORD—Esser & Schmidt
Kissel, L. & Sons
HUDSON—Foss-Armstrong Hardware Co.
JANESVILLE—McNamara, Henry L.
Sheldon Hardware Co.
KAUKAUNA—Butler & Dietzler Hardware Co ing Co.
Haas & Hohman
KENOSHA—Dewey, C. A.
English, Jno. J.
Jansen, T. K.
Schuls, H. C.
Skidd, Chas.
LA CROSSE—Badger Steel Roofing & Corrugating Co.
Dittman, Fred. Hardware Co.
Gateway City Steel Tank & Roofing Co.
La Crosse Cornice & Ceiling Co.
La Crosse Steel Roofing & Corrugating Co.
Tausche, V., Hardware Co.
MADISON—Trachte Bros.
Wolf, Kubley & Hirsig
MANITOWOC—Rathsack, Wm. & Sons
Teitjen, Emil
MARINETTE—Simcox, H. B., & Co.
Westlund, August
MENOMONIE—Globe Iron Works Co.
MILWAUKEE—Biersach & Niedermeyer Co., 216 5th
Rogenberger & Goessel, 70 Mason
Braun & Millen, 534 Clinton
Consolidated Sheet Metal Works, 661 Hubbard
Cox, Jos. L., 138 6th
Felx & Goethel, 818 Winnebago
Green, D. D., 215 Sixth
Hoffmann & Baur, 279 Lake
Klubertanz, August, 2825 Fon du Lac av
MILWAUKEE CORRUGATING CO. (Also Copper). (See adv. index, end of book)
Romberger, Joseph, 2115 Cherry
Schaetzka, H. E., & Co., 785 7th
Schaetzke, H. E. & Co., 785 7th
Schmitt, F. & Sons Co., 301 4th
Tonnsen, E. B., 51 3d
Toepfer, W. & Son, 76 Menominee
Wisconsin Sheet Metal Works, 345 33d av
MINERAL POINT—Penhallegon, John J.
MONROE—Kundert, C. Hardware Co.
NEENAH—Krueger, Wm. & Co.
Stroebel, J. F.
OSHKOSH—Krippene Hardware Co.
Leach, Frank Hardware Co.
Tank & Tieman
Terwedo, L. R.
PORTAGE—Schulze Hardware Co.
RACINE—Dixon, John, & Son Co.
REEDSBURG—Siefert, Aug., Hardware Co.
RICHLAND— CENTER—Lamberson, Ward
Strang, G. H., Hardware Co.
SHEBOYGAN—Geele, F. Hardware Co.
Miller Hardware Co.
SUPERIOR—Arnold & Schimmel
Bingham Hdw. Co.
Carlson Bros.
Holmes, E. A. & Bro. Co.
WATERTOWN—Kusel, D. & F. Co.
Pritzlaff, W. G. & Co.
WASHBURN—Ungrodt, B.

WYOMING.

BUFFALO—Astell, Geo. T.

Corrugated Arches

(See Awnings, Corrugated Iron & Steel)

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Corrugated Elbows

(See also Stove Pipe & Elbow Manufacturers)

Corrugated Elbow Co., 114 E Liberty, Cincinnati, O.

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)

Lamb & Ritchie, Cambridgeport, Mass.

MILWAUKEE CORRUGATING CO. Milwaukee, Wis. (See adv. index & branch offices, end of book)

New England Steel Roofing Co. Worcester, Mass.

Corrugated Iron & Steel

(See Iron & Steel, Corrugated Manufacturers)

Corundum Mfrs.

(See Emery & Corundum Manufacturers)

Cots (Army, Etc.)

Gold Medal Camp Furniture Mfg. Co., Racine, Wis.

Himebaugh Bros., Jamestown, N. Y.

SUN MFG. CO. (Brown Duck, Wood & Steel Frame), Columbus, O. (See adv. index, end of book)

*Cots (Folding)

SUN MFG. CO., Columbus, O. (See adv. index, end of book)

Cotters (Cellar Box)

Jenckes, E. Mfg. Co., Pawtucket, R. I.

Smith, F. P. & Co., Sharon Hill, Pa.

Cotters (Spring)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.

Brooks, M. S. & Sons (Brass or Steel Cotters & Flat Spring or Riveted Keys), Chester, Conn.

Cincinnati Screw & Tap Co., Twightwee, O.

Cobb & Drew (Steel only), Plymouth, Mass., & Rock Falls, Ill.

Hindley Mfg. Co. ("Columbia," Steel, Brass & Copper Cotters & Flat Steel Spring & Flat Riveted Keys), Valley Falls, R. I.

Hollinger Fence Co. (Steel), Greenville, O.

Jenckes, E. Mfg. Co. (Iron & Brass Cotters & Flat Spring Keys), Pawtucket, R. I.

National Screw & Tack Co. (Iron & Brass), Cleveland, O.

Pickering, R. S. (Brass & Steel Cotters & Steel Flat Spring & Riveted Keys), Sharon Hill, Pa.

Smith, F. P. & Co. (Steel, Brass & Copper Cotters & Flat Spring & Flat Riveted Keys), Sharon Hill, Pa.

WHITMAN & BARNES MFG. CO. (Brass, Steel & Copper), Chicago, Ill., & Akron, Ohio (See adv. index & branch offices, end of book)

Wire Goods Co. (Iron & Brass), Worcester, Mass.

Cotton (Calking & Gun)

Estes Mills (Inc.), Fall River, Mass.

Cotton Compresses

Bierce, Wm. W. (Ltd.) ("Bierce 20th Century" Hydraulic), Hennen bldg, New Orleans, La.

Dickson Car Wheel Co., Houston, Tex.

Pusey & Jones Co., Wilmington, Del.

Reading Iron Co., Reading, Pa.

Webb Press Co., Minden, La.

Cotton Duck & Canvas

Anchor Duck Mills (Wide Duck), Rome, Ga.

Ashland Mfg. Co., Dickeyville, Md.

Baker, Carver & Morrell, 75 Front, New York

Boston Duck Co., Bondsville, Mass.

Boyle, John & Co., 112 Duane, New York

CARPENTER, GEO. B. & CO., 202 S. Water, Chicago, Ill. (See adv. index, end of book)

Consolidated Cotton Duck Co. (Duck for Belting, Hose, Sails, etc.; also Awning Stripes & Canvas for Wagon Covers, Tarpaulins etc.), Continental Trust bldg, Baltimore, Md.

Dallas Cotton Mills, Dallas, Tex.

De Grauw, Aymar & Co., 34 South, New York

Dickey, W. J., & Sons, Oella, Md.

Falls Co. (Ticks, Awnings, Ducks, etc.), Norwich, Conn.

Fitchburg Duck Mills (Belting & Hose Duck), Fitchburg, Mass.

Gary, J. S. & Sons (Awning Stripes, etc.), Alberton, Md.

Hoffman-Corr Mfg. Co., 55 White, New York

Hogansville Mfg. Co., Hogansville, Ga.

Lane, J. H. & Co., 110 Worth, New York

Lawrence Duck Co., Lawrence, Mass.

Lowell Weaving Co. (Fine Sail Cloth Ducks), Lowell, Mass.

Princeton Mfg. Co., Athens, Ga.

Savage Mfg. Co., Savage, Md.

Shetucket Co., Norwich, Conn.

Thorndike Co. (Awning Stripes, etc.), Thorndike, Mass.

Turner, J. Spencer Co. (Rep. U. S. Cotton Duck Corpn.), 86 Worth, New York

Upson-Watson Co. (Wholesale), Cleveland, O.

WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Warren Mfg. Co., Warren, Md.

Wellington, Sears & Co. (Ducks for Belting, Hose, Sails, Harvesters, etc.; also Awning Stripes, Canvas for Wagon Tops, etc., & Bunting), 202 Devonshire, Boston, Mass., & 96 Worth, New York

Williams Duck Mills, Moodus, Conn.

Cotton Gins

(See Cotton Ginning Machinery)

Cotton Softeners

(See Textile Machinery, Supplies, Etc.)

*Counter Balance Stairs (New, Only One in World)

HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)

Counterbores

American Die & Tool Co., Reading, Pa.

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)

Clough, R. M. (for Round Head Cap Screws, etc.), Tolland, Conn

MORSE TWIST DRILL & MACHINE Co. (Solid, Adjustable & Interchangeable Blades & Guides), New Bedford, Mass. (See adv. index, end of book)

National Twist Drill & Tool Co. ("National," Solid), Detroit, Mich

Reading Machine & Tool Co. (Adjustable & Facing Bars), Reading, Pa.

Slocomb, J. T. Co., Providence, R. I.

STARRETT, L. S. CO., Athol, Mass. (See adv. index, end of book)

Waltham Watch Tool Co., Springfield, Mass.

*Counter Railings

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)

Counters (Marble Top)

Bishop & Babcock Co., 49th & Hamilton av, Cleveland, O.

Counters (Pole)

Benton, Mfg. Co., 5 Bethune, New York

International Register Co., 124 W Jackson boul, Chicago, Ill

New York Standard Watch Co., Jersey City, N. J.

Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.

Counters (Revolution)

(See Indicators, Speed)

*Counters (Wood, Metal & Marble)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)

Countershafts

Almond, T. R. Mfg. Co. ("Almond" Right Angle Quarter Turn), Ashburnham, Mass.

Baird Machine Co., Oakville, Conn.

Bardons & Oliver (Double Friction), 1133 W 9th, Cleveland, O.

Bates Machine Co., Joliet, Ill.

Brown & Sharpe Mfg. Co., Providence, R. I.

Buffalo Forge Co., Buffalo, N. Y.

Builders' Iron Foundry, Providence, R. I.

Challenge Machine Co., 5116 Springfield av, Clisbe Bros. Mfg. Co., Plymouth, Ind. Phila.

Cresson, Geo. V., Co., Allegheny av W. of 17th, Phila., Pa.

Diamond Machine Co., Providence, R. I.

Dodge Mfg. Co., Mishawaka, Ind.

Elgin Tool Works ("Elgin" for Precision Tools), Elgin, Ill.

Frick Co., Waynesboro, Pa.

Fulton Machine Co. (Self-Oiling), Canal Fulton, O.

Garvin Machine Co., 137 Varick, New York

Goodell-Pratt Co., Greenfield, Mass.

Hickok, W. O. Mfg. Co., Harrisburg, Pa.

Ideal Machine Works ("Ideal," Operated by Gravity), 253 39th, Brooklyn, N. Y.

Lane Mfg. Co., Montpelier, Vt.

Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, O.

Manning, Maxwell & Moore, 85, 87 & 89 Liberty, New York

Moseley Lathe Co. ("Moseley"), Elgin, Ill.

Mossberg Wrench Co. ("Slim-Pull"), Central Falls, R. I.

National Machine Tool Co., 208 Lawrence, Cincinnati, O.

Oesterlein Machine Co. (Friction Clutch), 2850 Spring Grove av, Cincinnati, O.

Owen Machine Tool Co., Springfield, O.

Quint, A. D., Hartford, Conn.

Reeves Pulley Co., Columbus, Ind.

Rotary File & Machine Co. ("S. & S."), 589 Kent av, Brooklyn, N. Y.

Smith Countershaft Co. (One Belt Reversing for Machine Tools), 141 Milk, Boston, Mass.

Speed Changing Pulley Co. (Variable Speed), Anderson, Ind.

Stearns, E. C. & Co. ("Clarks," "Wheelers"), Syracuse, N. Y.

Sterling Emery Wheel Mfg. Co., Tiffin, O.

Sturtevant, B. F. Co. (For Fans), Hyde Park, Mass.

Variable Speed Clutch Co. (Variable Speed), Milwaukee, Wis.

Waltham Watch Tool Co., Springfield, Mass.

Warner & Swasey Co. (Friction), 5800 Carnegie, S. E., Cleveland, O.

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Wiley & Russell Mfg. Co., Greenfield, Mass.

Wilmarth & Morman Co. (Wilmarth Friction), Grand Rapids, Mich.

YOUNG MACHINE & TOOL CO., 211 Center, New York & Worcester, Mass. (See adv. index, end of book)

Countershafts (Variable Speed)

EVANS FRICTION CONE CO., 1288 Catleo, Newton Center, Mass. (See adv. index, end of book)

Holmes, E. & B. Machinery Co., Buffalo, N. Y.

Owen Machine Tool Co., Springfield, O.

PATTERSON, GOTTFRIED & HUNTER. (Ltd.), 211 Center, New York

Speed Changing Pulley Co., Anderson, Ind.

Variable Speed Clutch Co., Milwaukee, Wis.

Countersinks

American Die & Tool Co., Reading, Pa.

Billings & Spencer (Drop Forged), Hartford, Conn.

Braunsdorf-Mueller Co., Elizabeth, N. J.

Buck Bros. (Flat, Rose & Snail), Millbury, Mass.

Buck, Chas., Millbury, Mass.

Butterfield & Co., Derby Line, Vt.

Cincinnati Tool Co. ("Hargrave's Adjustable"), Waverly av & C., L. & N. R'y, Cincinnati, O.

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)

Deuse, J. S. (Wood & Iron), Chester, Conn.

Goodell-Pratt Co., Greenfield, Mass.

Humphreysville Mg. Co., Seymour, Conn.

Hunter, J. B., & Co. ("Henry" for Wood & Metal), 60 Summer, Boston, Mass.

Jennings, C. E. & Co., 42 Murray, New York; Works, Chester, Conn.

Johnson, Wm., (Hedenberg Works), Newark, N. J.

Mayhew, H. H. Co., Shelburne Falls, Mass.

MORSE TWIST DRILL & MACHINE Co. (Bit Stock & Combined Drills & Countersinks), New Bedford, Mass. (See adv. index, end of book)

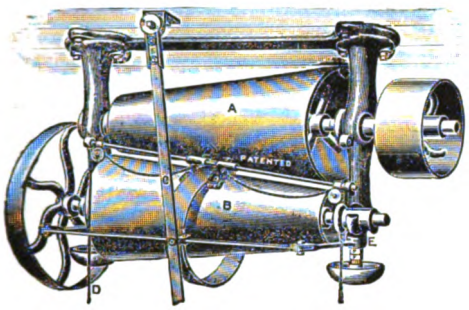
National Twist Drill & Tool Co. ("National" Bit Stock), Detroit, Mich.

Polk, A. J. & Son (For Drilling Machines, etc.), Millersburg, Pa.

Smith, Otis A. (For Wood Workers), Rockfall, Snell Mfg. Co., Fiskdale, Mass. Conn.

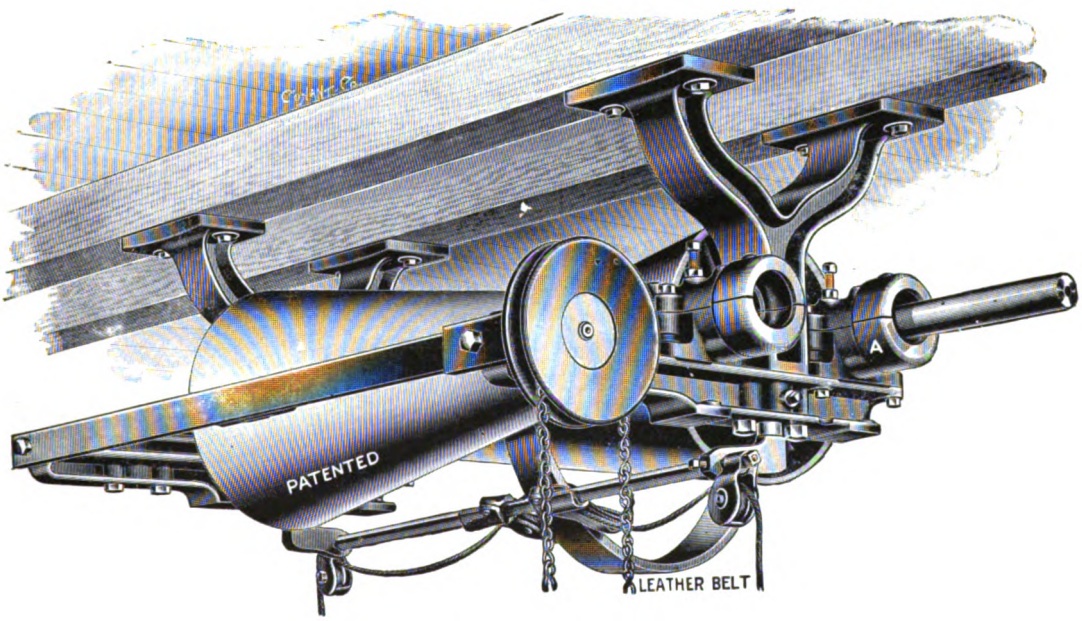
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VARIABLE SPEED COUNTERSHAFT

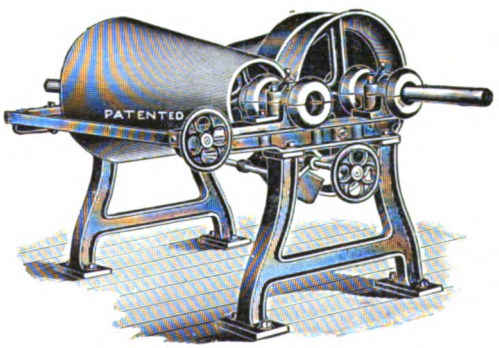


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THOUSANDS HAVE FOUND THAT THIS CAN BE DONE BY USING THE EVANS VARIABLE SPEED COUNTERSHAFT.——THEY CAN BE APPLIED TO ANY MACHINE WHERE VARIABLE SPEED IS NEEDED OR DESIRED, AND WILL VARY THE SPEED INSTANTLY, GRADUALLY AND QUIETLY, WITHOUT STOPPING THE MACHINE, BY SIMPLY PULLING A CORD.



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Hendricks' Commercial Register

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Standard Tool Co., Central av. & P. Ry., Cleveland, O.
Stanley Rule & Bevel Co., New Britain, Conn., & 107 Chambers, New York
STARRETT, L. S., CO. (Double Lip, etc.), Athol, Mass. (See adv. index, end of book)
Swan, Jas., Co., Seymour, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y.
Tuck Mfg. Co. (Rose, Flat), Brockton, Mass.
Vaughn & Bushnell Mfg. Co., 877 W Carroll av, Chicago, Ill.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

Countersinks & Center Drills (Combined)

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Detroit Twist Drill Co., Detroit, Mich.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co., Detroit, Mich.
Sloconib, J. T. Co., Providence, R. I.
Standard Tool Co., Cleveland, O.
WHITMAN & BARNES MFG CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Couplers (Car)

American Steel Foundries (Open Hearth Steel), Commercial Nat'l Bank bldg, Chicago, Ill., & 30 Church, New York
Automatic Car Coupler Co. ("Norwood-Bonney"), Los Angeles, Cal.
Automatic Steam & Air Coupler Co., Albany, N. Y.
Buckeye Steel Castings Co. ("Buckeye" & "Major"), Columbus, O.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Philadelphia, Pa.
Consolidated Car Heating Co. ("Sewell," etc.), 42 B'way, New York; Works: Albany, N. Y.
Dayton Malleable Iron Co., Dayton, O.
Erie Car Works, Erie, Pa.
Forsyth Automatic Air & Steam Coupler Co., The Rookery, Chicago, Ill
Gould Coupler Co. ("Gould") 345 5th av, New York
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Latrobe Steel & Coupler Co. ("Latrobe," "Chicago," All Steel), Old Colony bldg, Chicago, Ill.
McConway & Torley Co. ("Pitt," "Kelso" & "Janney," Made from Open Hearth Cast Steel), 48th & A. V. R'y, Pittsburg, Pa.
McGuire-Cummings Mfg. Co., 122 N Sangamon, Chicago, Ill.
Michigan Malleable Iron Co., Detroit, Mich.
Monarch Steel Casting Co. ("Monarch" Solid "Detroit" Couplers & Coupler Attachments), Detroit, Mich.
National Car Coupler Co. ("Hinson," "National" Freight, Passenger & Industrial Cars), Monadnock bldg., Chicago, Ill. Works, Attica, Ind.
National Malleable Castings Co. ("Tower," "Climax"), Cleveland, O.
National Steel Casting Co. (Open Hearth Steel), Montpelier, Ind.
New York Car Wheel Co., Buffalo, N. Y., & 11 B'way, New York
Ohio Brass Co. ("Tomlinson"), Mansfield, O.
Pennsylvania Malleable Co., Pittsburg, Pa.
Pratt & Letchworth Co. ("Pooley"), Buffalo, N. Y.
Pittsburg Steel Foundry, Pittsburg, Pa. Works, Glassport, Pa.
Railroad Supply Co., Bedford bldg, Chicago, Ill., & 30 Church, New York
RUSSEL WHEEL & FOUNDRY CO. (Cast Iron), Detroit, Mich. (See adv. index, end of book)
Scullin-Gallagher Iron & Steel Co. (Open Hearth Steel), St. Louis, Mo.
Simplex Railway Appliance Co. ("Simplex"), Commercial Bank bldg, Chicago, Ill.
St. Louis Car Co. ("Ilees"), St. Louis, Mo.
Standard Coupler Co. ("Latrobe," "Chicago," "Melrose"), 2 Rector, New York. Works, Bridgeport, Conn.
Sterling Foundry Co. ("Sterling Automatic"), Pittsburg, Pa.
Tennessee Coal, Iron & R. R. Co. (Basic Open Hearth Steel), Birmingham, Ala.
Trojan Car Coupler Co., Troy, N. Y.
Troy Malleable Iron Co. ("M. C. B."), Troy, N. Y.
Van Dorn, W. T. Co., 1076 S Paulina, Chicago, Ill.
Wallace Supply Co. ("S. & W."), 23 S Jefferson, Chicago, Ill.
Washburn Steel Casting & Coupler Co., Minneapolis, Minn
Wells, F. L. ("The California"), 110 S Clinton, Chicago, Ill
Westinghouse Air & Steam Coupler Co., 192 N B'way, St. Louis, Mo
Whiteley Malleable Castings Co. ("The Washburn," "Hein," "St. Louis," "Williams" & "Foster"), Muncie, Ind
Wilmington Malleable Iron Co., Wilmington Del.

*Couplers (Dog)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Couplers (Shaft & Pole)

Bradley, C. C. & Son, Syracuse, N. Y.
Catham, Chas. (Open Head), Beloit, Wis.
Eccles Richmond Co. (Ball Bearing), Auburn, N. Y
Empire State Shaft Coupling Co., Utica, N. Y.
Evans, Coppins & Starks Co. (Shaft) Princeton, Ill.
Fernald Mfg. Co., North East, Pa.
Jerseyville Novelty Works ("McNair's"), Jerseyville, Ill.
Morrell, Osgood, Amesbury, Mass.
Mulholand Co., Dunkirk, N. Y.
Queen City Forging Co., Cincinnati, O.

Couplings (Air Hose)

(See Pneumatic Hose Couplings)

*Couplings (Angle)

BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)

Couplings (Bell Cord)

(See also Bell Cords & Couplers)

Creamer, W. G., & Co., 96 John, New York
Handlan-Buck Mfg. Co. (The Shelby), 212 N 3d, St. Louis, Mo.
Smith & Wallace (Register Cord for Street Railways), Woburn, Mass.
Sterling-Meaker Co. ("Triton"), Newark, N. J.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.

Couplings (Car Heater)

National Tube Co., Pittsburg, Pa.

Couplings (Circulating)

National Tube Co., Pittsburg, Pa.

Couplings (Boiler & Water Back)

Burlington Brass Works, Burlington, Wis.
Campbell, J. B. Brass Works, Erie, Pa.
Clum & Atkinson, Rochester, N. Y.
Elkhart Brass Mfg. Co. (Brass), Elkhart, Ind.
Exeter Brass Works, Exeter, N. H.
Grabler Mfg. Co. (With Union), Cleveland, O.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis
Lawler Regulator Co. ("Lawler's" Protector), 473 B'way, New York
Mueller, H., Mfg. Co., Decatur, Ill.
National Tube Co. ("Kewanee Iron & Brass"), Pittsburg, Pa.
Nunn Brass Works (Inc.), Rochester, N. Y.
Spence Mfg. Co., 279 Park, Milwaukee, Wis.
Trenton Brass & Machine Co. ("Trenton," "Paragon"), Trenton, N. J.

Couplings (Clamp)

American Tool & Machine Co., 109 Beach, Boston, Mass.
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Cresson, Geo. V. Co. (Internal, etc.), 18th & Allegheny av, Phila., Pa.
Dodge Mfg. Co. ("The Grim Death"), Mishawaka, Ind.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Valley Iron Works, Williamsport, Pa.

Couplings (Closet)

Hydraulic Specialty Co. ("Universal"), 427 Walnut, Philadelphia, Pa
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Park & McKay Co., Detroit, Mich.
Republic Rubber Co., Youngstown, O.
Salem Brass & Iron Mfg. Co. (Rubber), Salem, N. J.

Couplings (Clutch)

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Buhl Malleable Co., Wight & Adair, Detroit, Mich.
Chain Belt Co. (Spiral Square, etc.), Milwaukee, Wis.
Cresson, Geo. V., Co., Allegheny av W. of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Frick Co., Waynesboro, Pa.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), Huntsville, Ala.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Medart Patent Pulley Co., 3580 De Kalb av, St. Louis, Mo.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Standard Gauge Steel Co., Beaver Falls, Pa.

Couplings (Compression)

BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Chain Belt Co., ("C. B. Co.") Milwaukee, Wis.
Davis, W. P. Machine Co. (For Line Shafting), Rochester, N. Y.
Dodge Mfg. Co., Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Forster Pulley Works ("Estes" Shaft), Cuba, N. Y.
Garland, M. Co., Bay City, Mich.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), Huntsville, Ala.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co. ("Collins"), Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nicholson, W. H. & Co. (Shaft), Wilkes-Barre, Pa.
PATTERSON, GOTTFRIED & HUNTER, Ltd., 211 Center, New York
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Baltimore, Md.
Shaw Coupling Co., Syracuse, N. Y.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)
Stuart, R. J. & T. H. (Wedge), New Hamburg, N. Y.
Thomas-Fordyce Mfg. Co., Little Rock, Ark.
Valley Iron Works, Williamsport, Pa.
Woods's, T. B. Sons Co., Chambersburg, Pa.

Couplings (Conduit)

American Circular Loom Co., Chelsea, Mass.
Bonnell, W. A., 132 Church, New York
Burns, Jas. F., 47 N Hutchinson, Phila., Pa.
Chase-Shawmut Co. ("Chase" Nipples & Flexible Conduit Couplings), Newburyport, Mass.
Enameled Metals Co., Etna, Pa.
Fairmount Elec. Mfg. Co. ("Bondhicks"), 714 N 24th, Phila., Pa.
Grabler Mfg. Co. (Fixture Studs), Cleveland, Ohio
Gwilliam Supply Co., 1339 Ridge av, Phila., Pa.
National Metal Molding Co., Pittsburg, Pa.
Safety Armorite Conduit Co., Pittsburg, Pa.
Sprague Electric Co., 527 W 34th, New York
Thomas & Betts Co., 209 B'way, New York
Wallace Supply Co. ("Bondon" Steel Spring Lath), 23 S Jefferson, Chicago, Ill.
Western Electric Co., 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York

Couplings (Conduit Rod)

(See Rods, Conduit Wiring & Cleaning)

Couplings (Cut-Off)

ALLIS-CHALMERS CO. ("A. C." Friction Clutch), Milwaukee, Wis. (See adv. index & branch offices, end of book)

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Nuttall
Flexible Cushion Coupling

Simple, strong, easy to put in place, and no delicate parts to get out of order or cause trouble.

R. D. Nuttall Company—Pittsburg, Pa.



Brightman Mfg. Co. (Friction Clutch), Shelby, Ohio
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Carruthers-Fithian Clutch Co., Grove City, Pa.
Cowanesque Valley Iron Works ("Riepell's" Friction Clutch), Cowanesque, Pa.
Cresson, Geo. V., Co., Allegheny av W. of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Erie Clutch & Pulley Co., Erie, Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, O., & 208 Fulton, New York
Friction Pulley & Machine Works, Sandy Hill, N. Y.
Hess-Snyder Co., Massillon, O.
Jones, W. A., Foundry & Machine Co., 148 North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Minster Machine Co., Minster, O.
Moore & White Co., 15th & Lehigh av, Philadelphia, Pa.
PATTERSON, GOTTFRIED & HUNTER, (Ltd.), 211 Center, New York
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.

Couplings (Drill Rod)

National Tube Co., Pittsburg, Pa.

Couplings (Expansion)

Elkhart Brass Mfg. Co. (Expansion Ring), Elkhart, Ind.
Ohio Pump & Brass Co. (Expansion Rod), 18th & Oak, Columbus, O.

Couplings (Flange)

American Tool & Machine Co., 109 Beach, Boston, Mass.
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Chain Belt Co. (Flanged Face), Milwaukee, Wis.
Cumberland Steel Co., Cumberland, Md.
Dodge Mfg. Co., Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Huntsville Foundry & Machine Co., Huntsville, Ala.
Jefferson Union Co., Lexington, Mass.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nicholson, W. H. & Co., (Compression), Wilkes-Barre, Pa.
Pittsburg Steel Shafting Co., Park bldg., Pittsburg, Pa. Works, Rankin, Pa.
Plamondon, A. Mfg. Co., 57 S. Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Baltimore.
Valley Iron Works, Williamsport, Pa. Md.

Couplings (Flexible)

Boston Gear Works (Crucible Steel), Norfolk Downs, Mass.
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Cresson, Geo. V., Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O. (See adv. index & branch offices, end of book)

*Couplings (Flexible Cushion)

NUTTALL, R. D. CO. ("Nuttall"), Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)

Couplings (Friction Clutch)

Blakeslee Mfg. Co. (Automatic), Birmingham, Ala.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brightman Mfg. Co. (Cut-off), Shelby, O.
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Cowanesque Valley Iron Works ("Riepell's" Cut-off), Cowanesque, Pa.
Cresson, Geo. V., Co., Allegheny av W. of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Erie Clutch & Pulley Co., Erie, Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co., ft. 58th, N. W., Cleveland, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Medart Patent Pulley Co., St. Louis, Mo.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Oesterlein Machine Co., 2850 Spring Grove av, Cincinnati, O.
PATTERSON, GOTTFRIED & HUNTER, (Ltd.), 211 Center, New York
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Baltimore, Md.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Woods's, T. B. Sons Co., Chambersburg, Pa.

Couplings (Hose)

Acme Brass Works, 147 Baxter, New York
Allen Fire Department Supply Co., Providence, R. I.
Allen, W. D. Mfg. Co. (Plain & Automatic), 151 Lake, Chicago, Ill.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bastian, C. L. Mfg. Co. (Fire Hose), 76 Illinois, Chicago, Ill.
Boston Coupling Co. (Fire Hose), 156 Pearl, Boston, Mass.

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Buckley-Hart Mfg. Co., 527 Franklin, Detroit, Mich.
Callahan, C. Co., Boston, Mass.
Cassady-Fairbank Mfg. Co. ("Samson"), 6106 La Salle, Chicago, Ill.
CHICAGO CAR HEATING CO., Railway Exchange bldg., Chicago, Ill., & 170 B'way, New York. (See adv. index, end of book)
Clark, W. J. Co. ("Quick-as-Wink"), Salem, O.
Clay, Jno. H. ("Clay-Jones" Fire Hose), 1320 Ridge av., Phila., Pa.
Columbus Pneumatic Tool Co., Columbus, O.
Combination Ladder Co. ("McIntyre"), Providence, R. I.
Compressed Air Machinery Co. ("Reardon"), Jessie & Ecker, San Francisco, Cal.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co., Belleville, N. J.
Edison Mfg. Co., 257 Atlantic av., Boston, Mass.
Elkhart Brass Mfg. Co. (Also Suction Hose), Elkhart, Ind.
Fabric Fire Hose Co., Duane & Church, New York
Findlay, A. W., Co. ("Time Saving"), 23d & Market, Phila., Pa.
Gunnell Machine Co., Manitowoc, Wis.
Handlan-Buck Mfg. Co. ("Lightning," for Compound Air), 212 N 3d. St. Louis, Mo.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
James Mfg. Co. ("Klingtite") Denver, Col.
Libby Valve & Packing Co., Niantic, Conn.
Lupper, Wendel (Brewers), 216 Locust, St. Louis, Mo.
Nelson & Morrison Mfg. Co. ("Snap"), Peoria, Ill.
Neumeyer, H. F. ("Never Slip"), Macungie, Pa.
Pioneer Brass Works ("Rice" Expansion Ring), Indianapolis, Ind.
Quincy-Manchester-Sargent Co., Plainfield, N. J.
Sherman, H. R. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (Brewers, etc., also for Steam Hose), Milwaukee, Wis.
Universal Coupler Co., 955 Matin, Cincinnati, Ohio
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Waterbury Brass Goods Corporation (Wrought Brass), Waterbury, Conn.
Waterbury Rubber Mfg. Co., 75 Warren, New York
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wilmington Brass Co. ("Lally"), Wilmington, Del.
Woodhouse Mfg. Co. (Fire Hose), 50 W B'way, New York

Couplings (Hydraulic Pipe Line)

Caskey Valve Co., 99 John, New York

*Couplings (Insulated)

BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)

Couplings (Lead Flange)

Mueller, H. Mfg. Co., Decatur, Ill.
Ohio Pump & Brass Co. (Also Iron Flange) 18th & Oak, Columbus, O.

Couplings (Lead Pipe)

Anderson Coupling Co. ("Anderson"), Portland, Conn.
Fostoria Novelty Co., Fostoria, O.
Kidder, D. & Son, North Groton, N. H.

Couplings (Pipe)

Belknap Mfg. Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Custer Coupler Co., Bradford, Pa.
Cuyler & Mohler, 611 William, Baltimore, Md.
Dart, E. M. Mfg. Co., Providence, R. I.
Dayton Pipe Coupling Co. ("Collerleak," All Steel), Dayton, O.
Dresser, S. R. Mfg. Co. ("Dresser"), Bradford, Pa
Elkhart Brass Mfg. Co. (Steam & Water, Brass), Elkhart, Ind
Grabler Mfg. Co. (Wrought Iron), Cleveland, O
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
General Fire Extinguisher Co., Providence, R. I.
Kelly & Jones Co. ("Kelly" 135 Water, Pittsburg, Pa.
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Modern Iron Works (For Lead or Iron Pipe), Quincy, Ill.
Mueller, H. Mfg. Co., Decatur, Ill.
New Haven Novelty Machine Co., New Haven, Conn.
Star Coupler Co. ("Star" Solderless), 612 S. 4th. St. Louis, Mo.
Strater, Herman & Sons, 74 Sudbury, Boston.
Vulcan Iron Works, Seattle, Wash. Mass.

Couplings (Pneumatic Hose)

(See Pneumatic Hose Couplings)

Couplings (Railroad Emergency)

Quincy, Manchester, Sargent Co. ("Gilman-Brown"), Plainfield, N. J.

Couplings (Reducing Punch)

Lovejoy Tool Works ("Lovejoy"), 86 E Ohio, Chicago, Ill.

Couplings (Shaft)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Almond, T. R. Mfg. Co. (Angular or Quarter Turn Countershaft), Ashburnham, Mass.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Barnard & Leas Mfg. Co., Moline, Ill.
Blakeslee Mfg. Co., Birmingham, Ala.
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Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Chickasaw Iron Works, Memphis, Tenn.
Cresson, Geo. V., Co., Allegheny av W. of 17th, Phila., Pa.
Davis, W. P. Machine Co., Rochester, N. Y.
Dodge Mfg. Co., Mishawaka, Ind.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.
Forster Pulley Works ("Estes" Compression), Cuba, N. Y.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Franklin Machine Co., Providence, R. I.
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.
Holyoke Machine Co., Holyoke, Mass.
Hunter, James Machine Co., North Adams, Mass., & 70 Kilby, Boston, Mass.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), (Compression, Flange, Clutch, etc.), Huntsville, Ala.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Cincinnati, O.
Lombard Iron Works & Supply Co., Augusta, Ga.
Medart Patent Pulley Co., 3500 De Kalb av, St. Louis, Mo.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
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PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engin'g & Machine Co., Baltimore, Md.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)
Stuart, R. J., New Hamburg, N. Y.
Thomas Coupling Co., Warren, Pa.
Thomas Mfg. Co., Little Rock, Ark.
Union Forging Co. (Straight Bar), Union, N.Y
Witte Iron Works Co., Kansas City, Mo.

Couplings (Sucker Rod)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Rumsey & Co. (Ltd.), (Wrought Forged), Seneca Falls, N. Y.

*Couplings (Swivel)

LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Couplings (Water Back)

(See Couplings, Boiler & Water Back)

*Covering or Casing (Steam Pipe)

WYCKOFF, A. & SON CO. ("Wyckoff" Waterproof), Elmira, N. Y. (See adv. index, end of book)

Covers (Battery Jar)

American Hard Rubber Co., 11 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Consumers Rubber Co. ("Euclid"), Cleveland, Ohio
Dickinson Mfg. Co., Springfield, Mass.
Duranoid Mfg. Co., 28 Prospect, Newark, N. J.
Electrose Mfg. Co., 127 N 10th, Brooklyn, N. Y.
Stokes, Jos. Rubber Co., Trenton N. J.

Covers (Catch Basin)

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Carpenter & Browning ("X. L. C. R." Cement), 40th av & Taylor, Chicago, Ill.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co. ("Acme"), 935 Addison rd, N E, Cleveland, O.
Nazareth Foundry & Machine Co., Nazareth, Pa.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Sturtevant, B. F. Co., Hyde Park, Mass.
Vancamp Foundry & Machine Works, Decatur, Ind.
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Walter, W. B. & Co., Marquette bldg., Chicago, Ill.

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Erie Stamping & Mfg. Co. (Pressed Steel), Erie, Pa.
Glauber Brass Mfg. Co. (Nickel Plated), Cleveland, O.

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Hamilton, E. A. & Co. ("Cantslip"), Grand Rapids, Mich.

Crabs (Hoisting)

AMERICAN HOIST & DERRICK CO. (Single & Double Drum), St. Paul, Minn. (See adv. index & branch offices, end of book)
BROWN HOISTING MACHINERY CO., 4408 St. Clair, N E, Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)
Byers, John F. Machine Co., Ravenna, O.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO. (Windmill, etc.), Wabash av & Eldridge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Helmick Foundry & Machine Co., Fairmont, W. Va.
McKeown, H. J., 248 Butler, Cincinnati, O.

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Round, D. & Son, 7625 B'way S E, Cleveland, Ohio
Urie-Snyder Iron Works Co., Kansas City, Mo.
Yale & Towne Mfg. Co., 9 Murray, New York

Crabs (Pole)

Round, D. & Son, Cleveland, O.
Woodruff, Walter W. & Sons Co., Mount Carmel, Conn.

Crackers (Nut)

(See Nut Crackers & Picks)

Cradles (Grain)

Brown, Hinman & Huntingdon Co., Memphis, Tenn.
Iowa Farming Tool Co., Fort Madison, Ia.
McGuire, B. C. J., Wilmore, Pa.
Spear, W. D., Conewango, N. Y.

Crane Controllers (Electric)

American Electric Fuse Co. ("Allen-Bradley"), Muskegon, Mich.
Automatic Switch Co., 131 Liberty, New York
CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. CO. (Reversing, for Electric Cranes, Hoists, Co., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
WESTINGHOUSE ELECTRIC & MF'G. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Crane Runways

Yale & Towne Mfg. Co., 9 Murray, New York

Cranes

(For Various Kinds of Cranes See Sub-classications following)

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American Machine & Mfg. Co., Cleveland, O.
Batcheller, Clark & Batcheller, 2140 N 10th, Brooklyn, N. Y.
Box, Alfred & Co., 813 N Front, Phila., Pa.
BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)
Browning Engineering Co., Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
Calumet Engineering Works, Harvey, Ill.
Case Crane Co., St. Clair & Curtis avs., Columbus, O.
Chambersburg Eng. Co., Chambersburg, Pa.
Christiana Machine Co., Christiana, Pa.
CLEVELAND CRANE & ENGINEERING Co., Cleveland O. (See adv. index, end of book)
Currier, Cyrus & Sons, Newark, N. J.
Curtis & Co. Mfg. Co. (Air), St. Louis, Mo.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Dodge, J. M. Co. (Locomotive, Stationary & Revolving), Nicetown, Philadelphia, Pa.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Gregg Co. (Ltd.), Newburgh, N. Y.
Harrington, Edw. Son & Co., 17th & Callowhill, Philadelphia, Pa.
Industrial Works, Bay City, Mich.
Interstate Engineering Co., Bedford, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lane Mfg. Co. ("Anderson" Rope Driven Traveling), Montpelier, Vt
Lewis Foundry & Machine Co. (Hydraulic, Steam & Hand), Coraopolis, Pa.
Lincoln Iron Works, Rutland, Vt.
Mackintosh-Hemphill & Co. (Ltd.), ft 12th st. Pittsburg, Pa
McMyler Mfg. Co., 1799 Columbus rd Cleveland, O. Works, Warren, O.
Manning, Maxwell & Moore ("The Shaw"), 85 Liberty, New York
Maris Bros., 56th & Gray's av., Phila., Pa.
Modern Steel Structural Co., Milwaukee, Wis.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
NORTHERN ENGINEERING WORKS, ("Northern"), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Pawling & Harnischfeger, 38th & National avs. Milwaukee, Wis.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
Ridgway, Craig & Son Co., Coatesville, Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa
Sellers, Wm. & Co. (Inc.), 1600 Hamilton Phila., Pa
Shaw Electric Crane Co., Muskegon, Mich., & 85 Liberty, New York
Shriver, T. & Co., Harrison, N. J.
Smith, Whitcomb & Cook Co., Barre, Vt.
SPEIDEL, J. G., Reading, Pa. (See adv. index, end of book)
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburg, Pa
Vulcan Iron Works (Dock), 5 La Grange, Toledo, O
Wellman-Seaver-Morgan Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
WILLIAMS, G. H. CO., 1513 Rockefeller bldg, Cleveland, O. (See adv. index end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa
Yale & Towne Mfg. Co., 9 Murray, New York

Cranes (Air)

(See Cranes, Pneumatic)

Cranes (Automobile, Portable)

Nicholls, Wm. S., 253 B'way, New York

Cranes (Bridge)

Yale & Towne Mfg. Co. (Hand Power), 9 Murray, New York

Cranes (Cantilever)

BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)
Case Crane Co., St. Clair & Curtis avs., Columbus, O.
CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
Interstate Engineering Co., Bedford, O.
McMyler Mfg. Co., 1799 Columbus rd. Cleveland, O. Works: Warren, O.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Wellman-Seaver-Morgan Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Cranes (Charging & Drawing)

Alliance Machine Co., Alliance, O.
Calumet Engineering Works, Harvey, Ill.
Case Crane Co., St. Clair & Curtis avs., Columbus, O.
CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Pawling & Harnischfeger, Milwaukee, Wis.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburg, Pa.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

*Cranes (Charging & Truing)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)

*Cranes (Concentric Traveling)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

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*Cranes (Derrick)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Cranes (Dock)

BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

McMyler Mfg. Co., 1799 Columbus rd., Cleveland, O. Works: Warren, O.

Nicholls, Wm. S. (Portable), 253 B'way, New York

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Cranes (Electric Locomotive)

Alliance Machine Co., Alliance, O.

BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)

Browning Engineering Co., Cleveland, O.

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)

Industrial Works, Bay City, Mich.

McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works: Warren, O.

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Cranes (Electric Traveling)

Alliance Machine Co. (Also Electric Jib), Alliance, O.

American Machine & Mfg. Co., Cleveland, O.

Batcheller, Clark & Batcheller, 240 N 10th, Brooklyn, N. Y.

Box, Alfred & Co., 813 N Front, Phila., Pa.

BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)

Calumet Engineering Works, Harvey, Ill.

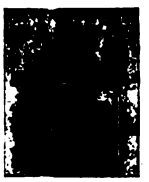
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Chambersburg Engineering Co., Chambersburg, Pa.

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G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)

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HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Johnston & Jennings Co., Cleveland, O.

McMyler Mfg. Co., 1799 Columbus rd., Cleveland, O. Works: Warren, O.

Manning, Maxwell & Moore, 85 Liberty, New York

Maris Bros., 56th & Gray's Ferry rd, Phila., Pa.

Modern Steel Structural Co., Waukesha, Wis.

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Niles-Bement-Pond Co., 111 B'way, New York

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Pawling & Harnischfeger, Milwaukee, Wis.

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Shaw Electric Crane Co., Muskegon, Mich., & 85 Liberty, New York

Shepard Electric Crane & Hoist Co. ("Shepard"), Montour Falls, N. Y., & 149 B'way, New York

Shriver, T. & Co., Harrison, N. J.

Smith, Whitcomb & Cook Co., Barre, Vt.

Stamp, C. E. & Co., Cleveland, O.

Wellman-Seaver-Morgan Co., Cleveland, O.

Whitcomb Bros. (Hand), Barre, Vt.

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Yale & Towne Mfg. Co., 9 Murray, New York

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American Machine & Mfg. Co. (Steam), Cleveland, O.

Case Crane Co., St. Clair & Curtis avs., Columbus, O.

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MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

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CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)

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Interstate Engineering Co., Bedford, O. Mo

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

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MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

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Wellman-Seaver-Morgan Co., Cleveland, O.

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Wood, R. D. (With Hydraulic Hoist & Electric Rotation), 400 Chestnut, Phila., Pa.

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Alliance Machine Co., Alliance, Ohio.

American Machine & Mfg. Co., Cleveland, O.

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Box, Alfred & Co. (Traveling), 813 N Front, Philadelphia, Pa.

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Byram & Co. (Inc.), Detroit, Mich.

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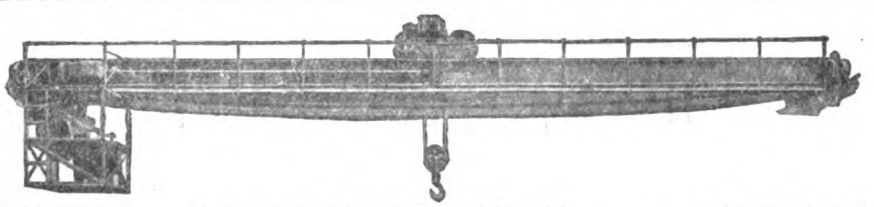
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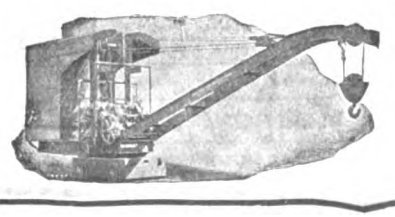
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Maris Bros., 56th & Gray's Ferry rd, Phila., Pa.
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Morgan Cons. Co. (Traveling), Worcester, Mass.
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Scaife Foundry & Machine Co. (Ltd.), Pittsburg, Pa.
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Shriver, T. & Co., Harrison, N. J.
SPEIDEL, JOHN G. (Hand Power Traveling), Reading, Pa. (See adv index, end of book)
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Morgan Construction Co., Worcester, Mass.
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Sellers, Wm. & Co. (Inc.), Phila., Pa.
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Curtis & Co. Mfg. Co. (Pneumatic), St. Louis, Mo.
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Interstate Engineering Co., Bedford, O.
Johnston & Jennings Co., Cleveland, O.
Jones & Laughlin Steel Co. (Small Jib Crane or Worm Hoist), Pittsburg, Pa.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Maris Bros., 56th & Gray's av, Phila., Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO (For Rolling Mills, etc.), Alliance, O. (See adv. index & branch offices, end of book)
NEW JERSEY FOUNDRY & MACHINE Co. (Walking, etc.), 90 West, New York
Niles-Bement-Pond Co., 111 B'way, New York
NORTHERN ENGINEERING WORKS (Electric, Hand & Pneumatic), Detroit, Mich. (See adv. index & branch offices, end of book)
Obenberger, John, Co. (Hand Power), Milwaukee, Wis.
Pawling & Harnischfeger (Electric & Hand), 38th & National avs., Milwaukee, Wis.
Quincy-Manchester-Sargent Co. ("Q. & C." Post & Hydro Pneumatic), Plainfield, N.J.
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Ridgway, Craig & Son Co., Coatesville, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Shaw Electric Crane Co., Muskegon, Mich., 85 Liberty, New York
Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.
United Engineering & Foundry Co., Farmers' Bank Bldg., Pittsburg, Pa.
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Whitehead & Kales Iron Works, Detroit, Michigan
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Yale & Towne Mfg. Co. (Hand Power), 9 Murray, New York

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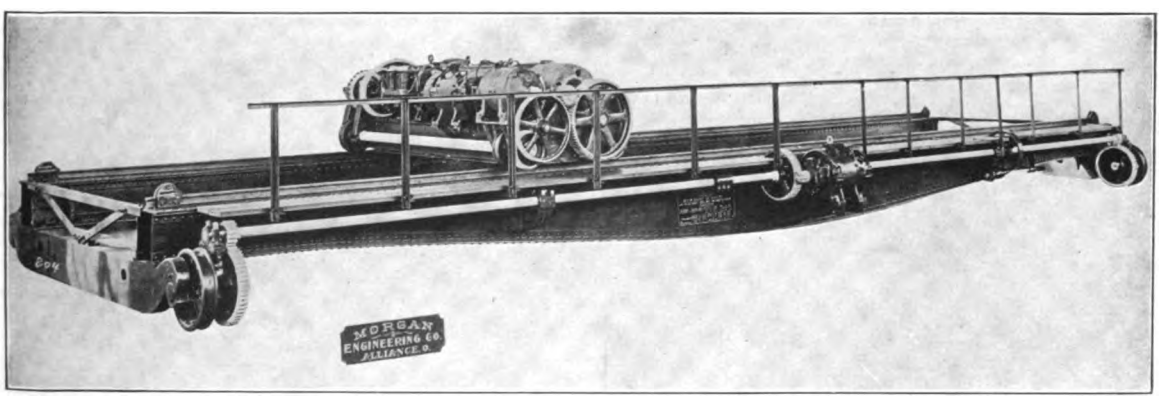
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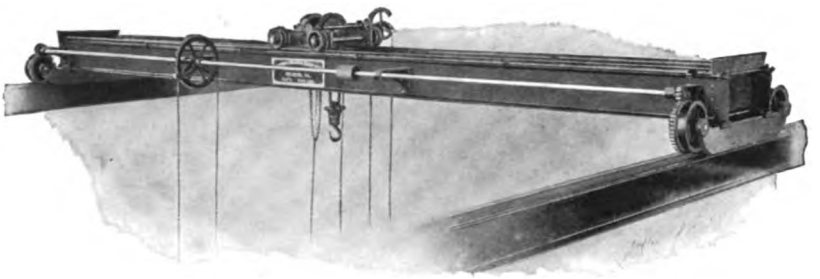
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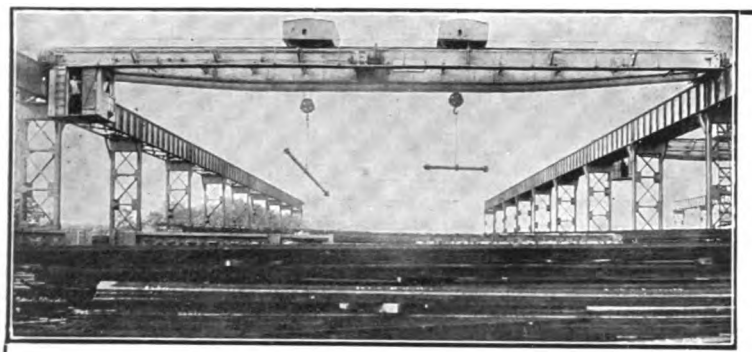
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HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
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Browning Engineering Co., Collinwood, Cleveland, O.
CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
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Fairbanks Steam Shovel Co., Marion, Ind.
Industrial Works (Electric & Steam), Bay City, Mich.
Interstate Engineering Co., Bedford, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W. 39th & Stewart av., Chicago, Ill., & 299 B'way, New York
McMyler Mfg. Co., 1799 Columbus road, Cleveland, O. Works, Warren, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md (See adv. index, end of book)
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Sellers, Wm. & Co. (Inc.) (Locomotive Jib Cranes for Dry Docks & Piers), 1600 Hamilton, Phila, Pa.
Variety Iron & Steel Works Co., Cleveland, O
Wellman-Seaver-Morgan Co., Cleveland, O.

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JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
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NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

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Sheffield Car Co., Three Rivers, Mich.
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LIDGERWOOD MFG. CO., 96 Liberty, New York. (See adv. index & branch offices, end of book)
Phoenix Mfg. Co. (Direct Acting Steam), Eau Claire, Wis.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

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Duke Engine Co., Grand Haven, Mich.
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HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hunt, C. W. Co., New Brighton, New York City
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Nicholls, Wm. S. (Roller Bearing Wheels, Capacity up to 6,000 lbs.), 253 B'way, New York
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Cranes (Railway)

(See Cranes, Wrecking)

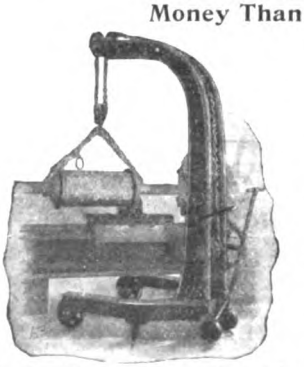
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NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
Shaw Electric Crane Co., Muskegon, Mich., & 85 Liberty, New York
Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Cranes (Traveling)

(See also Cranes, Electric Traveling)

American Machine & Mfg. Co., Cleveland, O.
Batcheller, Clark & Batcheller (Electric & Hand Power), 240 N 10th, Brooklyn, N. Y.
Broomell, Schmidt & Steacy Co., York, Pa.
Calumet Engineering Works (Electric), Harvey, Ill.
Case Crane Co., Columbus, O.
CHISHOLM & MOORE MFG. CO., (Hand Power), 49th & Lake, Cleveland, O. (See adv. index, end of book)
CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
Coburn Trolley Track Mfg. Co. (Hand Power), Holyoke, Mass.
DOBBIE FOUNDRY & MACHINE CO. (Hand Power), Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
G. & W. MFG. CO. (Hand & Power), 26 Cortlandt, New York. (See adv. index, end of book)
Harrington, Edwin Son & Co. (Hand), 17th & Callowhill, Philadelphia, Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoist Mfg. & Construction Co., 810 N 17th, Philadelphia, Pa.
Lane Mfg. Co. ("Anderson" Rope Driven), Montpelier, Vt.
Love Bros. (Inc.) (Hand & Power), Aurora, Ill.
Modern Steel Structural Co. (Electric), Waukesha, Wis.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO. (Electric), Alliance, O. (See adv. index & branch offices, end of book)
New Albany Mfg. Co. (Single Motor, Electric), New Albany, Ind.
NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
NORTHERN ENGINEERING WORKS (Electric & Hand), 9 Chene, Detroit, Mich (See adv. index & branch offices, end of book)
Pawling & Harnischfeger, 38th & National avs, Milwaukee, Wis.
Quincy-Manchester-Sargent Co. (Hand), Plainfield, N. J.
RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)
READING CRANE & HOIST WORKS (Hand Power), Reading, Pa. (See adv. index, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Shaw Electric Crane Co. (Electric), 85 Liberty, New York; Works: Muskegon, Mich.
SHAW, WILLIS CO. (New & Second-Hand), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Shriver, T. & Co. (Electric, etc.), Harrison, N. J
SPEIDEL, JOHN G. (Hand Power), Reading, Pa. (See adv. index, end of book)
Whitehead & Kales Iron Works, Detroit, Mich.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
Yale & Towne Mfg. Co. (Hand Power), 9 Murray, New York

*Cranes (Truck)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Cranes (Water, for Sprinkling Wagons)

Eddy Valve Co., Waterford, N. Y.
Ludlow Valve Mfg. Co. (For Sprinkling Cars, etc.), Troy, N. Y
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)

Cranes (Wrecking)

American Car & Foundry Co., 706 Chestnut, St. Louis, Mo.
BROWN HOISTING MACHINERY CO., 4403 St. Clair, N E, Cleveland, O. (See adv. index & branch offices, end of book)
Browning Engineering Co., Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
FAIRBANKS, MORSE & CO., Wabash av, & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Industrial Works (Steam & Hand Power), Bay City, Mich.
Interstate Engineering Co., Bedford, O.
Marion Steam Shovel Co., Marion, O.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Sellers, Wm., & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

*Crank Indexes

CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)

Crank Pins

Braeburn Steel Co. (Steel), Braeburn, Pa.
Cambria Steel Co., Arcade bldg., Phila., Pa.

Crank Turning Device

Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.

Cranks (Ball)

Cincinnati Ball Crank Co. (Steel), Cincinnati, Ohio

Cranks (Milling Machine)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.

Crankshafts

American Brake Shoe & Foundry Co. (Cast Steel), Mahwah, N. J.
Atlas Forgings Co., Lansing, Mich.
Bethlehem Steel Co. (Nickel Steel, etc.), South Bethlehem, Pa.
Block-Pollak Iron Co., Carthage, Cincinnati, Ohio
Boston Forge Co., 340 Maverick, E. B., Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Brylgon Steel Casting Co. (Cast Steel), New Castle, Del.
Cambria Steel Co. (Steel), Arcade bldg., Phila., Pa.
Carbon Steel Co. (Nickel Steel, etc.), 32d & Smallman, Pittsburg, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa.
Chester Engineering & Machine Co., Chester, Pa.
Chester Steel Castings Co. (Cast Steel), Chester, Pa., & 407 Sansom, Phila., Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Crescent Forgings Co., Oakmont, Pa.
Crucible Steel Co. of America, Frick bldg. Pittsburg, Pa.

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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Erie Forge Co. (Ltd.), Erie, Pa.
Helmbacher Forge & Rolling Mills Co., Wainwright bldg, St. Louis, Mo
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keystone Drop Forge Works (Drop Forged) Chester, Pa
Midvale Steel Co. (Nickel, Steel, etc.), Main office & Works, Nicetown, Philadelphia, Pa.
Morris, Herbert, Betz bldg, Philadelphia, Pa.
PAGE-STORMS DROP FORGE CO. (Drop Forged), Chicopee, Mass. (See adv. index, end of book)
Penna. Steel Co., Girard bldg, Philadelphia, Pa.
Reading Iron Co., Reading, Pa.
Richmond Forgings Corporation (Drop Forged), Belle Isle, Richmond, Va.
Sizer Forge Co., Buffalo, N. Y.
Sundberg, Kropp & Co., 1121 W 21st, Chicago, Ill
Tindel-Morris Co. (Steam Forgings, Gas Engine Shaft, Finished Ready for Installation), Eddystone, Pa., & Ellwood City, Pa.
Titusville Forge Co. (Centre Throw), Titusville, Pa.
Union Drop Forge Co. (Drop Forged Weldless), Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa. Pa
Wyman & Gordon (Drop Forged), Worcester Mass

Crankshafts (Automobile)

(See also Crankshafts; also Forgings, Drop)

Acme Steel & Malleable Iron Works, 245 Military rd, Buffalo, N. Y
ANDERSON FORGE & MACHINE CO. 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atlas Forgings Co., Lansing, Mich.
Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brazier Automobile Works, 1811 Fitzwater, Philadelphia, Pa
Chester Engineering & Machine Co., Chester,
Cambria Forge Co., Johnstown, Pa. Pa.
Carpenter Steel Co. (Nickel Chrome Steel), Reading, Pa.
Chester Forging & Eng. Co., Chester, Pa.
Columbus Screw & Machine Co., 244 Kaiser, Columbus, Ohio
Erie Forge Co. (Drop Forge), Erie, Pa.
Funk Engineering Co., 39 14th, Hoboken, N.J.
Gill, P. H. & Sons, Lorraine, c Otsego, Brooklyn, N. Y.
Hussey Drop Forge & Mfg. Co., Axtell, opp. Osage, Cleveland, O
Lauer, Jno. Machine Co., Detroit, Mich.
Leland, W. H., Worcester, Mass.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Standard Connecting Rod Co., Beaver Falls, Pa
Tioga Steel & Iron Co., 52d and Gray's av, Phila., Pa.
Wyman & Gordon Co., Worcester, Mass.

*Crankshafts (Bronze)

PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)

Crankshafts (Gas Engine)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index end of book
Chester Engineering & Machine Co., Chester, Pa.
Erie Forge Co., Erie, Pa.
Lauer, Jno. Machine Co., Detroit, Mich.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Standard Connecting Rod Co., Beaver Falls Pa
Tindell-Morris Co. (Finished), Eddystone, Pa & Ellwood City, Pa
Tioga Steel & Iron Co., 52d & Gray's av, Phila. Pa
Union Drop Forge Co. (Drop Forged Weldless), Chicago, Ill.

Crates (Bag)

Van Hook, F. P. ("Usona," for Shipping Empty Cement & Plaster Bags), Denver Colo.

Crayon Mfrs.

(See also Crayons & Pencils, Metal Workers: also Pencil Manufacturers)

AMERICAN CRAYON CO. (All Kinds for All Purposes), Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)
American Lava Co. (Fdry), Chattanooga, Tenn
American Lead Pencil Co. (Colored), 43 W 4th New York
American Supply Co. (Lumber), Mobile, Ala.
Binney & Smith Co. (Marking, School & Artists), 81 Fulton, New York
Chrystal, Chas. B. (Metal Workers), 184 Water New York
Cohutta Talc Co. (Blackb'd), Dalton, Ga.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite, Metal Workers', Colored) Jersey City, N. J. (See adv. index & branch offices, end of book
DOGGETT, STANLEY (Soapstone) 101 Beekman, New York. (See adv. index end of book)
Eagle Pencil Co. (Colored), 377 B'way, New York
Faber, Eberhard (Colored), 290 B'way, New York
Franklin Crayon Co. (Civil Engineers' & Checking), Rochester, N. Y.
Korn, William (Marking & Lithographic), 121 Centre, New York
Lowell Crayon Co. (Mill & Metal Workers') Lowell, Mass
Nevins, Samuel C. Co. (Importer, French Chalk & Talc), 109 S 2d, Phila., Pa
New York Silicate Book Slate Co. (Silicate), 68 Church, New York
North Carolina Talc & Mining Co. (Talc), Hewitts, N. C
Standard Crayon Mfg. Co. ("Falcon" & "U. S Standard," 4 Colors, for All Purposes) Danvers, Mass
Steward, D. M. Mfg. Co. ("Compo." Dustless) Chattanooga, Tenn
Zelnicker, Walter A., Supply Co. ("Zelnicker" Soapstone Lumber, etc.), St. Louis, Mo.

*Crayons (Bowling Alley)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

*Crayons (Colored)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)
DIXON, JOS., CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)

*Crayons (Dustless, White & Colored)

AMERICAN CRAYON CO. (Hygieia), Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

*Crayons (Leather)

AMERICAN CRAYON CO. (Beacon), Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

*Crayons (Lecturers')

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

*Crayons (Lumber)

AMERICAN CRAYON CO. (Acme), Sandusky, O., & Waltham, Mass. (See adv. index & branch office, end of book)

*Crayons (Marble)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

Crayons (Mill)

(See Crayon Manufacturers)

*Crayons (Railroad)

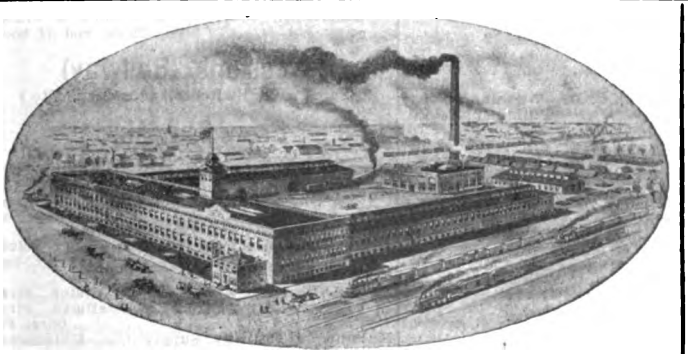
AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)

*Crayons (School)

AMERICAN CRAYON CO. (White & Colored), Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)

*Crayons (Wax & Oil, School & Package)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)



Gen. Offices, Works and Laboratories, located at SANDUSKY, OHIO.

CRAYONS FOR EVERY PURPOSE.

School Crayons, White and Colored of every description, Hygieia Dustless Crayons, White and Colored, Lecturers Crayons, Pastello Crayons, Tailors Crayons, Textile Mill Crayons, Railroad Crayons, Wax and Oil School and Package Crayons, Hydraulic Pressed Crayons, Lumber Crayons, Metal Workers Crayons, Marking Crayons, Checking Crayons, Marble Crayons, Leather Crayons, Bowling Alley Crayons, Carpenters Chalk, Lump Chalk, Powdered Chalk, Hand Bowling Chalk, Foot Bowling Chalk, Billiard Chalk, White and Colored, Water Color Paints, Water Color Pencils, Hygieia Nest Eggs, Hygieia Dust Collector, Lock Cornered Basswood Boxes and Blackboard Erasers.

THE AMERICAN CRAYON CO.

SANDUSKY, O. U. S. A. WALTHAM, MASS.

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Crayons & Pencils (Metal Workers', Etc.)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index & branch offices, end of book)
Binney & Smith Co., 81 Fulton, New York
Chrystal, Chas. B., 184 Water, New York
Cohutta Talc Co. (Talc Soapstone), Dalton, Ga.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
DOGGETT, STANLEY (Soapstone, "Peerless" & "Perfection" Brands), 101 Beekman, New York. (See adv. index, end
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoffman, F. G., Beta, N. C.
Lowell Crayon Co., Lowell, Mass.
Nevins, Sam'l Co. (Talc & French Chalk), 109 S 2d, Phila., Pa.
North Carolina Talc & Mining Co. (Talc), Hewitts, N. C.
Steward, D. M. Mfg. Co. ("Compo"), Chattanooga, Tenn.
Zeinicker Crayon Works, St. Louis, Mo.

Creamery Apparatus and Supplies

(See Creamery Machinery; also Separators, Cream; also Testers, Creamery, Etc.)

Creepers (Anti-Rail)

Belle City Malleable Iron Co. ("L. & S."), Racine, Wis.
Cleveland Frog & Crossing Co. ("Prentice"), Cleveland, O.
National Railway Materials Co. ("Murray"), 90 West, New York
Oliver Iron & Steel Co. (Anti-Creeper Device), Pittsburg, Pa.
Quincy-Manchester-Sargent Co. ("Racine," "L. & S.," "Q. & C." "Bull Dog," "Otto," "Murray"), Plainfield, N. J.

Creepers (Ice)

American Sales Co. ("Little Clincher"), 22 Bible House, New York
Gay, Geo. E., Augusta, Me.
Holderbaum, John I. ("Reliance"), Somerset, Pa.
Norlund & Co. ("Norlund"), Williamsport, Pa.
Sayre, L. A. & Co., Newark, N. J.
Sinclair-Scott Mfg. Co., Baltimore, Md.
Union Hardware Co., Torrington, Conn.

Creosoting Works

(See also Wood Preservatives)

American Creosote Works, New Orleans, La.
Atlantic Creosoting & Wood Preserving Works, Norfolk, Va.
Ayer & Lord Tie Co., Railway Ex. bldg, Chicago, Ill.
Colman Creosoting Works, Seattle, Wash.
Eppinger & Russell Co., 06 Broad, New York
Galveston Creosoting Co. (Bridge Timbers, Ties, etc.), Fort Worth, Tex.
Georgia Creosoting Co., Lambertville, N. J.
International Creosoting & Construction Co., Galveston, Tex.
Kansas City Creosoting Co., Kansas City, Mo.
Kettle River Quarries Co., Minneapolis, Minn., also St. Louis, Mo.
Norfolk Creosoting Co., Citizens Bank bldg, Norfolk, Va.
Southern Creosoting Co., Slidell, La.
Taylor, J. W., Summerville, S. C.
Wyckoff Pipe & Creosoting Co., 50 Church, New York

Crestings (Terra Cotta)

(See Roofing Tile, Terra Cotta)

Crestings & Finials (Iron)

Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T., Wire & Iron Works (Iron), 82 Washington av, Detroit, Mich.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th Cincinnati, O. (See adv. index, end of book)
Creswell, J. S., Iron Works, 23d & Cherry, Philadelphia, Pa.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Fiske, J. W. Iron Works, 56 Park pl., New York
Gensel, Fred & Co., 911 Vine, Phila., Pa.
Goodwin, F. O., N 53d & Wyalusing, Phila., Pa.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 168 Michigan av, Chicago, Ill. (See adv. index, end of book)
JONES, THOS. W., 22 Burling sl, New York. (See adv. index, end of book)
Mesker & Bro., 421 S 6th, St. Louis, Mo.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mott, J. L. Iron Works, 118 5th av, New York
PITT, WM. R., COMPOSITE IRON Works, 136 W 24th, New York. (See adv. index, end of book)
SCHREIBER, L & SONS CO., 8th & Eggleston av., Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON W'K'S, 100 Lake, Chicago, Ill. (See adv. index, end of book)
VAN DORN IRON WORKS CO. (Crestings), 2685 W 79th, Cleveland, O. (See adv. index, end of book)
Wells Architectural Iron Co., 219-221 E 144th, New York
Westervelt, A. B. & W. T., 102 Chambers, New York
Whyte, Oliver & Co., 17 Cornhill, Boston, Mass.

Crestings & Finials (Sheet Metal)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Canton Art Metal Co., Canton, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, Eller Mfg. Co., Canton, O. end of book)
Gara, McGinley & Co., 23 S 17th, Phila., Pa.
Horgert, Theo. E., 384 2d av, New York
Indianapolis Corrugating Co. (Ornamental, Galvanized Steel), Indianapolis, Ind.
JONES, THOS. W., 22 Burling sl, New York. (See adv. index, end of book)
Kanneberg Roofing & Ceiling Co., Canton, O.
Kelley, Wm. J., 448 Adelphi, Brooklyn, N. Y.
MILWAUKEE ARTISTIC METAL CEILing Co., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MILWAUKEE CORRUGATING CO., S. Bay & Aldrich, Milwaukee, Wis. (See adv. index & branch offices, end of book)
MULLINS, W. H. CO., Salem, O. (See adv. index, end of book)
NATIONAL SHEET METAL ROOFING Co., 339 Grand, Jersey City, N. J. (See adv. index, end of book)
Van Noorden, E., Co., 944 Mass. av, Boston, Mass.

Cribbage Boards

American Pin Co., Waterbury, Conn.
Hoyt, Jas. L., East Norwalk, Conn.

Crocus

Hanson & Van Winkle Co., Newark, N. J.

Cross Arms, Brackets, Etc. (Steel)

Ajax Line Material Co. ("Volta"), 12 S Jefferson, Chicago, Ill.
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Belmont Iron Works, 2215 Washington av, Philadelphia, Pa.
Bissell, F. Co. ("Security," Angle Iron), Toledo, O.
Brady, T. H., New Britain, Conn.
Creaghead Engineering Co. (Steel Flexible), Cincinnati, O.
Cutter, Geo. Co., South Bend, Ind.
Electric Railway Equipment Co., 1038 W 8th, Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
Follett Iron Works, 96 W Polk, Chicago, Ill.
Hill, W. S. Elec. Co., New Bedford, Mass.
Hubbard & Co., Pittsburg, Pa.
Lanz, M. & Sons (Steel Angle), 101 S. 29th, Pittsburg, Pa.
Metal Finishing Co., Union City, Conn.
Morris, Elmer P. Co., 50 Church, New York
NEWHALL CHAIN, FORGE & IRON CO., 90 West, New York
Ohio Brass Co., Mansfield, O.
Pierce Specialty Co., Elkhart, Ind.
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
Walworth Mfg. Co., Boston, Mass.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Cross Arms (Creosoted)

(See Creosoting Works)

Cross Arms (Wood)

(See also Insulator Pins & Brackets)

Absher, W. M. Co., North Wilkesboro, N. C.
Anguera Lumber Co., Fisher bldg, Chicago, Ill.
Berthold & Jennings, 721 Olive, St. Louis, Mo.
Bissell, F. Co., Toledo, O.
Boggs & McNeill Co., Albany, Ga.
Brownlee & Co., Meridian, Miss.
Bruton, J. C., Fayetteville, N. C.
California Pole & Piling Co., San Francisco, Cal.
Central Mfg. Co. (Yellow Pine Brackets, Cross Arms & Pins), Chattanooga, Tenn.
Clark, Aaron F., Peabody, Mass.
Cohn & Bock (Yellow Pine Cross Arms, Oak Insulator Pins & Brackets), Princess Anne, Md.
Columbia Mfg. Co., Antigo, Wis.
DIAMOND EXPANSION BOLT CO. (Insulator Pins), 90 West, New York. (See adv. index & branch offices, end of book)
Elkin Machine Co., Elkin, N. C.
Ferguson Lumber Co., Little Rock, Ark.
GENERAL ELECTRIC CO. (Steel), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Houston & Liggett (Live & White Oak, Gum & Elmm Insulator Pins), Lewisburg, Tenn.
Kapp & Miller Co. (Cross Arms, etc.), Rural Hall, N. C.
Lake Yale Lumber Co. (Cross Arms), Grand Island, Fla.
Lewis Lumber & Mfg Co., Hatticsburg, Miss.
Lindsley Bros. Co., Spokane, Wash.
Nashua Spool & Bobbin Co., Journal Bldg., Boston, Mass.
Noblett, E. J. Co., West Pullman, Chicago, Ill.
Norfolk Creosoting Co., Norfolk, Va.
Pilliod Lumber Co., Swanton, O.
Roper, J. L. Lumber Co., Norfolk, Va.
Southern Exchange Co. (Georgia Pine Cross Arms), Maxton, N. C.
Southern Pine Mfg. Co., Paducah, Ky.
Spartan Cross Arm, Pin & Bracket Co., Spartanburg, S. C.
Texas Arm & Pin Co. ("Dewey"), Beaumont, Tex.
Union Railway Supply Co., Phila., Pa.
Vuncannon, J. B., West End, N. C.
Walworth & Neville Mfg. Co. (Cross Arms, Oak Insulated Brackets), Buell, Va.
Western Electric Co. (Cross Arms), 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York
Wyckoff Pipe & Creosoting Co., Stamford, Conn.

Cross Ties

(See Ties, Poles & Posts)

*Crosses (Pipe Fitting)

LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Crossings (Railway)

(See Frogs, Switches, Crossings, Etc.)

Crow Bar Mfrs.

Atha Tool Co., Newark, N. J.
Beail Bros. (Inc.) (Pinch or Wedge Point, etc.), Alton, Ill.
Collins Co., Collinsville, Conn., & 212 Water, New York
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works (Pince & Wedge Point), Evansville, Ind.
Falls Mfg. Co., San Francisco, Cal.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., S 18th & Breed, Pittsburg, Pa.

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Logan Iron & Steel Co., Burnham, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works: Cheswick, Pa.
Sweet's Steel Co. (Steel & Cast Steel), Williamsport, Pa.
Union Drop Forge Co., Chicago, Ill.
Warwood Tool Co., Wheeling, W. Va.

Crucible Mfrs.

Baker & Co. (Platinum), Newark, N. J.
Bartley, Jonathan, Crucible Co. (Graphite), Trenton, N. J.
Berge, J. & H. (Importers), 95 John, New York
Bridgeport Crucible Co. (Black Lead), Bridgeport, Conn.
Denver Fire Clay Co. (Jobbers), 1742 Champa, Denver, Colo.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Black Lead Crucibles & Retorts), Jersey City, N. J. (See adv. index & branch offices, end of book)
Eimer & Amend (Importers), 205 3d av, New York
Gautier, J. H. & Co. (Black Lead), Jersey City, N. J.
Goebel, J. & Co. (Importers), 129 Maiden la, New York
McCullough-Dalzell Crucible Co., 36th & A. V., Pittsburg, Pa.
Paige Retort & Crucible Co., Taunton, Mass.
Ross-Tacony Crucible Co., Robbins c Milnor, Tacony, Phila., Pa.
Seidel, Reuben B. (Inc.), 1334 Callowhill, Phila., Pa.
Taunton Crucible Co. (Pure Ceylon Graphite, Taunton, Mass.
Taylor, Robert J. (Inc.), 1900 Callowhill, Phila., Pa.
Waterbury Crucible Co., Waterbury, Conn.
Woods-Lloyd Co., Pittsburg, Pa.

Crucible Steel

(See Steel, Crucible)

*Crucibles (Brazing)

DIXON, JOS. CRUCIBLE CO. ("Dixon's"), Jersey City, N. J. (See adv. index & branch offices, end of book)

*Crucibles (Graphite)

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Crucibles (Steel)

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index. & branch offices, end of book)

*Crushed Steel for Polishing Granite, Etc.

HARRISON SUPPLY CO. ("Diamond"), 5 & 7 Dorchester ave. Extension, Boston, Mass. (See adv. index, end of book)

Crushed Stone

(See Stone, Crushed)

Crusher Parts

(See also Castings, Rock Crusher; also Stone Crusher Parts & Repairs)
American Brake Shoe & Foundry Co., Mahwah, N. J.
Bethlehem Steel Co., South Bethlehem, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

Crushers (Clay)

American Clay Machinery Co., Bucyrus, O.
American Pulverizer Co., St. Louis, Mo.
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creager Co., New London, O.
Bonnot Company, Canton, O.
Bonnot Company, Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Brunner, Chas., Peru, Ill.
Eagle Iron Works, Des Moines, Ia.
Fernholtz Brick Machinery Co., Boyle & Old Manchester avs, St. Louis, Mo.
Fisher Engine Foundry & Machine Co., Pittsburg, Pa.
Freese, E. M. & Co., Galion, O.
Frost Mfg. Co., Galesburg, Ill.
Ideal Fence Co., Adrian, Mich.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Nebel, M. A., 72 Grand av, Brooklyn, N. Y.
Newell Mfg. Co., 149 B'way, New York
Nolan, Madden & Co., Rushville, Ind.
Ohio Ceramic Engineering Co., Cleveland, O.
Raymond Bros. Impact Pulveriser Co., 148 Laflin, Chicago, Ill.
Raymond, O. W. Co., Dayton, O.
Schutz-O'Neill Co., Minneapolis, Minn.
Scott Mfg. Co., St. Louis, Mo.
Stedman Foundry & Machine Works, Aurora, Ind.
Stevenson & Co., Wellsville, O.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Taplin-Rice-Clerkin Co., Akron, O.
Wallace Mfg. Co., Frankfort, Ind.
West Pulverizing Machine Co., 220 B'way, New York
Williams Patent Crusher & Pulverizer Co., 2706 N. B'way, St. Louis, Mo.

Crushers (Coal & Coke)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Pulverizer Co., St. Louis, Mo.
BARTLETT, C. O. & SNOW CO. ("Triumph," Two & Four Roll), French st, Cleveland, O. (See adv. index, end of book)
Connellsville Machine & Car Co., Connellsville, Pa.
Conveying Machinery Co., 120 Liberty, New
Excel Mfg. Co., Pottersville, N. J. York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Hunt, O. W. Co., West New Brighton, S. I., N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Keller, C. M., Columbus, Ind.
Link Belt Co., W. 39th cor. Stewart av., Chicago, Ill., & 299 B'way, New York.
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Milholland, J. & J. B. Co., 718 5th av., Pittsburg, Pa.
Mullen, Jno. & Son, Shamokin, Pa.
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
Pennsylvania Crusher Co. (Hammer, Rotary, etc.). Stephen Girard bldg, Phila., Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Schutz-O'Neill Co., Minneapolis, Minn.
SPROUT, WALDRON & CO. (Also Facing), Muncy, Pa. (See adv. index, end of book)
Stacey Mfg. Co., Elmwood Pl., Cincinnati, O.
Stedman's Foundry & Machine Works, Aurora, Ind.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Vulcan Iron Works, Wilkes-Barre, Pa.
Wagner-Palmore Mfg. Co., Fairmont, W. Va.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Crushers (Coke)

(See Crushers, Coal & Coke)

Crushers (Corn & Cob)

(See Mills, Corn & Cob)

*Crushers (Jaw)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Crushers (Spindle)

Bethlehem Steel Co., South Bethlehem, Pa.

Crushers (Stone)

(See Rock & Ore Crushers)

Cryolite

Pennsylvania Salt Mfg. Co., 115 Chestnut, Phila., Pa

Cultivator Attachments

Empire Plow Co., Cleveland, O.
Gale Mfg. Co., Albion, Mich.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.

Cultivators

American Plow Co. ("American" Steel, Riding or Walking, Spring Tooth, etc.), Madison, Wis.
Akron Cultivator Co. (Riding & Walking Pivot-Axle Automatic, also Walking), Akron, O.
Allbright, Jas. H. & Sons (Riding & Walking), Muhlingburg, Pa.
Allen, S. L. & Co., Phila., Pa.
American Harrow Co. (Riding & Walking), Detroit, Mich.
American Plow Co., Madison, Wis.
Ames Plow Co., Boston, Mass.
Anderson Company (Disc Lister & Knife, Walking & Riding), St. Paul, Minn.
Arnolds, G. W. Son, Ionia, Mich.
Atlanta Agricultural Works ("Atlanta"), Atlanta, Ga.
Avery, B. F. & Sons (Riding & Walking), Louisville, Ky.
Avery Co. (Riding & Walking, "Avery Doublet," "Doublet"), Peoria, Ill.
Babcock Mfg. Co. ("Otsego," Walking, One Horse), Leonardville, N. Y.
Bacon Mfg. Co. (Garden), Pontiac, Mich.
Bateman Mfg. Co. (Riding, Walking & Horse Hoe), Grenloch, N. J.
Belcher & Taylor Agl. Tool Co. (Pronts Hoeing Machine), Chicopee Falls, Mass.
Bement's, B. Sons (Riding & Walking), Lansing, Mich.
Benicia Agricultural Works ("Horners"), Benicia, Cal.
Blount, Henry F. (Walking & Riding), Evansville, Ind.
Bostwick, Alonzo & Son, Millington, Mich.
Bradley, David Mfg. Co. ("Dolphin," "New Bradley," "Bradley Vulcan," "Klondike," "Common Sense," "Trojan," "Katy-Did," "Cricket"), Bradley, Ill.
Bristol & Gale Co. (Hand), 110 Washington Boul., Chicago, Ill.
Brown, Geo. W. & Co. (Walking & Riding), Galesburg, Ill.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co. (Riding & Walking), Zanesville, O.
Bucher & Gibbs Plow Co. (Walking One Horse, Spike Tooth, Spring Tooth, Five Tooth),
Burton Handle Co. (Riding & Walking), Burton, O.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Case, J. I. Plow Works (Riding & Walking), Racine, Wis.
Castille Chilled Plow Co., Castille, N. Y.
Champion Drill Co., Avon, N. Y.
Children, E. & Sons (Badger & New Badger), Council Bluffs, Iowa
Childs, Chas. H. & Co., Utica, N. Y.
Clipper Chilled Plow Co., Elmira, N. Y.
Clipper Plow Co. ("Best," "Clipper"), Defiance, O.
Clore's, Wm. Sons (Dixie), Rising Sun, Ind.
Collins Plow Co. ("Iowa" Riding & Walking Combined), Quincy, Ill.
Cutaway Harrow Co., Higganum, Conn.
Deere & Co. (Sugar Cane, also Walking, Riding & Walking & Riding Combined), Moline, Ill.
Deere & Mansur Co. (Disc), Moline, Ill.
Dempster Mill Mfg. Co., Beatrice, Neb.
Deuscher, H. P. Co. (Ideal), Hamilton, O.
Diats, Hiram Jr. (Kunler), Pittston, N. J.
Donaldson Bros. ("Steel King"), Mt. Clemens, Mich.
Eagle Mfg. Co., Kansas City, Mo.
Emerson Mfg. Co. ("Emerson," "Diamond," "Standard"), Rockford, Ill.
Empire Plow Co. ("Empire"), Cleveland, O.
Eureka Mower Co. (Spike, Spring & Shovel Tooth, Riding, etc.), Utica, N. Y.
Farmers' Handy-Wagon Co. (One or Two Row), Saginaw, Mich.
Farquhar, A. B. Co., Ltd. (Riding & Walking), York, Pa.
Fort Madison Plow Co., Fort Madison, Ia.
Fountain City Drill Co. (Riding Corn), La Crosse, Wis.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. (Riding or Walking, also Walking Tongue & Tongueless, also Fine Tooth, etc.), Albion, Mich.
Genung, C. W. (Disc & Single & Double Wheel), Madison, O.
Gesley Mfg. Co., Beloit, Wis.
Gowanda Agl. Works (Horse Hoe, etc.), Gowanda, N. Y.
Grand Detour Plow Co. ("Uncle Sam," Walking & Riding), Dixon, Ill.

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Greenville Implement Co. (Star Shovel), Greenville, Mich.
Hartford Plow Works (Rowell), Hartford, Wis.
Hartig-Becker Plow Co. (Up-to-Date), Evansville, Ind.
Hartman Mfg. Co. (Riding & Walking), Vincennes, Ind.
Hayes Pump & Planter Co. (Riding & Walking), Galva, Ill.
Hench & Dromgold Co., Inc. (Riding & Walking), York, Pa.
Hoke Mfg. Co. (Riding & Walking), South Bend, Ind.
Howell, R. R. Co. (Champion Riding), Minneapolis, Minn.
Howland Mfg. Co. (Little Giant Walking), Pontiac, Mich.
International Harvester Co. of America (Horse, Hoe, Steel, etc.), 7 Monroe, Chicago, Ill.; Osborne Plant, Auburn, N. Y.
Janesville Machine Co., Janesville, Wis.
Keller Mfg. Co. (New Departure), Sauk Center, Minn.
Keystone Farm Machine Co. (Riding & Walking), York, Pa.
Killefer-Griffith Mfg. Co., Los Angeles, Cal.
King & Hamilton Co. ("Little Boy"), Ottowa, Ill.
Kingman Plow Co. (Walking & Riding), Peoria, Ill.
La Crosse Plow Co. (Riding & Walking), La Crosse, Wis.
Lean, Roderick Mfg. Co. (Riding), Mansfield, Ohio
Lehr Agl. Co. (Riding & Walking), Fremont, Ohio
Long & Allstatter Co. (Riding, Walking, Tongue & Tongueless), Hamilton, O.
Lovejoy Co., Cambridge, N. Y.
McDonald, Wm., Lapeer, Mich.
Marva Mfg. Co., Marva, Ill.
Mason, F. C. & Co. ("Banner," Hand, etc.), St. Johns, Mich.
Mead Hay Press Co., Pueblo, Col.
Meminger Mfg. Co. (Steel King Walking), Tatamy, Pa.
Moline Plow Co. (Tongue Walking, Tongueless Walking, Riding, Combined Walking & Riding, Disc, Lister, etc.), Moline, Ill.
Monmouth Plow Co. (Riding, Combined, Walking & Tongueless), Monmouth, Ill.
Moore Plow & Implement Co. (Beet & Garden), Moroa Mfg. Co., Moroa, Ill. Greenville, Mich.
Munnsville Plow Co. (Wheel, Harrow, Lever, etc.), Munnsville, N. Y.
National Drill Co., Cambridge City, Ind.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Ohio Cultivator Co. (Sulky & Walking), Bellevue, O.
Ohio Rake Co. (Riding), Dayton, O. vue, O.
Osborne, D. M. & Co. Horse, Hoe, Steel, etc.).
Oyler Plow Co., Akron, O. Auburn, N. Y.
Parlin & Orendorff Co. (Riding, Walking, Disc & One Horse), Canton, Ill.
Pattee Plow Co., Monmouth, Ill.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co. (Riding & Walking), Peru, Ill.
Racine-Sattley Co. (Walking, Riding & Combined), Springfield, Ill. & Racine, Wis.
Reed Mfg. Co., Kalamazoo, Mich.
Richmond Plow Co., Richmond, Ind.
Rock Island Plow Co. (Riding & Walking), Rock Island, Ill.
Rockford Implement Co. ("Thompson," Riding & Combined), Rockford, Ill.
Rockford Mfg. Co. ("Dewey," "Ellwood," "Tiger," "Hiram," "Rockford," "Norman, Jr."), Rockford, Ill.
Rockford Well Drill Co., Rockford, Ill.
Rowell, I. B. Co. (Sulky Corn), Menomonee Falls, Wis.
Rude Bros. Mfg. Co. (Riding & Walking), Liberty, Ind.
St. Joseph Plow Co. (Riding & Walking), St. Joseph, Mo.
Sechler, D. M. Carriage Co., Moline, Ill.
Smith, D. B. & Co. (Walking), Utica, N. Y.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works, Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Spangler Mfg. Co., York, Pa.
Star Mfg. Co. (Walking), Carpentersville, Ill.
Sparta Plow Works, Sparta, Ill.
Standard Harrow Co., Utica, N. Y.
Swanson Mfg. Co., Blue Rapids, Kan.
Swanson, T. Mfg. Co. (for Listed Corn, etc.), Shenandoah, Ia.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tait, F. B. Mfg. Co., Decatur, Ill.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Toledo Plow Co. (Riding & Walking), Toledo, Ohio
Tower, J. D. & Sons Co. (Walking & Riding), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Little Joe," "Eureka"), Rome, Ga.
U. S. Implement Co., Canton, O.
Ulrich, F. W., Rock Falls, Ill.
Van Brunt Mfg. Co., Horicon, Wis.
Watkins Chilled Plow Co., Watkins, N. Y.
West & Townsend, Martinsville, O.
Western Mfg. Co., Kansas City, Mo.
Whitaker Mfg. Co., 30 W Monroe, Chicago.
White, E. B. & Bro., Norfolk, Va. Ill.
WHITMAN & BARNES MFG. CO. (Riding & Walking), Chicago, Ill. (See adv. index & branch offices, end of book)
Wood Bros. Steel Self Feeder Co., Des Moines, Iowa

Cultivators (Bean & Corn)

Blue Mfg. Co., Fostoria, O.
Moline Plow Co. ("Michigan"), Moline, Ill.
Wood, W. A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

Cultivators (Beet)

Allen, S. L. & Co. ("Planet Jr." 2 & 4 row), 1107 Market, Phila., Pa.
Bateman Mfg. Co. ("Iron Age" 2 row), Grenloch, N. J.
Bucher & Gibbs Plow Co., Canton, O.
Deere & Mansur Co. ("Empire" 2 & 4 row), Moline, Ill.
Empire Plow Co. ("Empire" 2 row), Cleveland, Ohio
Gale Mfg. Co. ("Gale" 2 row), Albion, Mich.
Moline Plow Co. ("Moline" 2 row Walking, & 4 row Riding), Moline, Ill.
Moore Plow & Implement Co. ("Moore" 2 row), Greenville, Mich.
Ohio Cultivator Co. ("Ohio" 2 row), Bellevue, Ohio
Parlin & Orendorff Co. ("Canton" 2 row), Canton, Ill.
Rowell, I. B. Co. ("Rowell" 2 row), Menomonee Falls, Wis.

Cultivators (Garden)

Allen, S. L. & Co. ("Planet Jr."), 1107 Market, Phila., Pa.
American Fork & Hoe Co. ("Evans" & "Victor" Hand Cultivators), Cleveland, O.
Ames Plow Co. ("New Universal" Wheel), Boston, Mass.
Anderson, J. H. & Co. ("Anderson Boss" Hand), 2707 Lafayette av, St. Louis, Mo.
Avery, B. F. & Sons ("Avery" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Bacon Mfg. Co. ("Bacon" Wheel), Pontiac, Mich.
Bateman Mfg. Co. ("Iron Age" Wheel, Hoe, Plow, Weeder), Grenloch, N. J.
Black, Geo. H. ("Queen") Buchanan, Mich.
Brinly-Hardy Co. ("Columbia" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Brown-Manley Ploy Co. ("Rival" Wheel, Hoe, Plow & Weeder), Malta, O.
Coffeyville Implement & Mfg. Co. ("Banner" Disc), Coffeyville, Kan.
Crescent Forge & Steel Co. (Wheel), Havana, Ill.
Deere & Mansur Co. ("McGee" Wheel, Hoe, Plow & Weeder), Moline, Ill.
Deuscher, H. P. Co. ("Ideal" Wheel, Hoe, Plow & Weeder), Hamilton, O.
Gale Mfg. Co., Albion, Mich.
Genung, C. W. ("Iron King" Wheel), Madison, O.
Greenville Implement Co. ("Banner," "Garden King," "Peerless" Wheel), Greenville, Mich.
Mason, F. C. & Co. ("Banner" Wheel), St. Johns, Mich.
Moline Garden Implement Co. ("Mobile" Garden), Mt. Gilead, O.
Moore Plow & Implement Co. ("Moore's" Wheel), Greenville, Mich.
Norcross, C. S. & Sons ("Norcross" Hand), Bushnell, Ill.
Ohio Cultivator Co. ("Climax," "Dexter" Wheel), Bellevue, O.
Parlin & Orendorff Co. ("Canton" Wheel, Hoe, Plow & Weeder), Canton, Ill.
Peru Plow & Wheel Co. ("Clipper" Wheel), Peru, Ill.
Prairie Mfg. Co. ("Man Weight" Wheel, Hoe, Plow & Weeder), Indianapolis, Ind.
Schaible Mfg. Co. ("Lou Dillon" Wheel), Elyria, O.
Tenney & Sikking (Inc.) ("Decatur" Wheel), Decatur, Ill.
Thornburgh Mfg. Co. ("Toledo," "Garden King," Wheel, Hoe, Plow & Weeder), Bowling Green, O.
Weyburn Co. ("Scott's" Wheel), Rockford, Ill.
Whitaker Mfg. Co., 30 W Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO. ("Diamond" Wheel), West Pullman, Chi-Chicago, Ill. (See adv. index & branch offices, end of book)

Cultivators (Onion)

(See also Drills, Onion)

Allen, S. L. & Co. ("Planet Jr.," Wheel Hand), Philadelphia, Pa.
Bacon Mfg. Co. ("Bacon," Wheel Hand), Pontiac, Mich.
Genung, C. W. ("Iron King," Wheel Hand), Madison, Ohio

Culverts (Road)

AMERICAN ROLLING MILL CO. (Corrugated, Metal, Made From American Ingot Iron), Middletown, O. (See adv. index, end of book)
Atlas Metal Works (Corrugated Metal), Dallas, Tex.
Bark River Bridge & Culvert Co., Bark River, Mich.
Beach Mfg. Co. (Cast Iron, Steel), Charlotte, Mich.
Canton Culvert Co. ("Acme" Corrugated Metal, Made From Bloom Iron), Canton, Ohio
Champion Bridge Co. of New Jersey (Iron), Wilmington, O.
Climax Road Machine Co. (Cast Iron, Steel), Marathon, N. Y.
Feltz & East Co. (Cast Iron Interlocking), Lima, Ohio
Harry, O. K., Steel Co. (Steel), St. Louis, Missouri
Harry, O. K., Steel Works (Corrugated Steel), Dallas, Tex.
Heller-Aller Co. (Galvanized Steel), Napoleon, Ohio
Illinois Corrugated Metal Co., Bloomington, Illinois
Isham-Miller Co. (Metal Sectional), Butternut, Mich.
Kelly Foundry & Machine Co. (Galvanized Steel), Goshen, Ind.
Kelly Mfg. Co. (Steel), Waterloo, Iowa
Klauer Mfg. Co. (Corrugated, Galvanized), Dubuque, Ia.
Munnsville Plow Co. ("Beach" Triple Expansion & "Munnsville" Improved), Munnsville, N. Y.
North Dakota Metal Culvert Co. (Steel), Fargo, N. D.
Northeast Metal Culvert Co., Nashau, N. H.
Ohio Corrugated Culvert & Bridge Co., Middletown, Ohio
Penna. Metal Culvert Co. (Corrugated Metal), Warren, Pa.
Texas Tank & Culvert Co., Fort Worth, Tex.
Warsaw-Wilkinson Co. (Steel), Warsaw, N.Y.
Winamac Bridge Co. (Iron), Winamac, Ind.

Cupola Linings or Blocks

Ashland Fire Brick Co., Ashland, Ky.
Berry, Jas. E., Woodbridge, N. J.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Buckeye Fire Clay Co., Uhrichsville, O.
Chicago Retort & Fire Brick Co., 45th & Clark, Chicago, Ill.
Columbia Fire Brick Co., Canton, O.
Cooper, Jno., 396 Oakland, Brooklyn, N. Y.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., 1742 Champa, Denver, Colo.
Didier-March Co., 50 Church, New York; Works: Keasby, N. J.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)
Garfield Fire Clay Co., Robinson, Pa.
Gautier, J. H. & Co., Jersey City, N. J.
Gladding, McBean & Co., San Francisco, Cal. Works: Lincoln, Cal.
Harbison-Walker Refractories Co., Farmers B'k bldg, Pittsburg, Pa., & 1133 B'way, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Howard Co., New Haven, Conn.
Kier Fire Brick Co., 841 6th av, Pittsburg, Pa.
Laclede-Christy Clay Products Co., St. Louis, Mo.

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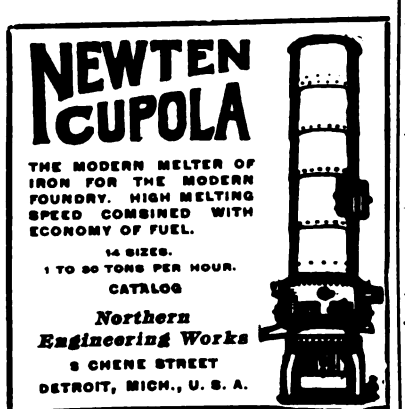
Lincoln Fire Brick & Shape Co., Farmers B'k bldg, Pittsburg, Pa. Works, Bolivar, Pa.
Louisville & Portsmouth Fire Brick Co., Portsmouth, O.
McLeod & Henry Co. (Steel Mixture), Troy, N. Y.
MAURER, HENRY & SON, 420 E 23d, New York.; Penna. bldg, Phila., Pa. Works, Maurer, N. J. (See adv. Front Inside Cover)
MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
NATIONAL FIRE PROOFING CO., Fulton bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
National Pyrogranit Co., 17 Battery pl, New York. Works: South River, N. J.
Ohio Fire Brick Co., Oak Hill, O.
Ostrander Fire Brick Co., Troy, N. Y., & Ostrander, N. J.
Parker-Russell Mining & Mfg. Co., St. Louis, Mo.
Penn, Wm., Silica Works (Mica, Schist Rock), William Penn P. O., Phila., Pa.
Prosbrey Stove Lining Co., Taunton, Mass.
Remmey, Richard Sons Co., 2637 E Cumberland, Phila., Pa.
St. Louis Vitrified & Fire Brick Co., 105 N. 7th, St. Louis, Mo.
Southern Fire Brick & Clay Co., 138 Wash'n, Chicago, Ill. Works, Mount Silica, Ind.
Superior Fire Lining Co., Trenton, N. J.
Tygart Fire Brick Co., Fullerton, Ky.
Valentine, M. D. & Bro. Co., Woodbridge, N. J.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

*Cupola Wash

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Cupolas (Foundry)

Advance Radiator Co., Syracuse, Ind.
Bigelow Co., New Haven, Conn.
Byram & Co. ("The Colliau"), 435 Guoin, Detroit, Mich.
Calumet Engineering Works ("Calumet"), Harvey, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Connelly, D., Boiler Co., Cleveland, O.
Detroit Foundry Supply Co ("Crandall"), Detroit, Mich.
Etting, E. J. ("E. J. E."), Land Title bldg, Philadelphia, Pa.
Hay's, Samuel W. Sons, Pittsburg, Pa.



Hibbs, E. A., 209 Quarry, Phila., Pa.
Honhorst, Joseph, Co., Cincinnati, O.
McCormack, J. S. Co., 25th & A. V. Ry., Pittsburg, Pa.
McNeil, Jas. & Bro. Co., 29th & A. V. Ry., Pittsburg, Pa.
Means & Fulton Iron Works, Birmingham, Ala.
Meehan Boiler & Construction Co., Lowellville, O.
NORTHERN ENGINEERING WORKS, Detroit, Mich. (See adv. index & branch offices, end of book)
Obermayer, S. Co., 647 Evans, Cincinnati, O.
Paxson, J. W. Co. ("The Paxson-Collian"), 1021 N. Delaware av, Phila., Pa.
Ritter-Conley Co., 59 Water, Pittsburg, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Sotter Bros., Pottstown, Pa.
Stewart, C. Boiler Works, Worcester, Mass.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

*Cupolas ("The Newten")

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Cups (Elevator)

Clark, W. J., Co., Salem, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co. (Tin & Sheet Iron), Indianapolis, Ind.
Taylor Iron & Steel Co., High Bridge, N. J.

Cups (Force, Rubber)

Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hodgman Rubber Co., 806 B'way, New York
Knapp Mfg. Co., 20 Warren, New York
Morgan & Wright (Inc.), (Plumbers'), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Cups (Leather)

Houghton, E. F. & Co. ("Vici" Hydraulic, etc.), 240 Somerset, Phila., Pa.
Page Belting Co., Concord, N. H.
Schieren, Chas. A. & Co., 30 Ferry, New York

Cups (Plumbers' Soil)

BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), Newark, N. J.

*Cups (Priming)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Curbs (Valve)

American District Steam Co. (Cast Iron for Steam Underground Work), Lockport, N. Y.

*Curbs (Well, Wyckoff)

WYCKOFF, A. & SON CO., Elmira, New York. (See adv. index, end of book)

Currycombs

Arcade Mfg. Co. ("New Idea," etc.), Freeport, Ill.
Decker Mfg. Co. ("Arc Spring"), Keokuk, Ia.
Jackes-Evans Mfg. Co., St. Louis, Mo.
Kohler, F. E. & Co. ("Kohler," All Steel or Brass), Canton, O.
New York Stamping Co. ("Reform"), N 11th & Berry, Brooklyn, N. Y.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Phoenix Hardware Mfg. Co., Homer, N. Y.
Queen Mfg. Co., Webster City, Ia.
Southington Cutlery Co., Southington, Conn.
Sundries Mfg. Co., South Bend, Ind.
Union Furnace Mfg. Co., Union Furnace, Pa.

Curtains (Car)

(See Car Curtains & Materials)

*Curtains (Locomotive Cab)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)

Curtains (Rubber, Bath)

Empire Rubber Co., 115 Worth, New York
Goodyear India Rubber Glove Mfg. Co., 503 B'way, New York
Goodyear Rubber Co., 787 B'way, New York
Hodgman Rubber Co., 593 B'way, New York

*Curtains (Steel Rolling)

SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)

*Cushions (Billiard & Pool Table)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Cushions (Telephone Receiver)

Holtzer-Cabot Elec. Co., Brookline, Mass.
Huron Rubber Co., Cleveland, O.

Cuspidors

Aldrich Mfg. Co. (Brass), Buffalo, N. Y.
Atlantic Stamping Co. ("Atlantic," Galvanized Iron), Rochester, N. Y.
Bethlehem Foundry & Machine Co. (Cast Iron), Front, South Bethlehem, Pa.
Bridgeport Brass Co. (Brass & Self Righting), Bridgeport, Conn.
Buffalo Mfg. Co. (Brass, etc.), Buffalo, N. Y.
Central Stamping Co. (Cast Iron, Enameled Inside, Brass, Nickel-Plated & Nickel-Plated Tin), 174 Fulton, New York
Dayton Supply Co. (Brass, Nickel Self-Righting), Dayton, O.
Donaldson Bros. (Cast Iron), Mount Clemens, Mich.
Dover Stamping & Mfg. Co. (Cast Iron, Porcelain-Lined, Self-Righting; also Tin, Various Colors), Cambridge, Mass.
Excelsior Brass Works, Reading, Pa.
Freeport Novelty Co. ("Nodenta"), Freeport, Ill.
Geuder & Paeschke & Frey Co. (Japanned & Enameled), Milwaukee, Wis.
Goodrich, B. F. Co. (Rubber), Akron, O.
Goodyear Rubber Co. (Rubber), 787 B'way, New York
Gould-Mersereau Co. (Brass), 43 E 19th New York
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Ireland & Matthews Mfg. Co. (Brass & Nickel, Self-Righting), Detroit, Mich.
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
McKenna Bros. Brass Co. (Brass, etc.), Pittsburg, Pa.
Manhattan Brass Co. (Brass), 358 E 28th, New York
Manning, Bowman & Co. (Brass, Nickeled, Enamel & Tin), Meriden, Conn.
Marietta Hollow Ware & Enameling Co. (Enameled), Marietta, Pa.
Midland Metal Co. (Brass, Bronze & Plated), 21st & Jefferson, Philadelphia, Pa.
New Castle Stamping Co. (Enameled Steel), New Castle, Pa.
New England Enameling Co., Middletown, Conn.
Rochester Stamping Co., Rochester, N. Y.
Rostand Mfg. Co. (Brass, German Silver, Nickel & Bronze), Milford, Conn
St. Louis Brass Mfg. Co. (Brass), St. Louis, Missouri
Shepard, Sidney & Co. (Aluminum, Buffalo, N. Y., & 21 Cliff, New York
Sweeney, W. H. Mfg. Co. (Nickeled, Brass & Tin & Self-Righting, etc.), Brooklyn, N. Y.
Thompson, C. C. Pottery Co. (Porcelain), East Liverpool, O.
United Indurated Fibre Co. of N. J. ("Fibrotta" Indurated Fibre), Lockport, N. Y.
Vogel, Wm. & Bros. (Nickel Plated Steel & Copper with Removable Hopper), 37 S 9th, Brooklyn, N. Y.
Vollrath, J. J. Mfg. Co. (Enameled Iron), Sheboygan, Wis.
Wagner Mfg. Co. (Aluminum), Sidney, O.
Weller Hardware & Foundry Co., Horseheads, N. Y.

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Cutlery Mfrs.

Acme Shear Co. (Shears, Scissors, etc.), Bridgeport, Conn.
American Cutlery Co. (Table Cutlery), 198 Mather, Chicago, Ill.
American Shear & Knife Co. (Pocket Cutlery, Shears, etc.), Hotchkissville, Conn.
American Silver Co. (Table Cutlery), Bristol, Conn.
AMERICAN TAP & DIE CO. (Carvers, Table Knives, Silver Plated, etc.), Greenfield, Mass. (See adv. index, end of book)
Associated Silver Co. ("Yourex" Specialties), 174 E Lake, Chicago, Ill.
Bannister, A. F. & Co. (Pocket, etc.), Newark, N. J.
Bison Mfg. Co., Little Valley, N. Y. N. J.
Camillus Cutlery Co., Camillus, N. Y.
Canton Cutlery Co. ("C. C. Co." Pocket Knives, High Grade, Transparent Handle Pocket Knives, Razors, Shoe Buttoners, Ink Erasers, etc.), Canton, O.
Carrier Cutlery Co., Elmira, N. Y.
Case Bros. Cutlery Co., Kane, Pa.
Cattaraugus Cutlery Co. (Pocket), Little Valley, N. Y.
Challenge Cutlery Corporation (Pocket Knives & Razors), Bridgeport, Conn.
Chatillon, Jno. & Sons (Pocket Knives, "Fulton" Brand), 85 Cliff, New York
Christy Knife Co. (Bread, Cake, Ham & Kitchen Knives, Druggists' Spatulas & Lemon Slicers), Fremont, O.
Clauss Shear Co., Fremont, O.
Clayton Bros., Bristol, Conn.
Clement Mfg. Co., Northampton, Mass.
Clyde Cutlery Co. (Butcher, Bread & Kitchen Knives, etc.), Clyde, O.
Columbian Cutlery Co. (Butcher & Carving Knives, etc.), Reading, Pa.
Crook & Carrier Mfg. Co., Elmira, N. Y.
Divine, Dwight & Son (Pocket & Fine Pen Knives), (Trade Mark, "Ulster Knife Co." & "Ellenville Knife Co."), Ellenville, N. Y.
Eldred Cutlery Co., Eldred, Pa.
Electric Cutlery Co. (Pocket Cutlery, Razors, Shears, etc.), 25 Hackett, Newark, N. J.
Empire Knife Co. (Pocket Cutlery), Winsted, Conn.
Foster Bros. & Chatillon Co. (Pocket, Kitchen & Butchers' Cutlery), Fulton, N. Y.
Fremont Crescent Metal & Mfg. Co., Fremont, Ohio
Geneva Cutlery Co. ("Razors"), Geneva, N. Y.
Goodell Co. (Carving & Table Cutlery), Antrim, N. H.
Harrington Cutlery Co. ("Dexter," Butcher, Cheese, Shoe, Bread & Kitchen, etc.), Southbridge, Mass.
Havell Mfg. Co. (Metal Goods), Newark, N. J.
Heinrich's, R. Sons Co. (Shears, etc.), Newark, N. J.
Holley Mfg. Co. (Pocket), Lakeville, Conn.
Humason & Beckley Mfg. Co. (Pocket), New Britain, Conn.
International Cutlery Co., Fremont, O.
International Silver Co. (Silver Plated, etc.), Meriden, Conn.
Jackson Shear & Razor Co., Fremont, O.
Kastor, A. & Bros., 109 Duane, New York
Kern, Geo. W. Razor Mfg. Co. (Razors, Strops & Hones), Little Valley, N. Y.
Kimball, C. J. Co. (Kitchen, Butchers', Shoe & Drawing Knives, etc.), Bennington, N. H.
Klein, M. & Bro. ("M.-K. & B." Sun Table & Pocket), Bridgeport, Conn.
Knickerbocker Hardware Co. (Knives, etc.), 299 B'way, New York. Works: Newark, N. J.
Lamson & Goodnow Mfg. Co. (Table Cutlery, Carvers, Butchers', Painters', & Druggists' Knives), Shelbourne Falls, Mass.
Landers, Frary & Clark (Pearl, Ivory & Celluloid Handle Table Cutlery, Carving Sets, etc.), New Britain, Conn.
Lathrop, H. A. Mfg. Co. (Bread Knives, etc.), Sharon, Mass.
Marble Safety Axe Co. (Pocket & Hunting Knives, Pocket Axes, etc.), Gladstone, Michigan
Meriden Cutlery Co. (Cheese, Bread, etc.), Meriden, Conn.
Miller Bros. Cutlery Co. (Pocket, etc.), Meriden, Conn.
Morris Cutlery Co., Morris, Ill.
Napanoch Knife Co. (Pocket), Napanoch, N. Y.
National Cutlery Co. (Shears, Scissors, etc.), Westmoreland & Boudinot, Phila., Pa.
New York Knife Co. (Pocket Knives & Table Cutlery), 45 Murray, New York; Works: Walden, N. Y.
National Cutlery Co., Detroit, Mich.
Northampton Cutlery Co. (Table Cutlery), Northampton, Mass.
Northfield Knife Co. (Pocket Cutlery, Shears, etc.), Northfield, Conn.
Novelty Cutlery Co. (Pocket Knives, Razors, Folding Scissors, Ink Erasers, Dirk Knives, Letter Openers, Shoe Buttoners, Scalpel Lances, Souvenir Knives, etc.), Canton, O.
Ontario Knife Co. (Also Tools), Franklinville, N. Y.
Philadelphia Novelty Mfg. Co. (Cutlery Novelties), N 12th & Noble, Phila., Pa.
Robeson Cutlery Co., (Pocket, etc.), Rochester, N. Y.
Rogers, Wm. A. (Ltd.), Northampton, Mass.
Ross, Jos., Jr., & Co. (Corn Knives, Ink Erasers, etc.), Newark, N. J.
Russell, Jno. Cutlery Co. (Carvers, Table Cutlery, etc.), Turners Falls, Mass.
Schatt & Morgan Cutlery Co. (Pocket Knives, Razors & Shears), Titusville, Pa.
Schmid, Jno. M. & Son, Providence, R. I.
Schnefel Bros., 51 4th, Newark, N. J.
Silver Plate Cutlery Co. (Electro Silver Plated Table Cutlery), Derby, Conn.
Smith & Hemmenway Co. (Also Importers), 108 Duane, New York
Sperry & Alexander (Also Importers), 300 B'way, New York
Tuck Mfg. Co. (Shoe & Banana Knives, etc.), Brockton, Mass.
Valley Forge Cutlery Co., Newark, N. J.
Walden Knife Co. (Press-Button Pocket Knives), Walden, N. Y.
Wallace, R. & Sons Mfg. Co. (Silver Plated Table Cutlery, etc.), Wallingford, Conn.
Washington Cutlery Co., Watertown, Wis.
Waterville Cutlery Co. (Shears, etc.), Waterville, Conn.
Williams Bros. Mfg. Co. (Silver Plated Table Cutlery, etc.), Naubuc, Conn.
Wiss, J. & Sons Co. (Shears, Scissors, Razors, etc.), Newark, N. J.
Woodworth Knife Works, Nunda, N. Y.
Wyoming Cutlery Co., Wilkes-Barre, Pa.

Cut-Outs (Arc Light)

Abbott Mfg. Co., Cleveland, O.
Bernard, E. G. Co. (Powers"), Troy, N. Y.
Brady, T. H., New Britain, Conn.
Bryant Electric Co. ("Bryant-Cleveland"), Bridgeport, Conn.
Fort Wayne Electric Works ("Wood"), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
High Tension Electrical Specialty Co., Newton, Mass.
Lundin Electric & Machine Co., Boston, Mass.
Philadelphia Electrical & Mfg. Co., 1234 N 31st, Phila., Pa.
Wurback, Wm. Electric Mfg. Co., St. Louis, Mo.

Cut-Outs (Battery)

Boston Electric Co., Boston, Mass.
Electric Goods Mfg. Co. (Automatic Sectional), Boston, Mass.
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Syracuse Electric Co., Syracuse, N. Y.
Voltamp Elec. Mfg. Co., Baltimore, Md.

Cut-Outs (Incandescent)

(Rosettes & Branch Blocks)

Bryant Electric Co. ("K-W"), Bridgeport, Conn.
Connecticut Elec. Mfg. Co., Bantam, Conn.
Crouse, Hinds Co. ("Norbitt"), Syracuse, N. Y.
Davis, M. & Sons (Incandescent), Salem, O.
Elm City Engineering Co. ("H. & M." Branch Blocks Only), New Haven, Conn.
Empire Elec. Mfg. Co., Plainville, Conn.
Foote, Pierson & Co. (Telephone Storage Battery), 160 Duane, New York
Freeman, E. H. Elec. Co., Trenton, N. J.
GENERAL ELECTRIC CO. (Arc & Incandescent), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gilmore Electric Co., S. B., Boston, Mass.
Gleason, E. P. Mfg. Co. (Incandescent), 37 Murray, New York
Hart Mfg. Co. ("Hartford"), Hartford, Conn.
Heineman, G. M. & Co., 500 Girard av, Phila., Pa.
Holtzer-Cabot Electric Co. (Battery, etc.), Brookline, Mass.
Ideal Switch Co., Plainville, Conn.
Jones & Gross Elec. Co., 62 Vesey, New York
Jordan Bros. (Splice Protectors Only), 74 Beekman, New York
Knowles, Chas. S. ("K. P.," "Moffett"), Boston, Mass.
Manhattan Electrical Supply Co. ("Masco"), 17 Park pl, New York
Marshall Electric Co. ("M. S."), Boston, Mass.
Mutual Elec. & Machine Co. ("Mutual"), Wheeling, W Va.
Paiste, H. T. Co. ("Shaffer," "K. W.," "P. K.," "Taplets"), Arch & 32d, Phila., Pa.
Pass & Seymour ("Little Gem"), Solvay, N. Y.
Perkins Electrical Switch & Mfg. Co. ("Thomas"), Bridgeport, Conn.
Peru Electric Mfg. Co. ("National"), Peru, Ind.
Tregoning Elec. Mfg. Co., Cleveland, O.
Trumbull Electric Mfg. Co. ("Kappa"), Plainville, Conn.
Weber Electric Co. (Henry D. Sears, Gen'l Sales Agent), 131 State, Boston, Mass.
WESTINGHOUSE ELECTRIC & MFG. Co. (Incandescent, Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Worcester Electric Mfg. Co., Worcester, Mass.
Yost Elec. Mfg. Co., Toledo, O.

Cut-Outs (Telephone)

American Electric Fuse Co., Muskegon, Mich.
Sterling Electric Co., Lafayette, Ind.

Cut-Outs (Transformer)

D & W FUSE CO. (Entrance, Railway Transformer), Providence, R. I. (See adv. index, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Pass & Seymour, Solvay, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Cutters (Alfalfa & Clover)

Commercial Mfg. Co. ("Young America" Hand, Belt & Power), Cleveland, O.

Cutters (Angular)

Becker Milling Machine Co., Hyde Park, Massachusetts
Brown & Sharpe Mfg. Co., Providence, R. I.
Clough, R. M., Tolland, Conn.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Central av & P. Ry., Cleveland, O.
Surerus & Greenhill, 109 Racine av, Chicago, Ill.
Union Twist Drill Co., Athol, Mass.

Cutters (Arc Lamp Carbon)

Hagstrom Bros. Mfg. Co., Lindsborg, Kans.
Lundin Elec. & Machine Co., Boston, Mass.

Cutters (Axle)

Buffalo Forge Co., Buffalo, N. Y.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.
Keller Mfg. Co. ("Keller"), Sauk Center, Minn.

Cutters (Belt)

(See Belt Cutting Machines)

Cutters (Boiler Tube)

(See Cutters, Tube)

Cutters (Bolt)

Acme Machinery Co., Cleveland, O.
Box, Alfred, Co. (With Multiple Dies), 813 N Front, Phila, Pa.
Boynton & Plummer (Hand & Power), Worcester, Mass.
Brown, H. B. Co. ("Merriman"), East Hampton, Mass.
Chambers Bros. Co. ("Chambers" Open Side), 52d below Lancaster av, Philadelphia, Pa.
Dedrick & Harvey Machine Co., Baltimore, Md.
Eilers, H. P. Mfg. Co., 26 S Water, Cleveland, Ohio

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Foote-Burt Co., 4101 St. Clair av, N E, Cleveland, O
Haberle & Graham (Becher Open Die Head), South Bend, Ind
IRVING MFG. & TOOL CO. (J. F. McCoy Co. Prop.), 169 Chambers, New York. (See adv. index, end of book)
Landis Machine Co., Waynesboro, Pa.
Mummert, Wolf & Dixon Co. ("Plurality" Die Bolt), Hanover, Pa.
National Machinery Co., Tiffin, O.
New Haven Mfg. Co., New Haven, Conn.
Newton Machine Tool Works, 2347 Vine, Phila, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co. (Turret), Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Reece, E. F. Co., Greenfield, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Way-Walker Machine Co., Lansing, Mich.
Webster & Perks Tool Co., Springfield, O.
WELLS BROS. CO. ("Little Giant," Bench), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Green River" Hand Bolt Cutter & Nut Tapper), Greenfield, Mass.

Cutters (Bone)

Adams Steel & Wire Works, Joliet, Ill.
Fraser Bros. Co., Adams, N. Y.
Hobart Electric Mfg. Co. ("Hobart" Electric Green Bone), Troy, O.
Humphrey & Sons, Joliet, Ill.
Mann, F. W. Co. (For Poultry Food), Milford, Mass.
Standard Bone Cutter Co., Milford, Mass.
Stearns, E. C. & Co. (Power or Hand), Syracuse, N. Y.
Wilson Bros. ("Crown"), Easton, Pa.
Wilson, I. N. & Son, Cazenovia, N. Y.

Cutters (Bread)

(See also Slicers)

Buffalo Specialty Co. (Lightning), Buffalo, N. Y.

Cutters (Brick & Drain Tile)

Arnold-Creager Co., New London, O.
Bonnot Company (Revolving), Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Cox, Geo. S., East Liverpool, O.
Freese, E. M. & Co. (Automatic Brick), Galion, Ohio

Cutters (Button Hole)

Heinesch's, R. Sons Co., Newark, N. J.
Kraeuter & Co., 577 18th, Newark, N. J.
National Cutlery Co. ("National"), Westmoreland & Boudinot, Phila., Pa.
Wiss, J. & Sons Co. ("Bauers"), Newark, N. J.

Cutters (Card)

(See Card Cutting Machines; For Page Number Consult Index of Contents)

Cutters (Cast Iron Pipe)

Ellis-Ford Mfg. Co., Detroit, Mich.
Smith, A. P. Mfg Co., Newark, N. J.

Cutters (Cheese)

American Cheese Cutter Co., Anderson, Ind.
Computing Cheese Cutter Co., Anderson, Ind.
Standard Mfg. Co., Auburn, Ind.
Stortz, John, & Son (Revolving Table), 210 Vine, Phila., Pa.

Cutters (Cigar)

Bedortha, Lawrence L., Windsor, Conn.
Billings & Spencer Co., Hartford, Conn.
Bridgeport Hardware Mfg. Co., Bridgeport, Conn
Brunhoff Mfg. Co. (Cutter & Lighter Combined), Cincinnati, O.
Havell Mfg. Co., Newark, N. J.
National Selling Co., Allentown, Pa.
Taylor Mfg. Co., Hartford, Conn.

Cutters (Cloth)

(See Cutting Machines, Cloth)

Cutters (Clover)

Silver Mfg. Co. ("New Model"), Salem, O.
Stearns, E. C. & Co. ("New Model"), Syracuse, N. Y.

Cutters (Cocoanut)

Hillyard & Co., 75 Fulton, New York

Cutters (Convex & Concave)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Clough, R. M., Tolland, Conn.
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn
Standard Tool Co., Central av & P. Ry., Cleveland, O.
Union Twist Drill Co., Athol, Mass.

*Cutters (Core Oven)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Cutters (Core Wire)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS. 115 B'way, New York. (See adv. index & branch offices, end of book)

Cutters (Corn)

American Fork & Hoe Co., Cleveland, O.
New Process Mfg. Co., Salina, Kan.
Rittenhouse, C. & Sons, Norristown, Pa.

Cutters (Ensilage)

Appleton Mfg. Co., Batavia, Ill.
Belle City Mfg. Co., Racine, Wis.
Comstock, Geo. S. ("Safe Lion"), Mechanicsburg, Pa.
Dick, Jos. Agricultural Works, Canton, O.
Emery, G. J. ("Kendrick"), Fulton, N. Y.
Gehl Bros. Mfg. Co., West Bend, Wis.
Heebner & Sons, Lansdale, Pa.
Lyon Iron Works, Greene, N. Y.
Messenger Mfg. Co., Tatamy, Pa.
New Winona Mfg. Co., Winona, Minn.
Ross, E. W. Co., Springfield, O.
Rowell, I. B. Co. (With Chain Elevator or Blower), Menomonee Falls, Wis.
St. Albans Foundry & Implement Co., St. Albans, Vt.
Silver Mfg. Co. ("Ohio" Power), Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.
Star Mfg. Co. (& Carriers), Carpentersville, Ind.
Warsaw-Wilkinson Co., Warsaw, N. Y.

Cutters (Face Milling)

Becker Milling Machine Co. (with Inserted Teeth), Hyde Park, Mass.
Harrison & Knight Mfg. Co. (High Speed Combined Roughing & Finishing), 60 Shipman, Newark, N. J.
MORSE TWIST DRILL & MACHINE Co. (With Inserted Teeth), New Bedford, Mass. (See adv. index, end of book)

Cutters (Feed)

Ann Arbor Machine Co., Ann Arbor, Mich.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belle City Mfg. Co., Racine, Wis.
Challenge Co., Batavia, Ill.
Comstock, Geo. S. ("K. D." & "O. K."), Mechanicsburg, Pa.
Dick, Jos. Agricultural Works, Canton, O.
Donaldson Bros., Mount Clemens, Mich.
Ellis Keystone Agricultural Works ("Keystone" Ensilage & Feed Cutter), Pottstown, Pa.
Farmers Mfg. Co., Sebring, O.
Farquhar, A. B. Co., York, Pa.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glasscock Stove & Mfg. Co., Greensboro, N. C.
Globe Foundry & Machine Co. (With or Without Blower Elevator), Sheboygan, Wis.
Gowanda Agr'l Works (Hand), Gowanda, N. Y.
Hartford Plow Works, Hartford, Wis.
Heebner & Sons, Lansdale, Pa.
Hench & Dromgold Co., Inc., York, Pa.
Keystone Farm Machine Co. (Hand or Power), York, Pa.
Lehr Agricultural Co., Fremont, O.
Lyon Iron Works, Greene, N. Y.
Marseilles Mfg. Co. (Steam or Horse Power), Marseilles, Ill.
Messinger Mfg. Co. (Hand & Power), Tatamy, Pa.
Moore Plow & Implement Co., Greenville, Mich.
New Winona Mfg. Co., Winona, Minn.
Papec Machine Co., Lima, N. Y.
Parlin & Orendorff Co., Canton, Ill.
Rittenhouse, C. & Sons, Norristown, Pa.
Ross, E. W. Co., Springfield, O.
Rowell, I. B. & Co., Menomonee Falls, Wis.
Sellers, Edw., Oakhall Station, Pa.
Silver Mfg. Co. ("Ohio" Hand & Power Plantation, Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.

"MORSE" CUTTERS

EITHER OF CARBON OR HIGH SPEED STEEL

WHEREVER THE NAME OF "MORSE" IS FOUND IN CONNECTION WITH TOOLS MADE BY THE MORSE TWIST DRILL & MACHINE CO., NEW BEDFORD, MASS., IT MEANS EVERYTHING DESIRABLE IN A TOOL, WHETHER DRILLS, REAMERS, CUTTERS, CHUCKS, TAPS, DIES OR ANY OTHER LINES MADE BY US.

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Smith, D. B. & Co. (Hay), Utica, N. Y.
Spangler Mfg. Co. ("Little Giant"), York, Pa.
Star Mfg. Co., Carpentersville, Ill.
Thornburg Mfg. Co. ("Peerless" Hand Lever), Bowling Green, O.
Westbrooks Elevator Co., Danville, Va.
White, E. R. & Bro., Norfolk, Va.
Williams Bros. ("Cheap & Good"), Ithaca, N. Y.

Cutters (Fillet Leather)

Milwaukee Foundry Supply Co., Milwaukee, Wis.

Cutters (Flue)

Faessler, J. Mfg. Co. ("Perfect"), Moberly, Mo.
Lovejoy Tool Works (Hole), 90 Ohio, Chicago, Ill.
Mansfield Machinery & Supply Co. (Flue Expander & Cutter), Mansfield, O.
Murphy, Christopher & Co. ("O'Neill"), First Nat'l Bank bldg, Chicago, Ill.
Standard Railway Equipment Co., Nat'l Bank of Commerce bldg, St. Louis, Mo.

Cutters (Fodder)

Appleton Mfg. Co., Batavia, Ill.
Comstock, Geo. S. ("Safe Lion"), Mechanicsburg, Pa.
Dick, Jos. Agricultural Works, Canton, Ill.
Ellis Keystone Agricultural Works ("Keystone" with Crusher Attachment), Pottstown, Pa.
Emeny, G. J., Fulton, N. Y.
Eureka Mower Co. (Hand, etc.), Utica, N. Y.
Harrison, W. R. & Co., Massillon, O.
Lyon Iron Works, Greene, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Star Mfg. Co., Carpentersville, Ill.

Cutters (Formed & Formed Milling)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Union Twist Drill Co., Athol, Mass.

Cutters (Gang)

Becker Milling Machine Co., Hyde Park, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of Pratt & Whitney Co., Hartford, Conn. book)
Surerus & Greenhill, 109 Racine av, Chicago, Ill.
Union Twist Drill Co., Athol, Mass.

*Cutters (Gate)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Cutters (Gauge Glass)

Ashcroft Mfg. Co., 85 Liberty, New York. Works, Bridgeport, Conn.
Bonney Vise & Tool Works, Allentown, Pa.
Chesterton, A. W. & Co. ("McGregor" Scotch), 64 India, Boston, Mass.
Hunt, Alex E. ("Hunt's" for Cutting Gauge Glasses), Scranton, Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Monce, S. G., Unionville, Conn.
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Newark Brush & Scraper Co. ("Newark"), Newark, N. J.
Pancoast, Hy. B. & Co. ("Simplex"), 243 S 3d, Phila., Pa.
ROGERS, H. A. CO. ("Favorite"), 19 John, New York. (See adv. index, end of book)
Worcester Brush & Scraper Co. ("Fletcher," "Worcester"), Worcester, Mass.

Cutters (Gear)

(See Gear Cutting Machines)

Cutters (Glass)

Barrett, W. L., Bristol, Conn.
Brown & Dowd Mfg. Co. (Rolling Steel Wheel, etc.), Meriden, Conn.
Fletcher, Terry & Co. (Interchangeable & Standard Styles), Forestville, Conn.
Goodell-Pratt Co. (with Turrett Head), Greenfield, Mass.
Mayhew, H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Millers Falls"), 28 Warren, New York; Works: Millers Falls, Mass.
Monce, S. G. ("Monce" Steel Wheel), Unionville, Conn.
Pritchard-Strong Co., Rochester, N. Y.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Smith & Hemmenway Co. ("Red-Devil"), 108 Duane, New York
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Cutters (Glass Tube)

(See Cutters, Gauge Glass)

Cutters (Gummer)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Butterfield & Co., Derby Line, Vt.
Mixter, J. W. Saw Tool Co. ("Mixter's XX"), Plymouth, Mass.

Cutters (Hand Hole)

Chase Turbine Mfg. Co., Orange, Mass.

Cutters (Hog Nose)

Pratt, Wm. E. Mfg. Co. ("Dr. Millers"), 91 Lake, Chicago, Ill.

Cutters (Index)

Wrigley, Thos., Co. ("Perfection"), 800 Dearborn, Chicago, Ill.

Cutters (Inserted Teeth)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
MORSE TWIST DRILL & MACHINE Co. (Face & Side Milling), New Bedford, Mass. (See adv. index, end of book)
Union Twist Drill Co., Athol, Mass.

*Cutters (Interlocking)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Cutters (Involute)

Becker Milling Machine Co., Hyde Park, Mass
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Union Twist Drill Co., Athol, Mass.

Cutters (Iron Bar & Rod)

(See also Cutters, Rod & Wire)

Buffalo Forge Co. (Angle Iron), Buffalo, N. Y.
Commercial Mfg. Co. (Hand Power), Cleveland, O.
Mersick, C. S. & Co., 286 State, New Haven, Conn.
Star Forge Co. ("Star" Armor Plate, Hand), Buffalo, N. Y.

Cutters (Key-Way)

(See Key Seating Machines; also Milling Machines)

Cutters (Kraut)

Atkins, E. C. & Co., Indianapolis, Ind.
Kelso & Co., 209 S Clinton, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
National Saw Co., Newark, N. J.
Peck, Stow & Wilcox Co., 27 Murray, New York
Smith's, Jno. E. Sons Co., Buffalo, N. Y.
Tucker & Dorsey Mfg. Co. ("Atkins Queen"), Indianapolis, Ind.

Cutters (Lace Leather)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Greene, Tweed & Co. ("Earle"), 109 Duane, New York

Cutters (Lead Pipe)

BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Lord, L. L. Co. ("Lord"), Meadville, Pa.
Johnson Wm. (Hedenberg Works), (Plumbers'), Newark, N. J.
St. Paul Gas Light Co., St. Paul, Minn.
Saunders', D. Sons, Yonkers, N. Y.
Vanderman Plumbing & Heating Co., Willimantic, Conn.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

Cutters (Lock Corner Box)

Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Cutters (Meat)

Athol Machine Co., Athol, Mass.
Chatillon, Jno. & Sons, 85 Cliff, New York
Enterprise Mfg. Co., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Peck, Stow & Wilcox Co., 27 Murray, New York
Rollman Mfg. Co., Mount Joy, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Smith & Hemmenway Co., 108 Duane, New York

Cutters (Metal Slitting)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Gay & Ward, Athol, Mass.
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.

Cutters (Milling)

American Die & Tool Co., Reading, Pa.
Becker Milling Machine Co., Hyde Park, Mass.
Boker, Hermann & Co. ("Novo" Steel), 108 Duane, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati-Bickford Tool Co. (Multiple Spindle), Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M. (also Gear), Tolland, Conn.
Dwight Slate Machine Co., Hartford, Conn.
Erlandsen, Julius, 172 Centre, New York
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Garvin Machine Co., 137 Varick, New York
Harrison & Knight Mfg. Co. (End, Face & Side), 60 Shipman, Newark, N. J.
Huther Bros. Saw Mfg. Co. ("Rochester"), Rochester, N. Y.
Indianapolis Tool & Mfg. Co. (Formed), 518 S Capitol av, Indianapolis, Ind.
Ingersoll Milling Machine Co., Rockford, Ill.
MORSE TWIST DRILL & MACHINE Co. (for Mitre & Bevel Gears), New Bedford, Mass. (See adv. index, end of book)
National Tool Co., Cleveland, O.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Newton Machine Tool Works (Inc.) (Perforated for Internal Lubrication), 2343 Vine, Phila., Pa.
NUTTALL, R. D. & CO., Pittsburg, Pa. (See adv. index, end of book)
Polk, A. J. & Son (also Side Milling), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Rogers, Jno. M. Works, Gloucester, N. J.
Standard Tool Co., Cleveland, O.
Surerus & Greenhill ("Eynon's"), 109 Racine av, Chicago, Ill.
Swaine, F. J. Co., 930 N Main, St. Louis, Mo.
Tabor Mfg. Co. ("Taylor-Newbold" High Speed Steel), 18th & Hamilton, Phila., Pa.
Taylor-Shantz Co. (Forming & Milling), 236 Mill, Rochester, N. Y.
Thurston Mfg. Co. (Jewelers), Providence, R. I.
Union Twist Drill Co. (Inserted Tooth), Athol, Mass.

Cutters (Moulding)

American Steam Pump Co. (Solid Steel), Battle Creek, Mich.
Oldham, Joshua & Sons (Inc.), Brooklyn, N. Y.
Thomson, W. S., 418 W 27th, New York

Cutters (Paper)

(See Paper Cutting Machines)

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Cutters (Paper, Hand)

Ross, Jos., Jr., & Co., Newark, N. J.

Cutters (Pinion)

(See Gear Cutting Machines)

Cutters (Pipe)

(See also Pipe Cutting & Threading Machines)

AMERICAN TAP & DIE CO. (Wheel & Roller Style), Greenfield, Mass. (See adv. index, end of book)

ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)

Ayes & Co. ("Saunders" Pattern), 57 Ellen, Chicago, Ill.

Barnes Tool Co. ("Genuine Barnes"), New Haven, Conn.

Bignall & Keeler Mfg. Co., Edwardsville, Ill.

Brown, H. B. Co., East Hampton, Conn.

Butterfield & Co., Derby Line, Vt.

Collmer Bros. ("Saunders' Pattern"), South Bend, Ind.

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Curtis & Curtis Co., Bridgeport, Conn.

Ellis-Ford Mfg. Co. ("Ellis"), Detroit, Mich.

Fox Machine Co., Grand Rapids, Mich.

Hollands Mfg. Co., Erie, Pa.

Keller Mfg. Co. ("Keller"), Sauk Center, Minn.

Livermore, Homer F. ("Grant"), 85 Pearl, Bos-

Mark Mfg. Co., Evanston, Ill. ton, Mass.

MURCHEY MACHINE & TOOL CO. ("Murchey," Rapid Roller Pipe Cutter), 52 Porter, c 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)

Oswego Tool Co. ("Saunders Pattern," "Barnes" Improved Three Wheel & Oswego One Wheel, etc.), Oswego, N. Y.

Pancoast, Hy B., & Co. ("Eureka"), 243 S.

Reed Mfg. Co., Erie, Pa. 3d, Phila., Pa.

Rumsey & Co. (Ltd.) ("Stanwood"), Three Wheel) Seneca Falls, N. Y.

Saunders, D. Sons, Yonkers, N. Y.

Smith, A. P. Mfg. Co., Newark, N. J.

Trimont Mfg. Co. ("Trimo"), Roxboro, Boston, Mass.

Walworth Mfg. Co. (Halls, for Cast Iron Water Mains), 136 Federal, Boston, Mass.

Wells, F. E. & Son Co. ("Wells"), Greenfield,

Williams Tool Co., Erie, Pa. Mass.

Cutters (Pneumatic Stay-Bolt)

(See Pneumatic Staybolt Cutters)

Cutters (Porcelain Tube)

(See Cutters, Arc Lamp Carbon)

Cutters (Rack)

Baker Bros. ("Colburn"), Toledo, O.

Brown & Sharpe Mfg. Co., Providence, R. I.

Gay & Ward, Athol, Mass.

Putnam Machine Co., Fitchburg, Mass.

Reed, F. E. Co., Worcester, Mass.

Cutters (Rod & Wire)

Armstrong-Blum Mfg. Co. ("Marvel"), 104 N Francisco av, Chicago, Ill.

Belden Machine Co., New Haven, Conn.

Billings & Spencer Co. ("Hayden" Combined Wire Cutter & Gas Pliers, etc.), Hartford, Conn.

Braunsdorf-Mueller, Co., Elizabeth, N. J.

Bridgeport Hardware Mfg. Co. ("The Jumbo"), Bridgeport, Conn.

Chambers Bros. Co. ("Johnson's," "Menahan's" & "Chambers" Improved), 52d & Lancaster av, Philadelphia, Pa.

Chandler & Farquhar Co., 36 Federal, Boston, Mass.

Cronk & Carrier Mfg. Co. ("Cronk" Wire Cutter & Bender), Elmira, N. Y.

Crescent Tool Co. (For Wire Only), Jamestown, N. Y.

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Keller Mfg. Co. ("Keller"), Sauk Center, Minn.

Kilborn & Bishop Co. ("Drop Forged), 81 Lloyd, New Haven, Conn.

King, J. M. Co. (Inc.), ("Button's"), Waterford, N. Y.

NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)

Oliver, W. W. Mfg. Co. (Jewelers, etc.), 1483 Niagara, Buffalo, N. Y.

Schlueter, M. L., 36 S Canal, Chicago, Ill.

Utica Drop Forge & Tool Co., Utica, N. Y.

Viking Shear Co. ("Viking"), Erie, Pa.

Cutters (Roll Paper)

Hilts Wrench & Mfg. Co. ("New York," "Eclipse" & "Reversible"), Richford, N. Y.

West Mfg. Co., Columbus, O.

Cutters (Root)

Abbe Engineering Co., 220 B'way, New York

Donaldson Bros., Mount Clemens, Mich.

Greenville Implement Co., Greenville, Mich.

Lane Bros. Co. ("Lane's"), Poughkeepsie, N. Y.

Silver Mfg. Co. ("Rapid"), Salem, O.

Whitehurst, R. W. Co., Norfolk, Va.

Cutters (Screw Slotting)

Becker Milling Machine Co., Hyde Park, Mass.

Brown & Sharpe Mfg. Co., Providence, R. I.

Clough, R. M., Tolland, Conn.

Disston, Hy. & Sons (Inc.), Tacony, Philadelphia, Pa.

MORSE TWIST DRILL & MACHINE CO. New Bedford, Mass. (See adv. index, end of book)

Pratt & Whitney Co., Hartford, Conn.

Union Twist Drill Co., Athol, Mass.

Cutters (Segment)

Marquette, Jno. N., 507 S Eden, Baltimore, Md.

Cutters (Side Milling)

Becker Milling Machine Co., Hyde Park, Mass.

Brown & Sharpe Mfg. Co., Providence, R. I.

Harrison & Knight (High Speed), 60 Shipman, Newark, N. J.

MORSE TWIST DRILL & MACHINE Co. (Or Heading Mills; also With Inserted Teeth), New Bedford, Mass. (See adv. index, end of book)

National Twist Drill & Tool Co. ("National"), Detroit, Mich.

Standard Tool Co., Central av & P. Ry., Cleveland, O.

Union Twist Drill Co. (With Inserted Teeth, etc.), Athol, Mass.

Cutters (Sleet)

(For Removing Sleet from Trolley Wires)

Bayonet Trolley Harp Co. ("Butterfly"),

Electric Service Supplies Co. ("O-K"), 1020 Filbert, Phila., Pa.

Eureka Tempered Copper Co. ("Eureka"), North East, Pa.

Garton, W. R. Co. ("Sloan"), 118 W Jackson boul, Chicago, Ill.

Matthews, W. N., & Bro. ("Matthews' O. K.") St. Louis, Mo.

NUTTALL, R. D. CO. ("U-S"), Pittsburg, Pa. (See adv. index, end of book)

Osborne, H. A., New Britain, Conn.

Cutters (Soil Pipe)

Ellis & Fort Mfg. Co. ("Ellis"), Detroit, Mich.

*Cutters (Solder)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Cutters (Spiral Mill)

(See Cutters, Side Milling)

Cutters (Sprocket)

Becker Milling Machine Co., Hyde Park, Mass.

Brown & Sharpe Mfg. Co., Providence, R. I.

MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)

Pratt & Whitney Co., Hartford, Conn.

Standard Tool Co., Central av & P. Ry., Cleveland, O.

Union Twist Drill Co., Athol, Mass.

Cutters (Sprue, Foot & Power)

Adams Company ("Steel Tubular"), Dubuque, Ia.

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Brass Founders' Supply Co. (Hand & Power for Brass Founders), Newark, N. J.

Gould & Eberhardt (or Gate), Newark, N. J.

Hilles & Jones Co., Wilmington, Del.

Middleditch, Benj., Detroit, Mich.

NORTHERN ENGINEERING WORKS (For Brass Founders), Detroit, Mich. (See adv. index & branch offices, end of book)

Paxson, J. W. Co. ("J-W-P & Co."), Phila.,

Perkins Machine Co., Warren, Mass. Pa.

SHUSTER, F. B. CO., (Foot & Power), New Haven, Conn. (See adv. index, end of book)

Standard Machinery Co., Providence, R. I.

Toledo Machine & Tool Co, Toledo, O.

Turner Machine Co., 2049 N 2d, Phila., Pa.

Cutters (Stalk)

Avery, B. F. & Sons (Spiral or Straight Knife), Louisville, Ky.

Avery Co. ("Avery," Spiral Knife), Peoria,

Bradley, David Mfg. Co., Bradley, Ill. Ill.

Deere & Mansur Co., Moline, Ill.

Gale Mfg. Co. (Single Row), Albion, Mich.

Galesburg Coulter-Disc Co. ("Brown"), Galesburg, Ill.

Kingman Plow Co., Peoria, Ill.

Lehr Agricultural Co., Fremont, O.

Moline Plow Co. (Single & Double Row), Moline, Ill.

Parlin & Orendorff Co., Canton, Ill.

Peoria Drill & Seeder Co. ("Union"), Peoria, Ill.

Peru Plow & Wheel Co. (Single & Double-Row), Peru, Ill.

Rock Island Plow Co., Rock Island, Ill.

St. Albans Foundry & Implement Co., St. Albans, Vt.

St. Joseph Plow Co. (Single & Double Row), St.

Sterling Mfg. Co., Sterling, Ill. Joseph, Mo.

Cutters (Stay-Bolt)

(See also Pneumatic Staybolt Cutters)

Stow Flexible Shaft Co., N 26th & Buttonwood, Philadelphia, Pa.

Underwood, H. B. & Co., 1023 Hamilton, Philadelphia, Pa.

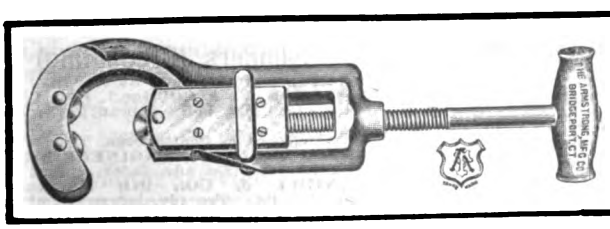
Cutters (Stocking)

Becker Milling Machine Co. (For Involute Gears), Hyde Park, Mass.

Gould & Eberhardt, Newark, N. J.

MORSE TWIST DRILL & MACHINE Co. (For Involute Gears), New Bedford, Mass. (See adv. index, end of book)

Union Twist Drill Co. (For Gears), Athol, Mass.



ARMSTRONG MODEL B **PIPE CUTTER**

TWO OF THESE CUTTERS WILL DO THE WORK OF THREE ORDINARY CUTTERS

MANUFACTURED BY

THE ARMSTRONG MFG. CO., Bridgeport, Conn.

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Cutters (T-Slot)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Union Twist Drill Co., Athol, Mass.

Cutters (Tap & Reamer)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Union Twist Drill Co., Athol, Mass.

Cutters (Tobacco, Counter)

Enterprise Mfg. Co. ("Enterprise"), Dauphin & 3d, Phila., Pa.
Erie Specialty Co., Erie, Pa.
Griswold Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co. ("Brighton," "Perfection," "Superior"), 326 B'way, New York
Landers, Frary & Clark ("Lee's"), New Britain, Conn.
North Bros. Mfg. Co. ("American," also Shaves), Lehigh av & American, Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

Cutters (Tube)

Ayes & Co., 57 Ellen, Chicago, Ill.
Faessler, J. Mfg. Co., Moberly, Mo.
Fox Machine Co., Grand Rapids, Mich.
Hayes, Harrison, 41 Cross, Portland, Me.
Lagonda Mfg. Co. (Boiler Tube Cutters), Springfield, O.
Murphy, Christopher & Co. ("O'Neill's" Rapid. Operated by Hand or Motor), First Nat'l Bank bldg, Chicago, Ill.
Wiedeke, Gustav & Co. ("Wiedeke," "Ideal" & "Dayton" Self-Feed), Dayton, O.

Cutters (Twist Drill)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Union Twist Drill Co., Athol, Mass.

Cutters (Vegetable)

American Fork & Hoe Co., Cleveland, O.
Ames Plow Co., Boston, Mass.
Aspinwall Mfg. Co., Jackson, Mich.
Athol Machine Co., Athol, Mass.
Belcher & Taylor, Chicopee, Mass.
Eddy Plough Co., Greenwich, N. Y.
Goodell Co., Antrim, N. H.
Humphrey & Sons, Joliet, Ill.
Landers, Frary & Clark, New Britain, Conn.
Mann, F. W. Co., Milford, Mass.
Peck, Stow & Wilcox Co., 27 Murray, New York
Rollman Mfg. Co., Mt. Joy, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Silver Mfg. Co. ("Rapid"), Salem, O.
Standard Bone Cutter Co., Milford, Mass.
Stearns, E. C. & Co., Syracuse, N. Y.
Tucker & Dorsey ("Atkins Queen"), Indianapolis, Ind.

Cutters (Veneer)

(See Veneer Cutting Machines)

Cutters (Washer & Gasket)

BERNZ, OTTO ("Haggerty" & Registering, etc.), S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Bonney Vise & Tool Works, Allentown, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Goodell-Pratt Co., Greenfield, Mass.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Kraeuter & Co., 577 18th av, Newark, N. J.
McCrea, Jas. & Co. ("Century"), 67 W Washington, Chicago, Ill.
Rose, J. A., Hastings, Neb.
Smith, Otis A. (Washer Cutters Only), Rockfall, Conn.
Stortz, Jno., & Son (Washer), 210 Vine, Phila., Pa.

Cutters (Wire)

(See Cutters, Rod & Wire)

*Cutting Apparatus for Harvesters & Mowers

WHITMAN & BARNES MFG. CO., Chicago, Ill., & Akron, O. (See adv. index & branch offices, end of book)

Cutting of Metal (Oxhydric Process)

Falk Co., Milwaukee, Wis.
American Oxyhydric Co., Milwaukee, Wis.

Cyanide

Braun, F. W., Los Angeles, Cal.
Crooks, Robert, & Co., 138 Front, New York
Harrison Bros. & Co. (Inc.) (Cyanide of Soda), 35th & Gray's Ferry rd, Philadelphia, Pa.
Mallinckrodt Chemical Works, St. Louis, Mo
Roessler & Hasslacher Chemical Co., 100 William, New York
Selby Smelting & Lead Co., San Francisco Cal.
Washington Cyanide Co., Blewett, Wash.

Cyanide Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Blaisdell Co., Los Angeles, Cal.
Chalmers & Williams, Commercial Nat'l Bank bldg, Chicago, Ill.
Hendryx Cyanide Machinery Co., Denver, Colo.
Hendy, Joshua Iron Works, San Francisco, Cal.
Pacific Tank Co., Los Angeles, Cal.
Redwood Manufacturers Co., San Francisco Cal.
Traylor Engineering Co., Allentown, Pa.

Cycles (Motor)

(See Motor Cycles)

Cycles (Railway)

(See Cars, Velocipede)

Cyclometers

(See Indicators, Speed)

Cylinder Re-Boring

Ambrose Machine Co. ("In Position"), Eagle & Provost, Brooklyn, N. Y.
Gardner & Carey ("St. John" Cylinder), 80 Broad, Boston, Mass.
Lindstrom, Jno. F., Allentown, Pa.
Mathews, Hugh, Kansas City, Mo.
Renton, Wm., 101 Water, Pittsburg, Pa.
Ruwell, W. F., 919 Ridge av, Phila., Pa.
Underwood, H. B. & Co., 1023 Hamilton, Phila., Pa.
Ward & Upright Engineering Co., 41 York, Brooklyn, N. Y.

Cylinder & Tank Shells

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Aurora Boiler Works (Inc.), Aurora, Ill.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Pittsburg Steel & Construction Co., Lewis blk, Pittsburg, Pa.; Works, Economy, Pa.
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)

Cylinders (Air Compressor)

(See Cylinders, Carbonic Acid Gas; also Cylinders & Shells, Seamless Pressed Steel)

Cylinders (Ammonia)

Harrisburg Pipe & Pipe Bending Co. (Anhydrous), Harrisburg, Pa.
National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av., Pittsburg, Pa. (See adv. index, end of book)

Cylinders (Artesian Well)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. Index & branch offices, end of book)
Mark Mfg. Co., Evanston, Ill.
Myers, F. E. & Bro., Ashland, O.
National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

*Cylinders (Caisson)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila. Pa. (See adv. index, end of book)
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
REEVES BROS CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)

*Cylinders (Calcium Light)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)

Cylinders (Car Lighting)

National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.

Cylinders (Carbon)

Eastern Carbon Works, Jersey City, N. J.

Cylinders (Carbonic Acid Gas)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Harrisburg Pipe & Pipe Bending Co. (Seamless), Harrisburg, Pa.
National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)

Cylinders (Cast Iron)

Bethlehem Fdry. & Machine Co. (For Chemical Works, etc), South Bethlehem, Pa.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
Myers, F. E. & Bro., Ashland, O.
United States Cast Iron Pipe & Foundry Co. (Large), 71 Broadway, New York

Cylinders (Compress)

Dimmick Pipe Co., Birmingham, Ala.

Cylinders (Creosoting)

Aurora Boiler Works (Inc.), Aurora, Ill.
BOWSER, S. F., & CO (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

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MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
McNeil, Jas. & Bros. Co., 29th & A. V. Ry., Pittsburg, Pa.
Means & Fulton Iron Works, Birmingham, Ala.
Power & Mining Machinery Co., Cudahy, Wis
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)

Cylinders (Gasoline Engine)

Bessemer Foundry Co., Grove City, Pa.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book
Moore, Sam'l L. & Sons Corpn. (Marine & Stationary), Elizabeth, N. J.
Trumbull, Mfg. Co., Warren, O.

Cylinders (Hardening)

American Clay Machinery Co., Willoughby, O.
ATLAS CAR & MFG. CO., THE, (Sand, Lime, Brick, Plants, etc.), 1289 Marquette, rd, N. E., Cleveland, O. (See adv. index, end of book)
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
REEVES BROS. CO. (For Brick, etc.), Alliance, O. (See adv. index & branch offices, end of book)

Cylinders (Hydraulic)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
East Jersey Pipe Co. (High Pressure), Paterson, N. J.
French Oil Mill Machinery Co., Piqua, O.
KOVEN, L. O. & BRO., 50 Cliff, N. Y. (See adv. index, end of book)
National Tube Co. ("Shelby" Seamless Steel Tubing), Pittsburg, Pa.
REEVES BROS CO., Alliance, O. (See adv. index & branch offices, end of book)
Riverside Foundry Co., 2021 Carter rd, N. W. Cleveland, O.
SCAIFE, WM. B. & SONS CO., 221 1st, av, Pittsburg, Pa. (See adv. index, end of book)
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburg, Pa.

*Cylinders (Hydrogen & Oxygen)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N.Y.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Cylinders (Rock Drill)

Eastwood Wire Mfg. Co., Belleville, N. J.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

*Cylinders (Rotary Drying)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)

Cylinders (Vulcanizing)

Casey-Hedges Co., Chattanooga, Tenn.

Cylinders (Water Jacketed)

Manufacturers' Foundry Co. (For Automobiles, etc.), Waterbury, Conn.

*Cylinders (Wood)

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

*Cylinders & Shells (Seamless Pressed Steel)

AMERICAN WELL WORKS (& Brass), Aurora, Ill. (See adv. index & branch offices, end of book)
PRESSED STEEL TANK CO. (Cold Drawn), Milwaukee, Wis. (See adv index, end of book)
REEVES BROS CO., Alliance, O. (See adv. index & branch offices, end of book)

Cylinders & Tanks (Seamless)

Avery Stamping Co. ("Never-Break"), Cleveland, O.
Harrisburg Pipe & Pipe Bending Co. (Steel), Harrisburg, Pa.
Janney, Steinmetz & Co. (Cold Drawn Steel), 4th & Walnut, Phila., Pa.
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)

Dairy Apparatus & Supplies

(See also Specific Article Required)

American Wooden Ware Mfg. Co. ("Toledo"), Toledo, O.
Barclay, D. F., Elgin, Ill.
Burrell, D. H. & Co., Little Falls, N. Y.
Creamery Package Mfg. Co., Chicago, Ill.
Cornish, Curtis & Green Mfg. Co., Fort Atkinson, Wis.
Dairy Machinery & Construction Co., Shelton, Conn.
Dairymen's Mfg. Co., Jersey City, N. J.
Dobson Mfg. Co., Rockford, Ill.
Fargo Creamery Supply House, Lake Mills, Wis.
Flint Cabinet Creamery Co., Flint, Mich.
Gowing, D. F., Syracuse, N. Y.
Hunt, Helm, Ferris & Co., Harvard, Ill.
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Jones, Frank L., Utica, N. Y.
Miller-Tyson Co., Canton, O.
Molsley & Pritchard Mfg. Co., Clinton, Ia.
Palmer, H. H., Rockford, Ill.
Oakes & Burger, Cattaraugus, N. Y.
Reid, A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.
Sharples Separator Co., West Chester, Pa.
Stoddard Mfg. Co., Rutland, Vt.
Vermont Farm Machine Co., Bellows Falls, Vt.

*Dam & Lock Equipments

G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)

Damp Course.

Acme Asphalt Roofing Mfg. Co. ("Eagle" Brand Asphalt), 65 Mallory av, Jersey City, N. J.
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Bird, F. W. & Son ("Paroid"), East Walpole, Mass.
Clarke, Wm. Wirt & Son (Mfrs.' Agents), Monument & Forrest, Baltimore, Md.
Drehmann Paving Co., 263 Parish, Phila., Pa.
Pacific Refining & Roofing Co. ("Plasterite"), San Francisco, Cal.
Patent Vulcanite Roofing Co. ("Vulcanite"), 625 S Campbell av, Chicago, Ill.
Simpson Bros. Corporation, 166 Devonshire, Boston, Mass.
Simpson Co., 138 Washington, Chicago, Ill.
Standard Paint Co. (Ruberoid), 100 William, New York
Trinidad Asphalt Mfg. Co., 320 S 21st, St Louis, Mo
Vulcanite Paving Co., 114 Liberty, New York

Damp Proofing Compounds

(See Waterproofing Materials)

Damper Regulators

(See Regulators, Damper)

Dampers (Coke Oven)

Helmick Foundry & Machine Co., Fairmont, W. Va.

Dampers (Fireplace, Etc.)

Colonial Fireplace Co., Chicago, Ill.
Covert, H. W. Co. ("The Covert Throat"), 266 Greenwich, New York
Jackson, Edwin A. & Bro. (Dome, Slide & Ratchet & Covert's Throat, etc.), 50 Beekman, New York
Milford Iron Foundry Co., Milford, Mass.

Dampers (Pipe)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Berger Bros. Co., 231 Arch, Phila., Pa.
Cheney, S. & Son, Manlius, N. Y.
Fanner Mfg. Co., Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Griswold Mfg. Co. ("American"), Erie, Pa.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Hollands Mfg. Co., Erie, Pa.
Howes, S M. Co. ("Yankee" All Steel), 40 Union, Boston, Mass.
Peck, Stow & Wilcox Co., 27 Murray, New York
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Republic Metal Ware Co., Buffalo, N. Y.
Sayre Stamping Co. ("Uncle Sam"), Sayre, Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Wheeling Corrugating Co. ("Wheeling." Cast Iron), Wheeling, W. Va.

Davits (Ship)

Lane & De Groot Co. ("Welin Quadrant," etc.), 17 Battery pl, New York

*Deafening Materials

CABOT, SAM'L, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)

Decalcomania Transfers

(See Ornaments, Transfer)

Decorations

Under this heading see sub-classifications:
For other materials used for decorating, etc., see the following classifications in different parts of the book:
Capitals, Composition; Carvers, Stone; Carvers, Wood, Classic; Ceilings, Sheet Steel; Floors, Parquet; Glass Stainers; Grille, Fret & Lattice Work; Marble, Art (Scagliola); Marble, Interior Work; Memorial Windows; Modelers & Sculptors, Architectural; Mosaic, Various Kinds; Mouldings, Various Kinds; Ornaments, Various Kinds; Papier Mache; Scenic Artists; Sheet Metal Capitals, Borders, Friezes, etc.; Stucco Work; Tiles, Various Kinds; Wall Finishes.

*Decorations ("Beaver" Wall Board)

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)



Decorations (Carton Pierre)

ARCHITECTURAL DECORATING CO., 643 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Buehner, A. & Co., 220 N 2d, St. Louis, Mo.
Cincinnati Plastic Relief Co., Madisonville, O.
DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
De Planque, R. & Son, 341 N 4th, Phila, Pa.
Eastern Ornamental Plaster Co., B'klyn, N. Y.
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Liesum, George & Co., 228 E 24th, New York
Marks, W. A. Plaster Ornamental Mfg. Co. 726 W 5th, Cincinnati, O.
Rudolph, Oscar, 32 E 22d New York
SEIFERT, FRANK A., PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Verpellier, H. E. & Co., 288 Washington, Newark, N. J.

Decorations (Church)

Benzinger Brothers, 36 & 38 Barclay, New York
Borgia Marble Co., 1133 B'way, New York
Colgate Art Glass Co. (W. L. Coldwell), 8 Gansevoort, New York
Decorative Arts Co., 527 5th av, New York
Dolan, W. J., 181 Tremont, Boston, Mass.
Geissler, R., 56 W. 8th, New York

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Halbert, Geo. & W., 455 Fulton, Brooklyn,
Janes, Walter, 123 E 23d, New York. N. Y.
Lamb, J. & E. (Inc.), 25 6th av, New York
Righter & Kolb, 156 5th av, New York
Sleep, Elliott & King Co. (Inc.), 562 W 23d, New York, & 351 Cambridge, Boston, Mass.
Stolzenberg Co., 51 Barclay, New York
Tiffany Studios, Madison av & 45th, New York

Decorations (Interior)

ALABAMA.

BIRMINGHAM—Butenson & Anderson, 1820 2d av
Colby, W. D. Decorating Co., 2023 1st av
Hall, Brent & Co., 220 41st, A'dale
Roll, J. H., 2022 1st av
MONTGOMERY—Holm, Alfred & Co., 17 N Lawrence
Norton, Jos. Co., New Windsor Hotel

CALIFORNIA.

LOS ANGELES—Arenz, Richard, 535 Los Angeles
Barker Bros. (Inc.), 417 S Main
California Wall Paper Co., 709 S. B'way.
De Quelin, R. T., 232 S Hill
Matthews, Geo., 2155 Santa Cruz
Noble, Arthur, 1345 E 27th
Parker Decorative Co., 452 Spring
Volkmer, B., Henne bldg, 122 W 3d
OAKLAND—Jurgewitz, J. Fred (Staff & Stucco Work), East Oakland
SAN FRANCISCO—Andersen, Harold, 1014 Fillmore
Bacigalupi, Prospero, 612 B'way
Cook's Decorating Co., 1616 Market
Einfelder, Edgar M., 567 Webster
Goetze, F. W., 3729 26th
Hinton, Russell, 1475 Washington
Jensen, A. P., 81 Brosnan
Keefe, Jno. H., 824 O'Farl
Kern, Henry, 1620 California
Kreiss, L. & Sons, 1219 Post
Newell, Chas., 29 Brosnan
O'Hara & Livermore, 1866 Sutter
Orsi, G., 21 Montgomery
Quadt, Jno. Co., 1421 Market
Raby, A., 779 McAllister
Riedel & Keiser, 339 Noe
St. Denis, J. & Co., 1467 Ellis
Schaefer, Adam, 3252 16th
Schastey & Vollmer
Schubert, Richard, 1401 Union
Sikora, Chas., 253 Church
Smith, Geo. J. & Son, 46 Cook
Taylor & Sinclair Co., 1462 Bush
United Studios, 1415 Post
Wagner Bros., 530 Gough
Wocker, A. C., 1625 California

COLORADO.

DENVER—Abbiati, A., 1521 Cleveland pl
Adamson, Dan'l P., 1614 Champa
Guiry Bros., 1524 Court Pl.
James, B. L. Mercantile & Mfg. Co., 1517 Murphy, Geo. F., 1225 S. Pearl. Arapahoe
Reitze Wall Paper & Paint Co., 1643 Welton

CONNECTICUT.

BRIDGEPORT—Bursey, Edw. E. & Co., 982 Main
Coughlin, J. P. & Co., 783 E Main
Dawe, Sam'l, 1071 E Main
Douglas, G. A., 706 Howard av
Ellis, Edgar B., Sanford bldg
Goldberg, L. & D., 24 Lumber
Karle, Frank, 31 Bunnell
Lynch, Geo. P., 1115 Main
Mather, A., 2407 Fairfield av
Morris, A. E., 1272 Iranistan
Muirhead, Neil M., 930 Broad
Murphy, H. D., 106 Congress
Ring, Louis F. (Sculptor & Decorator), 86 Senior Bros, 1365 State Harral av
Welles, Geo. E., 498 Warren
DERBY—Hilliker, H. P.
GREENWICH—Newton Decorative Co.
HARTFORD—American Wall Paper Co., 42 Baxter, Wm. G. 231 Asylum Church
Beckwith, A. F., 89 Ann
Bonner, Preston Co., 843 Main
Buckley Bros. & Co., 16 Mulberry
Crosscup & Valcourt Co., 318 Trumbull
Darby, Theo. T., 87 Martin
Fall, Chas., 362 Asylum
Grenier, Geo. F., 19 East
Harris, H. Co., 1092 Main
Hartford Decorating Co., 177 Asylum
Hawley Bros., 902 Main
Jainson, Carl W., 82 Kinsley
Pietsch, C. H. & Son, 1142 Main
Pepion, J. & Co. (Fresco, etc.), 25 Church
Post, Wm. H. Carpet Co., 219 Asylum
Root, C. R. (Relief, Plastic, etc.), 104 Saling, Paul E., 302 Asylum Asylum
Smith, Henry, 34 Kinsley
Turner, C. R., 5 Kinsley
Walker, Robt., 187 Pearl
NEW HAVEN—Beardsley, L. H., 565 State
Coan, M. A., 844 Chapel
Collenberg, H. & E., 365 State
Ferrari, Febo, 447 Grand av
Grillo, S. G., 192 Davenport av
Hande-Tees Co., 440 Elm
Massari, Menna, 128 Bradley
Merrels, Cross & Beardsley, 90 Orange
Monroe Bros., 853 Crown
Rydingsyard, G. V., 45 Bishop
Thalberg, A. J. & Bro., 25 Vernan
Thompson, Chas. P., 46 Elm
WATERBURY—Austin & Woodruff (Inc.), 157 Charters, J. F., 249 E Main E Main
Hoffman, W. H. Co., 158 Grand
Reed, Norman E., 1030 E Main
Taylor, A. F. Co. (Fresco, etc.), 43 Center
Van Ostrom, H., 1306 E Main
Waterbury Decorating Co., 241 N Main
Woodruff, Geo. H., 145 Bank
Zigiatzki-Marks Co., 110 S Main

DISTRICT OF COLUMBIA.

WASHINGTON—Barr, Geo. H., 906 Mass. av
Brown, Thos. A. & Son, 1417 F N W
Coon, Wm. H., 1307 Wis. av, N W
Copeland, M. G. Co., 409 11th, N W
Dieter, Jos. J., 323 B, S E
Dorrelle, Edw., 1600 14th, N W
Hansell, Geo. Y., 601 H, N E
Haslup, G. A., 1802 U, N W
Henderson, R. W. & J. B., 1109 F, N W
Jackson, A. F., 310 John Marshall pl, N W
Macnichol & Son 428 10th, N W
Marshall, H., Newton Co., 1210 New York
Plitt, Geo., 1727 7th, N W av, N W
Smith & Rupertus, 732 13th, N W
Strieby, Geo. F. W. & Son, 1114 F, N W
Strieby, G. M. Co., 527 10th, N W
Wurdeman & Co., 610 12th, N W

GEORGIA.

ATLANTA—Atlanta Terra Cotta Co. (Staff & Composition), 6 N Forsyth
Koppe & Steinichen (Carvers & Modelers). 89 Houston
Otto, J. W. & Johns Co. (Interior), 114
Pierson & Hancock, Grant bldg N Pryor

ILLINOIS.

CHICAGO—Almini Co., 107 Wabash av
Anderson & Osterholm Co., 1202 W 59th
ARCHITECTURAL DECORATING CO., 643 S Jefferson. (See adv. index, end of book)
Bergquist, G. W. Decorating Co., 850 Evanston av
Blake, Ludwig L., 521 E 43d
Bobbe, J. & Co., 1914 Wabash av
Builders & Decorators' Supply Co. (Inc.), 554 N Halsted
Carson, Pirie, Scott & Co., State & Madison
Cook, E., 5684 Halsted
Crafters, The, Steinway Hall
DECORATORS' SUPPLY CO., Archer av & Leo av. (See adv. index, end of book)
Field, Marshall & Co., State & Wash'n
Hartmann, Malcom Co. (Carvers, Modelers, Decorators, etc.), 13 N Jefferson
Hultsch, M., 5554 Laflin
Johnson, Oscar, 286 Grand av
McCarthy, J. G. & Co., 1832 Wabash av
Millet, Louis J. (Glass Mosaics, Frescoing, etc.), 169 E Adams
Mitchel & Halbach, 264 Michigan av
Nelson, W. P. Co., 241 Michigan av
Nyden & Thunander, 82 E 43d
Patterson, C. M., 1577 W Madison
Plastic Relief Mfg. Co., 298 N Halsted
Purvis & Pool, 324 E 39th
Remien Decorating Co., 184 E Indiana
Salomon, Wm. E. & Co., 159 La Salle
Spierling & Linden, 1218 Michigan av
Sturdy, J. F., 287 Michigan av
Sullivan, J. B. & Bro. (Fresco & Mural), 208 N Clark
Thiel, L. A. (Fresco), 482 Racine av
Weary & Alford Co., 164 Dearborn
Wheaton, G. S., 152 E Erie
Williams, Thos. B., W Madison & Ashland
PEORIA—Rush, Jno. A., 430 Main boul
Trapp, J. B., 508 Main

INDIANA.

FORT WAYNE—Fort Wayne Art Decorative Co., 15 Arcade
Haller, Gottlieb, 362 Calhoun
Hull, S. W., 27 Clinton
Kreibaum, Fred, 92 Barr
Lang, H. R. & Co. (Plastic, Staff & Composition)
INDIANAPOLIS—Coppock Bros. (Wall Paper), 127 N Meridian
Fertig & Kevers, 40 E Wash
Gioscio, G. & Co., 123 N Noble
Heal, Chas. W., Lemcke bldg
INTERIOR HARDWOOD CO. (See adv. index, end of book)
Mack, F. J. & Co., 26 Ky av
Reisinger, Wesley, 23 S Alabama

IOWA.

ALBIA—Bird, W. E.
BURLINGTON—Brune, H. & Co.
DES MOINES—Kell, Otto, 1026 16th
FAIRFIELD—Moore, M. V. & Son
SIOUX CITY—Almskog & Anderson, 614 5th

KANSAS.

IOLA—Broaddus, F. M.
TOPEKA—Fernald, Martin & Co., 625 Kansas
Larsh, H. L. & Co., 723 Kansas av av

KENTUCKY.

LOUISVILLE—Davies, Will G., 337 10th
Duncan, T. B. & Sons, 517 3d
Fernow, F. & Sons, 326 Stein ct
McDowell, R. E., 915 W Market
Moock, Lorenz, 706 E Jefferson
Pell, W. B. & Bro., 531 3d
Schmiedt & Herchenrader, 1035 Mary
Williams Bros., 502½ 6th

LOUISIANA.

NEW ORLEANS—Del'Isle, S. G., Hibernia Bank bldg
Pan-American Decorating Co., 132 Chartres

MAINE.

PORTLAND—Durgin Bros., 63 Union
Felt, Chas. H., 1873 Presumpscot
Howard, W. H., 36 Union
Jost, Daniel F., 210 Cumberland
Main O. R. Decorating Co., 192 Brackett
Redmond, S. H., 84 Union
Spearrin & Gifford
Wildes, Allen & Osterberg, 19 Cotton

MARYLAND.

BALTIMORE—Arnold, Edwin S., 942 W Fay-ette
Barnett's T. Son, S Collington av
Benson, Chas. J. & Co., 325 N Charles
Cole, Chas. H., 2116 Hollins
Dennis, Chas. M., 516 N Eutaw
Dieter, L. A. Co., 105 N Howard
Du Brau Art Co., 857 N Howard
Du Brau, O. M., 606 N Eutaw
Hiltz, Wm. F., 3 Clay
Horner, Charles H. & Co., 224 N Charles
Hurlbutt & Hurlbutt, 408 N Charles
Lafayette Wall Paper Co., 1010 W Baltimore
May, M. Co., 715 N Howard
Meislahn, C. F. & Co., 19 Clay
Mettee & Co., 128 N Eutaw
Roche, Geo. J. & Sons, Holliday & Lexington
Tumbleson, R. J., 908 Madison av
Valiant, J. G. Co., 338 N Charles
Watts, J. Marion, 15 Clay

MASSACHUSETTS.

BOSTON—Allen, Hall & Co. (Complete Interiors), 384 Boylston
Alley & Emery, 40 Beacon
Bissell, Samuel, 110 Tremont
Bowker, Lyman A. & Co. (Furniture & Draperies), 498 Boylston
Buck, C. H. & Co. (Fresco, etc.), 309 Washington
Clark, Cyrus T. Co. (Fresco, etc.), 45 Wareham
Cutler, Frank E. Co., 106 Devonshire
Cutter, A. B. Co. (Fresco & Stained Glass), 36 Columbus av
Daniels & Howlett Co., 40 State
D'Arcy, Edwin M., 100 Boylston
Dean, Sam'l B., 16 Arlington
Dolan, Wm. J. (Fresco & Mural), 181 Tremont
Emmel, Chas. & Rose Co. (Papier Mache, Plaster Relief, Composition Plaster & Staff, etc.) 383 Albany
Emmel Co., 81 Bristol
Forsberg, Carl E., 5 Savin Hill av, Dor.
Foster & Wiley Co., 468 Boylston
Fuller, F. A., 120 Tremont
Gregory & Brown Co., 6 Hamilton pl

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Haberstroh, L. & Son (Mural, etc.), 647 Boylston
Irving & Casson (Complete Interiors), 150
Keates, Geo. W., 18 Newbury Boylston
Kirtland, Chas. F. Co., 683 Boylston
Lannon, J. F., 367 Boylston
Lombard, A. P. & Co. (Composition Ornaments, etc.), 101 Bristol
Longee & Mason Co., 12 Clarendon
McCormack & Son, 127 Worcester
Messinger, W. D., 394 Boylston
Miller, Robt. & Co., 230 State
Mortensen & Holdensen, 154 Boylston
Naylor, W. H., 2a Ramsey, Dor.
New England Decorating Co. (Flags), 144 Nilson Bros., 92 Chestnut State
Perry, L. F. & Whitney Co., 8 Bosworth
Peters & Lindsay, 477 Tremont
Phillips, Richard, 11 Province ct
Pray, Jno. H., Sons & Co. (Upholsterers, Carpets, etc.), 658 Wash'n
Purscher, Wm. F. & Co., 381 Boylston
Rogers, F. M. & Co., 81 Province
Schneider, Charles H., 492 Dudley
Schupbach & Zeller, 10 Park sq
Sears, Joshua & Co. (Fresco), 165 Tremont
Sefton, C. H. & Co., 10 Cambria
Sleep, Elliott & King Co. (Inc.) (Fibrous, Plaster & Modelers), 351 Cambridge
Strauss Bros. (Fresco), 27 School
Wallburg & Sherry, 136 Harrison av
Wallburg & Woehrn, 60 Charles
Wingate, Jas. I. & Son, 338 Boylston
Woodman & Kelley, 21 Barrett
Woodside, Alfred A., 168 Sumner, E. B.
FALL RIVER—Hoar, Geo. E. & Son, 68 Bedford
Sawyer, Chas. S. & Co., 1800 S Main
Willette, Geo. & Son, 469 Montaup
SOMERVILLE—Story, O. L. (Fresco & Mural), 21 Tufts
SPRINGFIELD—Ashley, H. W. (Fresco), 127 Bridge
Atkins, A. W. (Fresco), 18 Allendale
Edwards, F. W., 73 Dwight
Gutterman, H. W. (Mural), 374 Main
Harding, John P., 317 Main
Londergan, W. A., White
Old Corner Decorating Co., 66 Bridge
Springfield Wall Paper House, 42 Harrison
Thieme Bros., 567 Main av
Williams, J. H. Wall Paper Co. (Fresco), 34 Harrison av
WORCESTER—Minsch, Chas. C. & Co., 14
Sandgren & Ehnborg, 274 Main Waldo
Stenberg & Co. (Inc.), 260 Main
Strauss Bros., 6 Norwich

MICHIGAN.

BATTLE CREEK—Marsh & Link
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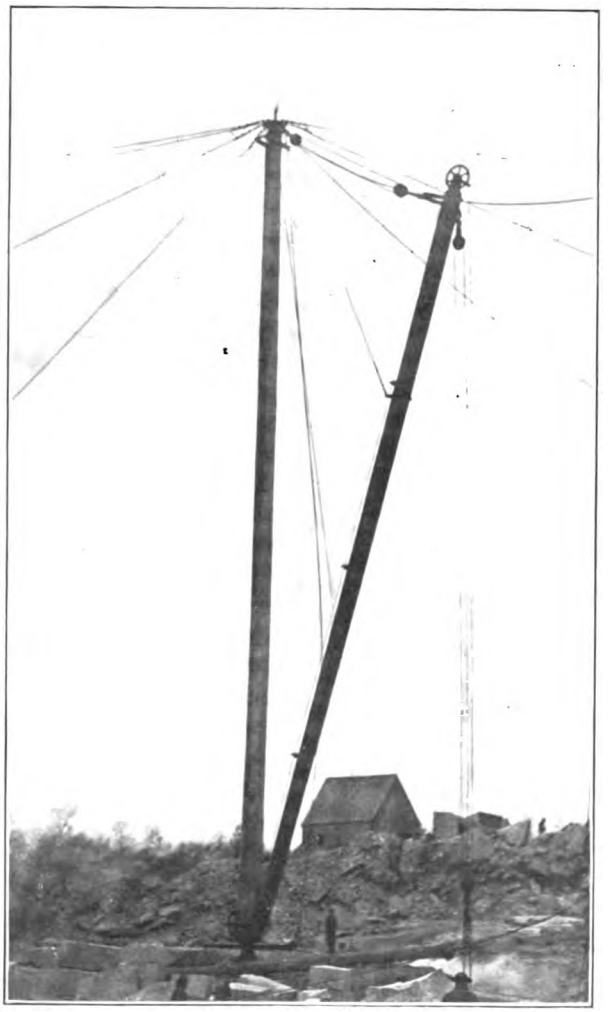
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MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Memphis Machine Works, Memphis, Tenn.
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J (See adv. index & branch offices, end of book)
Nazareth Foundry & Machine Co. Nazareth, Pa.
New Albany Mfg. Co., New Albany, Ind.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pittsburg Block & Mfg. Co., 818 South av, Allegheny, Pa.
Smith, Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
Vulcan Iron Works, 59 Milwaukee av, Chicago, Ill.

Derrick Rope Mfrs.

(See Manilla & Sisal Rope Manufacturers; also Wire Rope Manufacturers)

Derrick Spars, Masts & Booms

BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Mass. (See adv. index, end of book)
Boston Spar Co., 116 Condor, E. B., Boston Mass
Cram, D. Henry, 23 Powers, Boston, Mass.
PIGEON HOLLOW SPAR CO. (Clear White Spruce, Hollow & Solid Spars, 20 to 120 ft.), E Boston, Mass. (See adv. index.
Sutton, Jas. B., Mystic, Conn. end of book)

Derrick Swingers

MEAD-MORRISON MFG. CO., Works & General Offices, Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Ostrander Railway & Timber Co., Ostrander, Wash.

*Derrick Timbers

BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Mass. (See adv. index, end of book)

Derricks

(Under this Heading See Sub-classifications)
(See also Cranes of Various Kinds; also Hoists of Various Kinds)

Allen & Ross (Steam, Electric, etc.), Phila., Pa.
AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Anderson, W. H. Tool & Supply Co. (Ful Circle Guy), 14 Macomb, Detroit, Mich
Batcheller, Clark & Batcheller, 240 N 10th, Brooklyn, N. Y.
BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Mass. (See adv. index, end of book)
BRODERICK & BASCOM ROPE CO. 809 N Main, St. Louis, Mo. (See adv. index, end of book)
Brunner & Lay, 138 W Polk, Chicago, Ill.
Byers, Jno. F. Machine Co. (Steam & Hand Power), Ravenna, O.
CARLIN'S, THOMAS, SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Clark, Alex. & Co., Quincy, Mass.
Contractors Plant Mfg. Co. (Steel or Wood), 127 Erie, Buffalo, N. Y.
Cram, D. Henry, 23 Powers, Boston, Mass.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. (See adv. index, end of book)
Harvey, H. H., 608 Atlantic av, Boston, Mass.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Hinds, Thos., Malone, N. Y.
Interstate Engineering Co. (Hoisting), Bedford, Ohio
IRVING MFG. & TOOL CO. (J. F. McCoy Co. Prop.), 169 Chambers, New York (See adv. index, end of book)
Lake Shore Engine Works (& Derrick Hoisters), Marquette, Mich.
Lane Mfg. Co. (Boom), Montpelier, Vt.
Leschen, A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LIDGERWOOD MFG. CO., 96 Liberty, N. Y. & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices. end of book
Lincoln Iron Works, Rutland, Vt.
Lord, Bowler Co., Cleveland, O.
McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works, Warren, O.
MARYLAND EQUIPMENT & SUPPLY Co. (New & Second Hand), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)
Mine & Smelter Co., Denver, Colo.
MONIGHAN MACHINE CO. (Guy & Stiff Leg), 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
Motley, Green & Co. (Inc.), 68 Broad, New York
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
New York Cableway & Engineering Co., 1 Rector, New York
Patch, F. R. Mfg. Co., Rutland, Vt.
Portland Extension Ladder Co. (Derricks & Scaffolds, Complete), 130 Orange, Newark, N. J.
Safety Steel Derrick Co. (Steel), Bowling Green, O.
St. Cloud Iron Works (Steam), St. Cloud, Minn.
Shannon, J. Jacob & Co., 1744 Market, Phila. Pa.
Smith, Whitcomb & Cook Co., Barry Vt
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
SPEIDEL, JOHN G. (Folding), c Buttonwood & Gordon, Reading, Pa. (See adv. index, end of book)
Steam Stone Cutter Co. (Steam, for Heavy Stone Hauling), Rutland, Vt.
Superior Iron Wks., Superior, Wis.
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
Uric-Snyder Iron Works Co., Kansas City, Mo.
Vulcan Iron Works, Chicago, Ill.
Whitcomb Bros. (Boom), Barre, Vt.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
Wonham, Magor & Sanger (Revolving), 30 Church, New York
Zelnicker, Walter A. Supply Co. (Portable), St. Louis, Mo.

Derricks (Barge)

(See Derricks, Floating)

Derricks (Clam Shell)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Pittsburg Industrial Iron Works, Pittsburg, Pa. Works: Reynoldsville, Pa.

*Derricks (Crane)

AMERICAN HOIST & DERRICK CO., St. Paul Minn. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS (Electric), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

*Derricks (Floating)

AMERICAN HOIST & DERRICK CO., St. Paul Minn. (See adv. index & branch offices, end of book)
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

*Derricks (Folding)

SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)

*Derricks (Guy)

AMERICAN HOIST & DERRICK CO. (Self-Slewing Steel or Wooden), St. Paul, Minn. (See adv. index & branch offices, end of book)
BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Mass. (See adv. index & branch offices, end of book)
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)

*Derricks (Locomotive)

MEAD-MORRISON MFG. CO. (Self-Propelling, for Stone Cutting Sheds, etc.), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)

*Derricks (Oil & Water Well)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Derricks (Pile Driving)

Byers, Jno. F. Machine Co., Ravenna, O.
CARLIN'S, THOMAS, SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Contractors Plant Mfg. Co., 127 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

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LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
New York Cableway & Engineering Co., 1 Rector, New York
Smith, Theodore & Sons Co., ft of Essex, Jersey City, N. J.
Vulcan Iron Works, 59 Milwaukee av, Chicago, Ill.

Derricks (Revolving)

(See Derricks)

*Derricks (Steam)

NATIONAL HOISTING ENGINE CO., Harrison, N. J (See adv. index & branch offices, end of book)

Derricks (Steel)

(See Also Derricks)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Danville Foundry & Machine Co., Danville, Ill.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
HAYWARD CO., THE (Traveling & Stationary), 50 Church, New York. (See adv. index, end of book)
Interstate Engineering Co., Bedford, O.
Modern Steel Structural Co., Waukesha, Wis.
National Equipment Co., Monadnock bldg, Chicago, Ill.
New York Cableway & Engineering Co., 1 Rector, New York
Page, John W. (Revolving Boom). Security bldg, Chicago, Ill.
York Bridge Co. (Any Length of Mast or Boom). York, Pa.

*Derricks (Stiff-Leg)

AMERICAN HOIST & DERRICK CO., St. Paul Minn. (See adv. index & branch offices, end of book)
BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Mass. (See adv. index, end of book)
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)

Derricks (Sugar Cane Handling)

Gregg Co. (Ltd.), Newburgh, N. Y.

*Derricks (Tower)

AMERICAN HOIST & DERRICK CO., St. Paul Minn. (See adv. index & branch offices, end of book)

Derricks (Traveling)

Allen & Ross (Electric, etc.), Phila., Pa.
AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Byers, Jno. F. Machine Co., Ravenna, O.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
HAYWARD CO., THE (Steel), 50 Church, New York. (See adv. index, end of book)
McMyler Mfg. Co., 1799 Columbus rd, Cleveland, O. Works, Warren, O.
MORGAN ENGINEERING CO. (Electric, etc.), Alliance, O. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
SHAW, WILLIS CO., 171 Lasalle, Chicago, Ill. (See adv. index, end of book)
Terry & Tench Co. (Inc.), Lexington av & 131st, New York

Desk Mfrs.

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Armstrong & Barthelmes, Boston, Mass.
Atlanta Table Co., Atlanta, Ga.
Bagby Furniture Co., Baltimore, Md.
Barley & Spencer Lumber Co., Marion, Ind.
Beals, Thos. P. Furniture Co., Portland, Me.
Bently & Gerwig Furniture Co. (Roll Top & Flat), Parkersburg, W. Va.
Berlin Mills Co., Portland, Me.
Bentell, H. M., Atlanta, Ga.
Black, Geo. H. (Typewriter), Buchanan, Mich.
Breed-Johnson Furniture Co., Jamestown, N. Y.
Butler Mfg. Co., Syracuse, N. Y.
California Lumber & Milling Co., San Francis-
Capitol Chair Co., Brooklyn, Wis. co., Cal.
Capitol City Furniture Co., St. Paul, Minn.
Central Mfg. Co., 41 Armour, Chicago, Ill.
Chattahoochee Furniture Co., Flowery Branch, Ga.
Chautauqua Desk Co., Kane, Pa.
Coleman, Jas. D., Syracuse, N. Y.
Columbia Lumber & Mfg. Co., Columbia, S.C.
Combined Tool Co. (Combined Typewriter), Leominster, Mass.
Cutler Desk Co. (Roll & Flat Top), Buffalo, N. Y.
Dana, Geo. W., Camden, N. Y.
Dearborn Desk Co., Marion, Ind.
Derby Desk Co., Boston, Mass.
Dietz, J. F. & Co., Cincinnati, O.
Dornette, J. & Bro., The, Cincinnati, O.
Doten-Dunton Desk Co., Boston, Mass., & 89 Fulton, New York
Dubuque Cabinet Makers' Association, Dubuque, Iowa
Fassler, Jacob, Utica, N. Y.
Feige, E. Desk Co., Saginaw, Mich.
Feige, George, Saginaw, Mich.
Forest City Furniture Co., Rockford, Ill.
Fort Wayne Special Furniture Co., Fort Wayne, Ind.
Franklin Desk Co., Franklin, Ind.
Fravel, Joseph, Woodstock, Va.
Friederich, L. & Bros., St. Louis, Mo.
Fuller, Geo. H. Desk Co., San Francisco, Cal.
Globe Fixture & Furniture Co., Quincy, Ill.
Globe-Wernicke Co., Cincinnati, O.
Grand Rapids Desk Co. (Roll, Flat, Standing & Typewriter), Muskegon, Mich.
Gunn Furniture Co., The, Grand Rapids, Mich.
Hall, G. W. & Co., Boston, Mass.
Haney School Furniture Co., Grand Rapids, Mich.
Hanpeter, Frederick W., St. Louis, Mo.
Hardwood Manufacturing Co., Greensboro, N. C.
Heary Mfg. Co., Los Angeles, Cal.
Herkimer Manufacturing Co., Herkimer, N. Y.
Himmel, M. L. & Son, Baltimore, Md.
Holman, R. Co., Chelsea, Mass.
Honeoye Falls Wood Working Co., Honeoye Falls, N. Y.
Horrocks Desk Co. (Inc.), Herkimer, N. Y.
Ideal Furniture Co., Grand Rapids, Mich.
Jasper Furniture Co., Jasper, Ind.
Kalamazoo Sled Co. (Children's Blackboard), Kalamazoo, Mich.
Kelsall, Thos. & Co., Cincinnati, O.
Keppel, R. J. & Co., Chester, Pa.
Keyer, G. & Co., Cincinnati, O.
Kleeman, W. & Co., 619 W 54th, New York
Koenig Furniture Co., St. Louis, Mo.
Larson, Peter, 189 Iowa, Chicago, Ill.
Lauter, Herman, Indianapolis, Ind.
Leopold Desk Co., Burlington, Ia.
McCassey Bros., Cincinnati, O.
Macey Co., 343 B'way, New York, & Grand Rapids, Mich.
Marvin, W. F. & Co. (Revolving Hotel Register Desks), Baldwinsville, N. Y.
Marysville Cabinet Co. ("Queen" Typewriter), Marysville, O.
Mason, J. W. & Co., 436 Pearl, New York
Melchior Bros. Furniture Co., 3 Dayton, Chi-
Meyer & Farrer, Carthage, N. Y. cago, Ill.
Michigan Desk Co. (Ltd)., Grand Rapids, Mich.
Minneapolis Desk Mfg. Co., Minneapolis, Minn.
Minneapolis Office & School Furniture Co., Minneapolis, Minn.
Montgomery Table Works, Montgomery, Pa.
Moon Desk Co. (Roll, Flat, Standing & Typewriter), Muskegon, Mich.
Moore Mfg. Co., Springfield, Me.
Myrtle Desk Co., High Point, N. C.
Northwestern Furniture Co., Milwaukee, Wis.
Novelty Wood Work Co. (Inc.), Union City, Pa.
Olsen, O. C. S. & Co., 240 Austin av, Chi-
Orpin Bros., Boston, Mass. cago, Ill.
Parker-Battle-Talbot Mfg. Co., Tullahoma, Tenn.
Passow's, C. Sons, 196 Wash'n, Chicago, Ill.
Peck & Hills Furniture Co. 1319 Michigan av, Chicago, Ill.
Petersen, A. & Co., 21 Armour, Chicago, Ill.
Quigley Furniture Co., The, Whitesboro, N. Y.
Quincy Show Case Works, Quincy, Ill.
Rabenau, Martin, Philadelphia, Pa.
Rockwell-Wabash Co., 151 Wabash av, Chicago, Ill.
Roehr, Charles Co., The, Bucyrus, O.
St. Paul Furniture Co., St. Paul, Minn.
Sargent Mfg. Co. (House & Ladies), Muskegon, Mich.
Scherer, John C., Jr., Baltimore, Md.
Schmidt, H. Sons Co., Keokuk, Ia.
Schwarswaelder, L. A., Chichester, N. Y.
Shaw-Walker Co., The, Muskegon, Mich.
Shelbyville Desk Co., Shelbyville, Ind.
Simmons, R. A. & Co., 135 Adams, Chicago, Ill.
Standard Furniture Co., Herkimer, N. Y.
Tell City Desk Co., Tell City, Ind.
Thorp & Martin Co. ("Monarch" Telephone, with Typewriter Paper Feed), Boston, Mass.
Toledo Desk & Fixture Co., Toledo, O.
Union Furniture Mfg. Co., Union, S. C.
Valley City Desk Co., Grand Rapids, Mich.
Vaught, H. C. Sons & Co., Parker, Ind.
Vetter Desk Works, Rochester, N. Y.
Wagemaker Co., Grand Rapids, Mich.
Western Furniture Co., St. Louis, Mo.
Winnebago Furniture Mfg. Co., Fond du Lac, Wis.
Winneberger, Geo. & Son, Philadelphia, Pa.
Winter, M. Lumber Co., Sheboygan, Wis.
Witte, J. C., Manufacturing Co., Minneapolis, Minn.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

*Desk Slides

STANLEY WORKS (Wrought Steel), New Britain, Conn., & 79 Chambers, New York. (See adv. index & branch offices, end of book)

Desks (Metallic)

(See Bank & Office Fixtures, Metallic)

Detectors (Ground)

Fort Wayne Electric Works, Fort Wayne, Ind
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Keystone Electrical Instrument Co., 901 Montgomery av, Phila., Pa.
Myers Break Finder Co., Syracuse, N. Y.
Roller-Smith Co., Bethlehem, Pa.
Standard Instrument Co., 60 Nassau, Newark, N. J.
Steele Glass Co., 622 Locust, Phila., Pa.
WESTINGHOUSE ELECTRIC & MFG. Co., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Detectors (Water Waste)

Pitometer Co., 220 B'way, New York

Devulcanizers

Birmingham Iron Foundry, Derby, Conn.
Clark, Eldred W., Hartford, Conn.
Thropp, Wm. R., Trenton, N. J.

Dials (Clock, Gauge, Scale, Etc.)

Electro Chemical Engraving Co. (Inc.) (Etched Metal), 450 19th, Brooklyn, N. Y.
Salo Art Metal Co. (Etched Metal), 19 Collier, Binghamton, N. Y.

Dials (Meter)

(See Dials, Clock, Gauge, Scale, Etc.)

Diamonds (Black)

(See Black Diamonds)

Diamonds (Glaziers')

Dickinson, Jno. 64 Nassau, New York
Grant-Lees Machine Co., 1360 E 85th, N E. Cleveland, O.
Sinsz Co., Philip, Baltimore, Md.
Van Moppes & Son, 87 Nassau, New York

Diaphragms (Car)

Acme Supply Co., Chicago, Ill.
Adreon & Co., Security bldg, St. Louis, Mo.
Quincy-Manchester-Sargent Co. ("Ajax" or "R. A." Vestibule), Plainfield, N. J.
Ward, E. J. Co. ("Ajax," Made from Cotton Belting), 100 Lake, Chicago, Ill.
Wood, G. S. & Co. ("Acme," Sewed or Sewed & Riveted), 100 Lake, Chicago, Ill.

Diaphragms (Curtain Fixture)

Quincy-Manchester-Sargent Co. Plainfield, N. J.

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Diaphragms (Paper Mill)

Goodrich, B. F. Co., Akron, O.

Diaphragms (Rubber)

BOSTON BELTING CO., 200 Devonshire. Boston, Mass. (See adv. index & branch offices, end of book)
Continental Rubber Co., Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.) (High and Low Pressure, etc.), Detroit, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
PHOENIX SPECIALTY MFG. CO, 48 Duane, New York. (See adv. index, end of book)
Voorhees Rubber Co., Jersey City, N. J.

Die Block Steel

(See Steel, Crucible)

Die Sinkers

Adriance Machine Works, Brooklyn, N. Y.
Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Clapp, E. D. Mfg. Co., Auburn, N. Y.
Cleveland Galvanizing Works, Cleveland, O.
Crowe Metal Mfg. Co., 71 W Jackson boul. Chicago, Ill.
Globe Machine & Stamping Co., 3868 Hamilton ave, Cleveland, O.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Hibbard, W. H. Mfg. Co., Brooklyn, N. Y.
Keystone Drop Forge Works, Chester, Pa.
Konigslow, E. Stamping & Tool Works, 323 Champlain av, Cleveland, O.
Leffler, Chas. & Co., Brooklyn, N. Y.
Mooney & Butler, 231 S Canal, Chicago, Ill.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Richard Mfg. Co., Bloomsburg, Pa.
Schwerdtle Stamp Co., Bridgeport, Conn.
Standard Machinery Co., Providence, R. I.
Taylor-Shants Co., Rochester, N. Y.
V. & O. Press Co., Glendale Station, L. I.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Wilson & Smith, Worcester, Mass.

Die Stocks

(See Stocks & Dies; also Pipe Cutting & Threading Machines)

Dies

(Under this Heading See Sub-classifications)

Dies (Adjustable Expanding)

AMERICAN TAP & DIE CO. ("Adamantine," "Temper" & "Eagle Brand"), Greenfield, Mass. (See adv. index, end of book)
BLISS, E. W., CO. (For Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Card, S. W. Mfg. Co. (Round), Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
Chester Engineering & Machine Co., Chester, Pa.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Leffler, Chas. & Co., Brooklyn, N. Y.
Modern Tool Co. (Self Opening), Erie, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Saunders, D. Sons, Yonkers, N. Y.
Smith, Chas. A., Germantown, Phila., Pa.
Standard Machinery Co., Providence, R. I.
Superior Tap Co., Springfield, Vt.
Toledo Pipe Threading Machine Co., Toledo, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. (Round), Granfield, Mass.
Winter Bros. Co. (Round), Wrentham, Mass.

Dies (Automatic)

BLISS, E. W. CO. (For Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Geometric Tool Co., New Haven, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Jones & Lamson Machine Co., Springfield, Vt.
Leffler, Chas. & Co., Brooklyn, N. Y.
Perkins Machine Co., Warren, Mass.
Scott & Sons Co. (Expanding), Medford, Mass.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
V. & O. Press Co., Glendale Station, L. I., N. Y.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Dies (Blanking)

Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO. (For Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Callahan Machine & Die Co., Canton, O.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hathewsy Mfg. Co., Bridgeport, Conn.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Quadridge Mfg. Co., 18 S Canal, Chicago, Ill.
Sackmann Mfg. Co. (Inc.), Akron, O.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Taylor-Shants Co., Rochester, N. Y.
Trethewey, Samuel & Co. (Ltd.), 47th & Plummer, Pitsburg, Pa.
VOELKNER & HARRY MANUFACTURing Co., 125 Woodbridge, W., Detroit, Mich. (See adv. index, end of book)
Winkelman, Louis & Co., 445 E Pearl, Cincinnati, O.
V. & O. Press Co., Glendale Station, Long Island, N. Y.

Dies (Bolt Threading)

AMERICAN TAP & DIE CO. ("Eagle Brand," Solid), Greenfield, Mass. (See adv. index, end of book)
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Bay State Tap & Tie Co. (Machine or Solid Bolt), Mansfield, Mass.
Brown, H. B. Co., East Hampton, Conn.
Brubaker, W. L. & Bros. (Solid), Millersburg, Pa.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M., Tap & Die Co. (Solid Boynton & Plummer), Pawtucket, R. I.
Holroyd & Co. (Round Adjustable & Square Solid), Waterford, N. Y.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Polk, A. J. & Son, Millersburg, Pa.
Reece, E. F. Co., Greenfield, Mass.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. (Solid, Round & Square), Greenfield, Mass.
Winter Bros. Co. (Solid Square), Wrentham, Mass.

Dies (Box Printing)

American Name Plate & Engraving Co., 352 Atlantic av, Boston, Mass.
Becker, August Engraving Co., 247 Atlantic av., Boston, Mass.
Borgstrom, G. J., 72 S Canal, Chicago, Ill.
Fries, Anthony J., 717 Sycamore, Cincinnati, Ohio
Murdock, Jas., Jr., Co., 116 Opera pl, Cincinnati, Ohio
Schriddle, Wm., 57 S Clark, Chicago, Ill.

Dies (Brick & Clay Workers')

American Clay Machinery Co., Bucyrus, O.
Fernholtz Brick Machinery Co., Boyle & Manchester avs, St. Louis, Mo.
Lollsville Machine Co., Louisville, O.
Means Foundry & Machine Co., Steubenville, O.
Ohio Ceramic Engineering Co., Cleveland, O.
Steele, J. C. & Son, Statesville, N. C.
Stevenson Co., Wellsville, O.
Stoll, D. H. Co., Buffalo, N. Y.

Dies (Can Makers')

Ams, Max Machine Co., Mount Vernon, N. Y.
Astoria Iron Works (Inc.), Astoria, Oreg.
Ayars Machine Co., Salem, N. J.
BLISS, E. W. CO. (For Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Stoll, D. H. Co., Buffalo, N. Y.

Dies (Chilled Hammer)

Pittsburg Mfg. Co., 28th & R. R., Pittsburg, Pa
Sterritt-Foundry Co., 32d & Smallman, Pittsburg, Pa.

Dies (Chrome Steel)

Chrome Steel Works, Chrome, N. J.

Dies (Compression Rivet)

Marchant, Geo. F., Elizabeth & Lake, Chicago, Ill.

Dies (Cutting)

Adams, John J. (For Leather, Cloth, Rubber, Paper, etc.), Worcester, Mass.
Adriance Machine Works, Brooklyn, N. Y.
Advance Mfg. Co., Racine, Wis.
American Die & Tool Co., Reading, Pa.
American Hardware Mfg. Co., Ottawa, Ill.
Avery Stamping Co., Cleveland, O.
Baird Machine Co., Oakville, Conn.
Bender, Ph. J. & Sons, 87 Frankfort, New York
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO. (For Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brockton Die Co., Brockton, Mass.
Butterfield & Co., Derby Line, Vt.
Callahan Machine & Die Co., Canton, O.
Chester Engineering & Machine Co., Chester, Pa.
Chesterman, F. E. & Co., 125 N 7th, Phila., Pa.
Cincinnati Screw & Tap Co., Twightwee, O.
Collins, Emmons, 20 W Randolph, Chicago, Ill.
Connecticut Tool Co. ("E-Z"), Bridgeport, Conn.
Dewes, A. Co., 243 Centre, New York
Eagle Mfg. Co., Cincinnati, O.
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Gem Mfg. Co., Spruce av. n. 33d, Pittsburg, Pa.
Glen Rock Stamping Co., Glen Rock, Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Grammes, L. F. & Sons, Allentown, Pa.
Hibbard, W. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hilles & Jones Co., Wilmington, Del.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Ideal Mfg. Co., 20 W Randolph, Chicago, Ill.
Indianapolis Tool & Mfg. Co., 518 S Capitol av, Indianapolis, Ind.
Independent Die Co., Brockton, Mass.
Keene, Geo. C. & Co., 2327 Florence av, Cincinnati, O.
Leffler, Charles & Co., Brooklyn, N. Y.
Lloyd, Jno. C. Co., 558 Water, New York
Milwaukee Cutting Die Co. (Cutting for Gloves, Shoes, Envelopes, etc.), Milwaukee, Wis.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'K'S, Buffalo, N. Y. (See adv. index, end of book)
Nye Tool & Machine Co., 15 S Jefferson, Chicago, Ill.
Oster Mfg. Co. ("Keen Kutting"), Cleveland, Ohio
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Randall, J. D. Co. (Leather Cutting), Cincinnati, O.
Ranz Stamping Tool Co., 522 Spruce, St. Louis, Mo.
Reece, E. F. Co., Greenfield, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
Riley-Klotz Mfg. Co., Newark, N. J.
Ross-Mayer Mfg. Co., Cincinnati, O.
Royal Machine Co., Newark, N. J.
Sackmann Mfg. Co. (Inc.), Akron, O.
Schatz Mfg. Co., Chappaqua, N. Y.
Schlueter, A. & Co., 297 Wash'n, Newark, N. J.
Seecamp, H. D. Machine Co., 305 Gratiot, St. Louis, Mo.
Sigourney Tool Co., Hartford, Conn.
Skareen, John A., 116 Butternut, Detroit, Mich

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Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Stone, Thos. & Geo. M., Newark, N. J.
Stortz, John & Son, 210 Vine, Phila., Pa.
Superior Tap Co., Springfield, Vt.
Swaine, F. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Tucker, W. W. & C. F., Hartford, Conn.
V. & O. Press Co., Glendale Station, Long Island, N. Y.
VOELKNER & HARRY MANUFACTURING Co., 125 Woodbridge, W., Detroit, Mich. (See adv. index, end of book)
W. & S. Mfg. Co., Worcester, Mass.
Webster & Perks Tool Co., Springfield, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
White, L. & I. J. Co., Buffalo, N. Y.
Wootten & Peckworth, 207 Quarry, Phila., Pa.

*Dies (Drop Forging)

American Brake Shoe & Foundry Co. (Steel), Mahwah, N. J.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cleveland Drop Forging Co., Cleveland, O.
Crucible Steel Co. of America ("La Belle"), Frick bldg, Pittsburg, Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.

Dies (Embossing)

Adriance Machine Works, Brooklyn, N. Y.
American Name Plate & Engraving Co., 352 Atlantic av, Boston, Mass.
Becker, A. Engraving Co., 247 Atlantic av, Boston, Mass.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Gardam, Wm. & Son (Inc.), 221 Fulton, N. Y.
Grammes, L. F. & Sons, Allentown, Pa.
Hibbard, W. H. Mfg. Co., Brooklyn, N. Y.
Leffler, Charles & Co., Brooklyn, N. Y.
Ness, Geo. M., Jr., 61 Fulton, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Schwerdtle Stamp Co., Bridgeport, Conn.
Skareen, Jno. A., 116 Butternut, Detroit, Mich.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Taylor-Schantz Co., Rochester, N. Y.

Dies for Crushing Machinery

Standard Steel Works Co., Harrison bldg, Chicago, Ill.

*Dies for Metal Ceilings

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

Dies (Forming)

Bender, Ph. J. & Son, 87 Frankfort, New York
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Callahan Machine & Die Co., Canton, O.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hatheway Mfg. Co., Bridgeport, Conn.
Konigslow, E Stamping & Tool Works, 328 Champlain av, N W, Cleveland, O.
Lay & Nawrath Co., Newark, N. J.
National Machine & Tool Co., 253 A, Boston, Mass.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Sackmann Mfg. Co. (Inc.), Akron, O.
Stoll, D. H. Co., Buffalo, N. Y.
Swaine, F. J. Co., St. Louis, Mo.
Taylor-Schantz Co., Rochester, N. Y.
VOELKNER & HARRY MANUFACTURING Co., 125 Woodbridge, W., Detroit, Mich. (See adv. index, end of book)
Waterbury Machine Co., Waterbury, Conn.

*Dies (Gas Fixture)

AMERICAN TAP & DIE CO. (Taps & Dies), Greenfield, Mass. (See adv. index, end of book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Dies (Glove Cutting)

(See Glove Machinery)

*Dies (Machine or Solid Bolt)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Dies (Opening)

Acme Machinery Co., Cleveland, O.
Geometric Tool Co. (Self Opening), New Haven, Conn.
Ideal Opening Die Co., 24 West, New York
MURCHEY MACHINE & TOOL CO. ("Murchey," Automatic), 52 Porter, e 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)
National Machinery Co., Tiffin, O.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Tucker, W. W. & C. F. (Automatic), 302 Asylum, Hartford, Conn.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Dies (Pipe)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Ashcroft Mfg. Co., 85 Liberty, New York
Brubaker, W. L. & Bros. (Solid Gas Pipe), Millersburg, Pa.
Card, S. W., Mfg. Co., Mansfield, Mass.
Carpenter, J. W. Tap & Die Co. (Square, Solid, Round), Pawtucket, R. I.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Curtis & Curtis Co., Bridgeport, Conn.
Hayes-Harrison (Adjustable), Portland, Me.
Holroyd & Co., Waterford, N. Y.
MORSE TWIST DRILL & MACHINE Co. (Solid), New Bedford, Mass. (See adv. index, end of book)
Oster Mfg. Co., Cleveland, O.
Polk, A. J. & Son (Solid), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Saunders, D. Sons, Yonkers, N. Y.
Superior Tap Co., Springfield, Vt.
Toledo Pipe Threading Machine Co., Toledo, O.
Walworth Mfg. Co. ("Hill's"), 132 Federal, Boston, Mass.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wells, F. E. & Son Co. ("Economy"), Greenfield, Mass.
Winter Bros. Co. (Solid Square), Wrentham, Mass.

Dies (Press)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Columbia Novelty Mfg. Co. (Power & Press), 1537 N B'way, St. Louis, Mo.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Hibbard, W. H. Mfg. Co., Brooklyn, N. Y.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Leffler, Chas. & Co., 63 Clymer, B'klyn, N. Y.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Smith, Thos. & Co., Worcester, Mass.
Standard Machine Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
VOELKNER & HARRY MANUFACTURING Co., 125 Woodbridge, W., Detroit, Michigan. (See adv. index, end of book)
V. & O. Press Co., Glendale Sta., L. I., N. Y.
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Dies (Punching)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Die & Tool Co., Reading, Pa.
Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Callaghan Machine & Die Co., Canton, O.
Chester Engineering & Machine Co., Chester, Pa.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Gregg Mfg. Co., 1318 W 4th, Cleveland, O.
Hibbard, W. H. Mfg. Co., Brooklyn, N. Y.
Konigslow, E Stamping & Tool Works, 328 Champlain av, N W, Cleveland, O.
Leffler, C. & Co., 63 Clymer, Brooklyn, N. Y.
Lovejoy Tool Works, 90 Ohio, Chicago, Ill.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Quadridge Mfg. Co., 18 S Canal, Chicago, Ill.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Swaine, F. J. Co., St. Louis, Mo.
VOELKNER & HARRY MANUFACTURING Co., 125 Woodbridge, W., Detroit, Michigan. (See adv. index, end of book)
V. & O. Press Co., Glendale Sta., L. I., N. Y.
Wiedeke, Gustav & Co. (Rivet Punches & Dies), Dayton, O.

Dies (Ring)

Railway Steel Spring Co. (Forged or Rolled Steel for Griffin Mills, etc), 30 Church, New York

Dies (Rubber)

Adams, John J., Worcester, Mass.
Adamson, Alex., Akron, O.
Boston Die Co., Boston, Mass.
Bridgewater Machine Co., Akron, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Williams Foundry & Machine Co., Akron, O.

Dies (Screw Cutting)

Bay State Tap & Die Co., Mansfield, Mass.
Billings & Spencer Co., Hartford, Conn.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Cleveland Die & Mfg. Co. (Or Thread Rolling), Cleveland, O.
Geometric Tool Co. (Self-Opening & Adjustable), New Haven, Conn.
Holroyd & Co., Waterford, N. Y.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Reece, E. F., Co., Greenfield, Mass.
SMART, A. J. MFG. CO ("Smart" Spring Screw Threading Dies), Greenfield, Mass. (See adv. index, end of book)
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Dies (Screw Plate)

(See Dies, Screw Cutting)

Dies (Self-Opening)

(See also Dies, Opening)

Allen, Chas. G. Co. ("Diamond"), Barre, Mass.
Modern Tool Co. ("Wallace's Adjustable"), Erie, Pa.

Dies (Sheet Metal, Etc.)

(See Dies, Stamping)

Dies (Soap)

Dopp, W. H., Co., Buffalo, N. Y.
Houchin-Aiken Co., 37 53d, Brooklyn, N. Y.
Mooney & Bueter, 231 S. Canal, Chicago, Ill.
Schriddle, Wm., 37 S. Clark, Chicago, Ill.
Fries, Anthony J., 717 Sycamore, Cincinnati, Ohio

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Dies (Solid)

Bay State Tap & Die Co., Mansfield, Mass.
Card, S. W., Mfg. Co., Mansfield, Mass.
Crane Valve Co., Bridgeport, Conn.
MORSE TWIST DRILL & MACHINE Co. (For Boynton & Plummer's Bolt Cutters & for Pipe), New Bedford, Mass. (See adv. index, end of book)
Mount Carmel Bolt Co., Mount Carmel, Conn.
Pratt & Whitney Co. ("Giant" Adjustable), Hartford, Conn.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Dies (Solid Bolt)

(See Dies, Bolt Threading)

Dies (Spring or Prong)

Carpenter, J. M., Tap & Die Co., Pawtucket, R. I.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Dies (Stamping)

Adriance Machine Works, Brooklyn, N. Y.
American Can Co., 135 Adams, Chicago, Ill.
American Die & Tool Co., Reading, Pa.
Avery Stamping Co., Cleveland, O.
Baird Machine Co., Oakville, Conn.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO. (For Sheet Metal), Canton, O. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Consolidated Press & Tool Co., Hastings, Mich.
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & N. Saugamon, Chicago, Ill. (See adv. index, end of book)
Erdle Perforating Co., Rochester, N. Y.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Gem Mfg. Co., Spruce nr. 33d, Pittsburg, Pa.
Glen Rock Stamping Co., Glen Rock, Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hatheway Mfg. Co., Bridgeport, Conn.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, W. H., Mfg. Co., 79 Wash'n, Brooklyn, N. Y.
Kilborn & Bishop Co., New Haven, Conn.
Konigslow, E., Stamping & Tool Works, 822 Champlain av, N W, Cleveland, O.
Leffler, Chas. & Co., 61 Clymer, Brooklyn, N. Y.
Mossberg, Frank Co., Attleboro, Mass.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Philadelphia Roll & Machine Co., E. 23d & Wash'n av., Philadelphia, Pa.
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Richard Mfg. Co., Bloomsburg, Pa.
Sackmann Mfg. Co. (Inc.), Akron, O.
Schatz Mfg. Co., Chappaqua, N. Y.
Smith, M. I., Bristol, Conn
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Swaine, Fred. J., Co., 13 N. 7th, St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
V. & O. Press Co., Glendale Station, Boro. of Queens, N. Y.
Villinger, W. E., Williamsport, Pa.
VOELKNER & HARRY MANUFACTURING Co. (Brass), 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)
W. & S. Mfg. Co., Worcester, Mass.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)
Zeh & Hahnemann (For Cans, Cutlery, Hardware, etc.), Vanderpool & Avenue A, Newark, N. J.

Dies (Steam Hammer)

American Brake Shoe & Foundry Co. (Steel), Mahwah, N. J.

Dies (Stencil Cutting)

Hanson, C. H., 44 Clark, Chicago, Ill.
Ness, George M., Jr., 61 Fulton, New York.
Sackmann Mfg. Co. (Inc.), Akron, O.
Smith, R. H. Mfg. Co., 293 Main, Springfield, Mass.

Dies (Sub-Press)

American Watch Tool Co., Waltham, Mass.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Risdon Tool Works (Inc.), Waterbury, Conn.
WALTHAM MACHINE WORKS (For Watch & Clock Factories), Waltham, Mass. (See adv. index, end of book)



SUB-PRESS DIES

are necessary for accurate work. The punch and die are always in line and always ready to use.

Send for Folder and Samples.

Waltham Machine Works
Waltham, Mass.

Dies (Thread Cutting)

(See Dies, Screw Cutting)

Dies (Wire Drawing)

Bassanger, Jacques & Co., 108 Fulton, New York
Hartley, Geo., Waterbury, Conn.
McFarland Foundry & Machine Works, Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Newman, C. Wire Co., 143 Liberty, New York.
Newton, J. W. (Also Blanks & Wortles), 81 John, New York
Philadelphia Roll & Machine Co. (Cast Chilled), S. 23d & Wash'n av., Phila., Pa.
Roux & Co. ("Diamond"), Waterbury, Conn.
Waldeck, Anthony, 7607 B'way, S E. Cleveland, O
Waterbury Wire Die Co., Waterbury, Conn.

Digesters

American Process Co. (& Cookers), 68 William, New York
Atlantic Works, 70 Border E. B., Boston, Mass.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Dempwolf, C. H. & Co., York, Pa.
Dillon, D. M., Fitchburg, Mass.
Eastwood Wire Mfg. Co. ("Perfection" Bronze for Paper Mills), Belleville, N. J.
McNeil Boiler Co., Akron, O.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end book)
Manitowoc Steam Boiler Works (Pulp), Manitowoc, Wis.
Munroe, R. & Sons Corporation, 23d & Smallman, Pittsburg, Pa.
PETROLEUM IRON WORKS CO. (Pulp), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Petty, J. K. & Co., Stephen Girard bldg, Phila., Pa.
Pollock, Wm. B. Co. (Of Large Capacity & Pressure for Pulp Mills), Youngstown, O.
Portland Co. (For Sulphite Mills), Portland, Me.
Pusey & Jones Co. (Riveted Sulphate), Wilmington, Del.
Riter-Conley Mfg. Co., Pittsburg, Pa., & 111 B'way, New York
Smith, Theodore & Sons Co., ft. of Essex, Jersey City, N. J.
Stuart & Peterson Co., Burlington, N. J.
Tippett & Wood, Phillipsburg, N. J.

Diggers (Beet)

Avery, B. F. & Sons, Louisville, Ky.
Bucher & Gibbs Plow Co. (The Michigan), Canton, O.
Parlin & Orendorff, Canton, Ill.

Diggers (Peanut)

Cardwell Machine Co., Richmond, Va.
Champion Potatoe Machinery Co., Hammond, Ind.

Diggers (Post Hole)

Avery Stamping Co. ("Never-Break"), Cleveland, O.
Baldwin Forging & Tool Co., Columbus, O.
Bolton, John S., Moline, Ill.
Brown Mfg. Co. ("Brown Champion"), Zanesville, O.
Buckeye Mfg. Co. ("Lock Lever"), Canton, O.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Empire Plow Co. ("Champion"), Cleveland, Ohio
Eureka Digger Co., 142 Huron, Chicago, Ill.
Gibbs Mfg. Co. ("Columbia," "Gibbs," "National"), Canton, O.
Hubbard & Co., Pittsburg, Pa.
Iwan Bros. ("Iwan's," "Iwan's Hercules," "Split Handle," "Perfection"), South Bend, Ind.
Jackson Shovel & Tool Co. ("Montpelier," "Automatic," "Badger," "Solid"), Montpelier, Ind., & Market & Randolph, Chicago, Ill.
Klein-Logan Co., S 18th & Breed, Pittsburg, Pa.
Kohler, F. E. & Co. ("Kohler," "Universal," "Little Giant," "Invincible," "Rival," "Hercules," "Champion" & Pioneer"), Canton, O.
Laramy-Howlett Co. (Butcher Automatic), Ney Mfg. Co., Canton, O. Cambridge, Mass.
Ney, V. L. Co. ("Ney's," Lock Lever), Canton, Ohio
Ohio Cultivator Co. ("Champion"), Bellevue, Ohio
Oliver Iron & Steel Co. (Loop or Tamping Top), Pittsburg, Pa.
Osmund Son Spade Mfg. Co. ("One Minute"), Perry, Iowa
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Porter, J. E. Co. ("E-Z"), Ottawa, Ill.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.
Western Steel & Iron Works, De Pere, Wis.
Whitman & Barnes Mfg. Co. ("National"), West Pullman, Chicago, Ill.

Diggers (Potato)

Allen, E. R. Foundry Co. ("Boss," Potato Digging Machines), Corning, N. Y.
Allen, S. L. & Co. ("Plavet, Jr." Plow, for White or Sweet Potatoes), Phila., Pa.
American Fork & Hoe Co., Cleveland, O.
Anderson, J. H. & Co. (Hand), St. Louis, Mo.
Armstrong Machine Works ("Dodge," Potato Digging Machines), Three Rivers, Mich.
Aspinwall Mfg. Co. ("Aspinwall," Potato Digging Machines), Louisville, Ky.
Avery, B. F. & Sons ("Avery," Plow, for White or Sweet Potatoes), Louisville, Ky.
Babcock Mfg. Co. (Cummings, "Otsego," Potato Digging Machines), Leonardsville, N. Y.
Bateman Mfg. Co. ("Iron Age," Potato Digging Machines), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co. ("Hitchcock" Plow), Chicopee Falls, Mass.
Blount Plow Works ("Blount," Plow), Evansville, Ind.
Bradley, David Mfg. Co. ("Bradley," "David" Plow), Bradley, Ill.
Brown, Peter & Son ("Brown" Potato Digging Machines), Greeley, Colo.
Brown-Manly Plow Co. ("Daisy Jr." Plow)
Burch Plow Works Co. ("Burch" Plow), Crestline, O.
Champion Potato Machinery Co. ("O-K Champion" Potato Digging Machines), Hammond, Ind.
Chattanooga Plow Co. ("Chattanooga" Plow), Chattanooga, Tenn.
Deere & Co. ("Eclipse," "Jno. Deere," "Shaker" Plow), Moline, Ill.
Donaldson Bros. ("Valley" Plow), Mount Clemens, Mich.
Doughten, H. W. ("King of Potato Field" Plow), Moorestown, N. J.
Dowden Mfg. Co. ("Dowden," Potato Digging Machines), Prairie City, Ia.
Egan Mfg. Co. ("Egan" potato digging Machines), La Crosse, Wis.

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Eureka Mower Co. ("Eureka" Plow), Utica, N. Y.
Fetzer & Co. ("McSherry," "Columbia A." "Plymouth A" Plow), Springfield, Ill.
Foryuhar, A. B. Co. ("Hallock" Plows & Machines), York, Pa.
Gowanda Agricultural Works ("Hamburg," "Knox" Potato Digging Machines), Gowanda, N. Y.
Greenberg, Edward ("Greenberg"), Arlington Heights, Ill.
Greenville Implement Co. ("Banner," Plow, Greenville, Mich.
Hamburg Plow Works ("Hamburg" Plow), Hamburg, Pa.
Hartford Plow Co. ("Rowell" Plow), Hartford, Wis.
Hench & Dromgold Co. ("Hench & Dromgold" Plow), York, Pa.
Hirsch Bros. ("Hirsch" Plow), Milwaukee, Wis.
Hist Mfg. Co. ("Hist," Potato Digging Machines), Barberton, O.
Hoover Mfg. Co. ("Hoover" Potato Digging Machines), Avery, O.
Keystone Farm Machine Co. ("Success, Jr." Plow), York, Pa.
Lean, Roderick Mfg. Co. ("Lean, Roderick," Plow), Mansfield, O.
Messinger Mfg. Co. ("The Champion" Plows & Machines), Tatamy, Pa.
Moline Plow Co. ("Moline Knocker" Plow), Moline, Ill.
Moore Plow & Implement Co. ("Moore" Plow), Greenville, Mich.
Mountville Mfg. Co. ("Mountville" Plow), Mountville, Pa.
Northwestern Steel & Iron Works ("Clipper" Plow), Eau Claire, Wis.
Parlin & Orendorff Co. ("Canton" Plow), Canton, Ill.
Peek, S. H. ("Reuther" Potato Digging Machines), Aurora, N. Y.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Racine-Sattley Co. ("Rustler" Plow), Springfield, Ill.
Rock Island Plow Co. ("Blue Bell," "Rattler" Plow), Rock Island, Ill.
Schofield & Co. ("Schofield" Plows & Machines), Freeport, Ill.
South Bend Chilled Plow Co. ("South Bend" Plow), South Bend, Ind.
Star Mfg. Co. ("Common Sense," "Killarney King" Plow), Carpentersville, Ill.
Standard Harrow Co. ("Standard" Machines), Utica, N. Y.
Sterling Mfg. Co. ("Sterling" Plow), Sterling, Ill.
Syracuse Chilled Plow Co. ("Syracuse" Plow), Syracuse, N. Y.
Wallace & Ireland ("Hay" Machines), Spencerport, N. Y.

Diggers (Stubble)

Avery, B. F. & Sons, Louisville, Ky.
Deere & Mansur Co., Moline, Ill.
Hall, Jas. H., Plow Co., Maysville, Ky.
Moline Plow Co. ("Cap't Lafitte"), Moline, Ill.

Dimmers (Theatre)

American Elec. Heating Corp., Cambridge, Mass.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Simplex Electrical Co., Cambridge, Mass.
Ward, Leonard Electric Co., Bronxville, N. Y.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

*Directories for Office & Loft Buildings

TABLET & TICKET CO., 70-86 W Jackson boul, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Discs (Armature)

(Iron Discs & Segments)

AMERICAN-GOETZE GASKET & PACKing Co. ("Goetze's" Copper Asbestos or Nickel), 532 E 149th, New York. (See adv. index, end of book)
Avery Stamping Co., Cleveland, O.
Cary, Edw. E. Co. (Importers), 61 Park pl, New York
Cleveland Armature Works, Cleveland, O.
Hendrick Mfg. Co., Carbondale, Pa.
Smith, Thomas Co., Worcester, Mass.
W. & S. Mfg. Co., Worcester, Mass.

*Discs (Fibre)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Discs (Friction)

Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Houghton, E. F. & Co. ("Vici" Leather), 240 W Somerset, Phila., Pa.

Discs Grain Drill

Indiana Rolling Mill Co., New Castle, Ind.

Discs (Harrow)

Cambria Steel Co. (Steel), Arcade bldg., Phila., Pa.
Crucible Steel Co. of America, Pittsburg, Pa.
Galesburg Coulter Disc Co., Galesburg, Ill.
Indiana Rolling Mill Co., New Castle, Ind.
Norwalk Steel & Iron Co. (Crucible), Norwalk, O.
Taylor, N. & G. Co., Mariner & Merchants' bldg., Phila., Pa.

Discs (Iron & Steel)

Nicetown Plate Washer Co., Nicetown, Phila., Pa.

Discs (Radiator)

AMERICAN-GOETZE GASKET & PACKing Co. ("Goetze's" Copper Asbestos or Nickel), 532 E 149th, New York. (See adv. index, end of book)
Bliss-Chester Co., 31 Mathewson, Providence, R. I.
Briscoe Mfg. Co., 1427 Woodward av, Detroit, Mich.
Globe Machine & Stamping Co., 970 Hamilton, Cleveland, O.
Ohio Brass Co., Mansfield, O.

Discs (Slate)

McNamara Bros., Fair Haven, Vt.

Discs (Turntable)

Reeves, Paul S., & Son, 1415 Catharine, Phila., Pa.

Discs (Valve)

AMERICAN-GOETZE GASKET & PACKing Co. ("Goetze's" Copper Asbestos or Nickel), 532 E 149th, New York. (See adv. index, end of book)
American Hard Rubber Co., 9 Mercer, New York
BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Bushnell, Jno. S. & Co. ("Tuf Metal"), 227 Fulton, New York
Continental Rubber Works, Erie, Pa.
Dayton Rubber Mfg. Co., Dayton, O.
Goodrich, B. F. Co., Akron, O.
Jenkins Bros., 71 John, New York
JOHNS-PRATT CO., THE, Hartford, Conn.
Libby Valve & Packing Co., Niantic, Conn.
Morgan & Wright (Inc.) ("Morganite"), Detroit, Mich.
National Tube Co. (Copper "Jenkins"), Pittsburg, Pa.
Never-Leak Disc Co. ("Never-Leak" Composition Metal), 1028 Susquehanna, Phila., Pa.
New York Belting & Packing Co., 91 Chambers, New York
Nichols Mfg. Co., 225 Dearborn, Chicago, Ill.
Peerless Rubber Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO. (Rubber), Jeannette, Pa. (See adv. index & branch offices, end of book)
STRONG MACHINERY & SUPPLY CO. ("Strong's I. O. P."), 48 Franklin, New York. (See adv. index, end of book)
Western Rubber Wks. (Rubber), Goshen, Ind.

Dishes (Chafing)

American Electrical Heater Co. (Electric), 128 State, Detroit, Mich.
Buckeye Aluminum Co. (Aluminum), Doyles-Buffalo Mfg. Co., Buffalo, N. Y. town, O.
Central Stamping Co., 174 Fulton, New York
Clayton & Co. ("Travelers"), 421 Kent av, Brooklyn, N. Y.
Goodwin & Kintz Co., Winsted, Conn.
Griswold Mfg. Co. (Aluminum), Erie, Pa.
International Silver Co., 9 Maiden la, New York
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning, Bowman & Co., Meriden, Conn.
Republic Metalware Co. (Aluminum), Buffalo, N. Y., & 21 Cliff, New York
Sternau, S., & Co., 195 Plymouth, Brooklyn, N. Y.
Sweeney, W. H. Mfg. Co. ("Royal," Copper & Nickel Plated, etc.), 66 Water, Brooklyn, N. Y.
Wallace, R. & Sons Mfg. Co., Wallingford, Conn.

Disinfectants

Am. Aromatic Disinfector, 428 Walnut, Phila., Pa.
Antozone Chemical Co., 25 Coenties sl, New York
Armitage Mfg. Co. (Paint), Richmond, S. I., N. Y.
Atlantic Refining Co., Citizens' bldg, Cleve-
Barrett Mfg. Co., Philadelphia, Pa. land, O.
Brownson Chemical Co., Providence, R. I.
Burch, F. S. & Co., Chicago, Ill.
Chemical Mfg. Co., Minneapolis, Minn.
Coal Tar Products Co. (Smith & Creamer), Brooklyn, N. Y., & 77 Maiden la, New York
Corbin Disinfecting Co. ("Napthol-Phenoline"), 229 S Front, Phila., Pa.
Cremoline Mfg. Co., 2118 Olive, St. Louis, Mo.
Cromwell-Walker Co., Harrison, N. J.
Dayton, Wm. H., Corlett, Cleveland, O.
Durfee Embalming Fluid Co., Grand Rapids, Mich.
Dusenberry, H. C., 95 Gold, New York
Eagle Oil & Supply Co. ("Eagleine"), 104 Broad, Boston, Mass.
Easton, A. D. Co., Cincinnati, O.
Egyptian Chemical Co., Boston, Mass.
Embalmers Supply Co., Westport, Conn.
Empire Embalming Fluid Co., 111 Water, New York
Farbenfarbriken of Elberfeld Co. ("Antinonin"), 66 Lafayette, New York
Fitch Chemical Co., Bay City, Mich.
Fuerst Bros. & Co., 2 Stone, New York
Godfrey Disinfectant & Chemical Co., St. Louis, Mo.
Good, James, 939 N Front, Phila., Pa.
GROSCHE, BRUNO & CO., 13 Jones la, New York. (See adv. index, end of book)
Houghton, E. F. & Co. ("Houghton" Odorless), 240 Somerset, Phila., Pa.
Hunt Mfg. Co., 4099 Pearl rd, S. W., Cleveland, O.
Hygeia Chemical Co., 259 W 22d, New York
Hygeia Napthol Co., 149 Mercer, New York
Hygeno Disinfectant Co., Citizens' bldg, Cleveland, O.
Hylo Disinfectant Co., Marshalltown, Ia.
Indianapolis Chemical Co., Indianapolis, Ind.
Kathario Chemical Co., 262 Pearl, New York
Lyons Disinfecting Co., 82 Greenwich av, New York
Masury, Young & Co., 196 Milk, Boston, Mass.
Minor, W. E., & Co., 800 Long av, N. W., Cleveland, O.
Monahan Antiseptic Co., 123 Liberty, New York
National Disinfecting Co., 306 E 59th, New York
Numbers Disinfectant Co., 4109 Prospect av, S. E., Cleveland, O.
Ohio Paint & Varnish Co. ("Superior" Liquid), Findlay, O.
Omnia Chemical Co., 133 Reade, New York
Parke, Davis & Co., Detroit, Mich.
Phinotas Chemical Co., 237 Front, New York
Platt, Henry B., 42 Cliff, New York
Plunkett Chemical Co., 2243 Cottage Grove av, Chicago, Ill.
Prescott Chemical Co., Cleveland, O.

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Rath Mfg. Co. ("Rathola," Liquid), Hedley & Richmond, Phila., Pa.
Red Cross Hygienic Co., Chicago, Ill.
Rice, George A., 2131 Market, Phila., Pa.
Robachers' Disinfectant Co., 77 Kenil av, Rochester, N. Y.
Robbins Chemical Co., 505 W 50th, New York
Rochester Germicide Co., Rochester, N. Y.
Sanitas Co., 640 W 55th, New York
Soudan Specialty Mfg. Co., Milwaukee, Wis.
Sulpho-Napthol Co., 4 Merrimac, Boston, Mass.
Sultar Co., 210 E 54th, New York
Summerville Fernoline Works, Summerville, S. C.
Syracuse Ext. Co., Syracuse, N. Y.
United Breeders Co. of America (Inc.), 151 E Kinzie, Chicago, Ill.
United Disinfecting Co., 210 E 35th, New York
Vapo-Cresoline Co., 180 Fulton, New York
Waelde, Herman, 782 Frankfort av, N. W., Cleveland, O.
West Disinfecting Co. (Inc.), 9 E 59th, New York
White Tar Co., 5 Front, New York
World Disinfectant & Insecticide Co., 2025 Ridge av, Phila., Pa.
World Mfg. Co., 2001 Ridge av, Phila., Pa.
Worrell Mfg. Co., Sedalia, Mo.

Disinfecting Apparatus

(See also Machinery, Disinfecting)

American Sterilizer Co., Erie, Pa.
Bernstein Mfg. Co. (For Hospitals), 3d & Westmoreland, Phila., Pa.
Hydro-Pneumatic Disinfecting Co., 221 Mercer, New York
VOELKNER & HARRY MANUFACTURing Co., 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)

Disintegrators

American Clay Machinery Co. (Clay), Bucyrus, O.
Brewer, H. & Co. (Clay), Tecumseh, Mich.
Campbell, Peter F. (Mill), 51 Laurel, Phila., Pa.
Chambers Bros. Co. (Clay), 52d, bel. Lancaster av, Phila., Pa.
Codd, E. J. Co. (For Fertilizer Plants), 700-708 S Caroline, Baltimore, Md.
Day, J. H. Co., 1144 Harrison av, Cincinnati, O., & 76 Park pl, New York
Fate, J. D. (Clay), Plymouth, O.
HILL & GRIFFITH CO. (For Sand), Cincinnati, O. (See adv. index, end of book)
Horton Mfg. Co. (Clay), Painesville, O.
JEFFREY MFG. CO. (Coal, etc.), Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co. (For Coal, etc.), W. 39th cor. Stewart av, Chicago, Ill., & 299 B'way, New York
Marquette, Jno. N., 507 S Eden, Baltimore, Md.
Martin, Henry Brick Machine Mfg. Co. (Clay), Lancaster, Pa.
Paxson, J. W. Co. (Sand), 1021 N. Del. av Phila., Pa.
Potts, C. & A. & Co. (Clay), Indianapolis, Ind.
Rockwood Mfg. Co., Indianapolis, Ind.
Ross, Chas. & Son Co., 20 Steuben, Brooklyn, N. Y.
Ross-Keller Triple Pressure Brick Machine Co., Fullerton bldg, St. Louis, Mo.
Standard Sand & Machine Co. (Sand, Standard Centrifugal), 5157 St. Clair, Cleveland, O.
Stedman's Foundry & Machine Works (Clay), Aurora, Ind.
Steele, J. C. & Son, Statesville, N. C.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Walker & Elliott, Wilmington, Del.
Warnoth, Frank S. (Sugar Cane), Morris bldg. New Orleans, La.
Wellington Machine Co. (Clay), Wellington, O.

Display Fixtures

(See Window Display Fixtures)

*Distilling Apparatus

(See also Stills of Various Kinds)

GRISCOM-SPENCER CO. (Water, also Salt Water), 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)

Ditcher, Grader & Loader Combined

American Road Machine Co., Kennett Square, Pa.
Indiana Road Machine Co., Fort Wayne, Ind.
Marion Steam Shovel Co., Marion, O.
Western Wheeled Scraper Co., Aurora, Ill.

Ditching Machines

(See Ditching Machines in Machinery Lists; also Road Machines & Graders)

Divers (Submarine)

Alaska Co., Seattle, Wash.
Boston Towboat Co., 181 State, Boston, Mass.
Bundick, Jno. S., 49 South, New York.
Christensen, E. T., 130 Pearl, New York
Craemer, Fred., 1220 Beach, Philadelphia, Pa.
Dunham Towing & Wrecking Co., 210 S Water, Chicago, Ill.
Jenks, Edward B. Co., 143 Liberty, New York
Larkin, Peter, 3 Coenties Slip, New York
Lowe, Edward E., 806 Herkimer, Brooklyn, N. Y.
Merritt & Chapman Derrick & Wrecking Co., 17 Battery pl, New York
Nickerson, Jas. E. & Co., 195 Atlantic av, Boston, Mass.
Phillips, H. W., 16 Devonshire, Boston, Mass., & Quincy, Mass.
Quinn, J. S. & Co., 15 W Atwater, Detroit, Mich.
Scott, Thos. A. Co., New London, Conn.
Sorenson, Alfred, 36 Atlantic av, Boston, Mass.
Townsend, Geo. W., 202 Atlantic av, Boston, Mass.
Webster, Frank W., 169 Princeton, Boston, Mass.
Wolter, H., 318 Walnut, Phila., Pa.

Dividers

(See also Compasses)

Athol Machine Co. ("Premier" & "A. M. C."), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Eagan, Thos. F. ("Copeland & Cook" Expansion), Worcester, Mass.
Johnson, Wm. (Hedenberg Works), ("Cook's" Pattern Expansion Wing, etc.), Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Schollborn, Wm. Co. ("Excelsior"), New Haven.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Welles, F. A., 419 Sycamore, Milwaukee, Wis.

Diving Apparatus

Hale, Alfred Rubber Co., 17 Covington, S. B., Boston, Mass.
Merrill-Stevens Engineering Co., Jacksonville, Fla.
Morse, A. J. & Son (Inc.), 221 High, Boston, Mass.
Schrader's, A. Son., 80 Rose, New York

Dock Builders

CALIFORNIA.

SAN FRANCISCO—American Dredging Co., 0 East
Atlantic Gulf & Pacific Co., Monadnock bldg
City Street Improvement Co., 17th & Harrison
Healy-Tibbetts Construction Co., Mission st dock or Mason & North Point
Hyde, Harjes & Co., 112 Market
Laydon, Darby, 219 Steuart
McMahon, James A., 13 Steuart
Pacific Construction Co., 16 Cal.
San Francisco Bridge Co., Monadnock bldg
STEWART, JAS. & CO., 709 Mission
Thomson Bridge Co., 103 Main
Wakefield, Robert, 178 Spear

COLORADO.

DENVER — STEWART, JAS. & CO., Century bldg

CONNECTICUT.

BRIDGEPORT—Blackman, M. A., 985 Stratford av
Toole & Sunderlin, 83 Fairfield av
NEW HAVEN—New Haven Rigging Co.
Waterhouse, C. R., Jr., 40 Park
NEW LONDON—Scott, Thomas A. Co.

DELAWARE.

WILMINGTON—Wills, F. K., Construction Co.

FLORIDA.

JACKSONVILLE—Cotter, Wm. T.

GEORGIA.

SAVANNAH—Ross, P. Sanford

ILLINOIS.

CHICAGO—Barry Bros. Dock Co., E end Mich.
Fitzsimons & Connell Co., 1012 Tacoma bldg
Great Lakes Dredge & Dock Co., Chamber of Commerce bldg
Holcomb Engineering Co., 9 Jackson boul
Kearns, T. A. Co., 279 Dearborn
Stebbings, W. L. (Coal, Ore, etc.), Monadnock blk
STEWART, JAS. & CO., Fisher bldg

LOUISIANA.

NEW ORLEANS—STEWART, JAS. & CO.

MAINE.

PORTLAND—Bennett, W. F. & Son

MARYLAND.

BALTIMORE—Glenn, Benj., 2300 E Baltimore
McLean Contracting Co., Maryland Trust bldg
Maryland Dredging & Contracting Co., Fidelity bldg
Sanford & Brooks Co., 24 Commerce

MASSACHUSETTS.

BOSTON—Cavanagh Bros., 471 Dorchester av
Cavanagh, Geo. H., 166 Devonshire
Cram, D. Henry, 28 Power
Derry, Chas. T. & Co., 68 Devonshire
Ellis, W. H., 17 Milk
Hayes, Geo. Co., 166 Devonshire
Hersey, A. A., 362 Border
Lawler Bros. 16 City sq, Ch'n
Miller, Wm. L., 166 Devonshire
Norton, W. A., 285 Dorchester av
Rendle, W. S. Co., 135 Prescott
Ross, Joseph Corpn., 28 School
Ruggles, Thos. E., 95 Milk
Tidd, L. R., 166 Devonshire
CAMBRIDGE—Scully, Jno. T. Foundation & Transportation Co.
FALL RIVER—Terry, Jos. C., 564 Durfee

MICHIGAN.

DELRAY—Boston, Chas. & Son
DETROIT—Candler Dock & Bridge Bldg. Co., 26 Lafayette av
Dupuis, A. J. Co., Buhl blk
Ginzel, John, Co., 46 Buhl bldg
Griffin, M. J., 169 Stanton av
GRAND RAPIDS—Savage, E. J., 344 1st
MARQUETTE—Powell & Mitchell
SAULT STE. MARIE—Great Lakes Dredge & Dock Co.

MINNESOTA.

DULUTH—Duluth-Superior Dredging Co., ft 6th av, W
Great Lakes Dredge & Dock Co.

MISSOURI.

ST. LOUIS—STEWART, JAS. & CO., New Nat'l Bank of Commerce bldg

NEW JERSEY.

CAMDEN—Henhoeffer & Vaugh, c Delaware & Vine
Sweeten, B. F. & Son, Cooper & Delaware
JERSEY CITY—Ross, P. S., 277 Washington
Stillman, F. M. Co., 26 Exchange pl
United Contractors Corporation
PERTH AMBOY—Hanson, Jacob

NEW YORK.

BUFFALO—Buffalo Dredging Co., D. S. Morgan bldg
Chapman, A. F. & Co., Prudential bldg
Harbrecht, Louis, 368 Connecticut
Lake Erie Dredging Co., D. S. Morgan bldg
Parks, Geo. & Sons, 217 15th
KINGSTON—Powley, Jos. L., Construction Co., 1 Ponckhockie
NEWBURGH—Parrott, Richard, 355 B'way

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Cronin, Barth S. & Co., 573 Clinton
Humphreys, George 575 Clinton
Kirkham, H. P. & Son, ft of Conover
Leary, Jas. D. & Son, Provost nr Eagle
Walsh, John D., 397 Hancock

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Boroughs of Manhattan & Bronx.

NEW YORK—Brooks, F. L., & Co., 258 E 138th
Brunswick Dock & City Improvement Co., Degnon Contracting Co., 60 Wall 20 Broad
Empire Eng. Corporation, 60 Wall
Foundation Co. (Engineers & Contractors, Concrete Piles & Steel & Wooden Sheetings), 115 B'way
General Contracting & Engineering Co., Hudson Terminal bldg
Hanover Land & Dock Co., 35 Wall
Hazell, Arthur M., 11 B'way
Hood, R. H. Co., 299 B'way
Jenks-Asserson Construction Co., 59 Pearl
Monks, John & Sons, 82 Beaver
Morris Heights Dock Co., 170 B'way
New Jersey Terminal Dock & Improvement Co., 62 Cedar
Rogers, G. W. & Co., 44 B'way
Rolf, Bernard, 39 Cortlandt
Seely-Taylor Co., 78 Broad
Spearin & Preston, 90 West
Staats, R. P. & J. H., 29 B'way
STEWART, JAS. & CO., 30 Church

Borough of Queens.

LONG ISLAND CITY—Hart, Hugh, 150 Pearsall

Borough of Richmond.

PORT RICHMOND—Conklin, Hiram M., Richmond ter

OHIO.

ASHTABULA—Laird, Jas. G. & Sons
CLEVELAND — American Construction Co., Rockefeller bldg
Carey Construction Co., Electric bldg
Great Lakes Dredge & Dock Co., 1630 Williamson bldg
Hunkin Bros. Construction Co., Cuyahoga bldg
Standard Contracting Co., Wade bldg
Strong, Chas. H. & Son, Cuyahoga bldg
TOLEDO—Great Lakes Dredge & Dock Co.

PENNSYLVANIA.

CHESTER—Roberts, Edward H.
PHILADELPHIA — American Dredging Co., Mariner & Merchant bldg
Armstrong & Latta, Land Title bldg
Atlantic Dredging Co., Girard bldg
Brenneman, J. E., 1523 S Front
Rotan, I. F., 307 S 41st
PITTSBURG—Enterprise Contracting Co., Fulton bldg
Pittsburg Dredging & Construction Co., 1108 Hartje bldg
STEWART, JAS. & CO., Westinghouse bldg

RHODE ISLAND.

PROVIDENCE—Stender, Frank C., & Co., 189 Rhodes
Tank & McKinnon Construction Co., 236 Industrial Trust bldg
SAUNDERSTOWN—Saunders, Stillman
WESTERLY—Davis, John F., 55 Clark

SOUTH CAROLINA.

CHARLESTON—Kramer, B. F., 60 Meeting

VIRGINIA.

NORFOLK—Murray, W. D. & Co.
Sanford & Brooks Co.
URBANNA—Wagner, L. B.

WASHINGTON.

SEATTLE—International Contract Co., N. Y. blk
Puget Sound Bridge & Dredging Co., 95 Yesler Way

WISCONSIN.

MILWAUKEE—Hathaway, J. E. & Co., Canal, W 1st av
Starke, C. H. Dredge & Dock Co., Canal W
SUPERIOR—Schmidt Bros., Hill 1st av
Whitney Bros. Co., 1st c Hugitt av

Dogs (Bench)

Stortz, John, & Son, 210 Vine, Phila., Pa.

Dogs (Bent Tail)

Le Count, Wm. G., S. Norwalk, Conn.

Dogs (Bolt)

Le Count, Wm. G., South Norwalk, Conn.

Dogs (Clamp)

Armstrong Bros. Tool Co., 104 N San Francisco av, Chicago, Ill.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Fitchburg Machine Works, Fitchburg, Mass.
Le Count, Wm. G. (Steel & Malleable Iron), South Norwalk, Conn.

Dogs (Die)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Fitchburg Machine Works, Fitchburg, Mass.
Putnam Machine Co., Fitchburg, Mass.

Dogs (Lathe)

Armstrong Bros. Tool Co., 104 N San Francisco av, Chicago, Ill.
Ayes & Co. ("Le Count" Pattern), 57 Ellen, Chicago, Ill.
Besly, Chas H. & Co. (Heavy Steel), 15 S. Clinton, Chicago, Ill.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bonney Vise & Tool Works ("Indispensable" Drop Forged, etc.), Allentown, Pa.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Hill Standard Mfg. Co. ("Hill" Drop Forged), Anderson, Ind.
Krus, Andrew F. & Co., 198 W Cityhourn pl Chicago, Ill.
Le Count, Wm. G. (Double Tail Heavy Steel), South Norwalk, Conn.
Mark Mfg. Co., Evanston, Ill.
O. K. Tool Holder Co., Shelton, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av, Brooklyn, N. Y.

Dogs (Rafting)

CARPENTER, GEO. B. & CO., 202 S. Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Works, Evart, Mich.
New Castle Forge & Bolt Co. (Also Chain), New Castle, Pa.
Southern Supply Co. (Rafting), Mobile, Ala.
Warren Axe & Tool Co., Warren, Pa.
Zelnicker, Walter A. Supply Co. (Chain & Ring), 408 N 4th, St. Louis, Mo.

Dogs (Ring)

Hayden-Corbett Chain Co. ("Baltimore"), Columbus, O.
New Castle Forge & Bolt Co., New Castle, Pa.

Dogs (Saw Mill)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co. ("American" Giant Duplex & "Knight's"), 50 Church New York. Works: Hackettstown, N. J.
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Bangor Edge Tool Co. ("The Peavy"), Bangor, Me.
Canton Saw Co., Canton, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works ("Diamond & Dittenbenner"), Minneapolis, Minn.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Fisher & Davis ("Knight"), 1024 N Main, St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Garland, M. Co. (Double Grip), Bay City, Mich.
Henderson, W. K. Iron Works & Supply Co., Shreveport, Iowa
Hill, W. E. & Co. (Double Tooth), Kalamazoo, Mich.
Hinds, Thos., Malone, N. Y.
Howell, R. R. & Co., 31st av, cor. S E 4th
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Lippert, E. T. Saw Mfg. Co., Bennett, Pa.
Phoenix Mfg. Co., Eau Claire, Wis.
Rockwood Mfg. Co., Indianapolis, Ind.
Sinker-Davis Co., 230 S Missouri, Indianapolis, Ind.
Soule Steam Feed Works, Meridian, Miss.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Southern Hardware & Supply Co., Mobile, Ala.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., The, Erie, Pa.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

*Dogs (Stone)

CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)

Dogs (Straight Tail)

Bonney Vise & Tool Works (Steel), Allentown, Pa.
Le Count, Wm. G. (With Steel Screws), South Norwalk, Conn.

Dogs (Thread Cutting Machine)

Peterson, H. L., Elgin, Ill.

Dogs (Timber)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Baker, Jas. H. Mfg. Co., Tarentum, Pa.
CARPENTER, GEO. B. & CO., 202 Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Works, Evart, Mich.
Metropolitan Bolt Co., 367 Congress, Boston
New Castle Forge & Bolt Co. (Also Chain), New Castle, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Southern Hardware & Supply Co. (Rafting), Mobile, Ala.
Standard Chain Co., Pittsburg, Pa.
Wickes Bros., Saginaw, Mich.

Dollies (Lumber)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Buda Foundry & Mfg. Co., Harvey, Ill.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Gerlach, Peter Co., Columbus rd & Winter, Cleveland, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Morley Bros., Saginaw, Mich.
Ohio Ceramic Engineering Co., Cleveland, O.
Payne & Joubert, New Orleans, La.
Soule Steam Feed Works, Meridian, Miss.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.

*Domes (Revolving, for Observatories)

KRATZER, W. N. & CO. (Steel), 3218 Smallman, Pittsburg, Pa. (See adv. index, end of book)

*Door Bolts (Double Acting Emergency Fire Exit)

COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)

Door Bumpers

Ashtabula Mfg. Co. ("Hubbard's" Patent Metallic Seamless), Ashtabula, O.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.

Door Check & Spring Mfrs.

Barnett, Oscar Foundry Co. ("Barnett Pneumatic"), Newark, N. J.
Bardsley, Jos., 149 Baxter, New York
BOMMER SPRING HINGES
255 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Caldwell Mfg. Co. (Checks, "Dime," "Caldwell"), Rochester, N. Y.
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.

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Corbin, P. F., New Britain, Conn.
General Specialty Co. ("Dorecheck"), 14 S 4th, Phila., Pa.
Middletown Mfg. Co. ("Gerau"), Middletown, Ohio
Norton Door Check Co., 102 Pearl, Boston, Mass.
Pryor, W. W. Hardware Mfg. Co., 23 Ashland, Newark, N. J.
Pullman Mfg. Co., Rochester, N. Y.
Reading Hardware Co. ("Ogden"), Reading, Pa.
Rixson, Oscar C. Co. ("Rixson" Liquid, Single & Double Acting), 111 W Harrison, Chicago, Ill.
Russell & Erwin Mfg. Co. ("Russwin" Liquid), New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., 94 Centre, New York, & New Haven, Conn.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Yale & Towne Mfg. Co. ("Blount" Liquid), 9 Murray, New York

*Door Closers

BOMMER SPRING HINGES

255 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Door Hangers

Allith Mfg. Co. ("Reliable"), W Taylor c S 43d av, Chicago, Ill.
Arcade Mfg. Co. ("New Warner," "Freeport" Parlor), Freeport, Ill.
Burkhardt, John (Bronse), 614 W 55th, New York
Central City Bolt Co. ("The Barry"), Syracuse, N. Y.
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
CHISHOLM & MOORE MFG. CO., 49th & Lake, Cleveland, O. (See adv. index, end of book)
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Coleman Hardware Co. (Barn), 168 Michigan av, Chicago, Ill.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Davidson & Willeur, Ashland, O.
Dille & McGuire Mfg. Co. (Trackless), Richmond, Ind.
Dix Mfg. Co. ("Dix" Noiseless), Baltimore, Md.
Gardner-Champlin Co., First National Bank bldg, Chicago, Ill.
Griffin Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hendricks & Class, 25 W B'way, New York
Lane Bros. Co., Poughkeepsie, N. Y.
Lawrence Bros. (Also Roller Bearing), Sterling, Ill.
Louden Machinery Co., Fairfield, Ia.
McCABE HANGER MFG. CO. (Ball-Bearing & Tubular), 425 W 25th, New York (See adv. index, end of book)
McKinney Mfg. Co. (Barn Door), Allegheny, Pa.
Myers, F. E. & Bro. (Flexible "Stayon," "O K. Tandem," "Sure Grip," "Sure Grip Adjustable," "Roller Bearing"), Ashland, O.
National Mfg. Co. ("Silent"), Sterling, Ill.
NEWHALL, HENRY B., 90 West, New
Ney Mfg. Co., Canton, O. York
Pacific Tank Co. ("Pitcher" Sliding), San Francisco, Cal.
Payne, Wm. M. (Barn), Springfield, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Porter, J. E. Co., Ottawa, Ill.
Prescott Hardware Mfg. Co., 78 Randolph, Chicago, Ill.
Prouty, T. C. Co. (Ltd.) (Ball & Roller Bearing), Albion, Mich.
Reading Hardware Co., Reading, Pa.
Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York
Richards Mfg. Co. (Ball Bearing), Aurora, Ill.
Richey, Browne & Donald (Crescent), Maspeth, Borough of Queens, New York City
Roof, W. S. (Sliding or Folding Door or Partition), Franklin, O
Safety Door Hanger Co. ("World's Best" & "Wizard" Adjustable), Ashland, O.
Schwarz, S. D. & Co. ("Atlas"), 1183 B'way, New York
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Sharon Hardware Mfg. Co. ("Sharon" Flexible), Sharon, Pa.
Stearns, E. C. & Co. ("Warner's" Parlor Door), Syracuse, N. Y.
Stowell Mfg. & Foundry Co. ("Wilborn Adjustable," "Ajax Hinged," "Matchless Loose Axle," "Nansen's" & "Atlas" Roller Bearing), South Milwaukee, Wis.
Swett, A. L. Iron Works, Medina, N. Y.
Swineford, G. A. Co. ("Hinge-Stay-On"), Canton, O.
Victor Mfg. Co., Newburyport, Mass.
WHITMAN & BARNES MFG. CO. ("W. & B. Swing"), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Whitaker Mfg. Co. ("Whitaker"), 30 W Monroe, Chicago, Ill.
Wilcox Mfg. Co. (Ball Bearing, House, "Cracker Jack," "O. K.", "Wilcox," "Wilcox Stay-on," "Wilcox Tandem," "Wilcox World Wide"), Aurora, Ill.
Wrightsville Mdwre. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York; Works: Stamford, Conn.

*Door Hangers (Accordion or Folding)

McCABE HANGER MFG. CO., 425 W 25th, New York. (See adv. index, end of book)

Door Hangers (Auditorium)

Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Wilcox Mfg. Co. (Folding), Aurora, Ill.

Door Hangers (Barn or Warehouse)

Allith Mfg. Co. ("Reliable"), W Taylor c S 43d av, Chicago, Ill.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arnold Co. ("Arnold," "Best," "Boss," "Duplex," etc), Norwalk, Conn.
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
CHISHOLM & MOORE MFG. CO. (Warehouse Only), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Coburn Trolley Track Mfg. Co. ("Coburn"), Holyoke, Mass.
Coleman Hardware Co., 168 Michigan av, Chicago, Ill.
Cronk & Carrier Mfg. Co. (Steel Roller Bearings & Loose Axle), Elmira, N. Y.
Griffin Mfg. Co., Erie, Pa.
Hacking Mfg. Co. ("Peerless"), Prior & Oakley avs, St. Paul, Minn.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hunt, Helm, Ferris & Co. ("Star," "U. S.," "Giant," "Knoxall," "20th Century," Plain & Ball Bearing, Harvard, Ill.
Hurst, H. L. Mfg. Co., Canton, O.
Kupferle, Jno. C. Foundry Co., St. Louis, Mo.
Lane Bros. Co., Poughkeepsie, N. Y.
Lawrence Bros. ("Clipper" also Roller Bearing), Sterling, Ill.
Louden Machinery Co. ("Louden," "Royal"), Fairfield, Ia.
McCABE HANGER MFG. CO. (Ball-Bearing, etc.), 425 W 25th, New York. (See adv. index, end of book)
McKinney Mfg. Co., Allegheny, Pa.
Myers, F. E. & Bro. ("Myers," "Stay On," "O. K.", "Sure Grip"), Ashland, O.
National Mfg. Co. ("National," "Big 4," Flexible, Anti-Friction), Sterling, Ill.
New England Butt Co. ("New England"), Providence, R. I.
NEWHALL, HENRY B., 90 West, New
Ney Mfg. Co., Canton, O. York
Payne, Wm. M., Springfield, Ill.
Peck, Stow & Wilcox Co. ("P., S. & W."), Southington, Conn.
Penn Hardware Co., Reading, Pa.
Porter, J. E. Co. ("Can'tgetoff" & "Porter's") Ottawa, Ill.
Prouty, T. C. Co. (Ltd.) (Roller Bearing), Albion, Mich.
Racine Malleable & Wrought Iron Co. ("Wilbern"), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York
Richards Mfg. Co. ("Acme," "Ajax," "Duplex," "Everon," "Gem," "Richards' Boss," "Richards' Peerless," "King," "Samson," "Standard," "Superior," "Shurion," "U. S.," "Victor," "World," "Richards' Ball Bearing"), Aurora, Ill.
Richey, Browne & Donald ("Crescent"), Maspeth, Borough of Queens, New York City
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Safety Door Hanger Co. ("Safety," "Storm King," "World's Best," "U. S. Standard," "Wizard," "Adjustable"), Ashland, O.
Sargent & Co., New Haven, Conn.
Schreiber & Conchar Mfg. Co., Dubuque, Ia.
Sharon Hardware Mfg. Co. ("Sharon" Flexible), Sharon, Pa.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Stowell Mfg. & Foundry Co. ("Ajax," "Nansen," "Rex," "Wilbern," "Matchless," "Wilbern Adjustable," "Wild West" & "Matchless"), S Milwaukee, Wis.
Swett, A. L. Iron Works ("Pilot"), Medina, N. Y.
Swineford, G. A. Co. ("Hinge-Stay-On"), Canton, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Union Mfg. Co. ("Union"), New Britain, Conn.
Victor Mfg. Co., Newburyport, Mass.
Whitaker Mfg. Co. ("Whitaker"), 30 W Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO. ("W. & B. Swing"), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co. ("Cracker Jack," "L.-T." "O. K.," "Wilcox," "Wilcox-Spencer," "Wilcox-Tandem," "Wilcox-Stay-On," Trolley Roller Bearings, "Wilcox World Wide," etc.), Aurora, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

Door Hangers (Car)

CHISHOLM & MOORE MFG. CO. ("Moore's" Baggage Door), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Jones Car Door Co., Monadnock blk, Chicago, Kanaly, M. E. Co., Cambridgeport, Mass. Ill.
McCABE HANGER MFG. CO. (Ball-Bearing, etc.), 425 W 25th, New York. (See adv. index, end of book)
NEWHALL, HENRY B., 90 West, New York
Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York

Door Hangers (Elevator)

CHISHOLM & MOORE MFG. CO., ("Moore's," Anti-Friction Roller Bearing), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Lane Bros. Co., Poughkeepsie, N. Y.
McCABE HANGER MFG. CO. (Ball-Bearing, etc.), 425 W 25th, New York. (See adv. index, end of book)
NEWHALL, HENRY B., 90 West, New York
Perkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
Reliance Ball Bearing Door Hanger Co. ("Reliance"), 1 Madison av, New York
Richards Mfg. Co., Aurora, Ill.
Stowell Mfg. & Foundry Co. (Loose Axle & Roller Bearing), S Milwaukee, Wis.
Wilcox Mfg. Co. (Roller Bearing, etc.), Aurora, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Door Hangers (Fire)

Allith Mfg. Co. (Automatic), W Taylor c S 43d, av, Chicago, Ill.
Brewer Bros. (Sliding), 614 Filbert, Phila., Pa.
California Fire Proof Door Co. ("Wilcox"), Los Angeles, Cal.
Lane Bros. Co., Poughkeepsie, N. Y.
McCABE HANGER MFG. CO. (Ball-Bearing, etc.), 425 W 25th, New York. (See adv. index, end of book)
Myers, F. E. & Bro., Ashland, O.
NEWHALL, HENRY B., 90 West, New York
Peters, Jas. & Son (Sliding), 1934 N Front, Phila., Pa.
Prouty, T. C. Co. (Ltd.) (Roller Bearing), Albion, Mich.

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Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York
Richards Mfg Co. (Ball Bearing, also Fixtures), Aurora, Ill.
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W. 27th, New York. Works: Richmond, Ind.
Stowell Mfg. & Foundry Co. ("Wilbern Adjustable," "Underwriters"). S Milwaukee, Wis.
Victor Mfg. Co., Newburyport, Mass.
Wilcox Mfg. Co. (Every Description), Aurora, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)

Door Hangers (House)

(See Door Hangers, Parlor)

Door Hangers (Noiseless, House)

Reliance Ball Bearing Door Hanger Co. ("Reliance"), 1 Madison av, New York

Door Hangers (Parlor)

Arcade Mfg. Co. ("The Warner," also "Freeport"), Freeport, Ill.
Central City Bolt Co. (Barry), Syracuse, N. Y.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Dix Mfg. Co. ("Dix" Noiseless), Baltimore, Md.
Lane Bros. Co., Poughkeepsie, N. Y.
Lawrence Bros. (Roller Bearing), Sterling, Ill.
Luitank & Sons Mfg. Co., Milwaukee, Wis.
McCABE HANGER MFG. CO. (Ball-Bearing, etc.), 425 W 25th, New York. (See adv. index, end of book)
National Mfg. Co. ("Silent"), Sterling, Ill.
NEWHALL, HENRY B., 90 West, New York
Prouty, T. C. Co., Ltd. (Ball Bearing), Albion, Mich.
Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York
Richards Mfg. Co. (Ball Bearing), Aurora, Ill.
Richey, Browne & Donall (Crescent), Maspeth, Borough of Queens, New York City
Stearns, E. C. & Co. (Gem, Warners, Royal, Challenge & Sterns), Syracuse, N. Y.
Stowell Mfg. & Foundry Co. ("Acme Adjustable," "Stowell"), S. Milwaukee, Wis.
Wilcox Mfg. Co. (Trolley, Roller Bearing, etc.), Aurora, Ill.

Door Hangers (Sliding or Folding)

Allith Mfg. Co. ("Reliable"), Taylor c S. 43d av, Chicago, Ill.
Dille & McGuire Mfg. Co. (McGuire Trackless), Richmond, Ind.
McCABE HANGER MFG. CO. (Ball-Bearing & Tubular), 425 W 25th, N. Y. (See adv. index, end of book)
NEWHALL, HENRY B., 90 West, New York
Pacific Tank Co. ("Pitcher" Sliding), San Francisco, Cal.
Reliance Ball Bearing Door Hanger Co. ("Reliance" Ball Bearing), 1 Madison av, New York
Richey, Browne & Donald (Crescent), Maspeth, Borough of Queens, New York city
Roof, Wm. S. (For Doors or Partitions), Franklin, O.

Door Hangers (Trolley & Track)

Myers, F. E. & Bro., Ashland, O.
NEWHALL, HENRY B., 90 West, New York
Perkl, John Iron Works (Inc.), 249 N 10th, Brooklyn, N. Y.
Prouty, T. C. Co., Ltd., Albion, Mich.
Richards Mfg. Co., Aurora, Ill.

Door Holders

(See Door Stops)

Door Knobs (Brass & Bronze)

Barrows Lock Co., Lockport, Ill.
Brass Goods Mfg. Co., Nevin & Union, Brooklyn, N. Y.
Chicago Hardware Co., North Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Norwalk Lock Co., S Norwalk, Conn.
Peck, Stow & Wilcox Mfg. Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Penn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Schroeder, J. B. & Co., 133 E 5th, Cincinnati, O.
Stover Manufacturing Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
Waterbury Button Co., Waterbury, Conn.
Yale & Towne Mfg. Co., 9 Murray, New York: Works: Stamford, Conn.

Door Knobs (Porcelain)

Brunt, W. H., East Liverpool, O.
Greenwood Pottery Co., Trenton, N. J.
Standard China Works (Warren Kimble, Prop.), Trenton, N. J.
Thomas, R. & Sons Co., East Liverpool, O.
Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

Door Knobs (Screwless)

Meriden Spring Hinge Co., Meriden, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York

Door Knobs (Wood)

Bardsley, Joseph, 149 Baxter, New York
Novelty Turning Co., Norway, Me.
Mossman, Jerome, Fitchburg, Mass.
Piqua Handle & Mfg. Co., Piqua, O.

Door Knockers (Colonial)

Elm City Brass & Rivet Co., Plainville, Conn.
GORHAM CO. ARCH'L BRONZE. 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E 17 (Union sq), New York & 163 Michigan av, Chicago, Ill. (See adv. iudex, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York

Door Numbers

(See Numbers & Letters, Metal)

Door Openers (Automatic)

Ives Mfg. Co., Detroit, Mich.
Rischmuller, G. ("Rischmuller" Door Opener & Closer), Oakland, Cal.

Door Openers (Electric)

Boston Electric Co., 29 Harrison av, Boston, Mass.
BUNNELL, J. H. & Co., Park pl., & Church, New York. (See adv. index, end of book)
Kell, Francis & Son, 667 E 163d, New York
Ostrander, W. R. & Co., 22 Dey, New York
Partrick, Carter & Wilkins, Phila., Pa.
Stanley & Patterson ("S. & P."), 23 Murray, New York
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm, Henry, 72 Frost, Brooklyn, N. Y.

Door Pulls

(See Pulls, Door)

Door Screens

(See Screens, Door & Window)

Door Stops

Arcade Mfg. Co. ("Arcade" Door Holder for Barn Doors, etc.), Freeport, Ill.
Bardsley, Joseph, 147 Baxter, New York
Bleha Patent Door Stop Co., 2117 Bismark, St. Louis, Mo.
Brohard Co. (Brohard's), 1624 N 9th, Phila., Pa.
Caldwell Mfg. Co. ("The Empire"), 8 Jones, Rochester, N. Y.
Champion Safety Lock Co. ("Champion" Floor), Geneva, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Detroit Ship Building Co. (Brass Dept.), Detroit, Mich.
General Specialty Co. ("B. & S."), 14 S 4th, Phila., Pa.
Indiana Small Handle W'ks, Fort Wayne, Ind.
Judd, Rollin D., New Britain, Conn.
King Mfg. Co., Newton, Iowa
Lane Bros. Co., Poughkeepsie, N. Y.
North Wales Machine Co. (Inc.), ("North Wales Door Holder), North Wales, Pa.
Norwalk Lock Co., South Norwalk, Conn.
Piqua Handle & Mfg. Co. (Wood, Rubber Tip), Piqua, Ohio
Pullman Mfg. Co., Rochester, N. Y.
Reading Hardware Co., Reading, Pa.
Richards Mfg. Co., Aurora, Ill.
Rixson, Oscar C. Co. ("Rixson" Floor Check), 111 Harrison, Chicago, Ill.
Russell & Erwin Mfg. Co. ("Ruswin"), New Britain, Conn., & 96 Lafayette, New York
Union Hardware Co., Torrington, Conn.
Wilcox Mfg. Co., Aurora, Ill.
Yale & Towne Mfg. Co., 9 Murray, New York

Doors (Asbestos Lumber)

(See Asbestos Building Lumber)

Doors (Ash-Pit)

Barber Mfg. Co., Ashtabula, O.
Bayley, Wm. Co., Springfield, O.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Covert, H. W. & S. S., 266 Greenwich, New York
Donaldson Bros., Mount Clemens, Mich.
Forest City Foundry & Mfg. Co., Cleveland, O.
Gehl Bros. Mfg. Co., West Bend, Wis.
Jackson, Edwin A. & Bro., 50 Beekman, New York
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
MacKINNON BOILER & MACHINE CO., Bay City, Mich. (See adv. index, end of book)
Robson, Chas. & Co. (For Bakers' Oven), 8th & Washington av, Phila., Pa.
Stowell Mfg. & Foundry Co., S Milwaukee, Wis
Swett, A. L. Iron Works, Medina, N. Y.
United States Column Co. ("Lally"), Cambridge, Mass

Doors (Bakers' Oven)

Comstock, Geo. S., Mechanicsburg, Pa.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Dutchess Tool Co., Fishkill on the Hudson, N. Y.
Mills, Thos. & Bros. Phila., Pa.
Robson, Chas. & Co. ("Vienna"). 8th & Washington av, Phila., Pa.

Doors (Balance)

Pitt Balance Door Co. ("Pitt" Balance), 186 W 24th, New York

Doors (Bronze)

(See Bronze Doors)

Doors (Car)

(See Car Doors & Fittings)

Doors (Cedar & Fir)

(See Doors, Red Cedar)

Doors (Cellar)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Lanz, M. & Sons (Steel), Carson & 29th, Pittsburg, Pa.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO. (Steel Patented), Hamilton, O. (See adv. index, end of book)
RIESECK, P. (Steel), Allegheny av & Rebecca, Pittsburg, Pa. (See adv. index, end of book)
SCHREIBER, L. & SONS CO. (Steel Patented, 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Southern Foundry Co., Owensboro, Ky.

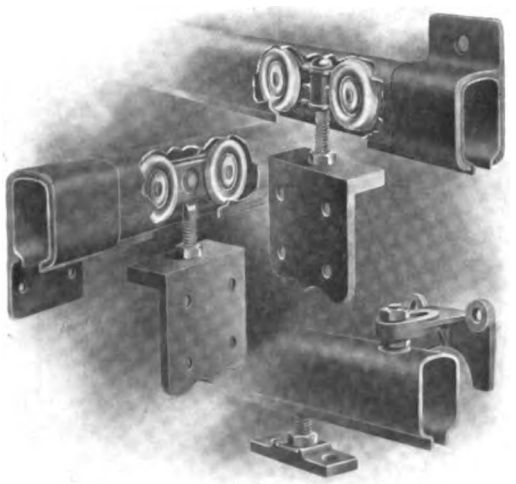
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IN HIGHLY ARTISTIC NATURAL WOOD AND METAL EFFECTS
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Hendricks' Commercial Register

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*Doors (Coal Hole)

BOLLES, J.E.IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CANTON MFG. CO., Canton, O. (See adv. index, end of book)

Doors (Coiling, Vertical)

Flexifold Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.

Doors (Cold Storage)

AMERICAN METAL DOOR CO. (Fireproof), Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO. (Fireproof), Jamestown, N. Y., & 299 B'way New York. (See adv. index & branch offices, end of book)
Gloekler, Bernard Co., Pittsburg, Pa.
Jones Cold Store Door Co., Hagerstown, Md.
PRUDEN, C. D. CO. (Fireproof), Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
STEARNS, A. T. LUMBER CO. (Air & Fire-Proof), Neponset, Boston, Mass. (See adv. index, end of book)
Stevens. Benj. A. Co., Toledo, O.
Stevenson Co. (Ltd.) (Air & Fireproof), Chester, Pa.

Doors (Copper Covered)

Blanchard, J. F. Co. ("Richardson's"), Fuller bldg, New York
Flexifold Door & Shutter Co., 10 E Worcester, Worcester, Mass.
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Pruden, C. D. Co., Warner, Bayard & Dock, Baltimore, Md.
RAPP, JNO. W. (Metal Covered). General Office & Works, College Point, New York. Sales Office, Madison av., New York. (See adv. index, end of book)
THORP FIRE PROOF DOOR CO. ("Thorp-Richardson"), 1000-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)

Doors (Copper & Bronze Covered)

(See Doors, Copper Covered)

Doors (Core Oven)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.

Doors (Cypress, Wholesale)

Lutcher & Moore Cypress Lumber Co., Lutcher, La.
Riggs Cypress Co., Patterson, La. La.
Selden Cypress Door Co., Palatka, Fla.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

Doors (Drop Fire)

Allith Mfg. Co. ("Reliable" Automatic Self-Closing), W. Taylor c S 43d av. Chicago, Ill
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W 27th, New York. Works: Richmond, Ind.

Doors (Dry Kiln)

Emerson Co. ("Emerson"), 111 N Charles, Baltimore, Md.
Morton Dry Kiln Co. ("Emerson"), Chicago, Ill.

Doors (Elevating)

AMERICAN METAL DOOR CO. (Fireproof), Jamestown, N. Y. (See adv. index end of book)
DAHLSTROM METALLIC DOOR CO. (Fireproof), Jamestown, N. Y., & 299 B'way. New York. (See adv. index & branch offices, end of book)
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W. 27th, New York. Works: Richmond, Ind.
Ritter Folding Door Co. (Horizontal Folding), Covington, Ky.

Doors (Elevator)

(See Elevator Doors, Various Kinds)

Doors (Fire Proof, Metal)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
Automatic Door & Gate Co. (Underwriters), 123 Liberty, N. Y.
Blanchard, J. F. Co. ("Richardson's"), Fuller bldg, New York
BOLLES, J.E.IRON & WIRE WORKS. Detroit, Mich. (See adv. index, end of book)
CINCINNATI WALL TIE CO., 2006 E 5th, Cincinnati, O. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York (See adv. index & branch offices, end of book)
Dowman-Doxier Mfg. Co. (Hollow Sheet Metal Panel), Atlanta, Ga.
Herrman & Grace, 671 Bergen, B'klyn, N. Y.
Howell & Lawrence (Metal Covered), 402 E 93d, New York
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Knoburn Co. (Steel Filled with Asbestos), 27 E. 22d, New York
Lupton's, David Sons Co., Allegheny av & Tulip, Philadelphia, Pa.
Pruden, C. D. Co. (Also Hollow Sheet Metal), Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
RAPP, JOHN W. CO. (Metal Covered, All kinds), General Office & Works, College Point, New York; Sales Office, 4 Madison av, New York. (See adv. index, end of book)
Ross, R. J. Mfg. Co. ("Meeker"), 692 W Lake, Chicago, Ill.
THORP FIRE PROOF DOOR CO. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn. (See av. index & branch offices, end of book)

Doors (Fire, Tin Clad)

BURTON, W. J. & CO., 161 W. Congress. Detroit, Mich. (See adv. index, end of book)
Keystone Fire Door Co. (Inc.), Pittsburg, Pa.
Machwirth Bros. Co., 201 Oak, Buffalo, N. Y.
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
RAPP, JOHN W. CO. (Underwriters' Standard Tin Covered), Gen'l Office & W'ks, College Point, N. Y. City, Sales Offices, 4 Madison av. New York. (See adv. index, end of book)
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W. 27th, New York. Works: Richmond, Ind.
Ross, R. J. Mfg. Co. ("Meeker"), 692 W Lake, Chicago, Ill.
Underwriters Hatch Door Co., Chicago, Ill.
VALLEY CORNICE & SLATE CO., Ltd., 314-318 N Hamilton, Saginaw, W S, Mich. (See adv. index, end of book)

Doors (Folding)

KINNEAR MFG. CO., Columbus, O. (See adv. index, end of book)
Ritter Folding Door Co. ("Ritter," Horizontal, Steel or Wooden, for Railroads, Warehouses, etc.), Covington, Ky.
Variety Mfg. Co. ("Cross." Horisontal for Freighthouses, etc.). Sacramento & Carroll av., Chicago, Ill.

Doors (Hard Wood & Veneered)

Alcott-Ross Co., 2917 N Broad, Phila., Pa.
American Compound Door Co., 21st & Morgan, Chicago, Ill., & 5th av, New York
Anson-Hixson Sash & Door Co. (For the Trade Only), Merrill, Wis.
Armstrong-Landon Co., Kokomo, Ind.
Batavia & New York Wood Working Co., Batavia, N. Y., & Fuller bldg, New York
Bossert, Louis & Son, Grand st & Newtown Creek, Brooklyn, N. Y.
Burton, Wm. H. Co., Centre, Colonie & N Lansing, Albany, N. Y.
Bush Bros., Royersford, Pa.
Caldwell & Iseminger, Middletown, O.
Carl, John H., 510 1st av, New York
Chicago Veneered Door Co., 316 Chamber of Commerce, Chicago, Ill.
Compound Door Co., St. Joseph's, Mich.
Conway Veneered Door & Mantel Co., St. Paul av & 20th, Milwaukee, Wis.
Crampton & Belden Mfg. Co. (Wholesale Mfrs.), Crampton & Belden Mfg. Co. (Wholesale Mfrs.), Green Island, N. Y.
Cream City Sash & Door Co. (For the Trade Only), Milwaukee, Wis.
Currier, E. Bradley Co., 119 W 23d, New York
Curtis Bros. & Co. (For the Trade Only, Wholesale Mfrs.), Clinton, Ia.
Curtis & Bartlett Co. (For the Trade Only, Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Davis, E. J. Mfg. Co., 9 Jackson boul. Chicago, Ill.
Disbrow, M. A. & Co. (Wholesale Mfrs.), Lyons, Iowa
Eldridge, E. H. Lumber Co., Indianapolis, Ind.
Enterprise Planing Mill Co., Hillsboro, Ohio
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Foster-Munger Co. (For the Trade Only), W 20th & Sangamon, Chicago, Ill.
Fuller & Rice Lumber & Mfg. Co. (For the trade only), Grand Rapids, Mich.
Gauger, John A. & Co. (For the Trade Only), W 22d & Laflin, Chicago, Ill.
Gilmour, David, Door Co., 579 Tonawanda, Buffalo, N. Y.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Gray Bros. Mfg. Co., Muskegon, Mich.
Hafner Mfg. Co. (Wholesale Mfrs.), Main c Dock, St. Louis, Mo.
Huebner Mfg. Co., Mount, Elliott av & M. C. R. R., Detroit, Mich.
Huttig Mfg. Co., Muscatine, Iowa
Huttig-Moss Mfg. Co., St. Joseph, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Ironton Wood Mantel Co. (Wholesale Mfrs.), Ironton, O.
I. X. L. & Goshen Pump Co., Goshen, Ind.
Jamestown Mantel Co., Falconer, N. Y.
Kalamazoo Interior Finish Co., Kalamazoo, Mich.
Kertscher & Co., Elmira, N. Y., & 13 Lawrence, New York
Lamont, Matthew (Wholesale Mfrs.), Bay City, Mich.
Lord, P. A. Lumber Co. (For Dealers & Contractors), La Grange, Ill.
Lortz & Frey Planing Mill Co., 420 E Breckenridge, Louisville, Ky.
Lutcher & Moore Cypress Lumber Co. (Wholesale Mfrs.), Lutcher, La.
McClelland, T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McConnell Mfg. Co., Hornellsville, N. Y., & 160 5th av, New York
McMillen, R. Co. (For the Trade Only), Oshkosh, Wis.
Madisonville Lumber Co. ("Korelock"). Station M, Cincinnati, O.
Mahogany Interior Trim Co., Indianapolis, Ind.
Mechanics Planing Mill Co., 3746 B'way, St. Louis, Mo.
Miller, Wm. & Sons, 534 Federal, Pittsburg, Pa. Mills, Rochester, Pa.
Montgomery Bros. & Co., Buffalo, N. Y.
Morgan Co. (For the Trade Only), Oshkosh, Wis., & W 22d & S Union, Chicago, Ill.
Mulliner Box & Planing Co., Quincy, Ill.
Nesbit, D. M. Co. (Wholesale Mfrs.), Lewisburg, Pa.
Ocker & Ford Mfg. Co., Grand Rapids, Mich.
Paine Lumber Co. (For the Trade Only). Oshkosh, Wis., & 1 Madison av, New York
Pitt Balance Door Co. ("Pitt" Balance), 136 W 24th, New York
Radford Sash & Door Co. (For the Trade Only), 190 W 22d, Chicago, Ill.
Redwood Mfg. Co. (Redwood Oregon Pine), Oakland, Cal.
Rice & Giffin Mfg. Co., Sargent, c Gold, Worcester, Mass.
Rikerd Lumber Co. (Wholesale Mfrs.), Lansing, Mich.
Ripley Lumber Co., Poultney, Vt.
Roach & Musser Sash & Door Co. (Wholesale Mfrs.), Muscatine, Ia.
Roberson, A. & Son, Binghamton, N. Y.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockwell Mfg. Co. (for the trade only), Milwaukee, Wis.
Rogers, D. M. & Co., New Britain, Conn.
Schaller-Hoehrr Co., 416 Blue Island av, Chicago, Ill.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Struck, Alfred Co., Louisville, Ky.
Taylor, Henry Lumber Co., Lafayette, Ind.
Travis-Carter Co., Seymour, Ind.
Trebing Mfg. Co., 45 Centre, Cleveland, O.
Tuttle & Burritt (Mfrs.), Lapeer, Mich.
Van Leer Bros., Brookville, Pa.
Williamsport Planing Mill Co., Williamsport, Pa.
Wollaeger Mfg. Co., Milwaukee, Wis.
Woodbury Mill & Lumber Co., Woodbury, N. J.

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*Doors (Illuminating Vault & Sidewalk)

CANTON MFG. CO., Canton, O. (See adv. index, end of book)

Doors (Iron & Glass)

Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
PITT, WM. R. COMPOSITE IRON Works (Vestibule & Storm), 136-138 W. 24th, New York. (See adv. index, end of book)

Doors (Kalameined)

(See Doors & Windows, Kalameined)

Doors (Metal Covered Entrance)

Blanchard, J. F. Co. ("Richardson's"), Fuller bldg, New York
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Enuphyll Bronze Co. (Bronze Covered), 282 E 134th, New York
Feldman & Sommer, San Francisco, Cal.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Howell & Lawrence, 1788 1st av, New York
Knoburn Co., 27 E. 22d, New York.
Lupton's, David Sons Co., Allegheny av & Tulip, Philadelphia, Pa.
Manhattan Fireproof Door Co., 412 E. 125th, New York
Nichols, Fred, Oakland, Cal.
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
RAPP, JOHN W. CO. (Bronze & Copper Covered), General Office & Works, College Point, New York; Sales Offices, 4 Madison av, New York. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
THORP FIRE PROOF DOOR CO. (Copper & Bronze "Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

*Doors (Metallic, Hollow)

AMERICAN METAL DOOR CO. ("Ajobring" High Grade Fire Proof with Incombustible Filling), Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO. (High Grade Fire Proof, with Incombustible Filling), Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, (Hollow, Metal), 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Doors (Mine)

American Mine Door Co., Canton, O.
Hardsorg, Martin Co. ("Champion" or "Terre Haute" Automatic), Allegheny, Pa.

Doors (Open Hearth Furnace)

Grove, Jno. W. Co. ("Knox," Cast Iron or Pressed Steel), Farmers' Bank bldg, Pittsburg, Pa.
Keystone Bronze Co. ("Knox" Patent Copper), 38th & A. V. Ry., Pittsburg, Pa.

Doors (Oven)

(See Doors, Bake Oven)

Doors (Red Cedar, Wholesale)

Redwood Mfg. Co., Oakland, Cal.
Whatcom Falls Mill Co., Whatcom, Wash.
Wheeler, Osgood Co., Tacoma, Wash.

Doors (Revolving)

AMERICAN REVOLVING DOOR CO., 120 N May, Chicago, Ill. (See adv. index, end of book)
Atchison Revolving Door Co., Atchison, Kan.
Van Kannell Revolving Door Co., Home Office, 524 E 134th, New York

Doors (Revolving Fireproof)

AMERICAN REVOLVING DOOR CO., 120 N May, Chicago, Ill. (See adv. on following page)
Van Kannell Revolving Door Co., Home Office, 521 E 134th, New York

*Doors (Round House)

WILSON, JAS. G. MFG. CO. (Wood), Chief Office, 3 W 29th, New York. Mills & Factory, Norfolk, Va. (See adv. index, end of book)

Doors, Sashes & Blinds

(See Sashes, Doors & Blinds)

*Doors (Screen)

(See also Screens, Window & Door)
BURROWES, E. T. CO., THE, Portland, Me. (See adv. index & branch offices, end of book)

*Doors (Sidewalk, Flush Hinge & Handle)

COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)

Doors (Steel Rolling)

(See Shutters, Steel Rolling)

*Doors (Trap)

CHICAGO SIDEWALK LIGHT CO., 105 Reaper blk., Chicago, Ill. (See adv. index, end of book)

*Doors (Winding & Sliding)

AMERICAN METAL DOOR CO. (Metal), Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO. (Metal), Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
THORP FIRE PROOF DOOR CO. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn. (See adv. index and branch offices, end of book)
WILSON, JAS. G. MFG. CO. (Swing for Freight Sheds & Warehouses), Chief Office, 3 W 29th, New York. Mills & Factory: Norfolk, Va. (See adv. index, end of book)

Doors (Wood Rolling)

(See Shutters, Wood Rolling)

Doors & Shutters (Fireproof)

(See also Shutters, Steel, Etc.)

BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end of book)
Canton Art Metal Co., Canton, O.
Champion Fire Proof Door Co. ("Champion F. P. Door"), 275 Rider av, New York
CHAMPION IRON CO. (Steel), Kenton, O. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
HANKE IRON & WIRE WORKS (Iron), 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Keystone Fire Door Co. (Inc.), Park bldg, Pittsburg, Pa.
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Knoburn Co., 27 E. 22d, New York
LANDON, E. R. IRON & WIRE WORKS (Iron), 18 N May, Chicago, Ill. (See adv. index, end of book)
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Mesker & Bro., 423 S. 6th, St. Louis, Mo.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
National Fireproof Door & Shutter Co., 270 Moore, Brooklyn, N. Y.
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)

When writing to firms whose names appear in this book please mention
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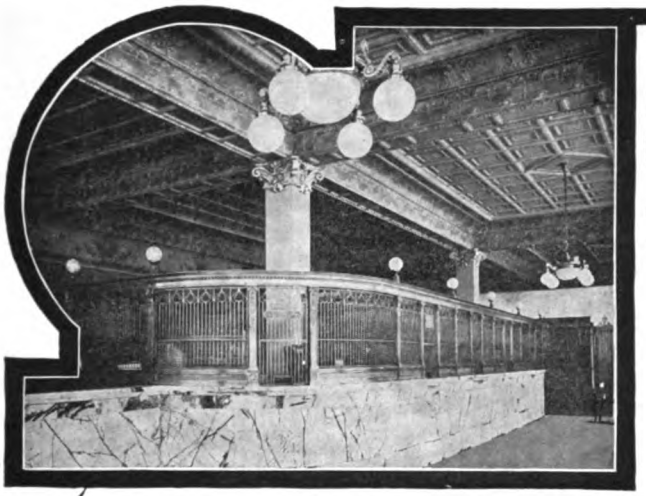
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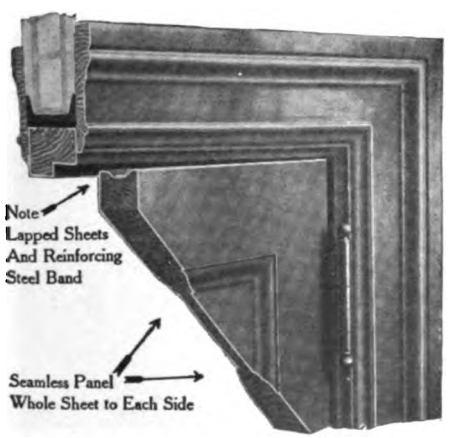
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The Jas. A. Farley Apartment House,	55th Street and Madison Avenue, N. Y.
The Hispanic Society Museum,	155th Street, West of Broadway, N. Y.
The Security Building,	Bridgeport, Conn.
The New Lyric Theatre Building,	Cincinnati, O.
The R. A. Long Building,	Kansas City, Mo.
The Luning Building,	San Francisco, Cal.
The Alex. Boyd Building,	San Francisco, Cal.
Bank of Italy,	San Francisco, Cal.
The Royal Insurance Building,	Los Angeles, Cal.
The Pacific Mutual Life Insurance Building,	Los Angeles, Cal.
The Oakland Bank of Savings,	Oakland, Cal.
Wells, Fargo & Co., Express Building,	Portland, Ore.

CONDENSED CATALOGUE IN "SWEETS" INDEX

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DAHLSTROM METALLIC DOOR COMPANY

JAMESTOWN, N. Y.

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Pritchard, E. M. & Son Co., E 138th & Mott av, New York

RAPP, JOHN W. CO. (Metal Covered), General Office & Works, College Point, New York; Sales Office, 4 Madison av, New York. (See adv. index, end of book)

Richmond Safety Gate Co. (Kyrle S. Evans Agt.), 31 W 27th, New York; Works, Richmond, Ind.

RIESECK, P. (Steel), Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)

ROLLING STEEL SHUTTER WORKS (John McLean), 162 W 27th, New York. (See adv. index, end of book)

Ross, R. J. Mfg. Co. ("Meeker"), 692 W Lake, Chicago, Ill.

Scholes Bros., 1241 Rebecca, Allegheny, Pa.

SCHREIBER, L. & SONS Co., 8th & Fergleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)

SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)

STEARNS, A. T. LUMBER CO., Neponset, Mass., & 166 Devonshire, Boston, Mass. (See adv. index, end of book)

THORP FIRE PROOF DOOR CO., 1600-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)

VALLEY CORNICE & SLATE CO., Ltd., 314-318 N Hamilton, Saginaw, W. S., Mich. (See adv. index, end of book)

VAN DORN IRON WORKS CO., 2685 W. 79th, Cleveland, O. (See adv. index, end of book)

Victor Mfg. Co., Newburyport, Mass.

WILSON, JAS. G. MFG. CO. (Steel Rolling), Chief Office, 3 W 29th, New York; Mills & Factory, Norfolk, Va. (See adv. index, end of book)

Doors & Shutters (Fire-Proof, Steel Rolling)

(See Shutters, Steel Rolling)

Doors & Windows ("Kirnsey")

Kirnsey Company, 34 S 16th, Phila., Pa.

Doors & Windows (Kalameined)

Brooklyn Fire-Proof Sash & Door Co., 97 Richardson, Brooklyn, N. Y.

Herrmann & Grace, 671 Bergen, Brooklyn, N. Y.

Howell & Lawrence, 1788 1st av, New York

KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Leonard Sheet Metal Works (Inc.), 219 Grand, Hoboken, N. J.

National Fire Proof Sash & Door Co., 270 Moore, Brooklyn, N. Y.

PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)

RAPP, JOHN W. CO. (Also Interior, Trim.), Genl. Office & Wks., College Point, N. Y. Sales Office, 4 Madison av, New York (See adv. index, end of book

THORP FIRE PROOF DOOR CO., ("Thorp-Richardson," Kalameined Doors) 1600-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)

Westergen, W. F. (Inc.), 213 E 144th, New York

Dough Dividers

American Oven & Machine Co., 40 Dearborn, Chicago, Ill.

Champion Machinery Co., Joliet, Ill.

Dutchess Tool Co. ("Van Houten"), Fishkill on the Hudson, N. Y.

Hicks, Geo. J. (Inc.), 103 Chambers, New York

Kratzinger, Edw. Co. (Ekco"), 11 S Peoria, Chicago, Ill.

Triumph Mfg. Co., Cincinnati, O.

WERNES & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Zoeller, Wm., 81 N Curtis, Chicago, Ill.

Dovetails (Stove)

Burdick & Son, Albany, N. Y.

Dowel Rods

Connecticut Box Co., New Haven, Conn., 30 Church, New York

Estes, E. B. & Sons, 74 Warren, New York

Harris & Cole Bros. (Poplar, Oak & Yellow Pine), Cedar Falls, Ia., & Columbia, Tenn.

Hyde-Murphy Co., Ridgway, Pa.

Kuntz, Jacob E. South Bend, Ind.

Phillips, A. J. Co., Fenton, Mich.

Rowe, Henry Mfg. Co., Newaygo, Mich.

Southern Spool & Bobbin Co., Greensboro, N. C.

Sturm, Adolph Co., 51 W Washington, Chicago, Ill.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.



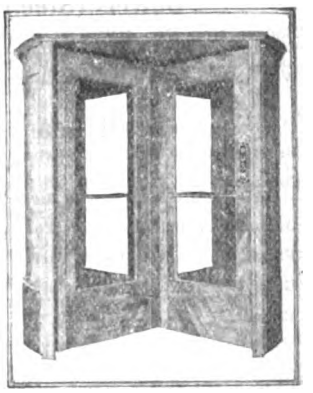
AMERICAN REVOLVING DOOR CO.

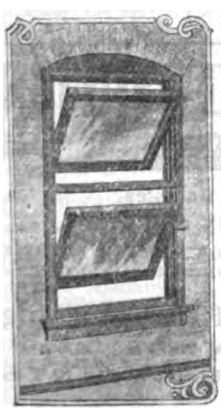
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AUTOMATICALLY COLLAPSIBLE "SAFETY" REVOLVING DOORS; ALSO FIXTURES FOR PIVOTED AND SWINGING





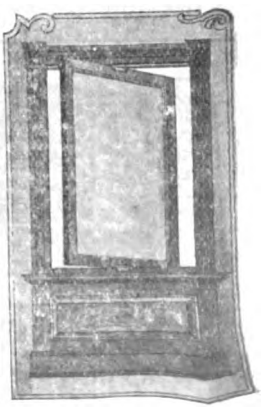


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FRENCH WINDOWS and TRANSOM BAR FACTORY SASH

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PATTERN MAKERS' STANDARD BRASS ROUND PLATE DOWELS

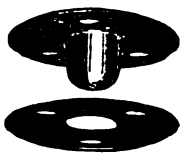
No Mortising Out Required, just use a Bit. The three screws allow them to be more Firmly Fastened

Also **STANDARD BRASS DOWEL PINS** with either smooth or grooved sides.

My Prices are the Lowest on the Market.

Will also make to order Brass Dowels for Furniture Manufacturers. Prices quoted on submission of sample.

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Dowels

Beskin Mfg. Co. (Brass, Iron & Wood), Canton, Ohio
Ellsworth Hardware Co. (Rope, Reed & Plain), Ellsworth, Me.
Harriman, S. H., Fryeberg, Me.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lobdell & Churchill Mfg. Co., Onaway, Mich.
MORSE, FRANK W. (Brass), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Nashua Spool & Bobbin Co. (All Sizes), Journal bldg, Boston, Mass.
Smith, H. B. & Co., Hanover, Me.

Dowels (Patternmakers')

Beskin Mfg. Co. (Brass), Canton, O.
Cleveland Fillet Co. (Wood & Metal), Cleveland, O.
Diamond Clamp & Flask Co., Richmond, Ind.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
MORSE, FRANK W., 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Shanafelt Mfg. Co. (Brass & Hardwood), Canton, O.
Timmis & Clissold (Brass), Boundbrook, N. J.

Dowels (Steel)

Badger Nail Co., Milwaukee, Wis.
Chicago Nut Co., 166 S Clinton, Chicago, Ill.
Lane, M. & Sons, 101 S 29th, Pittsburg, Pa.
Wire Goods Co. (Hand Rail Screw Thread), Worcester, Mass.

Draft Gear

Bradford Draft Gear Co., Monadnock blk, Chicago, Ill.
Commonwealth Steel Co., ("Transom," Cust Steel Draft Rigging), St. Louis, Mo. Works: Granite City, Ill.
Dayton Malleable Iron Co. (For Steel & Wooden Cars), Dayton, O.
Farlow Draft Gear Co. ("Farlow"), Baltimore, Md.
Gould Coupler Co. ("Gould" Friction), 347 5th av, New York
McCord & Co. ("McCord"), Old Colony bldg., Chicago, Ill.
Miner, W. H., Co. ("Miner" Draft Rigging), Rookery bldg, Chicago, Ill.
National Car Coupler Co. ("Hinson"), Monadnock blk, Chicago, Ill. Works, Attica, Ind.
Simplex Railway Appliance Co. ("Corning"), Commercial Nat'l B'k bldg, Chicago, Ill.; Works: Hammond, Ind.
Standard Coupler Co. ("Sessions-Standard" Friction), 2 Rector, New York; Works: Bridgeport, Conn.
Union Draft Gear Co. ("Cardwell" Friction), Chicago, Ill.
WESTINGHOUSE AIR BRAKE CO., The (Friction), Pittsburg, Pa.

Draft Inducer

Brown Specialty Machinery Co. ("Gadey"), Jackson boul & Clinton, Chicago, Ill.

Draft (Mechanical)

(See Mechanical Draft)

Draftsmen (Mechanical)

Gaylord, Chas. E. (Patent Office Drawings a Specialty), Monadnock blk, Chicago, Ill.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
White & White (Patent Office Drawings a Specialty), Monadnock blk, Chicago, Ill.

Drainage Excavators

(See Ditching Machines; also Sewer & Trench Excavating Machines)

Drainage Systems

Baggot, E. Co. ("Durham"), 45 E Lake, Chicago, Ill.
Waring, Chapman & Farquhar ("Waring"), 874 B'way, New York

Draughting Inks

Carter's Ink Co., 164 Columbus av, Boston, Mass.
Dietzgen Eugene Co., 181 Monroe, Chicago, Ill.
ELLIOTT, B. K. CO., 108 6th, Pittsburg, Pa. (See adv. index, end of book)
Favor, Ruhl & Co. (Gunther Wagner's ("Pelican"), New York
Higgins, Chas. M., 271 9th, Brooklyn, N. Y.
Keuffel & Esser Co., 127 Fulton, New York
KOLESCH & CO., 138 Fulton, New York. (See adv. index, end of book)
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
SOLTMANN, E. G. ("Prin-To-Paque" Inks, Black, White & Colors' Specially Adapted for Tracings to Be Blue Printed Where All Colors Shall Print Equal to Black), 125 E 42d, New York. (See adv. index, end of book)
Taylor Bros. ("Opake" Quick Drying Water Proof, for Tracing Cloths), 82 Superior, Cleveland, O.
WEBER, F. & CO. (Black & Colored), 1125 Chestnut, Phila., Pa. (See adv. index & branch offices, end of book)
Williams, Brown & Earle, 918 Chestnut, Philadelphia, Pa.

Draw-Bar Attachment

Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Butler Draw-Bar Attachment Co., Cleveland, O.
Dayton Malleable Iron Co., Dayton, O.
Miner, W. H., The Rookery, Chicago, Ill.
Van Dorn, W. T. Co. (Electric Railway), 1076 S Paulina, Chicago, Ill.
Wilmington Malleable Iron Co., Taylor & Locust, Wilmington, Del.

Draw Bridge Equipments (Electric)

Nichols, Geo. P. & Bro., Old Colony bldg, Chicago, Ill.

Draw Bridge Machinery

(See Machinery, Draw Bridge)

*Draw Hooks (Laundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Drawer Slides

Grant Pulley & Hardware Co. ("Turner"), 3 W 29th, New York
Reliance Ball Bearing Door Hanger Co. ("Reliance," Ball Bearing), 1 Madison av, New York

Drawing Materials

(See also Architects' & Engineers' Instruments & Supplies; also Blue Prints)
Beckman, L. Co., Toledo, O.
ELLIOTT, B. K. CO., 108 6th av, Pittsburg, Pa. (See adv. index, end of book)
HARDTMUTH, L. & C., 34 E 23d, New York. (See adv. index, end of book)
Indianapolis Blue Print & Supply Co., Indianapolis, Ind.
Keuffel & Esser Co., 127 Fulton, New York.
Keystone Blue Paper Co., 910 Filbert, Philadelphia, Pa.
KOLESCH & CO., 138 Fulton, New York. (See adv. index, end of book)
Kopp, Geo. L., & Co., 704 Smithfield, Pittsburg, Pa.
Lietz Co., San Francisco, Cal.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)



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RUCKERT, LOUIS, Merchants' Laclede bldg, St. Louis, Mo. (See adv. index, end of book)
Schwencke, Kirk & Co., 227 Fulton, New York

SOLTMANN.E.G.
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. on preceding page)
Technical Supply Co., Scranton, Pa.
Wadsworth, Howland & Co. (Inc), 84 Washington, Boston, Mass
WEBER, F. & CO., 1125 Chestnut, Phila., Pa. (See adv. index & branch offices, end of book)
U. S. Blue Print Paper Co., 263 La Salle, Chicago, Ill.

Drawing Paper
(See Paper, Detail)

Drawing Tables
American Drafting Furniture Co., 9 Railroad, Rochester, N. Y.
Century Mfg. Co. (Steel Adjustable), Columbus, O.)
Dietzgen Eugene Co., 181 Monroe, Chicago, Ill.
Economy Drawing Table Co., Toledo, O.
Frits & Goeldel Mfg. Co. ("Fry's Adjustable"), 95 Alabama, Grand Rapids, Mich.
Hemp, C. E., Hamilton, O.
Hetterschied Mfg. Co. ("20th Century" Adjustable), Grand Rapids, Mich.
Keuffel & Esser Co., 127 Fulton, New York
Kidder, R. E., 2 Hermon, Worcester, Mass.
KOLESCH & CO., 138 Fulton, New York. (See adv. index, end of book)
Peterson, Leonard & Co., 51 Institute pl, Chicago, Ill.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Rich, J. & G. (Combination Drawing Outfit), 122 N 6th, Philadelphia, Pa.

SOLTMANN.E.G.
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. on preceding page)
Taws, Henry M. ("Emerson's"), 920 Arch, Philadelphia, Pa.
Washburn Shops of the Polytechnic Institute, Worcester, Mass.
WEBER, F. & CO., 1125 Chestnut, Phila., Pa. (See adv. index & branch offices, end of book)
Williams, Brown & Earle ("Ajax" Telescopic), 918 Chestnut, Philadelphia, Pa.

Drays (Heavy Truck)
(See Wagons, Freight Teaming, etc.)

*Dredges (Elevator)
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Dredges (Gold & Placer Mining)
ALLIS-CHALMERS CO. ("Christian"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bucyrus Co., South Milwaukee, Wis.
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Hammond Mfg. Co., 100 1st, Portland, Oregon
Idanha Machine Co., 17 Battery pl, New York
Keogh Mfg. Co., San Francisco, Cal.
Link Belt Co., W 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
Marion Steam Shovel Co., Marion, O.
New York Engineering Co., 2 Rector, New
Ohio Steam Shovel Co., Toledo, O. York
Power & Mining Machinery Co., Cudahy, Wis.
Risdon Iron & Locomotive Works ("Postlethwaite"), San Francisco, Cal.
Thew Automatic Shovel Co., Lorain, O.
Union Iron Works Co., San Francisco, Cal.
United Iron Works (Beach Sand Dredges), Oakland, Cal.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Western Engineering & Construction Co. ("Hull," Consulting Engineers & Constructors), Monadnock bldg, San Francisco, Cal.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)
Willamette Iron & Steel Works, Portland, Ore.
Yeatman, Jno. A. & Co. (Beach Sand Dredges), 31 1st, San Francisco, Cal.

Dredges (Hydraulic)
(See Dredging Machinery, Hydraulic)

*Dredges (Second-Hand)
SHAW, WILLIS CO., N. Y. Life bldg, Chicago, Ill. (See adv. index, end of book)

Dredging Engine Builders
(See Engines, Dredging)

Dredging Machinery
(See Machinery)

Dressers (Bibb Seat)
BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Johnson Wm. (Hedenberg Works), Newark, N. J.
Wolverine Brass Works ("Universal"), Grand Rapids, Mich.

Dressers (Emery Wheel)
(See Emery Wheel Dressers)

Dressing (Belt)
(See Belt Dressing)

Dressing (Carriage Top, Etc.)
East Mfg. Co. ("Peerless," also Easy Lining Restorer), Buffalo, N. Y.

Dressing (Commutator)
(See Compounds, Commutator)

Dressing (Harness)
Hollingshead, R. M., Co. ("Hollingshead" Liquid), Camden, N. J.

Dressing (Rope)
American Specialty Mfg. Co., Erie R. R. & E 37th, S. E., Cleveland, O.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end
Dodge Mfg. Co., Mishawaka, Ind. of book)
Nason, E. N. & Co. (Wire Rope), 117 Market, San Francisco, Cal.
Wolf, Norbert & Son ("Wolff"), 470 Greenwich, New York
Zurn, O. F. Co. ("Ropoleum"), Broad & Lehigh, Phila., Pa.

Drill Presses
(See also Drills, Various Kinds)
Allen, Chas. G., Co. ("Allen" Plain Bearing), Barre, Mass.
Aurora Tool Works, Aurora, Ind.
Barnes, B. F. Co., Rockford, Ill.
Barnes Drill Co., Rockford, Ill.
Carroll-Jamieson Machine Tool Co., Batavia, O.
CHICAGO FLEXIBLE SHAFT CO. (Flexible Shaft), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Clough, R. M., Tolland, Conn.
COATES CLIPPER MFG. CO. ("Coates" Flexible Shaft), Worcester, Mass. (See adv. index, end of book)
Fleming, G. W., Co. (Light), Bradford, Pa.
Foote-Burt Co. (High Duty), Cleveland, O.
Gem Mfg. Co. ("Gem," Portable Screw Feed), Pittsburg, Pa.
Gould & Eberhardt, 65 N. J. R. R. av, Newark, N. J.
Henry & Wright Mfg. Co., 133 Sheldon, Hartford, Conn.
Hoefer Mfg. Co., Freeport, Ill.
Knight, W. B. Machinery Co. ("Knight"), 2109 Lucas av, St. Louis, Mo.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
National Machine Co. ("W. & R.," Sensitive, etc., 1 to 10 Spindles), Hartford, Conn.
National Separator & Machine Co. (Cylinder Turret), Concord, N. H.
Reed, Francis Co. (1 to 4 Spindles, Capacity ½ to 5-8 inch), Worcester, Mass.
Rich, Geo. R. Mfg. Co. ("Rich" Arch Bar), Buchanan, Mich.
Rockford Machine & Shuttle Co., Rockford, Ill.
Sigourney Tool Co., Hartford, Conn.
Sloan & Chace Mfg. Co. (Ltd.) (Bench), Newark, N. J.
Stow Mfg. Co., Binghamton, N. Y.
Taylor & Fenn Co. (Four Spindle Simultaneous Feed), Hartford, Conn.
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Drill Speeders
Graham Mfg. Co. ("Graham"), Providence, R. I.

Drill & Vise Combined
Adams, A. L., Cedar Rapids, Iowa
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Strange, E. W. & Co., Taunton, Mass.

Drilling Attachments (Automatic)
Fifield Bros. (For Use on Bit Brace), Augusta, Me.
Millers Falls Co. ("Graves," Automatic), 28 Warren, New York; Works: Millers Falls, Mass.

Drills (Artesian Well)
(See Well Drilling Machinery in Letter M)

Drills (Automatic)
Baush Machine Tool Co., Springfield, Mass.
Garvin Machine Co., 143 Varick, New York
Goodell-Pratt Co., Greenfield, Mass.
Hoefer Mfg. Co., Freeport, Ill.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
San Francisco Iron Works, 223 Folsom, San Francisco, Cal.
Wiley & Russell Mfg. Co., Greenfield, Mass.

Drills (Beet Planting)
Allen, S. L. & Co., Phila., Pa.
American Seeding Machine Co., Main Office, Springfield, O.
Bacon Mfg. Co., Pontine, Mich.
Bateman Mfg. Co., Greenloch, N. J.
Fetzer & Co., Springfield, Ill.
Gale Mfg. Co., Albion, Mich.
Parlin & Orendorff Co., Canton, Ill.
Wayne Works, Richmond, Ind.

Drills (Bench)
Allen Machine Co., Cleveland, O.
Barnes, B. F. Co., Rockford, Ill.
Barnes Drill Co., Rockford, Ill.
Barnes, W. F. & Jno. Co., Rockford, Ill.
Blissfield Motor Works ("Davenport"), Blissfield, Mich.
Boynton & Plummer (Upright), Worcester, Mass.
Clark, Jas., Jr., Electric Co. (Sensitive "Willey," Electrically Driven), 313 W Main, Louisville, Ky.
Gardam, Wm. & Son (Inc.) (Sensitive Type), 221 Fulton, New York
Garvin Machine Co., 143 Varick, New York
Goodell-Pratt Co. (Hand & Power), Greenfield, Mass.
Gowanda Agricultural Works (For Cutlery Factories), Gowanda, N. Y.
Hoefer Mfg. Co., Freeport, Ill.
Miami Valley Machine Tool Co. ("Patterson" Friction Disc Driven, 10-inch Sensitive), Dayton, O.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Oliver, W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Reed, Francis Co., Worcester, Mass.
St. Louis Machine Tool Co., St. Louis, Mo.
Sigourney Tool Co., Hartford, Conn.
Silver Mfg. Co., Salem, O.
Smurr & Kamen Machine Co. ("Champion"), 97 S Clinton, Chicago, Ill.
Stearns, E. C. & Co., Syracuse, N. Y.
STRONG, CARLISLE & HAMMOND Co. (The Ideal), Cleveland, Ohio. (See adv. index, end of book)
Tschudi-McBarron Machine Co. ("Excelsior," Sensitive), Dayton, O.

Drills (Bit Stock)
Cincinnati Tool Co., Norwood, Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)

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Detroit Twist Drill Co., Detroit, Mich.
Lincoln-Williams Twist Drill Co. (For Metal or Wood), Taunton, Mass.
Mayhew, H. H. Co., Shelburne Falls, Mass.
MORSE TWIST DRILL & MACHINE Co. (For Metal or Wood), New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co. (Twist), Taunton, Mass.
Standard Tool Co., Central av & P. R'y, Cleveland, Ohio
Syracuse Twist Drill Co., Syracuse, N. Y.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Blacksmiths')

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Boynton & Plummer, Worcester, Mass.
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self-Feed), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati Tool Co., Norwood, Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Foos Mfg. Co., Springfield, O.
High Speed Drill Co. ("Collis"), Dubuque, Ia.
Illinois Iron & Bolt Co. (Horizontal & Upright), Carpentersville, Ill.
Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Twist), Taunton, Mass.
Niles-Bement-Pond Co., 111 B'way, New York
Noyes, B. B. & Co. ("Little Giant"), Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co., Hartford, Conn.
Reed, Francis Co. (Upright & Post), Worcester, Mass.
Russ, A. E. Mfg. Co., 6813 Wade Park av, Silver Mfg. Co., Salem, O. N E. Cleveland, O.
Southern Skein & Foundry Co. (Horizontal), Chattanooga, Tenn.
Standard Tool Co., Cleveland, O.
Star Forge Co. ("Star" Ball Bearing Post), Buffalo, N. Y.
Swett, A. L. Iron Works (Steel Spindle, etc.), Medina, N. Y
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Green River" Ball Bearing Swing Table Automatic Feed), Greenfield, Mass.

Drills (Boilermakers')

Aurora Tool Works, Aurora, Ind.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Ingersoll-Rand Co., 11 B'way, New York.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Silver Mfg. Co., Salem, O. Phila., Pa.

Drills (Boiler Shell)

American Tool Works Co., Cincinnati, O.
DALLETT, THOS. H. CO. (Electric Duplex), 2300 York, Phila., Pa. (See adv. index, end of book)
Detrick & Harvey Machine Co., Baltimore, Md.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Drills (Brace & Chain Combined)

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.

*Drills (Bracket)

STRONG, CARLISLE & HAMMOND Co. ("The Berlin"), Cleveland, O. (See adv. index, end of book)

Drills (Breast)

Boynton & Plummer (Combined Breast & Upright), Worcester, Mass.
CHICAGO FLEXIBLE SHAFT CO. (Flexible Shaft), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Clark, Jas., Jr., Electric Co. (Electrically Driven), 818 W Main, Louisville, Ky.
COATES CLIPPER M F G. C O. ("Coates" Housed Geared Flexible Shaft), Worcester, Mass. (See adv. index, end of book)
Fray, Jno. S. & Co., Bridgeport, Conn.
Gem Mfg. Co. ("Gem"), Pittsburg, Pa.
Goodell-Pratt Co., Greenfield, Mass.
Millers Falls Co. (Ball Bearing), 28 Warren, New York; Works: Millers Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Stow Flexible Shaft Co., N 26th & Callowhill, Philadelphia, Pa.
Stow Mfg. Co., Binghamton, N. Y.
Turner & Deegan, Bristol, Conn.
Willey Machine Co. ("Willey" Portable Electric), Jeffersonville, Ind.

Drills (Brick & Stone)

(See Drills, Hammer, Brick & Stone)

Drills (Center)

Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Twist), Taunton, Mass.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Chain)

Goodell-Pratt Co. ("Giant" Automatic and Ratchet), Greenfield, Mass
Grabler Mfg. Co. ("Wonder" & "Grabler" Self-Feeding), Cleveland, O.
Millers Falls Co. ("Millers Falls"), 28 Warren, New York; Works: Millers Falls, Mass.

Drills (Clamp)

Boynton & Plummer (New Swivel Self-Feeding), Worcester, Mass.
Jackson Patent Shell Roll Co. (Universal), Pawtucket, R. I.
Reed, Francis Co. (4 Sizes), Worcester, Mass.
Stow Flexible Shaft Co., N 26th & Callowhill, Philadelphia, Pa.
Tecktonius, E. C. Mfg. Co., Racine, Wis.

Drills (Coal Prospecting)

(See Drills, Prospecting)

Drills (Coal & Rock)

(See also Machines, Coal Cutting)

American Diamond Rock Drill Co., 90 West, New York
Beall Bros. (Inc.) (Coal Drills), Alton, Ill.
Beaver Falls Mfg. Co. (Hand, Auger Type), Beaver Falls, Pa.
Bittenbender, Geo. H., Plymouth, Pa.
Buckeye Tool Co. (Coal Only), Leetonia, O.
Cyclone Machine Co. (Hand Only), Pittston, Pa.
Kagan, Jas. (Hand & Power), Wyoming, Pa.
Fulton Tool Works (Coal), Canal, Fulton, O.
Goodman Mfg. Co. (Auger Type), Halsted & 48th pl, Chicago, Ill.
Hardsocg, Martin Co. (Auger, etc., Coal)), 922 South av, Allegheny, Pa.
Hardsocg Wonder Drill Co. (Hand), Ottumwa, Pa.
Herzler-Henninger Machine Works, Belleville, Ill.
Howell's Mining Drill Co. (Hand & Power), Plymouth, Pa.
Hubbard & Co., Pittsburg, Pa.
Ingersoll-Rand Co., 11 B'way, New York.
Iwan Bros. (Hand & Power), South Bend, Ind.
JEFFREY MFG. CO. (Hand & Power), Columbus, O. (See adv. index & branch offices, end of book)
Klein-Logan Co. (Hand), Pittsburg, Pa.
Leetonia Tool Co., Leetonia, O.
Le Grand Mine Drill Works, Wilkes-Barre, Pa
Marvin Electric Drill Co., Binghamton, N. Y
Massillon Foundry & Machine Co. ("Heimann" Coal Mining), Massillon, O.
Morgan-Gardner Electric Co. (Power), 2642 Shields av, Chicago, Ill.
Motley, Green & Co. (Inc.), 68 Broad, New York
Peoria Coal Drill Works, Peoria, Ill.
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick" Auger, Grip, Wood & Steel Post), Cheswick, Pa
Salem Tool Co. (Coal Only), Salem, O.
Warwood Tool Co. (Coal Miners'), Wheeling, W. Va.

Drills (Combination Center)

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Lord, L. L. Co. ("Lord"), Meadville, Pa.
Slocomb, J. T. Co., Providence, R. I.

Drills (Compressed Air)

Clayton Air Compressor Works, 114 Liberty, New York
Compressed Air Machinery Co. ("Giant"), San Francisco, Cal.
Economic Machinery Co. ("Dietz" Airoelectric Rock), Denver, Colo.
Howell's Mining Drill Co., Plymouth, Pa.
Ingersoll-Rand Co., 11 B'way, New York.
JEFFREY MFG. CO. ("Phillips"), Columbus, O., & 41 Dey, New York. (See adv. index & branch offices, end of book)
McKiernan Drill Co., 115 B'way, New York
Rix Compressed Air & Drill Co. (Also North Steel, Baby Drill), 871 Market, San Francisco, Cal.
Rogers, Jno. M. Works, Gloucester City, N. J.

Drills (Core)

American Diamond Rock Drill Co. (Diamond Prospecting), 90 West, New York
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Cyclone Drill Co. ("Diamondite," "Preslar" Prospecting), Orrville, O.
Ellison, Wm. & Sons Mfg. Co., 1018 N 6th, St. Louis, Mo.
Ingersoll-Rand Co. ("Davis Calyx," "Diamondless"), 11 B'way, New York
Standard Diamond Drill Co. ("Diamond," Capacity 350 to 6,000 ft), Chamber of Commerce bldg, Chicago, Ill.
Sullivan Machinery Co. (Diamond), Railway Exch bldg, Chicago, Ill.

Drills (Corn Planting)

American Drill Co., The, Springfield, O.
American Seeding Machine Co. (With Fertilizer Attachment), Main Office: Springfield, Avery, B. F. & Sons, Louisville, Ky. Ohio
Bement's, R. Sons, Lansing, Mich.
Bradley, David Mfg. Co., Bradley, Ill.
Campbell Corn Drill Co. (Corn Drills, etc.), Harrison, O.
Case, J. I. Plow Works, Racine, Wis
Chambers, Bering, Quinlan Co., Decatur, Ill.
Deere & Mansur Co., Moline, Ill.
Deuscher, H. P. Co., Hamilton, O.
Emerson Mfg. Co., Rockford, Ill.
Fetzer & Co., Springfield, Ill.
Gale Mfg. Co., Albion, Mich.
Hapgood Plow Co., Alton, Ill.
Hayes Pump & Planter Co., Galva, Ill.
King Drill Co., Logansport, Ind.
McSherry Mfg. Co., Middletown, O.
Moline Plow Co., Moline, Ill.
Morrison Mfg. Co., Fort Madison, Iowa
Ohio Rake Co., Dayton, O.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Quincy Corn Planter Co. ("Barlow"), Quincy, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rude Bros. Mfg. Co. (With Fertilizer Attachment), Liberty, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
Sechler, D. M. Carriage Co. ("Black Hawk"), Moline, Ill.
Shortsville Wheel Co., Shortsville, N. Y.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

Drills (Cotter)

Niles-Bement-Pond Co., 111 B'way, New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Drills (Cotton Planting)

American Seeding Machine Co., Springfield, O.
Avery, B. F. & Sons, Louisville, Ky.
Deere & Mansur Co. ("Zigzag Deer Lever," "Ajax Scotch"), Moline, Ill.
Moline Plow Co., Moline, Ill.

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Drills (Diamond)

Grant-Lees Machine Co. (For Optical & Mechanical Use), Cleveland, O.

Drills (Diamond Core)

(See Drills, Core)

Drills (Electric)

(See also Drills, Electric Portable)

Clark, Jas., Jr., & Co Louisville, Ky.
Emerson Electric Mfg. Co. (Motor Driven), 2030 Washington av, St. Louis, Mo.
Heitzer-Cabot Electric Co. ("H.-C." Vertical for Jewelry Works, Drilling Lenses, etc.), Brookline, Mass.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Scranton Electric Construction Co. (For Mining Gypsum, Fire Clay, etc.), Scranton, Pa
Stow Mfg. Co., Binghamton, N. Y.
VAN DORN ELECTRIC & MFG. CO. (Portable), 2694 E 79th, Cleveland, O. (See adv. index, end of book)

Drills (Electric Portable)

Anderson Electric Machine Tool Co., St. Louis, Mo.
Barts, Wygant & Brown ("Royal"), Hornell, N. Y
Cary, Jas. E., Portland, Me.
Chicago Pneumatic Tool Co. ("Duntley," "Little," Air Cooled), Fisher bldg., Chicago, Ill.
Cincinnati Electrical Tool Co. (Direct Current, Breast or Hand), Cincinnati, O.
COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index end of book)
Fortuna Machine Co. (Importers), 127 Duane, New York
Hisey-Wolf Machine Co., Cincinnati, O.
United States Electric Tool Co. (Hand), 1938 W 8th, Cincinnati, O.
Stow Mfg. Co., Binghamton, N. Y.
Van Dorn Elec. & Mfg. Co., Cleveland, O.
Victor Electric Co., 55 Market, Chicago, Ill.

Drills (Electric Rock)

Box Electric Drill Co. ("Box"), 115 B'way, New York
Crippen, H. D. Mfg. Co. ("Box-Electric"), 25 Broad, New York
Economic Machinery Co. ("Dietz" Airoelectric, Denver, Colo.
Gardner Elec. Drill & Machinery Co. ("Adams"), Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
Howell's Mining Drill Co., Plymouth, Pa.
JEFFREY MFG. CO. (Rotary, for Coal, Clay, Shale, etc.), Columbus, O. (See adv. index & branch offices, end of book)
Marvin Electric Drill Co., Binghamton, N. Y.
Mine & Smelter Supply Co. ("Durkee"), Denver, Colo.
Montana Electric Co., Butte, Mont.
Morgan-Gardner Electric Co., 2642 Shields av, Chicago, Ill.
Northern Electrical Mfg. Co., Madison, Wis.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Drills (Electricians')

(See Drills & Bits, Electricians')

Drills (Extension)

Grabler Mfg. Co. (For Drilling Into I Beams or Concrete), Cleveland, O.

Drills (Fertilizer)

Allen, S. L. & Co., Philadelphia, Pa.
American Seeding Machine Co. (Grain), Main Office, Springfield, O.
Bateman Mfg. Co., Grenloch, N. J.
Genung, C. W. ("Iron King" Hand), Madison, Ohio
Hench, Dromgold & Co., York, Pa.
Rude Bros. Mfg. Co., Liberty, Ind.
Spangler Mfg. Co., York, Pa.
Wayne Works, Richmond, Ind.

Drills (Flexible Shaft)

(See Shafts, Flexible)

*Drills (Fluted)

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Gang)

Barnes, B. F. Co., Rockford, Ill.
Barnes Drill Co., Rockford, Ill.
Barnes, W. F. & Jno. Co., Rockford, Ill.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Foote-Burt Co., 4101 St. Clair, N E, Cleveland, O.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Hoefer Mfg. Co., Freeport, Ill.
Moline Tool Co., Moline, Ill.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
Rockford Drilling Machine Co., Rockford, Ill.
Snyder, J. E. & Son, Worcester, Mass.

Drills (Garden Seed)

Genung, C. W., Madison, O.

Drills (Grain)

American Drill Co., Marion, Ind.
American Seeding Machine Co. (Hoe, Shoe, Disc, also Low Down Press), Springfield, O.
Beaver Dam Mfg. Co., Beaver Dam, Wis.
Cassopolis Mfg. Co., Cassopolis, Mich.
Chambers, Bering, Quinlan Co., Decatur, Ill.
Champion Drill Co., Avon, N. Y.
Champion Wagon Co., Owago, N. Y.
Crown Mfg. Co., Phelps, N. Y.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dowagiac Mfg. Co., Dowagiac, Mich.
Emerson Mfg. Co., Rockford, Ill.
Farquhar, A. B. Co. (Force, Feed, Grain, Grass & Phosphate), York, Pa.
Fetzer & Co., Springfield, Ill.
Fuller Mfg. Co., East Moline, Ill.
Geiser Mfg. Co., Waynesboro, Pa.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gundlach, Philip M., Belleville, Ill.
Hapgood Plow Co., Alton, Ill.
Hayes Pump & Planter Co., Galva, Ill.
Hench & Dromgold Co., Inc., York, Pa.
Hocking Valley Mfg. Co., Lancaster, O.
Hoosier Drill Co., Richmond, Ind.
Houser & Haines Mfg. Co., Stockton, Cal.
King Drill Co., Logansport, Ind.
King Drill Mfg. Co., Nebraska City, Neb.
La Crosse Plow Co., La Crosse, Wis.
Lean, Roderick Mfg. Co., Mansfield, O.
Messinger Mfg. Co. (With Grass Seeder), Tatamy, Pa.
Miller Grain Drill Mfg. Co., Newton, Kan.
National Drill Co., Cambridge City, Ind.
Ontario Drill Co., Despatch, N. Y.
Owaltonna Mfg. Co., Owatonno, Minn.
Peoria Drill & Seeder Co., Peoria, Ill.
Rowell, J. S. Mfg. Co., Beaver Dam, Wis.
Rude Bros. Mfg. Co. (Hoe, Shoe & Disc) Liberty, Ind
Spangler Mfg. Co. ("Spangler" Low-down) York, Pa.
Spring Grain Drill Mfg. Co., Peru, Ind.
Stoddard Mfg. Co., Dayton, O.
Thomas Mfg. Co., Springfield, O.
Van Brunt Mfg. Co. (Shoe & Hoe & Low Down Press), Horicon, Wis
Wayne Works, Richmond, Ind.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.
Withington & Cooley Mfg. Co., Jackson, Mich.

Drills (Grain Disc)

(See also Drills, Grain)

American Drill Co., Marion, Ind.
American Seeding Machine Co., Main Office Springfield, O.
Beaver Dam Mfg. Co., Beaver Dam, Wis.
Chambers, Bering, Quinlan Co., Decatur, Ill
Champion Drill Co., Avon, N. Y.
Hoosier Drill Co., Richmond, Ind.
La Crosse Plow Co., La Crose, Wis.
McSherry Mfg. Co., Middletown, O.
Rock Island Plow Co. (Comb Disc Drill & Harrow), Rock Island, Ill.
Spangler Mfg. Co., York, Pa.
Van Brunt Mfg. Co., Horicon, Wis.
Thomas Mfg. Co. (5 disc), Springfield, O.
Wayne Works, Richmond, Ind.

Drills (Hammer, Brick & Stone)

(For Drilling Holes for Expansion Bolts, etc.)

DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index, end of book)
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Props.), ("Osborn"), 169 Chambers, New York. (See adv. index, end of book)
Kraeuter & Co., Newark, N. J.
Peirce Specialty Co., Elkhart, Ind.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
STAR EXPANSION BOLT CO., 147 Cedar, New York. (See adv. index & branch offices, end of book)
STEWARD & ROMAINE MFG. CO., 124 N 6th, Phila., Pa. (See adv index, end of book)

Drills (Hand Power)

American Machine Construction & Repairing Co., 1039 Race, Philadelphia, Pa.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
CHICAGO FLEXIBLE SHAFT CO. (Flexible Shaft), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
Duff Machine Co., 8 Western av, Lowell, Mass.
Foos Mfg. Co. (Blacksmiths), Springfield, O.
Fray, Jno. S. & Co. (Malleable Iron Frame), Bridgeport, Conn.
Goodell-Pratt Co. (Double Geared, etc.), Greenfield, Mass.
Hunter, Jas. Machine Co., North Adams, Mass.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Jones, E. D. & Sons Co. (For Metal), Pittsfield, Mass.
Millers Falls Co. (Ball Bearing), 28 Warren, New York; Works: Millers, Falls, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
North Bros. Mfg. Co. ("Yankee," Automatic & Reciprocating, for Carpenters, etc.), cor N American & Lehigh av, Phila., Pa.
Prentice Bros. Co., Worcester, Mass.
Reed Francis Co., Worcester, Mass.
Rutschmann, Oscar F., 426 Berks, Phila., Pa.
Tower & Lyon Co., 95 Chambers, New York
Upton & Gilliman (With Screw Feed & Chain Attachment), Lowell, Mass.

Drills (High Speed)

Celfor Tool Co. ("Celfor"), 9 Jackson boul., Chicago, Ill.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
High Speed Drill Co. ("Collis"), Dubuque, Iowa
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
WHITMAN & BARNES MANUFACTURing Co. ("W. & B."), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Hollow)

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National," Hollow Mill), Detroit, Mich.

Drills (Letter)

Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Marble & Granite)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Lincoln Iron Works, Rutland Vt.

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Drills (Mine Ratchet)

Bittenbender, Geo. H., Plymouth, Pa.
Jones, Geo. ("Jones'" Reversible), Chattanooga, Tenn.
Nixon Mining Drill Co., Chattanooga, Tenn.
Peglar Mfg. Co., Chattanooga, Tenn.

Drills (Mine, Self-Feeding)

Ohio Brass Co., Mansfield, Ohio.

Drills (Multiple Spindle)

AJAX MFG. CO. (For Drilling Brake Pins, Bolts, etc., 6, 8, 10 & 12 Spindles), 3830 Lakeside, N. E., Cleveland, O. (See adv. index, end of book)
Andrew, M. L. & Co., 2852 Spring Grove av, Cincinnati, O.
Barnes, B. F. Co., Rockford, Ill.
Barnes Drill Co., Rockford, Ill.
Barnes, W. F. & Jno. Co., Rockford, Ill.
Barr, Henry G. & Co., Worcester, Mass.
Baush Machine Tool Co. (Vertical & Horizontal), Springfield, Mass.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Clark, Jas., Jr., Electric Co. ("Willey," Three Spindle Electrically Driven), 313 W Main, Louisville, Ky.
Cleveland Machine & Mfg. Co., 1198 Hamilton, Cleveland, O.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Dwight Slate Machine Co., Hartford, Conn.
Foote-Burt Co., 4101 St. Clair av, N E, Cleveland, O.
Fox Machine Co., Grand Rapids, Mich.
FREVERT MACHINERY CO. (Mfrs'. Agents), 18 Dey, New York. (See adv. index, end of book)
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Garvin Machine Co., 137 Varick, New York
Gowanda Agricultural Works (8 Spindle), Gowanda, N. Y.
Harrington, E. Son & Co., 17th & Callowhill, Philadelphia, Pa.
Henry & Wright Mfg. Co., 133 Sheldon, Hartford, Conn.
Hoefer Mfg. Co., Freeport, Ill
Langelier Mfg. Co., 67 Clifford, Providence, R. I.
Moline Tool Co., Moline, Ill.
National Automatic Tool Co. (Full Auptomatic Universal Drill Press), Dayton, O.
National Machine Co. (Spindle Drill Presses), Hartford, Conn.
Newton Machine Tool Works, 2343 Vine, Philadelphia, Pa
Niles-Bement-Pond Co., Main Office, 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Reed, F. E. Co. (16 to 20 in. Swing), Worcester, Mass.
Reed, Francis Co. (5 to 10 Spindles), Worcester, Mass.
Rockford Drilling Machine Co., Rockford, Ill.
Sellers, Wm. & Co. (Inc.) (For Boiler & Plate Work), 1600 Hamilton, Phila., Pa.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Sigourney Tool Co., Hartford, Conn.
Taylor & Fenn Co. (Two Spindle & Four Spindle Adjustable), 54 Arch, Hartford, Conn.
Western Machine Tool Works ("Western"), Holland, Mich.
WALTHAM MACHINE WORKS (Small), Waltham, Mass. (See adv. index, end of Williams, White & Co., Moline, Ill. book)

Drills (Oil Tube)

Standard Tool Co., Cleveland, O.

Drills (Onion)

Allen S. L. & Co. ("Planet" Single Row), Phila., Pa.
Bacon Mfg. Co. ("Bacon" Two Row), Pontiac, Mich.
Genung, C. W. ("Iron King" Single Row), Madison, O.
Jelliffe, C. O. Mfg. Corporation ("Universal"), Southport, Conn.
Loudon Machinery Co. ("McIntosh" Two Row), Fairfield, Iowa
Schroeder Bros. ("Schroeder" Two Row), Minier, Ill.

Drills (Overhead or Hanging)

Boynton & Plummer, Worcester, Mass.

*Drills (Paper)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Drills (Piston Air)

(See Pneumatic Piston Drills)

Drills (Plug)

(See Pneumatic Plug Drills)

Drills (Pneumatic)

(See Pneumatic Drills)

Drills (Pneumatic Rock)

(See Pneumatic Rock Drills)

*Drills (Pod)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Drills (Portable)

(See also Drills, Hand; also Pneumatic Drills)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
CHICAGO FLEXIBLE SHAFT CO., La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Cincinnati-Bickford Tool Co., Cincinnati, O.
COATES CLIPPER MFG. CO. ("Coates" Flexible Shaft), Worcester, Mass. (See adv. index, end of book)
DALLETT, THOS. H. CO. (Electric Rope Driven), 2300 York, Phila., Pa. (See adv. index, end of book)
Gem Mfg. Co. ("Gem" Flexible Shaft), Pittsburg, Pa.
Harrington, E. Son & Co., 17 & Callowhill, Philadelphia, Pa.
Nasel Engineering & Machine Works, 4041 N 5th, Phila., Pa.
Newton Machine Tool Works (Electrically Driven), 2343 Vine, Philadelphia, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Reed, F. E. Co., Worcester, Mass.
Snyder, J. E. & Son, Worcester, Mass.
Stow Mfg. Co. (Flexible Shaft, Belt Driven), Bingamton, N. Y.
STRONG, CARLISLE & HAMMOND Co. (The Berlin), Cleveland, O. (See adv. index, end of book)

Drills (Post)

Box, Alfred & Co., 813 N Front, Phila., Pa.
Boynton & Plummer (Self-Feeding), Worcester, Mass.
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self-Feed), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Goodell-Pratt Co. (Or Wall), Greenfield, Mass.
Illinois Iron & Bolt Co. (Ball Bearing, "Handy," "Bailey"), Carpentersville, Ill.
Harrington, E. Son & Co., 17 & Callowhill, Philadelphia, Pa.
Howell Mining Drill Co. (Ball Bearing Heavy Geared), Plymouth, Pa.
Noyes, B. B. & Co., Greenfield, Mass.
Pittsburg Tool & Drop Forge Co. ("Cheswick," for Steel or Wood), Cheswick, Pa.
Reed, Francis Co., Worcester, Mass.
Silver Mfg. Co. (Hand or Belt), Salem, O.
Snyder, J. E. & Son, Worcester, Mass.
Whitcomb, Geo. D., Co. ("Whitcomb"), Rochelle, Ill.
Wiley & Russell Mfg. Co. ("Green River" Ball Bearing, Swing Table, Automatic Feed), Greenfield, Mass.

Drills (Prospecting, Hand or Power)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Crown Drilling Machine Co. (Gasoline or Steam), Akron, O.
Cyclone Drill Co., Orrville, O.
Keystone Driller Co., Beaver Falls, Pa.
Muench, George, Stamford, Conn.
New York Engineering Co. ("Empire"), 2 Rector, New York
Sullivan Machinery Co. (Diamond Core), Railway Exch bldg, Chicago, Ill.
Virginia Oregon Development Co., Portland, Ore.

Drills (Radial)

American Tool Works Co., 6th & Eggleston av, Cincinnati, O.
Aurora Tool Works, Aurora, Ind.
Baush Machine Tool Co. (Belt or Gear Driven), Springfield, Mass.
Box, Alfred & Co. (Radial Gang, etc.), 813 N Front, Phila., Pa.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Clark, Jas., Jr., Electric Co. ("Willey," Semi-Radial Electrically Driven), 313 W Main, Louisville, Ky.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Dreses Machine Tool Co., Cincinnati, O.
Fosdick Machine Tool Co., Cincinnati, O.
FREVERT MACHINERY CO. (Mfrs'. Agents), 18 Dey, New York. (See adv. index, end of book)
Gang, William E. Co., 1543 Queen City av, Cincinnati, O.
Hamilton Machine Tool Co. (60 to 120-inch), Hamilton, O.
Harrington, E. Son & Co., 17th & Callowhill, Philadelphia, Pa.
Henry & Wright Mfg. Co., Hartford, Conn.
Hilbert Machine Co. ("Hilbert"), Cincinnati, Ohio
Holland Machine Tool Works ("Western" Triple Geared), Holland, Mich.
Kane & Roach, Syracuse, N. Y.
Morris, John B., Foundry Co. ("Morris"), Cincinnati, O.
Mueller Machine Tool Co. (Cone Driven, 2½ to 4 foot Arm, etc.), 2427 Colerain, Cincinnati, O.
Newton Machine Tool Works, 2347 Vine, Philadelphia, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Optenberg Iron Works Co., Sheboygan, Wis.
Prentice Bros. Co. (Gear Speed Change), Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
STRONG, CARLISLE & HAMMOND Co., 836 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Western Machine Tool Works ("Western"), Holland, Mich.

*Drills (Rail Bonding)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Railway Track)

Bissell, F. Co., Toledo, O.
Boynton & Plummer (Swivel Clamp), Worcester, Mass.
Buda Foundry & Mfg. Co. ("Paulus" Automatic Feed, "Buda" Heavy Base & "Wilson" for Light Work, "Rech," etc.), Railway Exchange bldg, Chicago, Ill.
Cleveland Armature Works ("Ludelow"), Cleveland, O.
Cooks Standard Tool Co. ("Standard," "Climax," Kalamazoo, Mich.
FAIRBANKS, MORSE & CO. ("Eclipse," Self-Feeding), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Groff Drill & Machine Tool Co., Camden, N. J.
Handlan-Buck Mfg. Co. (Self-feeding, "Waterman," "Paulus," "Beland," "Underwood," "Champion," "Noble," & "Union Pacific"), 212 N 3d, St. Louis, Mo.
High Speed Drill Co. ("Collis" High Speed), Dubuque, Ia.
Ingersoll-Rand Co., 11 B'way, New York
Johnson, Isaac G. & Co. ("Victor"), Spuyten Duyvil, New York
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) 169 Chambers, New York. (See adv. index, end of book)
Lovejoy Tool Works ("Beland," "Lovejoy"), 86 E Ohio, Chicago, Ill.
Lowell Wrench Co. ("I. X. L."), Worcester, Mass.
Michigan Mfg. Co., Ypsilanti, Mich.
Millers Falls Co., 28 Warren, New York, & Millers Falls, Mass.

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Pettibone, Mulliken & Co. ("Ball," "Union," "Perfection"), 204 Dearborn, Chicago, Ill.
Pratt & Whitney Co. ("Renshaw"), Hartford, Conn.
Quincy-Manchester-Sargent Co. ("Q. & C."), 84 Van Buren, Chicago, Ill.
Reed Francis Co., Worcester, Mass.
Schuttler Ratchet Drill Co., 242 W Lake, Chicago, Ill.
Stow Mfg. Co. (Flexible Shaft), Binghamton, N. Y.
VAN DORN ELECTRIC & MFG CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)
Walworth Mfg. Co. ("Smith"), 132 Federal, Boston, Mass.

BUILDING SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Drills (Ratchet)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Armstrong Bros. Tool Co. ("Armstrong" Universal), 104 N San Francisco av, Chicago, Ill.
Ashcroft Mfg. Co., 85 Liberty, New York. Works, Bridgeport, Conn.
Atha Tool Co., Newark, N. J.
Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Billings & Spencer Co. (Double-Acting "Packer" for Flat & Square Shank Drills), Hartford, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros., Phila., Pa.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Curtis & Curtis Co. (Flat & Pipe), Bridgeport, Gooddell-Pratt Co., Greenfield, Mass. Conn.
Groff Drill & Machine Tool Co. (Continuous Motion Automatic Feed), Camden, N. J.
High Speed Drill Co. ("Collis" High Speed), Dubuque, Ia.
Hunter, Jas. Machine Co., North Adams, Mass.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), ("Weston's" Packer), 169 Chambers, New York. (See adv. index, end of book)
Keystone Mfg. Co. ("Monarch" & "Keystone," "Weston"), 41 Chandler, Buffalo, N. Y.
Lovejoy Tool Works ("Packer"), 86 E Ohio, Chicago, Ill.
Lowell Wrench Co., Worcester, Mass.
Millers Falls Co. (Flat), 28 Warren, New York; Works: Millers Falls, Mass.
New Process Twist Drill Co. (Taper, Square Shank, etc.), Taunton, Mass.
Parker, Chas. Co., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co. ("Renshaw"), Hartford, Conn.
Reed Francis, Co. (Plain & Geared), Worcester, Mass.
Schuttler Ratchet Drill Co., 242 W Lake, Chicago, Ill.
Stortz, John & Son (Flat & Pipe), 210 Vine, Phila., Pa.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Rice Planting)

American Seeding Machine Co., Main Office, Springfield, O.
Fetzer & Co., Middletown, O.
Hayes Pump & Planter Co., Galva, Ill.
McSherry Mfg. Co., Middletown, O.
Peoria Drill & Seeder Co., Peoria, Ill.
Wayne Works, Richmond, Ind.

Drills (Rock, Gasoline)

Scott, L. L., Joplin, Mo.

Drills (Rock, Hand)

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Crippen, H. D. Mfg. Co. ("Jackson"), 25 Broad, New York
Cyclone Drill Co., Orrville, O.
Haesenahl, Wm., 315 E 2d, Cincinnati, O.
Motley, Thornton N. Co. ("Jackson"), 66 Broad, New York
Rice, John V. Jr. & Co. (Gasoline), Bordentown, N. J.

Drills (Rock, Steam)

(See also Drills, Electric Rock; also Pneumatic Rock Drills)

Acme Road Machinery Co., Frankfort, N. Y.
Carnahan, C. T. Mfg. Co., Denver, Colo.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Cleveland Rock Drill Co. ("Cleveland"), Cleveland, O.
Denver Rock Drill & Machinery Co. ("Waugh," for Sloping, Sinking & Drifting, Denver, Colo.
FAIRBANKS, MORSE & CO. ("Sinclair" all Steel), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Ingersoll-Rand Co., 11 B'way, New York
JEFFREY MFG. CO. ("Jeffrey," "Badger"), Columbus, O. (See adv. index & branch offices, end of book)
Le Grand Mine Drill Works (Coal & Rock Mine), Wilkes-Barre, Pa.
Leyner, J. Geo. Engineering Works Co., Littleton, Col.
McKernan Drill Co., 115 B'way, New York
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Rogers, John M. Works, Gloucester City, N. Y.
SHAW WILLIS CO. (New & Second Hand), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Sullivan Machinery Co. (Steam or Air), R'y Exch bldg, Chicago, Ill.
Union Iron Works Co., San Francisco, Cal.
Wickes Bros. ("Murphy's" Little Champion), Saginaw, Mich.

Drills (Rotary)

(See Pneumatic Rotary Drills)

*Drills (Routing Bit)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Drills (Sensitive)

Barnes, B. F. Co., Rockford, Ill.
Barnes Drill Co., Rockford, Ill.
Barnes, W. F. & Jno. Co., Rockford, Ill.
Barr, H. G. & Co., Worcester, Mass.
Buescher Band Instrument Co., Elkhart, Ind.
Carroll-Jamieson Machine Tool Co. (11-inch Belt Driven), Batavia, O.
Clark, Jas., Jr., Electric Co. ("Willey," Electrically Driven), 313 W Main, Louisville, Ky.
Foote-Burt Co., 4101 St. Clair av, N E, Cleveland, O.
Fox Machine Co., Grand Rapids, Mich.
Gardam, Wm. & Son. (Inc.), 221 Fulton, New York
Garvin Machine Co., 137 Varick, New York
Hamilton Machine Tool Co., Hamilton, O.
Hardinge Bros., 1036 Lincoln av, Chicago, Ill.
Harrington, E. Son & Co., 17th & Callowhill, Phila., Pa.
Helmold, J. F. & Bro., A cor Dominick, Chicago, Ill.
Henry & Wright Mfg. Co., 133 Sheldon, Hartford, Conn.
Knecht Bros. Co. (Friction), 819 Wade, Cincinnati, O.
Langelier Mfg. Co. (Upright), 67 Clifford, Providence, R. I.
Miami Valley Machine Tool Co., Dayton, O.
National Machine Co. (Drill Presses), Hartford, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Oliver, W. W. Mfg. Co. (Jewelers, Etc.), 1483 Niagara, Buffalo, N. Y.
Patterson Tool & Supply Co., Dayton, O.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Reed, Francis Co., Worcester, Mass.
Rhoades Mfg. Co. (Sensitive Drill Press), Columbus, O.
Rockford Machine & Shuttle Co., Rockford, Ill.
St. Louis Mch. Tool Co. ("Coe," "St. Louis"), St. Louis, Mo.
Sibley Machine Tool Co., South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
Washburn Shops of the Polytechnic Institute, Worcester, Mass.
West St. Louis Machine & Tool Co., 606 Manchester av, St. Louis, Mo.

*Drills (Shade Roller)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Drills (Shell)

American Die & Tool Co., Reading, Pa.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Lincoln-Williams Twist Drill Co., Taunton, Mass.
Lord, L. L. Co. ("Lord" Combination), Meadville, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Drills (Slate)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Nixon Mining Drill Co., Chattanooga, Tenn.
Ruggles Machine Co., Poultney, Vt.

Drills (Star)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros., Philadelphia, Pa.
Kilborn & Bishop Co., New Haven, Conn.
STEWARD & ROMAINE MFG. CO., 124 N 6th, Philadelphia, Pa. (See adv. index, end of book)
Stortz, Jno. & Son (Stone), 210 Vine, Philadelphia, Pa.

Drills (Stove)

Lord, L. L. Co., Meadville, Pa.

Drills (Straight Shank)

Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Twist), Taunton, Mass.

Drills (Straightway)

Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Twist), Taunton, Mass.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago. (See adv. index & branch offices, end of book)

Drills (Suspension)

Baush Machine Tool Co., Springfield, Mass.
Birch & Birch (Speed, Suspended from Ceiling), Crawfordsville, Ind.
Cincinnati-Bickford Tool Co.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.
Reed, Francis Co., Worcester, Mass.

Drills (Tap)

Bay State Tap & Die Co., Mansfield, Mass.
Chicago Screw Co. (For Machine Screw Taps), 2 N. Canal, Chicago, Ill.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Detroit Twist Drill Co., Detroit, Mich.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Hot Forged), Taunton, Mass
Putnam Machine Co., Fitchburg, Mass.
Standard Tool Co., Central av & P. Ry., Cleveland, Ohio
Winter Bros. Co., Wrentham, Mass.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Taper Shank)

Lincoln-Williams Twist Drill Co. (Square Shank), Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co. (Square Shank), New Bedford, Mass. (See adv. index, end of book)

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WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Three & Four Groove)

Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Track)

(See Drills, Railway Track)

Drills (Traveling)

Cincinnati-Bickford Tool Co., Cincinnati, O.

Drills (Traverse)

Fitchburg Machine Works, Fitchburg, Mass.
National Machine Co. (Double Head & Adjustable), Hartford, Conn.
Pratt & Whitney Co. (Double Head), Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

Drills (Turret)

Niles-Bement-Pond Co., 111 B'way, New York
Quint, A. D. Hartford, Conn.

Drills (Twist)

American Die & Tool Co. ("A. D. & T. Co."), Reading, Pa.
Baldwin Steel Co. (Hudson), 133 Reade, N. Y.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. on following page)
Detroit Twist Drill Co. ("Graham"), Detroit, Mich.
Ellery Twist Drill Co., Portsmouth, N. H.
Etna Co., Taunton, Mass.
FRASSE, PETER A., & CO. (Mfrs. Agts.), 130 Worth, New York. (See adv. index, end of book)
Lincoln-Williams Twist Drill Co. ("Peerless" High Speed), Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co. (Square Shank), New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Process Twist Drill Co. (Hot Forged), Taunton, Mass.
PATTERSON, GOTTFRIED & HUNTER Co. (Mfrs. Agents), (Ltd.), 211 Center, New York
Standard Tool Co., Cleveland, O.
Swan, Jas. Co. (For Wood), Seymour, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y.
WHITMAN & BARNES MFG. CO. (Also Self-Oiling), Chicago, Ill. (See adv. index & branch offices, end of book)

*Drills (Twist, High Speed)

CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. on following page)
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO. ("Diamond," "Norka"), Chicago, Ill. (See adv. index & branch offices, end of book)

Drills (Universal)

American Tool Works Co., Cincinnati, O.
Cincinnati-Bickford Tool Co. (Half Universal Radial), Cincinnati, O.
Detrick & Harvey Machine Co. (Horizontal), 506 E Preston, Baltimore, Md.
Dreses Machine Tool Co., Cincinnati, O.
Foote-Burt Co. (Adjustable), 4101 St. Clair av, N E, Cleveland, O.
Fosdick Machine Tool Co. (Half & Full Universal Radial), Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York

Drills (Upright)

Aurora Tool Works (Upright Drill Presses, 12-50 inch Swing), Aurora, Ind.
Barnes, B. F. Co. (Hand & Foot Power), Rockford, Ill.
Barnes Drill Co. (Hand & Foot Power), Wheeling, W. Va.
Barnes, W. F. & Jno Co., Rockford, Ill.
Barr, Henry G. & Co. (Spindle), Worcester, Mass.
Boynton & Plummer (Hand & Power Self-Feeding Upright & Horizontal), Worcester, Mass.
Burke Machinery Co., Cleveland, O.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Diets Machine Tool Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Fox Machine Co., Grand Rapids, Mich.
FREVERT MACHINERY CO. (Mfrs' Agents), 18 Dey, New York. (See adv. index, end of book)
Gardam, Wm. & Son. (Inc.), 221 Fulton, New York
Hamilton Machine Tool Co. (12 to 42 inch), Hamilton, O.
Hoefer Mfg. Co., Freeport, Ill.
Hilbert Machine Co., Cincinnati, O.
Illinois Iron & Bolt Co. ("Illinois" Hand Power for Wagon Mfrs., etc.), Carpentersville, Ill.
Kern Machine Tool Co., 4655 Spring Grove av, Cincinnati, O.
Knecht Bros. Co., 819 Wade, Cincinnati, O.
Langelier Mfg. Co., Providence, R. I.

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Mechanics Machine Co., Rockford, Ill.
New Haven Mfg. Co. (With Automatic Power Feed), New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
PATTERSON, GOTTFRIED & HUNTER, (Ltd.), 211 Center, New York
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Reed, F. E. Co., Worcester, Mass.
Reed, Francis Co. (Hand & Power, for Blacksmiths, Machinists, etc.), Worcester, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Sibley Machine Tool Co., South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Snyder, J. E. & Son, Worcester, Mass.
STARK TOOL CO. (1 to 5 Spindles), Waltham, Mass. (See adv. index, end of book)
Superior Machine Tool Co., Kokoma, Ind.
Wiley & Russell Mfg. Co. ("Green River" Upright Self Feeding Drilling Machines, Hand & Power), Greenfield, Mass.

*Drills (Wood Boring Brace)

WHITMAN & BARNES MFG. CO., West Pullman, Chicago. (See adv. index & branch offices, end of book)

Drills & Bits (Electricians')

(See also Drills, Hammer, Brick & Stone)
Cincinnati Tool Co. ("Hargraves"), Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Detroit Twist Drill Co., Detroit, Mich.
Deuse, J. S. (Bits & Gimlets), Chester, Conn.
Dicke, C. H., Tool Co., Downers Grove, Ill.
Jennings, C. E. Co., 42 Murray, New York
Kraeuter & Co. (For Brick & Stone), Newark, N. J.
Mayhew, H. H. Co., Shelburne Falls, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
New Process Twist Drill Co. (Twist), Taunton, Mass.
Osborne, Henry G. (For Brick & Stone), 74 Cortlandt, New York
Pierce Specialty Co. (For Brick & Stone), Elkhart, Ind.
Pugh, Job. T., 2100 Ludlow, Phila., Pa.
Standard Tool Co. (For Brick & Stone), Cleveland, O.
Stortz, John & Son, 210 Vine, Philadelphia.
Swan, James Co., Seymour, Conn. Pa.
Syracuse Twist Drill Co., Syracuse, N. Y.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Drills & Listers (Combined)

Bradley, David Mfg. Co., Bradley, Ill.
Gale Mfg. Co. (Riding & Walking), Albion, Mich.
Moline Plow Co. (Riding), Moline, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.

*Drip Pans (Automobile)

BURROWES, E. T. CO. ("Royal"), Portland, Me. (See adv. index, end of book)

Drips (Gauge Cock)

Knapp Mfg. Co., 20 Warren, New York

Drive Pole Steps

(See Pole Steps, Drive)

Drivers (Brad)

(For Boarding or Nailing Door Mouldings)
Seymour & Whitlock, 43 Lawrence, Newark, N. J.

Drivers (Coopers' Hoop)

Drew, C. & Co., Kingston, Mass.
Indiana Small Handle W'ks, Fort Wayne, Ind.
Piqua Handle & Mfg. Co., Piqua, O.
Stortz, John, & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Drives (Angle Chain)

Ams, Max Machine Co. ("Positive"), Mount Vernon, N. Y.

*Drives (Motor)

ELECTRIC CONTROLLER & MFG. CO. (Direct for Planers, etc.), Cleveland, O. (See adv. index & branch offices, end of book)

Drives (Power)

Cushman Electric Co. (Variable Speed Motor), Concord, N. H.
Dodge Mfg. Co., Mishawaka, Ind.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Roth Bros. & Co. (Electric), Loomis & Adams, Chicago, Ill.
R-W Speed Variator Co. (Variable Speed), 149 B'way, New York
Stephens-Adamson Mfg. Co. (Manilla Rope), Aurora, Ill.

*Drives (Power, Friction Cone Pulley)

EVANS FRICTION CONE CO., 1288 Center, Newton Center, Mass. (See adv. index, end of book)

*Drives (Right Angle)

PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York

Drives (Rope)

(See Rope Drives)

Drivers (Staple)

McIntire, G. A. & Co., Port Chester, N. Y.

Drop Black

Bihn & Wolff Co., Bridesburg, Phila., Pa.
Binney & Smith Co., 81 Fulton, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Seaver & Co., 120 Milk, Boston, Mass.

Drop Forgings

(See Forgings, Drop)

Drug Store Fixtures

(See Store & Bar Fixtures)

*Drums (Car Heater)

CHICAGO CAR HEATING CO., Railway Exchange bldg, Chicago, Ill., & 170 B'way, New York. (See adv. index, end of book)

Drums (Gas)

(See Holders, Gas)

*Drums (Glycerine & Oil)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Drums (Hoisting)

(See Engines, Hoisting; also Engines, Hoisting, Contractors')

Drums (Incline)

(Incline Drums & Machinery)
Helmick Foundry & Machine Co., Fairmont, W. Va.
Niles Mine & Mill Supply Co., Citizens bldg, Cleveland, O., & Niles, O.
Phillips Mine & Mill Supply Co., Pittsburg, Pa.
South Side Foundry & Machine Works, Charleston, W. Va.
Stine, J. C. Co., Tyrone, Pa.

Drums (Rope Driving)

Dodge Mfg. Co., Mishawaka, Ind.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Link Belt Co., W. 39th cor. Stewart av, Chicago, Ill. & Nicetown, Phila., Pa.
Poole Engineering & Machine Co., Woodberry, Station, Baltimore, Md.
Vulcan Iron Works, Wilkes-Barre, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Drums (Sand)

Cummer, F. D. & Son Co., Cleveland, O.

*Drums (Seamless Pressed Steel)

PRESSED STEEL TANK CO. (Shipping), 720 Hanover, Milwaukee, Wis. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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Drums (Steam or Mud)

East Jersey Pipe Co., Paterson, N. J.
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av., Chicago, Ill. (See adv. index, end of book)
Murray Iron Works Co., Burlington, Iowa.
National Tube Co. ("Shelby" Seamless Steel Tubing), Pittsburg, Pa.
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers Bank bldg, Pittsburg, Pa. (See adv. index, end of book)

Drums (Steel Shipping)

(See Barrels, Steel Shipping)

Drums (Winding)

Bonnot Company, Canton, O.
Caldwell, H. W. & Son Co. (For Power Scrapers or Malt Shovels), 17th & Western av, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.
Michigan Brick & Tile Machine Co., Morenci, Mich.
Poole Engineering & Machine Co., Woodberry, Station, Baltimore, Md.
Potts, C. & A. & Co. (Inc.), Indianapolis, Ind.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Steele, J. C. & Son, Statesville, N. C.
Union Foundry & Machine Co., Pittsburg, Pa.

*Drums (Wooden)

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

*Dry Cleaners Storage System (Naphtha)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Dry Colors

(See Color Manufacturers)

Dry Docks (Steel, Floating)

Maryland Steel Co. (A Specialty), Baltimore, Md.

Dry Docks & Marine Railways

(See also Shipbuilders)

ALABAMA.

MOBILE—Ollinger-Bruce Dry Dock Co.

CALIFORNIA.

SAN FRANCISCO—Boole, W. A. & Son, 20 California
California Engineering & Construction Co., Rialto bldg
Hall Bros. Marine Railway & Shipbuilding Co., 312 California
San Francisco Dry Dock Co., 302 Calif.
South San Francisco Dock Co., Nevada blk
Union Iron Works Co.

CONNECTICUT.

GILDERSLEEVE—Gildersleeve S. & Sons
NEW HAVEN—Graves, Geo. M.
Petremont Boat Co.
Thatcher, Stephen
NEW LONDON—Davidson, W. H.
New London Marine Iron Works
Thames Marine Railway Co.
Trumbull Marine Railway Co.
NOANK—Palmer, Robt. & Son Ship Bldg. & Marine Railway Co.

DELAWARE.

WILMINGTON—Amer. Car & Foundry Co.
Harlan & Hollingsworth Corporation
Pusey & Jones Co. (Marine Railway)

FLORIDA.

JACKSONVILLE—Merrill-Stevens Co.

GEORGIA.

SAVANNAH—Kehoe, Wm. & Son
Rourke, John, & Sons

ILLINOIS.

CHICAGO—Chicago Shipbuilding Co. (Dry Docks), 101st & Calumet River
Shipowners' Dry Dock Co., No. Halsted st bridge
MOUND CITY—Mound City Marine Railway & Dry Dock Co.

INDIANA.

JEFFERSONVILLE—Howard Ship Yards Co.

LOUISIANA.

BERWICK—Berwick Shipyard & Mfg. Co.

MAINE.

BATH—New England Co.
Sewall, Arthur & Co.
BELFAST—Merchants Marine Railway Co.
PORTLAND—Maine Electric Co., 25 Commercial
Portland Shipbuilding Co.
ROCKLAND—North Marine Railway
Snow, I. L. & Co.

MARYLAND.

BALTIMORE—Beacham, J. S. & Bro., Covington, ft. Warren av
Beacham, J. S. & Bro., Covington, ft Warren av
Booz Bros., ft of E Montgomery ave
Chesapeake Marine Railway Co., Philpot c Point
Marine Railway Machine & Boiler Works, 1301 Philpot
Maryland Steel Co., Sparrows Point
Nilson Yacht Building Co., Ferry Bar
Reeder, Oliver & Son, Hughes av & Covington
Shoop, Frank J., ft Stevenson, Locust Point
Skinner Ship Building & Dry Dock Co., ft E Fort av, Locust Point
Spedden Shipbuilding Co., Boston corner Chesapeake
Woodall, Wm. E. & Co., ft. Allen, Locust Point
SOLOMONS—Marsh, J. T.
SPARROWS POINT—Maryland Steel Co. (Dry Dock & Marine Railway)
WHITEHAVEN—Catlin, W. J. & Bro.

MASSACHUSETTS.

BOSTON—Atlantic Works, 70 Border, E. B.
Crandall, H. I. & Son Co., 102 Border
East Boston Dry Dock Co., 80 Border
Ellis, W. H., 17 Milk
Hayes, Geo. & Co., 166 Devonshire
Lawler Bros., 16 City sq, Chtn.
Lockwood Mfg. Co. (Marine Railway), 65 Summer, E. B.
Rendle, W. S. & Co., 135 Prescott, E. B.
Ross, Jos. Corporation, 28 School
Simpson's Patent Dry Dock Co., Marginal n Jeffries
Tidd, L. R., 166 Devonshire
GLOUCESTER—Burnham Bros. (Railway)
Rocky Neck Marine Railway Co.
MARBLEHEAD—Frazier, J. H. (Railway)

MICHIGAN.

BAY CITY—Bay City Dry Dock (Jas. & Jas. E. Davidson)
CHARLEVOIX—Washburn, O. S. & Son
DETROIT—Detroit Shipbuilding Co., ft Clark
Dupuis, A. J. Co., 1802 Ford bldg
Great Lakes Engineering Works, 308 Atwater E
Griffin, M. J., 169 Stanton av
HOUGHTON—Croze, Jos.
PORT HURON—Fitzgerald, J. H. & T. J.
WEST BAY CITY—Davidson, Jas. (Dry Docks Only)

MINNESOTA.

DULUTH—Duluth-Superior Dredging Co.
Grignon, Napoleon

MISSOURI.

ST. LOUIS—American Car & Foundry Co., 915 Olive

NEW JERSEY.

CAMDEN—Dialogue, Jno. H. & Son
HOBOKEN—Tietjen & Lang Dry Dock Co.
JERSEY CITY—Brown Dry Dock Co., ft Burt & Mitchell, ft Morris
Miller, Alex. & Bro., ft of Morris
Rickard, C. N., 344 Arlington av
PERTH AMBOY—Perth Amboy Dry Dock Co.
Raritan Dry Dock Co.

NEW YORK.

BUFFALO—Buffalo Dry Dock Co., Buffalo Creek & Ganson
Empire Shipbuilding Co., ft Genesee
Riley's Dry Dock, ft Charles
GREENPORT—Greenport Basin & Const. Co.
KINGSTON—Baisden, Jno. J.
Hiltebrant, Conrad (S. Rondout)
NEWBURGH—Marvel, T. S. Shipbuilding Co. (Marine Railways)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Atlantic Dock Co., 1 N Pier, Atlantic Dock
Crane's, Theo. A. Sons, Erie Basin
Downing & Lawrence, ft Court
Erie Basin Dry Dock, ft of Beard & Long Dock
Gokey, Wm. & Son, Erie Basin
Morse Dry Dock & Repair Co., ft 57th
N. Y. Dock Co., ft Montague
Robins, Jno. N. Co., ft Dwight, Erie Basin
South Brooklyn Dry Dock Co., ft 33d

Boroughs of Manhattan & Bronx.

NEW YORK—American Car & Foundry Co., 165 Broadway
Burlee Dry Dock Co., 1 B'way
Crane's, T. A., Sons' Co., 80 Broad
Erie Basin Dry Docks, 19 Whitehall
Havana Dry Dock Co., 21 State
Hunter's Point Dry Dock Co., 1 B'way
McWilliams, Frank, 1 B'way
Newport News Shipbuilding & Dry Dock Co., 30 Church
Robins, Jno. N. & Co., 25 Whitehall
Shewan, Jas. & Sons, ft of Houston
Starin, Jno. H., Pier 13, N R.
Tregarthen, Jas. Son & Co., ft 7th, E R.
Walsh, Jno. F., 136 Chariton

Borough of Queens.

LONG ISLAND CITY—Ward & Co.

Borough of Richmond.

WEST NEW BRIGHTON—McWilliams, Frank

(End of New York City)

OGDENSBURG—St. Lawrence Marine Railway Co.

NORTH CAROLINA.

WASHINGTON—Mutual Machine Co.
WILMINGTON—Skinner, Louis H.

OHIO.

ASHTABULA—Laird, Jas. G. & Sons
CINCINNATI—Queen City Marine Railway Co., Eastern av nr Waldron
CLEVELAND—American Shipbuilding Co., 2017 Superior av
TOLEDO—Gilmore Bros., ft McKinney
Toledo Marine Railway, Summit av nr Manhattan Mills

PENNSYLVANIA.

PHILADELPHIA—Cramp, Wm. & Sons Ship & Engine Building Co.

RHODE ISLAND.

EAST PROVIDENCE—Providence Dry Dock & Marine Railway
WICKFORD—Saunders, A. E.

SOUTH CAROLINA.

CHARLESTON—Riverside Iron Works

TEXAS.

GALVESTON—Galveston Wharf Co.
International Creosoting & Construction Co.

VIRGINIA.

BERKLEY—Colonna Marine Railway Corp.
HAMPTON—Hall, Warren
NEWPORT NEWS—(See Shipbuilders)
NORFOLK—Core, W. T.
Smith & McCoy
Taylor, Geo. T.
PORTSMOUTH—Portsmouth Marine Ry.
RICHMOND—(See Shipbuilders)

WASHINGTON.

SEATTLE—Moran Co.
Puget Sound Bridge & Dredging Co.
United States Blow Pipe & Hydraulic W'ks

WISCONSIN.

MANITOWOC—Burger, H. B., Jr.
Manitowoc Dry Dock Co.
MILWAUKEE—Milwaukee Dry Dock Co.
SUPERIOR—Superior Shipbuilding Co.

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Dry Kilns
(See Kilns, Drying)

Dry Pans
(See Pans, Dry)

Dryer & Calcining Apparatus
Cummer, F. D. & Son Co., The Arcade, Cleveland, O.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Brick)
(See also Kilns, Dry)
American Blower Co., 1400 Russell, Detroit, Mich.
American Clay Machinery Co., Bucyrus, O.
American Process Co., 68 William, New York
Barron Dryer Co. ("Chicago," "Iron Clad" & "Barron," Tender Clay), 84 La Salle, Chicago, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Chambers Bros. Co., 62d, bel. Lancaster av, Philadelphia, Pa.
Cummer, F. D. & Son Co., 413 Arcade, Cleveland, O.
Hartford Blower Co., Hartford, Conn.
Martin, Henry, Brick Machine Mfg. Co., Lancaster, Pa.
Means Foundry & Machine Co., Steubenville, O.
Mock, J. F., Hartford City, Ind.
Morrison, Trammell Brick Co., Rome, Ga.
National Blower Works, Milwaukee, Wis.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O
Ohio Ceramic Engineering Co. (Hot Air), Cleveland, O.
Pratt Pressed & Firebrick Co., Van Meter, Ia.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Scott's Patent Brick Car Co., (Open Air System), Knoxville, Tenn.
Sharer Dryer & Kiln Co., 914 Walnut, Phila., Pa.
Sparta Brick & Tiling Co. (Open Air), Sparta, Mich.
Standard Dry Kiln Co., Indianapolis, Ind.
Vose & Aregood Dryer Co., 78 Lasalle, Chicago, Ill.

Dryers (Cartridge Shell)
Rockwell Furnace Co., 26 Cortlandt, New York

Dryers (Cement & Asphalt)
Abbe Engineering Co., 220 B'way, New York
ALLIS-CHALMERS CO., (Cement & Ore), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Alsing, J. R. & Co., 75 Guernsey, Brooklyn.
American Blower Co., Detroit, Mich. N. Y
American Process Co. (Automatic), 68 William, New York
Atlas Dryer Co., Cleveland, O.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Cummer, F. D. & Son Co., The Arcade bldg, Emerick, Geo. S., Nazareth, Pa. Cleveland, O.
Nordyke & Marmon Co., Indianapolis, Ind.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Smith, Theodore & Sons Co., ft of Essex, Jersey City, N. J.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburg, Pa.
Variety Iron & Steel Works Co., Cleveland, O.
Vulcan Iron Works, Wilkes-Barre, Pa.

Dryers (Centrifugal Metal Parts)
Curtis, Albert B. ("Curtis" for Drying Small Parts that are either Nickled or Dipped, etc.), Worcester, Mass.

*Dryers (Coal, Stone, Etc.)
BARTLETT, C. O. & SNOW CO. (For Coal), French st., Cleveland, O. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Coffee)
American Process Co., 68 William, New York
Salem Iron Works ("Hege"), Winston Salem, N. C.

*Dryers (Cylinder)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Dryers (Fertilizer)
American Process Co., 68 William, New York
Anderson, V. D. Co. (1 to 3 Cylinder), Cleveland, O.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

Dryers for Concentrates
American Process Co., 68 William, New York
Cummer, F. D. & Son Co. Cleveland, O.
Power & Mining Machinery Co., 52 William, Cudahy, Wis.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Garbage)
American Process Co., 68 William, New York
Anderson, V. D. Co. (Also Tankage), Cleveland, Ohio
KUTZTOWN FOUNDRY & MACHINE CO., 116 W Broad, Phila., Pa. (See adv. index & branch offices, end of book)
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Grain & Malt)
American Process Co., 68 William, New York
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Cummer, F. D., & Son Co., Arcade bldg, Cleveland, O.
Hess Warming & Ventilating Co. (Pneumatic System), 131 La Salle, Chicago, Ill.
Louisville Drying Machinery Co., (Distillers & Brewers Dryers)
Morris, F. R., Milwaukee, Wis.
Morris, Henry G., 233 Walnut, Phila., Pa.
National Blower Works, 17th & St. Paul av, Milwaukee, Wis.
Remmers, B. & Sons (Also for Starch, Vegetables, Chemicals, etc.), Bourse bldg, Phila., Pa.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Sturtevant, B. F. Co., Hyde Park, Mass.
Thacher, Geo. H., & Co., Albany, N. Y.
Vogt, Henry Machine Co., Louisville, Ky.

Dryers (Hoof or Bone)
American Process Co., 68 William, New York
Anderson, V. D., Co., Cleveland, O.
Bigelow Co., New Haven, Conn.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Hot Roll for Veneer Lumber)
Fischer Machine Works, 710 Carroll av, Chicago, Ill.
Grand Rapids Veneer Works, Monadnock blk, Chicago, Ill.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Jacketed Cylindrical)
American Process Co., 68 William, New York
Petty, J. K. & Co. (Lebanon Boiler Works), Stephen Girard bldg, Phila., Pa. Works: Lebanon, Pa.

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Dryers (Leaf Tobacco)

American Process Co., 68 William, New York
Philadelphia Textile Machinery Co., Phila., Pa.

*Dryers (Leather Scrap)

RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Lumber)

American Blower Co., Detroit, Mich.
American Process Co., 68 William, New York
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.
Sturtevant, B. F. Co., Hyde Park, Mass.
Turney Drier Co., Columbia bldg, Louisville, Ky.

Dryers (Meal)

American Process Co., 68 William, New York
Buffalo Foundry & Machine Co., Buffalo, N. Y.
Great Western Mfg. Co., Leavenworth, Kan.
Nordyke & Marmon Co. (Steam, etc.), Indianapolis, Ind.
Remmers, B. & Sons, Bourse bldg., Phila., Pa.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Mold)

American Process Co., 68 William, New York
Hanna Engineering Works ("Hanna" Portable), 820 Elston av, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Tilghman-Brooksbank Sand Blast Co. (Portable, for Foundry Use), 1126 S 11th, Phila., Pa.

Dryers (Ore)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Process Co., 68 William, New York
Chalmers & Williams (Revolving), Commercial Nat'l Bank bldg, Chicago, Ill.
Cummer, F. D. & Son Co., Arcade, Cleveland, O.
Denver Engineering Works Co., Denver, Colo.
Hendy, Joshua, Machine Works, 38 Fremont, San Francisco, Cal.
Honhorst, Joseph, Co., Cincinnati, O.
Mine & Smelter Supply Co., Denver, Colo.
Power & Mining Machinery Co. (Revolving, etc.), Cudahy, Wis.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Standard Sand & Machine Co., 5151 St. Clair, Cleveland, O.
Union Iron Works Co., San Francisco, Cal.

Dryers (Revolving)

American Process Co., 68 William, New York
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Stauffer, Geo. E., East Stroudsburg, Pa.

Dryers (Rotary)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Process Co. (Direct Heat Blast), 68 William, New York
Buffalo Foundry & Machine Co. (Vacuum & Drum), Buffalo, N. Y.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.
Power & Mining Machinery Co., Cudahy, Wis
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
Variety Iron & Steel Works Co., Cleveland, O.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

*Dryers (Salt)

RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)

Dryers (Sand)

(See Sand & Gravel Heaters & Dryers)
(See also Stoves, Sand Drying)

Dryers (Soap)

American Blower Co., Detroit, Mich.
American Process Co., 68 William, New York
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Sturtevant, B. F. Co., Hyde Park, Mass.

Dryers (Starch)

National Blower Works, Milwaukee, Wis.

Dryers (Textile)

(See Textile Machinery, Etc., in Letter T)

Dryers (Tobacco)

(See Dryers, Leaf Tobacco)

Dryers (Vacuum)

American Process Co., 68 William, New York
Buffalo Foundry & Machine Co. (Drying & Impregnating Apparatus), Buffalo, N. Y.
Devine, J. P. Co. ("Emil Passburg" System, Drying & Impregnating Apparatus), Buffalo, N. Y.
Hubbard's, Norman, Sons, (Drying & Impregnating Apparatus), 265 Water, Brooklyn, N. Y.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Stokes, F. J. Machine Co. (For Pharmaceutical Purposes), Phila., Pa.

Drying Frames

(See Clothes Dryers of Various Kinds)

Drying Rooms

(See Clothes Dryers, Steam, Hot Water, Hot Air & Gas)

Dumb Bells (Wood)

Piqua Handle & Mfg. Co., Piqua, O.
Sommer's, Jno. Son, 355 Central av, Newark, N. J.

Dumb Bells & Quoits

American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Arcade Mfg. Co. (Japanned Quoits), Freeport, Ill.
Barber Mfg. Co., Ashtabula, O.
CANTON FOUNDRY & MACHINE CO., (Dumb Bells Only), Canton, O. (See adv. index, end of book)
Hardware & Woodenware Mfg. Co., 826 B'way, New York
Hellenberg & Son (Wood Dumb Bells Only), Coldwater, Mich.
Kupferle, Jno. C., Foundry Co., St. Louis, Mo.
Narragansett Machine Co. (Dumb Bells of All Kinds), Providence, R. I.
National Supply Co. (Quoits), 7 W Lombard, Baltimore, Md.
Reading Hardware Co., Reading, Pa.
Swett, A. L. Iron Works, Medina, N. Y.
Tatum, Samuel C. Co., Cincinnati, O.
Weller Hdw. & Foundry Co., Horseheads N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

*Dumb Waiter Doors (Automatic)

(See Dumb Waiter Doors, Fireproof)

*Dumb Waiter Doors (Fireproof)

AMERICAN METAL DOOR CO. (Automatic), Jamestown, N. Y. (See adv. index, end of book)

DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
RAPP, JNO. W. CO., General Office & Works, College Point, New York, Sales Rooms, 4 Madison av, New York. (See adv. index, end of book)

*Dumb Waiter Rope

(See also Cordage & Twine Manufacturers)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO. (Braided), 78 Chauncy, Boston, Mass. (See adv. index, end of book)

Dumb Waiters

CALIFORNIA.

SAN FRANCISCO—Cahill & Hall Elevator Co.
McNicoll, A. J. Elevator Co., 207 2d
OTIS ELEVATOR CO., Stockton, North Point & Beach. (See adv. index, end of book)
Pettitt, J. G., 33 Beale

COLORADO.

DENVER—McCarthy, M. J. & Co., 1134 Larimer

CONNECTICUT.

NEW HAVEN—MacKenzie, Geo. M., Water c East

ILLINOIS.

CHICAGO—Burdett-Rowntree Mfg. Co., 85 W Jackson boul
Gibbs, Chas. & Co., 395 W Lake
Munger, Chas. L., 142 Lake
OTIS ELEVATOR CO., 9 Jackson boul. (See adv. index, end of book)
Reedy, J. W. Elevator Mfg. Co., 91 Illi-
Union Elevator & Machine Co., 144 Ontario

IOWA.

COUNCIL BLUFFS—Kimball Bros. Co.

MARYLAND.

BALTIMORE—Bates', James Sons, Pratt c President
OTIS ELEVATOR CO., Equitable bldg. (See adv. index, end of book)

MASSACHUSETTS.

BOSTON—Beckwith Elevator Co., 123 Pearl
Brewer, Elias & Co., 19 Bowker
Kimball, C. E. & Son, 151 Pearl
Perry, Wm. J., 463a Atlantic av
SALEM—Salem Elevator Works. (See adv. index, end of book)
SPRINGFIELD—Springfield Elevator & Pump Co. (Power & Hand)

MICHIGAN.

DETROIT—O'Connell, H. P., 564 4th av
OTIS ELEVATOR CO., Penobscot bldg. (See adv. index, end of book)

MINNESOTA.

MINNEAPOLIS—Craig, W. H. & Co., 541 6th
Lagerquist, Gust, 516 N 3d av, S
ST. PAUL—Franklin Machine Works, 2208 W University av
Lee & Hoff Mfg. Co., 81 E Fillmore av

MISSOURI.

ST. LOUIS—Miller, Wm. A. Elevator Mfg. Co., 9th & Victor
OTIS ELEVATOR CO., Security bldg. (See adv. index, end of book)

NEW JERSEY.

NEWARK—**STORM MFG. CO.** (See adv. index, end of book)
Webber, G. A., 184 Penna av.

NEW YORK.

ALBANY—Gick & Sayles, 266 Hudson av
BROOKLYN—(See New York City, Borough of Brooklyn)

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BUFFALO—**WARSAW ELEVATOR CO.** (Steel Roller Bearings), Erie Co. Bank bldg. (See adv. index, end of book)
COHOES—**COHOES IRON FOUNDRY & Machine Co.** (See adv. index, end of book)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bergquist, Jacobson & Co., 258 3d av
Rodgers, R. M., & Co., 173 Washington av
Seaberg, Gustav, 407 Douglas

Boroughs of Manhattan & Bronx.

NEW YORK—Bergman, Louis C., 304 W. 127th
Burdett-Rowntree Mfg. Co., 147 W. 26th
Burwak Elevator Co., 216 Fulton
De Witt, O. W. Co., 256 W. 81st
Dowdall, Chas. E., 152 W B'way
Gordon Bros., 176 Wooster
Hoffman, Chas. W Co., 223 W. 28th
Holland, Thos. J., 211 E 84th
Larsen, Anton, & Co., Brook, cor E 134th
Murtaugh, Jas. Co. (Standard), 202 E 42d
Nelson, Alex. & Co., 103 W 95th
OTIS ELEVATOR CO., 17 Battery pl. (See adv. index, end of book)
Roberts, Jas. H., 430 W B'way
Rouquette & Co., 47 Warren
SEDGWICK MACHINE WORKS (Automatic & Band Brake, Brass Tube, Simplex, etc.), 128 Liberty. (See adv. in next column)
See, A. B. Electric Elevator Co., 220 B'way
Still, S. G., 1486 Milford pl
STORM MFG. CO., 113 Chambers. (See adv. index, end of book)
Williams, W. & Co., 312 E 95th

(End of New York City)

POUGHKEEPSIE—**SEDGWICK MACHINE** Works (Automatic & Band Brake, Brass Tube, Simplex, etc.). (See adv. in next column)
ROCHESTER—Kay, J. R. & S. P., Mill ft. of Brown
Kay, J. R. & S. P., Mill ft of Brown
OTIS ELEVATOR CO., Frank & Commercial. (See adv. index, end of book)
SYRACUSE—Houser Elevator Co., 314 E Water
WARSAW—**WARSAW ELEVATOR CO.** (Steel Roller Bearings). (See adv. index, end of book)



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CATALOGS AND ESTIMATES FURNISHED

OHIO.

CINCINNATI—Curran, Jas. H. Elevator Co., 114 W. 2d
OTIS ELEVATOR CO., Mercantile Library bldg. (See adv. index, end of book)
REEDY, H. J. CO., (Push Button, Electric & Hand), 11 W. 2d. (See adv. index, end of book)
WARNER ELEVATOR MFG. CO. (See adv. index, end of book)
CLEVELAND—Edmonds Elevator Co., 515 Champlain
OTIS ELEVATOR CO., Rockefeller bldg. (See adv. index, end of book)
COLUMBUS—Columbus Elevator & Machine Co., Curtis & Jefferson avs
Morris, C. E., & Co., 3d & Naghton
TOLEDO—Haughton Elevator & Machine Co.
Universal Machine Co.

PENNSYLVANIA.

LANCASTER—Welchans, A. C., 202 W James
PHILADELPHIA — Albro-Clem Elevator Co., 7th & Glenwood av
Energy Elevator Co., 214 New
O'Neill Elevator Co., 628 Cherry
OTIS ELEVATOR CO., 12th & Sansom. (See adv. index, end of book)
U. S. Elevator Co., 216 Dock.
PITTSBURG—Marshall Bros., S 21st
OTIS ELEVATOR CO., Keenan bldg. (See adv. index, end of book)
Union Elevator Co., 302 Gist
READING—**SPEIDEL, JOHN G. (See adv.** index, end of book)

WISCONSIN.

MILWAUKEE—Brodesser Elevator Mfg. Co.
KIECKHEFER, A. ELEVATOR Co., 1026-1104 St. Paul av. (See adv. index, end of book)

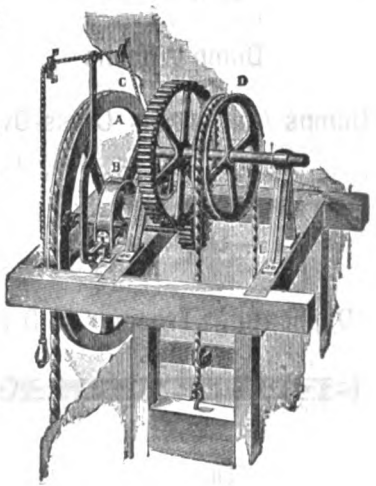


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87 ORANGE ST., NEW HAVEN, CONN.

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Dumb Waiters (Electric)

Burdett-Rowntree Mfg. Co. (Automatic), 85 W Jackson boul, Chicago, Ill., & 147 W. 26th st. New York

Columbus Elevator & Machine Co., Curtis & Jefferson avs., Columbus, O.

MARINE ENGINE & MACHINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)

OTIS ELEVATOR CO., 17 Battery pl., New York. (See adv. index & branch offices, end of book)

STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)

WARSAW ELEVATOR CO., Warsaw, N. J. (See adv. index & branch offices, end of book)

Dumb Waiters (Pneumatic)

Curtis & Co. Mfg. Co., St. Louis, Mo.

Miles Pneumatic Tube Co., 1123 B'way, New York

Dumb Waiters (Self-Sustaining)

Columbus Elevator & Machine Co., Curtis & Jefferson avs., Columbus, O.

SPEIDEL, JOHN G., Reading Pa. (See adv. index, end of book)

SEDGWICK MACHINE WORKS, Poughkeepsie, N. Y., & 128 Liberty, New York. (See adv. index, end of book)

STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)

WARSAW ELEVATOR CO., Warsaw, N. Y. (See adv. index, end of book)

*Dumb Waiters (Steel)

STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)

*Dump Boxes ("Troy")

TROY WAGON WORKS CO., 100 E Race, Troy, O. (See adv. index, end of book)

Dump Cars

(See Cars, Dumping)

Dump Wagons

(See Wagons, Dumping)

Dumps (Automatic, Cross-Over)

Nelsonville Foundry & Machine Co. ("Mitchell"), Nelsonville, O.

Phillips Mine & Mill Supply Co. ("Phillips"), Pittsburg, Pa.

Sullivan Machinery Co., Railway Exch bldg, Chicago, Ill.

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CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)

Dust Collectors (Mechanical)

Allington & Curtis Mfg. Co., Saginaw, E. S., Mich.

American Blower Co., Detroit, Mich.

Banister, A. W. (Separators), 35 Wareham, Boston, Mass.

Barnard & Leas Mfg. Co., (Rotary Pneumatic), Moline, Ill.

Bowman, Walker (Plans & Specifications for Flint, Coal, Paint, Cement, etc.), 39 Cortlandt, New York

Buffalo Forge Co., Buffalo, N. Y. & 39 Cortlandt, New York

Charlton, Jno. ("Apex"), Haddonfield, N. J.

Cincinnati Exhaust & Blow Pipe Co., 324 W. 3d, Cincinnati, O.

Clark, T. F., Co., Seattle, Wash.

Cyclone Blow Pipe Co., 70 W Jackson boul, Chicago, Ill.

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Dixie Mfg. Co., ("Cyclone"), Baltimore, Md.

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National Blower Works, Milwaukee, Wis.

Nordyke & Marmon Co., Indianapolis, Ind.

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Ohio Blower Co. (Also Furnace Feeders), 43 Michigan, Cleveland, O.

Porbeck Otto, 2017 N B'way, St. Louis, Mo.

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SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Sterling Blower & Pipe Mfg. Co., Hartford, Conn.

United States Blow Pipe & Hydraulic Works, Pacific blk, Seattle, Wash.

Venderbush & Looman, Detroit, Mich.

Wolf, Jacques & Co., Passaic, N. J.

Dust Guards (Hard Fibre)

(See Fibre, Hard)

Dust Guards (Journal Box)

Franklin Mfg. Co. (Asbestos), Franklin, Pa.

Harrison Dust Guard Co., Toledo, O.

McCord & Co., Old Colony bldg., Chicago, Ill

Railway Appliances Co. (Symington), Old Colony bldg., Chicago, Ill.

Republic Railway Appliance Co., 104 S Commercial, St. Louis, Mo.

Soule Raw Hide Lined Dust Guard Co. 113 Devonshire, Boston, Mass.

Symington, T. H., Co. ("Symington"), Baltimore, Md.

*Duster Mfrs.

OSBORN MFG. CO. (Wire, Fibre, Bristle, etc.), 5401 Hamilton av, N E. Cleveland, O. (See adv. index, end of book)

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Atteaux, F. E. & Co., Boston, Mass.

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Boley, C. H. & Co., Phila., Pa.

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Kalle & Co., 530 Canal, New York York

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(See Igniters, Gas & Gasoline Engines)

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FAIRBANKS, MORSE & CO., of Chicago, Ill. (Direct & Alternating). (See adv. index, end of bo
Standard Electric Construction Co., 60
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COLORADO.

DENVER—FAIRBANKS, MORSE & CO., of Chicago, Ill. (Direct & Alternating). (See adv. index, end of book)

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Allen Electric Co. (Direct Current)
Bodine Electric Co. (Direct Current), 17 W Madison
FAIRBANKS, MORSE & CO. (Direct & Alternating). (See adv. index, end of book)
Garden City Fan Co., Fisher bldg
Globe Electric Co. (Alternating), 6340 Stony Island av
Gregory Electric Co., 16th & Lincoln
Guarantee Electric Co., 153 S Clinton
Kimble Electric Co. ("Kimble-Gregory," Direct & Alternating), 619 W Adams
Morgan-Gardner Electric Co. (Direct Current), 2642 Shields av
National Stamping & Electric Works (Direct Current), 153 S Jefferson
Peerless Electric Co. (Direct Current), 122 S Green
Roth Bros. & Co. (Direct Current Vertical Shaft Motors), Loomis & Adams
United Pump & Power Co. (Thompson), Old Colony bldg
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Western Electric Co. (Direct Current), 259 S Clinton
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INDIANA.

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TERRE HAUTE—Kester Electric Co. (Direct Current Motors)

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OWENSBORO—Kentucky Electrical Co., Inc., Direct Current)

MAINE.

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Portland Co. (Slow Speed)

MARYLAND.

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MASSACHUSETTS.

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LOWELL—New England Motor Co. (Direct Current)

MICHIGAN.

DETROIT—FAIRBANKS, MORSE & CO. (Direct & Alternating). (See adv. index, end of book)
Fisher Electrical Works (Direct Current)
Fuller Co. (Direct Current)
Rumsey Elec. Co., 245 Jefferson
Rumsey Elec. Co., 19 Bagley av
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MINNESOTA.

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ST. PAUL—Northwestern Electric Equipment Co. ("Perfection," Direct Current)
Olson, Boettger Electric Mfg. Co. (Direct Current, Small)

MISSOURI.

JEFFERSON CITY—Star Dynamo Co. (Direct Current)
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Wagner Electric Mfg. Co.

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ELIZABETHPORT—Diehl Mfg. Co. (Direct Current)
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ROSELLE PARK—Shedd Electric Co. (Direct Current, Small)

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Stow Mfg. Co. (Direct Current)
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Bogue, Chas. J., Electric Co. (Direct Current), 513 W 29th
BUNNELL, J. H. & CO., Park pl & Church. (See adv. index, end of book)
Conn Dynamo & Motor Co. (Direct Current), 516 W 25th
Crocker Wheeler Co. of Ampere, N. J. (Direct & Alternating), 3 Church
FAIRBANKS, MORSE & CO., of Chicago, Ill. (Direct & Alternating), 133 Liberty. (See adv. index, end of book)
Fosbery Electric Motor Works (Direct Current), 145 E 42d
GENERAL ELECTRIC CO. (Direct & Alternating), 30 Church. (See adv. index, end of book)
Green, W. Electric Co. (Direct Current Small Motors), 81 Nassau
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Sterling Electric Motor Co. (Direct Current)
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Tower-Binford Electric & Mfg. Co.

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Foote, Pierson & Co., 160 Duane, New York
Leeds & Northrup Co., 4901 Stenton, Gtn. Phila., Pa.
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Pearce, Fred'k Co., 20 Rose, New York
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Philadelphia, Pa. (See adv. index, end of book)
Roller-Smith Co., Bethlehem, Pa.
Schaeffer & Budenberg Mfg. Co. ("Gidding's" Traction Recording, etc.), Brooklyn, N. Y.
Sprague Electric Co. (Round Type), 527 W 34th, New York
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Ideal Electric Mfg. Co., Mansfield, O.
Jantz & Leist Electric Co., Cincinnati, O.
Jenny Electric Mfg. Co., Indianapolis, Ind.
Levett Mfg. Co., Matawan, N. J.
Lincoln Electric Co., Cleveland, O.
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PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
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(See Dynamos, Electro Plating)

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Butterworth & Lowe, Grand Rapids, Mich.
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Lane Mfg. Co., Montpelier, Vt.
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Lane Mfg. Co., Montpelier, Vt.

Edgers (Turf)
American Fork & Hoe Co., Cleveland, O.
Continental Tool Co. (Solid Steel Bronze Finish), Frankfort, N. Y.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Jackson Shovel & Tool Co., Montpelier, Vt.
Kohler, F. E. & Co., Canton, O.
Pittsburg Shovel Co., Frick bldg, Pittsburg, Pa.; Works: Leechburg, Pa.
Union Fork & Hoe Co. (Solid Steel Bronze Finish), Columbus, O

Eductors (Jet Water & Sand Lifting)
Schutte & Koerting Co., 1251 N 12th, Philadelphia, Pa.

*Eggs (Nest)
AMERICAN CRAYON CO. (Hygieia), Sandusky, O., & Waltham, Mass. (See adv. index, end of book)

Ejectors (Ash, Hydraulic)
Davidson, M. T. ("Davidson") 43 Keap, Brooklyn, N. Y.

Ejectors, Jet Pumps or Syphons
(See Injectors & Ejectors, Boiler)

Ejectors (Pneumatic)
MERRITT & CO., 1024 Ridge av, Phila., Pa. (See adv. index, end of book)
Shone Co. ("Shone"), 184 Blackhawk, Chicago, Ill.

*Ejectors (Sewage)
MERRITT & CO. ("Aerlock"), Front & Arch, Camden, N. J. (See adv. index, end of book)

Elaterite
(See Hydro Carbons)

Elbows (Boiler)
Brabler Mfg. Co. (with Union), Cleveland, O.

Elbows (Brass)
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
National Mfg. & Supply Co. ("National" Radiator Brass Elbows for Hot Water), Minneapolis, Minn.

Elbows (Cast or Malleable)
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
National Tube Co. (Drainage, Drop, Flanged, Long Radius), Pittsburg, Pa.
Ohio Brass Co., Mansfield, O.

*Elbows (Conductor Pipe)
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index, & branch offices, end of book)

Elbows (Plumbers' Rubber)
Climax Specialty Co. ("Climax" Adjustable), Elmira, N. Y.
Continental Rubber Works, Erie, Pa.
Glauber Brass Mfg. Co. ("Cut-Me-Off" Rubber Closet), Cleveland, O.
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.), Detroit, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Elbows (Union)
Capitol Brass Works, Detroit, Mich.
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Ohio Brass Co. ("Ohio"), Mansfield, O.
Williams, D. T., Valve Co., 410 E 8th, Cincinnati, O.

Elbows & Shoes (Conductor)
Berger Bros. Co., 231 Arch, Phila., Pa.
BERGER MFG. CO., THE, Canton, O. (See adv. index & branch offices, end of book)
Clark, Queen & Morse, Peoria, Ill.
Dieckmann, Ferdinand, Co., Cincinnati, O.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index, end of book)

Election Booths (Steel or Wood)
American Steel House Co., 796 11th av, New York
FOREST CITY STEEL & IRON CO. (Steel), 110th nr Detroit av, Cleveland, O. (See adv. index, end of book)
Van Dorn Iron Works Co., Cleveland, O.

Electric Bells
(See Bells, Electric)

Electric Blasting Apparatus
(See also Blasting Fuses, Caps, Etc.)
Aetna Powder Co. ("Lion"), 143 Dearborn, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
New York Powder Works, 55 Liberty, New York
Rendrock Powder Co., 11 B'way, New York
Rogers, Jno. M., Gloucester, N. J.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Electric Car Lighting Apparatus
(See Car Lighting Apparatus)

Electric Clocks
(See Clocks, Electric)

Electric Door Openers
(See Door Openers, Electric)

*Electric Elevator Signals
ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill.; 114 Liberty, New York, & 593 Market, San Francisco, Cal. (See adv. index & branch offices, end of book)

ELECTRIC SIGNALS
FOR
PASSENGER ELEVATORS
ELEVATOR SUPPLY & REPAIR CO.
114 LIBERTY ST. NEW YORK
76 W. MONROE ST. CHICAGO
593 MARKET ST., SAN FRANCISCO, CAL.

*Electric Fault Finders
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Electric Generators
(See Generators, Various Kinds)

Electric Lamps
(See Lamps, Various Kinds)

Electric Light Central Stations

ALABAMA.

ALBERTVILLE—Sand Mountain El. Co.
ALEXANDER CITY—Munic. Lt. & Wtr. W'ks
ANNISTON—Anniston Electric & Gas Co.
ATHENS—Munic. El. Lt. Plant
ATTALLA—Etawah Lt. & Pwr. Co.
AUDALUSIA—Audalusia Lt. & Wtr. Co
AVONDALE—Birmingham R'way, Lt. & P. Co.
BESSEMER—Birmingham Ry., Lt. & Pwr. Co.
BIRMINGHAM—Birmingham Ry., Lt. & P. Co.
BREWTON—Munic. Wtr. & El. Lt. Works
CARBON HILL—Munic. El. Lt. Plant
CENTERVILLE—Centerville Lt. Co.
CLANTON—Clanton Lt. & Pwr. Co.
CLAUTON—Clauton Lt. & Pwr. Co.
DECATUR—(See New Decatur)
DEMOPOLIS—Demopolis Elec. Lt. & P. Co.
ELBA—Pea River Pwr. Co.
ENTERPRISE—Enterprise El. Lt. & Pwr. Co.
EVERGREEN—Evergreen El. Lt. Plant
FLORALA—McClung, J. M. & Co., El. Lt. plant
FLORENCE—(See Sheffield)

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DOTHAN—Dothan El. Lt. & Wtr. Plant (City)
EAST LAKE—Birmingham Ry., Lt. & P. Co.
ENSLEY—Birmingham Ry., Lt. & P. Co.
EUFAULA—Eufaula Gas, Electric Light & Power Co.
EUTAW—Eutaw Water Works, E. & Power Co.
GADSDEN—Alabama Cy, Gadsden & Attalla Ry. Co.
GIBARD—See Columbus, Ga.
GREENSBORO—Greensboro Wtr. & Lt. Co.
GREENVILLE—Henderson Lt. & P. Co.
HARTFORD—Hartford Wtr. & Lt. Plant
HUNTSVILLE—Huntsville Ry., L. & Power Co.
JACKSON—Jackson Lt. & Pwr. Plant
JACKSONVILLE—Jacksonville El. Lt. & Pwr.
JASPER—Jasper Wtr., Lt. & Pwr. Co. Co.
LANETT—Lanett Cotton Mills
LUVERNE—Luverne El. Lt. Plant
MARION—Marion Lt. & Pwr. Co.
MOBILE—Mobile El. Co.
MONTGOMERY—Citizens' Lt., Ht. & P. Co.
Montgomery L. & Water Power Co.
West D. P. (Hotel Elec. Plant)
NEW DECATUR—Decatur L., Power & Fuel Co.
NORTH BIRMINGHAM—N. Birmingham El. Lt. Plant
OPELIKA—Alabama Electric Light & Power Co.
OXFORD—(See Anniston)
OZARK—City Elec. Lt. Plant (City)
PHOENIX CITY—(See Atlanta, Ga.)
PRATT CITY—Birmingham Ry. Lt. & P. Co.
PRATTVILLE—Prattville Light & Power Co.
ROANOKE—Roanoke El. Lt. & Wtr. Plant
SELMA—Selma Lighting Co.
SHEFFIELD—Sheffield Co.
SYLACAUGA—Sylacauga Wtr. Works & El. Lt. Plant
TALLADEGA—Alabama Pwr. Develop. Co.
TROY—Troy El. Lt. & Wtr. Plant
TUSCALOOSA—Tuscaloosa Ice & Lt. Co.
TUSKEGEE—Tuskegee El. Lt. Plant
UNION SPRINGS—Union Springs El. Lt. & Wtr. Plant
UNIONTOWN—Uniontown Lt. & Wtr. Plant

ALASKA TERRITORY.

DOUGLAS—(See Juneau)
JUNEAU—Alaska Elec. Lt. & Power Co.
KETCHIKAN—Citizens' Lt., Pwr. & Wtr. Co.
NOME—Nome El. Lt. & P. Co.
SEWARD—Seward Lt. & Pwr. Co.
SKAGWAY—Home Pwr. Co. (Inc.)
VALDEY—Alaska Wtr., Lt. & Tel. Co.

ARIZONA TERRITORY.

BISBEE—Bisbee Improvement Co.
CLIFTON—Shannon Copper Co.
CROWN KING—Crowned King Mining Co.
DOUGLAS—Douglas Implement Co.
FLAGSTAFF—Flagstaff Elec. Lt. Co.
GLOBE—Globe El. Lt. & Gas Co.
JEROME—United Verde Copper Co.
McCABE—McCabe Wtr., Lt. & Pwr. Co.
MESA—Consolidated Canal Co.
NOGALES—Nogales Elec. Lt., Ice & Water Co.
PHOENIX—Pacific Gas & El. Co.
PRESCOTT—Prescott Electric Co.
TEMPE—Tempe Pumping Co.
TUCSON—Tucson Gas, Electric Light & Power Co.
WILLIAMS—Grand Canyon Lt. & P. Co. Co.
WINSLOW—Winslow El. Lt. & Pwr. Co.
YUMA—Yuma El. & Wtr. Co.

ARKANSAS.

ARGENTA STATION—Argenta Lt. & P. Plant
ARKADELPHIA—Arkadelphia El. Lt. Co.
AUGUSTA—City Pwr. & Lt. Co.
BATESVILLE—Batesville Wtr. Wks. & El. Lt. Plant
BENTON—The Benton Lt., Pwr. & Ice Co.
BOONVILLE—Boonville Ice, Lt. & Cold Stor. Co.
BRINKLEY—Farrell, Light, Heat & Power Co.
CAMDEN—Camden Power & Light Co.
CLARENDON—Clarendon Electric Light & Ice
CONWAY—Conway Lt Plant Co.
DE QUEEN—De Queen Lt., Ice & Cold Stor. Co.
DES ARC—Planters' Cotton Oil Co.
DEVALL'S BLUFF—Devall Bluff El. Lt. Plant
ELDORADO—Eldorado Light & Power Co.
EUREKA SPRINGS—Citizens' Elec. Co.
FAYETTEVILLE—Fayetteville El. Lt. & P. Co.
FORDYCE—Fordyce Lt. & Wtr. Co.
FORREST CITY—Forrest City Wtr. & Lt. Co.
FORT SMITH—Ft. Smith Electrical Supply Co.
Ft. Smith Light & Traction Co.
HARRISBURG—Harrisburg El. Lt. & P. Co.
HARRISON—Harrison Elec. Light & Ice Co.
HELENA—Helena Gas Co.
HOPE—City Wtr. & El. Lt. Plant.
HOT SPRINGS—Hot Springs Water Co.
JONESBORO—Jonesboro Water & Light Co.
LITTLE ROCK—City El. Lt. Plant
LONAKE—Lonake El. Lt. Plant
LUXORA—Luxora Wtr. & Lt. Co.
MAGNOLIA—Magnolia Ice & Lt. Co.
MALVERN—Malvern Light & Power Co.
MAMMOTH SPRING—Mammoth Spring Elec. Light Co.
MARIANNA—Marianna Lt. & Pwr. Co.
MENA—Mena El. Lt. & Pwr.
MONTICELLO—City Wtr. & Lt. Plant (City)
MORRILTON—Ashley El. Lt. Co.
NEWPORT—Pond & Decker Electric Light Co.
OSCEOLA—Osceola El. Plant
OZARK—Altus Gin Mfg. & Imp. Co.
PARAGOULD—Crystal Ice Co.
PINE BLUFF—Pine Bluff Light & Water Co.
Citizens' Lt. & Transit Co.
POCAHONTAS—Pocahontas Ice & Power Co.
PRESCOTT—Prescott Wtr. & Lt. Plant (City)
RECTOR—Proctor Box & Crate Co.
ROGERS—Rogers Lt. & Wtr. Co.
RUSSELVILLE—Mchts. Lt. & Cold Stor. Co.
SEARCY—City El. Lt. Plant Distr. No. 1 (City)
SILOAM SPRINGS—City El. Plant (Munic.)
STUTTGART—Stuttgart Water & Elec. Lt. Co.
TEXARKANA—Texarkana Gas & Elec. Lt. Co.
VAN BUREN—Van Buren El. Lt. & P. Co.
WALNUT RIDGE—Walnut Ridge & Hoxie Lt., Pwr. & Transit Co.
WARREN—Warren Lt. & Wtr. Co.
WYNNE—Wynne Lt. & Wtr. Works

CALIFORNIA.

ALAMEDA—City El. Lt. Plant (City)
ANAHEIM—Anaheim El. Lt. Plant
ANGELS CAMP—Angels El. Lt. & Pwr. Co.
ARCATA—Arcata Lt. & Pwr. Co.
AUBURN—Bell Electric Co.
AVALON—Santa Catalina Island Co.
AZUSA—Azusa El. Lt. Plant
BAKERSFIELD—Power, Transit & Light Co.
BENICIA—Solano Elec. Lt. & Gas Co.
BERKELEY—Berkeley Electric Lighting Co.
BIGGS—Biggs El. Lt. Plant
BISHOP—Bishop Light & Power Co.
BLACK DIAMOND—Redwood Mfg. Co.
BOULDER CREEK—Boulder Creek Electric Light & Power Co.
CALISTOGA—Napa Val. Pwr. Co.
CASPAR—Mendocino El. Lt. & Pwr. Co.
CEDARVILLE—Surprise Val. El. Lt. & Pwr.
CHICO—Chico Gas & Electric Co. Co.
CLOVERDALE—Cloverdale Lt. & Pwr. Co.
COLTON—City Elec. Light Plant (City Power)
COLUMBIA—(See Sonora)
COLUSA—Colusa Gas & El. Co.
COMPTON—Compton El. Lt. & Pwr. Co.
CORNING—Northern California Pwr. Co.
CORONA—Corona Gas & Elec. Light Co.
CORONADO—Coronado Beach Co.
COTTONWOOD—Northern California Pwr. Co.
CRESCENT CITY—Crescent City Light, Water & Power Co.
CROCKETT—Contra Costa El. Lt. & Pwr. Co.
DAVENPORT—Davenport Lt. & Pwr Co.
DIXON—Dixon El. Pwr. & Wtr. Co.
DUNSMUIR—Dunsmuir El. Lt. Plant
EMERYVILLE—Oakland Gas, Lt. & Heat Co.
EUREKA—Eureka Lighting Co.
North Mountain Pwr. Co.
EXETER—(See Visalia)
FAIRFIELD—Suisun Lt. & Pwr. Co.
FERNDALE—Ferndale Elec. Lt. Co.
FORREST HILL—Forrest Hill El. Co.
FORT BRAGG—Fort Bragg El. Co.
FORTUNA—Fortuna Lt. Co.
FRESNO—San Joaquin Lt. & Pwr. Co.
FULLERTON—Edison El. Co., of Los Angeles
GALT—(See Stockton)
GLENDORA—Glendora Lt. & Pwr. Co.
GRASS VALLEY—(See Nevada City)
GRIDLEY—Gridley El. Lt. & Pwr. Co.
HANFORD—Lacey Co., H. G.
HAYWARDS—Suburban El. Lt. Co.
HEALDSBURG—Healdsburg El. Lt. & Water W'ks
HEMET—Hemet Milling & Pwr. Co.
HOLLISTER—Hollister Lt. & Power Co.
HOLTVILLE—Holton Pwr. Co.
JACKSON—The Amador El. Ry. Co.
KESWICK—Northern California Pwr. Co.
KNIGHTS FERRY—Stanislaus Milling Co.
LAKEPORT—Lake County El. Pwr. Co.
LATON—San Joaquin Lt. & Power Co.
LEMOORE—Lemoore El. Lt. & Wtr. Works
LINCOLN—Lincoln El. Pwr. Co.
LINDSAY—(See Visalia)
LITTLE RIVER—Mendocino Lt. & Pwr. Co.
LIVERMORE—Livermore Water & Power Co.
LODI—Lodi El. Lt. Plant
LONG BEACH—Edison Electric Co., Los Angeles
LOOMIS—(See Sacramento)
LOS ANGELES—Edison Electric Co., 124 E 4th
Los Angeles Gas & Electric Co., 645 S Hill
LOS BANOS—Los Banos El. Lt. Plant
LOS GATOS—El. Light, Ice & Power Co.
LOYALTON—Loyalton El. Lt. Co.
MADERA—Madera Electric Co.
MARE ISLAND—Navy Yard El. Lt. Plant
MARTINEZ—Contra Costa El. Lt. & Pwr. Co.
MARYSVILLE—Marysville Gas & El. Co.
MENDOCINO—Mendocino El. Lt. & Pwr. Co.
MERCED—Merced Falls Gas & Electric Co.
MODESTO—Consolidated Stanislaus Wtr. & Pr.
MONROVIA—Edison Electric Co. Co.
MONTEREY—Monterey County Gas & Electric
MOUNT BULLION—Mariposa Com. & Min. Co.
NAPA—California Gas & Electric Co.
NEVADA CITY—Nevada County Gas & Electric
NEW CASTLE—(See Sacramento) Co.
NEWMAN—Newman Lt. & Pwr. Co.
OAKDALE—Stanislaus Milling & Pwr. Co.
OAKLAND—Oakland Gas Light & Heat Co.
OCEAN PARK—Edison Electric Co.
ONTARIO—Ontario Pwr. Co.
OROVILLE—Oroville Light & Power Co.
OXNARD—Ventura County Pwr. Co.
PACIFIC GROVE—(See Monterey)
PALO ALTO—Palo Alto Lt. Co. (City)
PASADENA—Edison Electric Co.
PASO ROBLES—Paso Robles El. Lt. & Wtr. Co.
PETALUMA—Petaluma Gas & El. Lt. Co.
PLACERVILLE—Am. River El. Co.
PLEASANTON—(See Livermore Water & Power Co., livermore)
POINT RICHMOND—Richmond Lt. & P. Co.
POMONA—Edison Elec. Co. of Los Angeles
PORT COSTA—Contra Costa El. Lt. Co.
PORTERVILLE—Mt. Whitney Pow. Co.
RED BLUFF—Northern California Pwr. Co. (See San Francisco)
Red Bluff Electric Power Co.
REDDING—Northern Cal. Power Co.
REDONDO—Beach El. Co.
REDLANDS—Home Gas & El. Co.
REDWOOD CITY—United Gas & Electric Co.
RICHMOND—Richmond Lt. & Pwr. Co.
RIO VISTA—Rio Vista El. Lt. Co.
RIVERSIDE—City Elec. Lt. Dept.
ROCKLIN—California Gas & El. Corp.
SACRAMENTO—California Gas & El. Corp.
Sacramento Electric, Gas & R'y Co.
ST. HELENA—St. Helena Gas & El. Co.
SALINAS—Monterey Gas & El. Co.
SAN BERNARDINO—Lytle Creek Pwr. Co.
SAN DIEGO—San Diego Gas & Elec. Light Co.
SAN FRANCISCO—California Gas & Electric Corporation
Central Light & Power Co., Parrott bldg
City El. Co., 347 Grand av.
Consolidated Heat, Lt. & Pwr. Co., 333 Kearney
Consumers Lt. & Pwr. Co., 1122 Market
Mutual Electric Light Co., 627 Howard
Northern California Pwr. Co.
Pacific Gas & El. Co., 925 Franklin
Pacific Lighting Co., 502 California
San Francisco Gas & Electric Co., 415 Post
Stanislaus El. Pwr. Co., Kahl bldg
The Standard El. Co. of Cal.
SANGER—Sanger Light & Power Co.
SAN JACINTO—San Jacinto El. Lt. Plant
SAN JOSE—United Gas & Elec. Co.
SAN LEANDRO—Suburban El. Lt. Co.
SAN LUIS OBISPO—San Luis Obispo Gas & El. Co.
SAN MATEO—United Gas & El. Co.
SAN PABLO—Richmond Lt. & Pwr. Co.
SAN PEDRO—The Edison El. Co., Los Angeles
SAN RAFAEL—San Rafael Gas & El. Lt. Co.
SANTA ANA—The Edison El. Co., Los Angeles
SANTA BARBARA—Merchants Mutual Lt. & Pwr. Co.
The Edison El. Co., Los Angeles
SANTA CLARA—City Elec. Lt. Plant (City)
SANTA CRUZ—Big Creek Co. (Power Only)
City El. Plant (City)
Santa Cruz El. Lt. & P. Co.
Co-operative Elec. Co.
SANTA MARIA—Santa Maria El. & Gas Co.
SANTA MONICA—Edison El. Co., Los Angeles
SANTA PAULA—Ventura County Pwr. Co.
SANTA ROSA—Santa Rosa Lighting Co.
SAUSALITO—Sausalito El. Lt. Co.
SEBASTAPOL—City Lt., Wtr. & Pwr. Co.
SELMA—San Joaquin Lt. & P. Co. (Fresno)
SHASTA—Northern Calif. Pwr. Co. (San Francisco)
SIERRA CITY—Sierra City Lt. Co.
SISSON—Sisson El. Lt. Plant
SONOMA—Sonoma Valley Co.
SONORA—Tuolumne County Water & Electric Tuolumne El. Pwr. & Lt. Co. Pwr. Co.
SOULSBYVILLE—Soulsbyville El. Lt. Co.
SOUTH PASADENA—(See Pacific Lt. & Pwr. Co., Los Angeles)
SOUTH SAN FRANCISCO—South San Francisco P. & Lt. Co.
STOCKTON—Stockton Gas & Electric Co.
American River El. Co.
SUISUN—Suisun Electric Light & Power Co.
SUSANVILLE—Lassen Wtr., Lt. & Pwr. Co.
SUTTER CREEK—Amador Elec. Ry. & Light Co.
TEHAMA—Northern Calif. Pwr. Co. (San Francisco)
TRACY—Mt. Diablo Lt. & Pwr. Co.
TRUCKEE—Truckee Elec. Light & Power Co.

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TULARE—Tulare Gas Co.
TUOLUMNE—West Side Lumber Co.
UKIAH—Ukiah City El. Lt. Plant (City)
VACAVILLE—Vacaville Water & Light Co.
VALLEJO—Vallejo Electric Light & Power Co.
VENTURA—Ventura County Pwr. Co.
VISALIA—Mount Whitney Power Co.
WATSONVILLE—Watsonville Water & Light
WEAVERVILLE—Weaverville Elec. Co. Co.
WHITTIER—Edison El. Co. (Los Angeles)
WILLITS—Willits Wtr. & Pwr. Co.
WILLOW—Willow Water & Light Co.
WOODLAND—Woodland Gas & El. Co.
YREKA—Siskiyou El. Pwr. Co.
YUBA—Marysville Gas & El. Co.

COLORADO.

AGUILAR—Aguilar Lt. & Pwr. Co.
ALAMOSA—The Mutual El. Lt. & Pwr. Co.
ANACONDA—Gold Belt. Cons. El. Co.
ASPEN—Roaring Fork Electric Light & Power
BERTHOUD—Northern Colo. Pwr. Co. Co.
BLACK HAWK—Gilpin Co. Light, Heat & Power Co.
BOULDER—Boulder El. Lt. & Pwr. Co.
BRECKENRIDGE—Goldpan Eng., Mine & Supply Co.
BRUSH—Brush El. Lt., Fuel & Pwr. Co.
BUENA VISTA—Buena Vista El. Lt. & Pwr. Plant
CANON CITY—The Colorado Lt. & P. Co.
CENTRAL CITY—The Gilpin County Lt., Ht. & P. Co.
COLORADO CITY—Colorado Springs El. Ct. (Colorado Springs)
COLORADO SPRINGS—Central Colo. Pwr. Co.
Colorado Springs Electric Co.
Pike's Peak Hydro. El. Co.
CRESTED BUTTE—Crested Butte Light & Water Co.
CRIPPLE CREEK—Gold Belt Consol. El. Co.
DEL NORTE—Town of Del Norte El. Wks.
DELTA—Delta El. Lt. Co.
DENVER—Colorado Fuel & Iron Co. (For Their Own Works)
Denver Gas & Electric Co.
Denver Highlands El. Co.
Lacombe Electric Co., 1532 Stout
Nevada Calif. Pwr. Co.
New Century Lt. & Pwr. Co.
Northern Colo. Pwr. Co.
Summit County Pwr. Co.
United States Lt. & Traction Co.
DURANGO—Standard Lt., Pwr. & Wtr. Co.
The Animas Canal Power & Water Co.
EMPIRE—Silver Mountain M. M. Co.
ERIE—Erie El. Lt. Plant
FLORENCE—Arkansas Valley Elec. Co.
FORT COLLINS—The Larimer Light & P'r Co.
FORT MORGAN—Fort Morgan Lt. & Wtr. Plant
GEORGETOWN—United Hydro El. Co.
GLENWOOD SPRINGS—Glenwood Light & Water Co.
Colorado Pwr. & Irrigation Co.
GOLDEN—Golden Illuminating Co.
GOLDFIELD—The Gold Belt Consol. El. Co.
GRAND JUNCTION—Grand Junction El., Gas & Mfg. Co.
Red Lands Irrigation & Pwr. Co.
GREELEY—Northern Colo. Pwr. Co.
Home El. Lt. & Pwr. Co.
GUNNISON—Gunnison Gas & Water Co.
HOTCHKISS—Hotchkiss Pak'g & Pwr. Co.
IDAHO SPRINGS—The United Hydro El. Co.
Gem Leasing Co.
LAFAYETTE—Northern Colo. Pwr. Co.
LA JUNTA—La Junta Electric Co.
LAKE CITY—Hinsdale Mining & Develop. Co.
LAMAR—Lamar El. Co.
LAS ANIMAS—Las Animas El. Co.
LEADVILLE—Leadville Lt. & Pwr. Co.
LITTLETON—Arapahoe El. Lt. & Power Co.
LONGMONT—Northern Colo. Pwr. Co.
LOUISVILLE—Consumers El. Co.
LOVELAND—Loveland Lt., Heat & Power Co.
LYONS—Rocky Mountain Hydro. El. Co.
MANCOS—Mancos El. Co.
MANITOU—Manitou Electric Co.
MEEKER—Meeker Lt. Heat & Pwr. Co.
MONTCLAIR—Montclair El. Lt. Co.
MONTE VISTA—Monte Vista El. & Gas Lt. Co.
MONTROSE—Montrose El. Lt. & P. Co.
OURAY—Colorado-Wyoming El. Co.
PAGOSA SPRINGS—Pagosa Springs. El. Lt. & Pwr. Co.
PALISADES—Palisades Lt., Heat. & Pwr. Co.
PAONIA—Paonia El. Lt. Plant
PUEBLO—Pueblo & Suburban Traction & Ltg.
RICO—United Rico Mines Co. Co
ROCKY FORD—Rocky Ford El. Co.
SALIDA—The Salida Lt., Pwr. & Utility Co.
SILVER PLUME—(See Georgetown)
SILVERTON—Silverton City El. Lt. Plant (City)
STEAMBOAT SPRINGS—Steamboat Springs El. Co.
TELLURIDE—Telluride Electric Light & Power
The Telluride Power Co. Co
TRINIDAD—Southern Colo. Pwr. & Ry. Co.
VICTOR—The Pueblo & Suburban Trac. & Ltg.
The Gold Belt Consolidated El. Co. Co
WALSENBERG—Walsenberg Lt., P. & Ice Co.

CONNECTICUT.

ANSONIA—Derby Gas Co.
BALTIC—Baltic Mills Co.
BRANFORD—The Connecticut Co.
BRIDGEPORT—The Connecticut Co.
United Illuminating Co., 148 John
BRISTOL—Bristol & Plainville Tramway Co.
CANAAN—Berkshire Pwr. Co.
DANBURY—Danbury & Bethel Gas & Electric Lighting Co.
DANIELSON—People's Light & Power Co.
DERBY—Derby Gas Co.
EAST HAMPTON—East Hampton El. Lt. Co.
EAST NORWALK—E. Norwalk El. Lt. Plant
GAYLORDSVILLE—New Milford Pwr. Co.
GLASTONBURY—Glastonbury Pwr. Co.
GREENWICH—The Connecticut Co.
GROTON—Groton El. Lt. Plant
GUILFORD—(See Branford)
HARTFORD—Farmington River Power Co.
Hartford Electric Light Co.
JEWETT CITY—Borough El. Lt. Plant (City)
LITCHFIELD—Litchfield El. Lt. & Pwr. Co.
MANCHESTER—Glastonbury Pwr. Co.
MERIDEN—Meriden Electric Light Co.
MIDDLETOWN—Middletown Elec. Light Co.
MILFORD—The Connecticut Co.
MYSTIC—Mystic Pwr. Co.
NAUGATUCK—Consolidated Ry. Co.
NEW BRITAIN—The Connecticut Co.
NEW CANAAN—The Connecticut Co.
NEW HAVEN—United Illuminating Co.
NEW LONDON—New London Gas & Electric
New Milford Pwr. Co. Co.
The Connecticut Co. Co.
NEW MILFORD—New Milford Electric Light
NOANK—Mystic El. & Gas Lt. Co. Co.
NORWALK—The Connecticut Co.
NORWICH—City Electric Light Plant (City)
PUTNAM—Putnam Light & Power Co.
RIDGEFIELD—Ridgefield El. Co.
ROCKVILLE—Rockville Gas & Electric Co.
SEYMOUR—Seymour Electric Light Co.
SHARON—Berkshire Power Co.
SHELTON—Derby Gas Co. (Derby)
SIMSBURY—Simsbury El. Co.
SOUTH MANCHESTER—S. Manchester L., P. & T. Co.
SOUTH NORWALK—The Connecticut Co.
South Norwalk Electric Light Works (City)
STAFFORD SPRINGS—Stafford Springs Electric Light Co.
STAMFORD—Stamford Gas & Electric Co.
STONY CREEK—(See Branford)
STONINGTON—(See Mystic)
STRATFORD—United Illum. Co. (Bridgeport)
SUFFIELD—The Connecticut Co.
THOMASTON—Thomaston Electric Light Co.
THOMPSONVILLE—Northern Conn. Lt. & Pwr. Co.
TORRINGTON—Torrington El. Lt. Co.
UNIONVILLE—Union El. Lt. & Pwr. Co.
WALLINGFORD—Borough Electric Works
WATERBURY—The Connecticut Co.
WESTPORT—Westport Wtr. Co.
WEST WINSTED—Winsted Gas Co.
WILLIMANTIC—Willimantic Gas & Electric Light Co.
WINDSOR—The Hartford Electric Light Co.
WINDSOR LOCKS—Northern Connecticut Lt.
WINSTED—Winsted Gas Co. & Pwr. Co.
WOODBURY—Woodbury Electric Co.
WOODSTOCK—Putnam Lt. & Pwr. Co.

DELAWARE.

DELMAR—Laurel-Seaford El. Co. (Laurel)
DOVER—City Electric Light Plant
GEORGETOWN—Georgetown Lt., H. & P. Co.
LAUREL—Laurel-Seaford Electric Co.
LEWES—Lewes El. Lt. Plant
MIDDLETOWN—Middletown Lt. & Wtr. Plant
MILFORD—Milford Light & Water Plant (City)
NEWARK—El. Lt. & Water Plant (Munic.)
SEAFORD—Laurel-Seaford El. Lt. Co.
SMYRNA—Smyrna Electric Light Plant (Munic.)
WILMINGTON—Wilmington City El. Co.
Wilmington Light, Power & Telephone Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Potomac Electric Power Co. 213 14th N W
Southern Public Corporation (Office, Bond bldg)
Washington Ry. & El. Co.

FLORIDA.

APALACHICOLA—Apalachicola Electric Light & Telephone Co.
ARCADIA—Arcadia Electric Light, Ice & Telephone Co.
BAGDAD—Stearns & Culver Lumber Co.
BARTOW—Bartow Electric Plant (Munic.)
BRADENTOWN—Manatee Lt. & Traction Co.
CLEARWATER—Clearwater Ice Factory
DAYTONA—The Adam Schantz Co.
DE LAND—De Land El. Lt. & Ice Co.
DUNNELLON—Dunnellon El. Lt. Plant
FERNANDINA—City of Fernandina Lighting Plant (City)
FORT MEYERS—Seminole Power & Ice Co.
GAINSVILLE—Gainesville Gas & El. Pwr. Co.
JACKSONVILLE—A. A. Kind El. Co.
Jacksonville El. Co.
Jacksonville El. Lt. Plant (City)
KEY WEST—Key West Electric Co.
KISSIMMEE—Kissimmee El. Lt. Plant (City)
LAKE CITY—Lake City Water & Light Plant
LAKELAND—Lakeland Electric Light Plant
MADISON—Madison El. Pwr. Co. (Munic.)
LIVE OAK—Live Oak Mfg. Co.
MIAMI—East Coast Hotel Co.
MONTICELLO—Montecello Pwr. Co.
MULBERRY—Mulberry El. Co.
OCALA—Ocala Electric Light Plant (City)
ORLANDO—Orlando Wtr. & Lt. Co.
PALATKA—Palatka Gas Light & Fuel Co.
PENSACOLA—Pensacola El. Co.
PLANT CITY—Plant City Ice & Pwr. Co.
PORT TAMPA CITY—Port Tampa Light & Power Co.
QUINCY—Quincy Electric Light & Ice Co.
City Electric Light & Water Plant (City)
ST. AUGUSTINE—St. Johns Lt. & Pwr. Co.
ST. PETERSBURG—St. Petersburg Investment Co.
SOUTH JACKSONVILLE—Florida East Coast R. R. Co.
STARKE—City Electric Light & Water Plant (City)
TAMPA—Tampa El. Co.
TALLAHASSEE—City El. Lt. Plant (City)
TITUSVILLE—Titusville Electric Light Co.
WEST PALM BEACH—Arlston Ice & El. Co.
WEST TAMPA—El. Lt. & Water Plant (City)

GEORGIA.

ABBEVILLE—Abbeville El. Lt., Wtr. & Pwr.
ACWORTH—Acworth El. Lt. Plant Co.
ALBANY—City Electric Works (City)
Albany Power & Mfg. Co.
AMERICUS—Americus Illuminating & Power Co.
ARLINGTON—Arlington Lt. & Pwr. Co.
ATHENS—Athens Electric Railway Co.
ATLANTA—Georgia Railway & Electric Co.
AUGUSTA—Augusta-Aiken Ry. & El. Co.
Augusta Ry. & El. Co.
BAINBRIDGE—Bainbridge El. Lt. Plant (City)
BARNESVILLE—City Elec. Light Plant (Munic.)
BLAKELY—Blakely Lt. & Wtr. Plant
BLUE RIDGE—Blue Ridge El. Lt. & Pwr. Co.
BRUNSWICK—Mutual Light & Water Co.
CAIRO—Cairo Lt. & Wtr. Works
CAMILLA—Camilla Light & Water Works Dept.
CARROLTON—Carrollton Electric Co. (City)
CARTERSVILLE—Cartersville Lt. & Pwr. Co.
CEDARTOWN—Water & Light Dept. (City)
COCHRAN—City Electric Plant (City)
COLUMBUS—Columbus El. Co.
Columbus Pwr. Co.
COMMERCE—Harmony Grove Mills
CONYERS—Panola Lt. & Pwr. Co.
CORDELE—Citizens' Electric Light & Power Co.
CORNELIA—Wofford Shoals Lt. & Pwr. Co.
COVINGTON—City Electric Light Plant (City)
CUTHBERT—City El. Lt. & Water Plant (City)
DAHLONEGA—The Wtr. Pwr. & Mining Co.
DALLAS—Dallas Lt. & Pwr. Co.
Paulding Co. El. Co.
DALTON—City Electric Light Plant (Munic.)
DAWSON—Dawson Electric Light Plant (City)
DECATUR—Decatur El. Lt., P. & Water Co.
DOUGLAS—Douglas El. Lt. & Wtr. Plant
DUBLIN—Dublin Light & Water Works (City)
EASTMAN—Eastman Electric Light Plant (City)
EAST POINT—College Park El. Lt. Co.
ELBERTON—City Electric Light Plant (City)
FITZGERALD—Water & Light Plant (City)
FORSYTHE—Forsythe El. Lt. Plant
FORT VALLEY—City Water & El. Lt. (Plant)
GAINESVILLE—City Electric Light Plant
GRIFFIN—City Light & Water Works (City)
Towaliga Falls Power Co.
HARTWELL—City Electric Light Plant
HAWKINSVILLE—Hawkinsville Cotton Mill
HOGANSVILLE—Hogansville El. Lt. Plant
JESSUP—Jessup Mfg. Co.
LA GRANGE—La Grange El. Lt. Plant
LAWRENCEVILLE—City Electric Light Plant
McRAE—City El. Lt. Plant
MACON—Central Georgia Pwr. Co.
Macon Gas Lt. & Wtr. Co.

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MADISON—City Electric Light Plant
MARIETTA—Georgia Mfg. & Public Service Co.
MILLEDGEVILLE—Milledgeville El. Lt. Co.
MONROE—City Water & Electric Light Plant
MONTEZUMA—Montezuma Mfg. Co.
MONTICELLO—City El. Lt. Plant
MOULTRIE—City Electric Light Plant
NEWNAN—Newnan Light Plant (City)
OCILLA—City Wtr. & Lt. Plant
PELHAM—City Wtr. & Lt. Plant
QUITMAN—Quitman Electric Light Plant (City)
ROME—Rome Ry. & Lt. Co.
SANDERSVILLE—City Wtr. & Lt. Plant
SAVANNAH—Savannah Electric Co.
STATESBORO—City El. Lt. & Wtr. Works
SWAINSBORO—Swainsboro Gin & Warehouse
TENNILE—City El. Lt. Plant Co.
THOMASTON—Municipal Electric Light Plant
THOMASVILLE—Thomasville Electric Light Plant (Munic.)
THOMSON—City El. Lt. Plant
TIFTON—Tifton Ice & Power Co.
TOCCOA—Toccoa Falls Lt. & Pwr. Co.
VALDOSTA—Valdosta Ice & Mfg. Co.
VIDALIA—City Lt. & Wtr. Plant
WASHINGTON—City El. Lt. Plant
WAY CROSS—The Way Cross El. Lt. & P. Co.
WAYNESBORO—Waynesboro Electric Light & Water Works Co.
WEST POINT—City Elec. Light Plant (City)
WHITEHALL—El. Lt. & Pwr. Plant
WINDER—City Electric Light Plant
WRIGHTSVILLE—Wrightsville El. Lt. Co.

HAWAII.

HILO—Hilo El. Lt. Co. (Ltd.)
HONOLULU—Government Electric Light System
Hawaiian Electric Co. (Ltd.)
Kauai Electric Co. (Ltd.)

IDAHO.

BLACKFOOT—Idaho Consol. Pwr. Co.
BLOOMINGTON—Bear Lake Valley & El. Co.
BOISE—Barber El. Pwr. Co.
Capital Electric Light, Motor & Gas Co.
Electric Power Co. (Ltd.)
Idaho-Oregon Lt. & Pwr. Co.
BONNERS FERRY—Bonner Watr. & Lt. Co.
BURKE—Canyon Creek El. Co. (Ltd.)
CALDWELL—Caldwell Pwr. Co.
COEUR D'ALENE—Consumers' Co.
GRANGEVILLE—City El. Lt. & Pwr. Co.
HAILEY—Cramer El. Co.
HARRISON—Harrison Lumber & Box Co.
IDAHO FALLS—City El. Lt. Plant
Idaho Pwr. & Trans. Co. (Ltd.)
KELLOGG—Bunker Hill & Sullivan Min. & Cons. Co.
LEWISTON—Lewiston-Clarkson Co.
MALAD CITY—Idaho Lt. & Pwr. Co.
MONTPELIER—Bear Lake Valley Ry. & El. Co.
MOSCOW—Idaho-Washington Lt. & Pwr. Co.
MULLAN—Mullan Electric Light & Power Co.
PAYETTE—Idaho Lt. & Pwr. Co.
Payette Lt. & Pwr. Co.
POCATELLO—Idaho Consol. Pwr. Co.
RATHDRUM—A. O. Skinner El. Lt. & P. Co.
SALMON—El. Lt. Plant
SAND POINT—Pend d'Oreille El. Co.
SHOSHONE—Shoshone Lt. & Wtr. Co.
TWIN FALLS—Great Shoshone & Twin Falls Pwr. Co.
WALLACE—Wallace Light & Power Co.
WARDNER—Bunker Hill & Sullivan Mining & Construction Co.
WEISER—Electric Light Plant (City)

ILLINOIS.

ABINGDON—Abingdon Electric Co.
ALEDO—Belton El. Lt. Co.
ALEXIS—Alexis El. Lt. Co.
ALTAMONT—City El. Lt. Plant
ALTON—Alton Gas & Electric Co.
AMBOY—Amboy Lighting & Power Co.
ANNA—Fruit Growers' Refrig. & Pwr. Co.
Fruit Growers' Refrig. & Power Co.
ARCOLA—City El. Lt. Plant
ASHLAND—City El. Lt. Plant
ASHLEY—City El. Lt. Plant
ASSUMPTION—Consol. El. & Mfg. Co.
ASTORIA—Astoria El. Lt. & Heat Co.
ATHENS—Athens El. Plant
ATKINSON—City El. Lt. Plant
ATLANTA—Atlanta Elec. Light & Power Co.
AUBURN—City El. Lt. Co.
AURORA—Aurora City El. Lt., Ht. & Pwr. Co.
Western United Gas & El. Co.
AUSTIN—(See Oak Park)
AVON—Avon Milling & Mfg. Co.
BARRINGTON—Barrington El. Lighting Co.
BARRY—Barry El. Plant
BATAVIA—City of Batavia El. Lt. & Wtr. Pl
BEARDSTOWN—Beardstown El. Lt. & P. Co
BELLEVILLE—St. Clair County Gas & El. Co.
BELVIDERE—Public Service Operating Co.
BEMENT—Bement Electric Light & Power Co
BENTON—City El. Lt. Plant (city).
BERWYN—Village El. Lt. Plant (city).
BLANDINSVILLE—Blandinsville Roller Mills Co.
BLOOMINGTON—Bloomington & Normal Ry. & Lt. Co.
City Electric Light Plant (city).
Union Gas & Electric Co.
BLUE ISLAND—City El. Lt. Plant (Munic.)
BRADFORD—Bradford Electric Light Co.
BRAIDWOOD—Electric Light Plant (City)
BUNKER HILL—City El. Lt. Plant
BUSHNELL—Bushnell Elec. Lt. & Pwr. Co.
CAIRO—Cairo El. & Traction Co.
CAMBRIDGE—Cambridge Electric Lt. & P. Co.
CAMP POINT—The Camp Point Elec. Light & Power Co.
CANTON—Canton Gas & El. Co.
CARBONDALE—Citizens Wtr. Lt. & Pwr. Co.
CARLYLE—City El. Lt. Plant
CARLINVILLE—Carlinville Gas & Electric Light Works
CARMI—City Electric Light Plant (city).
CARPENTERSVILLE—Citizens Lt. Heat & Pwr. Co. (Dundee)
CARROLLTON—Carrollton Ht., Lt. & Power Co
CARTERVILLE—Hope El. Lt. Plant
CARTHAGE—Carthage El. Lt. & Power Co.
CASEY—City El. Lt. Plant
CENTRALIA—Centralia Gas & El. Co.
CERRO GORDO—U. M. Rader Co.
CHAMPAIGN—Urbana & Champaign Ry., Gas & Electric Co.
CHANDLERVILLE—City El. Lt. Plant
CHARLESTON—Charleston Illg. Co.
CHATSWORTH—Chatsworth El. Lt. Plant.
CHENOA—City El. Lt. Plant
CHESTER—Chester Lt. & Ice Co.
CHICAGO—Commonwealth Edison Co., 139 Adams
City El. Lt. Plant
Lincoln Park Commissioners
South Park Commissioners
West Chicago Park Commissioners
CHICAGO HEIGHTS—North Shore Electric Co
CHILLICOTHE—Chillicothe Wtr. Lt. & P. Co.
CHRISMAN—Light & Wtr. Co.
CISSNA PARK—Cissna Park Ltg. Co.
CLAY CITY—City El. Lt. Plant
CLAYTON—Clayton Village El. Lt. Plant.
CLINTON—Clinton Gas & El. Co.
COAL CITY—City El. Lt. Plant (City)
COLCHESTER—Colchester E. L. & Pr. Co.
COLFAX—Electric Light Plant.
COLLINSVILLE—Collinsville El. Lt., Heat & Pwr. Co.
COLUMBIA—El. Lt. Plant (City)
CORNELL—Cornell El. Lt. Plant
COULTERVILLE—El. Lt. & Power Co.
COWDEN—City El. Lt. Plant
CUBA—City El. Lt. Plant
DALLAS CITY—Dallas City Lt. Co.
DANVILLE—Danville Street Ry. & Light Co.
DECATUR—Decatur El. Lt. Plant (City)
Decatur Ry. & Ltg. Co.
DE KALB—De Kalb-Sycamore Electric Co.
DELAVAN—Royal Electric Light & Power Co.
DESPLAINES—North Shore El. Co.
DIXON—Lee County Ltg. Co.
DOWNERS GROVE—City El. Lt. & Wtr. Wks
DUNDEE—Citizens' Light, Heat & Power Co.
DWIGHT—Dwight Electric Light Plant
EARLVILLE—Earlville El. Lt. & Pwr. Co.
EAST DUBUQUE—City El. Lt. Plant
EAST ST LOUIS—Citizens' El. Lt. & Pwr. Co.
EDINBURG—Edinburg Lt., Heat & Pwr. Co.
EDWARDSVILLE—Madison County Lt. & Pr. Co.
EFFINGHAM—Effingham El. Lt. & Pwr. Co.
ELGIN—Aurora, Elgin & Chicago R. R. Co.
City of Elgin El. Lt. Plant (City)
Elgin Merchants' Lt. Co
ELMHURST—North Shore El. Co.
ELMWOOD—Elmwood El. Lt. Co.
EL PASO—El Paso El. Lt. Co.
EUREKA—Eureka El. Lt. Plant.
EVANSTON—North Shore El. Co.
FAIRBURY—Fairbury El. Lt., Ht. & Pr. Co.
FAIRFIELD—Fairfield El. Lt. Plant (City)
FARMER CITY—City El. Lt. Plant (City)
FARMINGTON—Farmington Elec. Light Co.
FLORA—City El. Lt. Plant (Munic.)
FORRESTON—Forreston El. Lt. Plant
FREEBURG—City El. Lt. Plant
FREEPORT—Freeport Railway Lt. & Pr. Co.
FULTON—Fulton El. Lt. & Pwr. Co.
GALENA—Galena El. Lt. & Pwr. Plant
GALESBURG—Galesburg City El. Lt. Plant (City)
Galesburg Ry. & Lt. Co.
GALVA—City El. Lt. Plant (City)
GARDNER—Anderson, Christian.
GENESEO—Geneseo Electric Light Co.
GENEVA—City of Geneva Electric Light & Waterworks
GENOA—Genoa Electric Light Co.
GEORGETOWN—Georgetown El. Co.
GIBSON CITY—Gibson El. Lt. & Pwr. Co.
GILLESPIE—United El. Lt. & Pwr. Co.
GILMAN—Gilman El. Lt. Plant
GIRARD—City El. Lt. Plant
GOLCONDA—Golconda Lt. & Wtr. Co.
GRAND RIDGE—Grand Ridge El. Lt. Plant
GRANITE CITY—Madison County Lt. & Pr. Co.
GRAYS LAKE—F. C. Wilbur Lumber Co.
GRAYVILLE—Grayville Wtr. Works Co.
GREENFIELD—Greenfield Electric Light Co.
GREENUP—City El. Lt. Plant
GREENVILLE—Greenville El. Lt., H. & P. Co.
GRIGGSVILLE—Griggsville El. Co.
HARLEM—Harlem Wtr. Wks. & El. Lt. Plant (City)
HARRISBURG—Peoples Wtr. & Lt. Co.
HARVARD—Harvard Lt. & Pwr. Co.
HARVEY—North Shore Elec. Co.
HAVANA—Havana Elec. Co.
HENRY—Henry Electric Lt. & Power Co.
HERRIN—City Lt. & Pwr. Co.
HIGHLAND—Town El. Lt. Plant (City)
HIGHLAND PARK—North Shore El. Co.
HILLSBORO—Hillsboro Elec. Lt. & Pwr. Co.
HINSDALE—City El. Lt. Plant (City)
HOMER—Homer Light & Power Co.
HOOPESTON—Hoopeston Gas & El. Co.
IPAVA—El. Lt. Plant
JACKSONVILLE—Jacksonville El. Lt. Plant
Jacksonville Ry. & Light Co. (City)
JERSEYVILLE—Jerseyville Illuminating Co.
JOLIET—Economy Light & Power Co.
JONESBORO—City El. Lt. Plant (City)
KANSAS—El. Lt. Plant
KANKAKEE—Kankakee Electric Light Co.
KEITHSBURG—Thos. A. Marshall Tel. Co.
KEWANEE—Kewanee Lt. & Pwr. Co.
KINMUNDY—City El. Lt. Plant (Munic.)
KIRKLAND—Kirkland Elec. Light Plant.
KIRKWOOD—Kirkwood El. Co.
KNOXVILLE—Knoxville Elec. Light & Power Co.
LACON—Lacon Electric Light Co.
LADD—City El. Lt. Plant
LAFAYETTE—Atherton, J. S.
LA GRANGE—North Shore El. Co.
LA HARPE—La Harpe Elec. Lt. & Power Co.
LAKE FORREST—North Shore El. Co.
LANARK—Lanark Lighting Plant
LA SALLE—City Electric Light Plant
Citizens' Lighting Co.
LAWRENCEVILLE—Lawrencev'le Wt. & Lt. Co.
LEBANON—Lebanon City Ltg. Plant (City)
LEMONT—Lemont Elec. Lt. & Power Co.
LENA—Lena El. Lt. & Pwr. Co.
LE ROY—Leroy Elec. Lt., Pwr. & Heat Co.
LEWISTOWN—Lewistown El. Plant
LEXINGTON—Lexington Elec. Light Co.
LIBERTYVILLE—North Shore El. Co.
LINCOLN—Lincoln Water & Light Co.
LITCHFIELD—Litchfield Gas & Electric Co.
LOCKPORT—City El. Lt. Plant (City)
LODA—Addams, Morgans & Co.
LOUISVILLE—City Lt. & Wtr. Plant (Munic.)
LOVINGTON—Lovington El. Lt. & Pwr. Co.
McHENRY—McHenry Lt., Heat & Pwr. Co.
McLEANSBORO—City Elec. Light Plant (City)
MACKINAW—Mackinaw El. Lt. Plant.
MACOMB—Macomb E. L. & Gas Co.
MADISON—Granite City-Venice El. Co.
MANSFIELD—Mansfield El. Co.
MARENGO—City Light & Water Works (City)
MARRISSA—City El. Lt. Plant
MARION—Marion Elec. Lt. & St. Ry. Co.
MAROA—Maroa Elec. Lt. Co.
MARSEILLES—Consolidated Wtr. & Lt. Co.
MARSHALL—Marshall Electric Lt. Plant (City)
MASCOUTAH—Mascoutah El. Lt. Co.
MASON CITY—Mason City El. Lt. Plant
MATTOON—Mattoon City Elec. Lt. Plant (City)
Mattoon Ht. Lt. & Power Co.
MAYWOOD—North Shore El. Co.
MEDORA—Medora El. Lt. Plant.
MELROSE PARK—North Shore El. Co.
MENDOTA—Mendota Light & Heat Co.
MEREDOSIA—Meredosia El. Lt. Plant
METROPOLIS—City Elec. Lt. Plant (City)
MILFORD—Milford Elec. Lt., Power & Trans.
MILLSTADT—City El. Lt. Plant (City) Co.
MINONK—Minonk Electric Light & Power Co.
MOLINE—People's Power Co.
MOMENCE—Momence E. L. Co.
MONMOUTH—Monmouth Gas & El. Co.
MONTICELLO—Monticello Electric Light Co.
MORGAN PARK—Village Elec. Lt. Plant (Village)
MORRIS—United Electric Co.
MORRISON—Morrison Gas & E. L. Co.
MORRISONVILLE—Morrisonville El. Co.
MORTON—Morton Lt., Heat & Pwr. Co.
MOUND CITY—Mound City Water, Lt., Power, Heat & Mfg. Co.
MOUNT CARMEL—Mount Carmel Gas & El. Co.
Mount Carmel Lt. & Wtr. Co.
MOUNT CARROLL—Mount Carroll Elec. Lt. & Power Co.
MOUNT MORRIS—Mount Morris El. Lt. & Pwr. Co.

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MOUNT OLIVE—Village Elec. Lt. Plant (Village)
MOUNT PULASKI—Mount Pulaski El. Lt. & Pwr. System
MOUNT STERLING—Mount Sterling E. L. & Power Co.
MOUNT VERNON—Citizens' Gas, Electric & Heating Co.
MOWEAQUA—Moweaqua Elec. Lt. Co.
MURPHYSBORO—Murphysboro Water, E. & Gaslight Co.
NAPERVILLE—City El. Lt. & Wtr. Plant
NASHVILLE—Nashville Electric Light Co.
NEW ATHENS—New Athens Elec. Lt. Plant
NEWMAN—Newman El. Lt. Co. (City)
NEWTON—City El. Lt. Plant (City)
NILES CENTER—North Shore El. Co.
NOKOMIS—Nokomis Elec. Lt. & Power Co.
NORMAL—Bloomington & Normal Ry. El. & Htg. Co.
NORTH ALTON—Alton Lt. & Tract. Co.
NORTH CHICAGO—North Shore El. Co.
NUNDA—Union Lt. & Phone Co.
OAKLAND—City El. Lt. Plant
OAK PARK—Chicago Suburban Wtr. & Lt. Co.
Cicero Lt., Ht. & Pwr. Co.
Oak Park Yaryan Co.
ODELL—Odell El. Co.
O'FALLON—O'Fallon Elec. P., Heat & Water Co.
OHIO—El. Lt. Plant.
OKAWVILLE—Original Hotel El. Lt. Plant
OLNEY—Olney Electric Light & Power Co.
ONEIDA—Oneida Lt. & Pwr. Co.
OREGON—Oregon Elec. Lt. & Power Co.
OTTAWA—Northern Illinois Trac. Co.
PALESTINE—City Lt. Plant
PALMYRA—City El. Lt. Plant
PANA—Pana Gas & El. Co.
PARIS—City Electric Light & Wtr. Wks. (City)
City Gas & Elec. Co.
PARK RIDGE—North Shore El. Co. (I. Schiel, Owner)
PAXTON—Paxton El. Co.
PECATONICA—Pecatonica El. Lt. Plant
PEKIN—Citizens' Gas & Electric Co.
PEORIA—Peoria Gas & Electric Co.
PEOTONE—Peotone El. Lt. Co.
PERU—Peru City Elc. Lt. Plant (City)
PETERSBURG—Petersburg El. Lt. Plant
PINCKNEYVILLE—Pinckneyville Lt., Ice & Pwr. Co.
PIPER CITY—White Bros.
PITTSFIELD—Pittsfield Elec. Light & Power Co
PLANO—Plano Ht., Lt. & Power Co.
POLO—Polo El. Lt. Co. (M. Snyder, Owner)
PONTIAC—Pontiac Light & Water Co.
POTOMAC—Potomac El. Plant
PRINCETON—Princeton El. Lt. Plant
PROPHETSTOWN—City El. Lt. Plant
QUINCY—Quincy Gas & Electric Co.
RANTOUL—City Elec. Lt. & Water Wks.
RAYMOND—Hillsboro Lt. & Pwr. Co.
RED BUD—Red Bud El. Lt. Plant
RIDGE FARM—Ridge Farm Electric Light, Heat & Power Co.
RIDGELY—Springfield El. Lt. & Pwr. Co.
RIVER FOREST—North Shore El. Co.
ROANOKE—Roanoke El. Lt. Plant
ROBINSON—Robinson Water, Light & Heat Co.
ROCHELLE—City Elec. Lt. Plant (City)
ROCK FALLS—City Elec. Lt. Plant (City)
ROCKFORD—Rockford El. Co.
ROCK ISLAND—People's Power Co.
ROODHOUSE—Central Lt., Heat & Pwr. Co.
ROSEVILLE—Roseville Ltg. & Htg. Co.
ROSSVILLE—Rossville El. Lt. Plant
RUSHVILLE—Rushville E. L. Co.
RUTLAND—Rutland El. Lt. Plant
SALEM—Salem El. Lt. Plant (City)
ST. ANNE—St. Anne El. Lt. Plant
ST. CHARLES—City Elec. Light Plant (City)
ST. ELMO—St. Elmo Lt., Ice & Storage Co.
SALEM—City El. Lt. Plant
SANDWICH—City El. Lt. & Wtr. Wks. (City)
SAVANNA—Peoples Gas & El. Co.
SAYBROOK—Saybrook El. Lt., Heat & P. Co.
SHAWNEETOWN—Shawneetown El. Lt. Plant
SHEFFIELD—Sheffield Elec. Lt. Co.
SHELBYVILLE—City El. Lt. Plant (City)
SHELDON—Sheldon El. Lt., Pwr. & Htg. Co.
SHERRARD—Sherrard El. Lt. Plant (City)
SIDELL—Sidell El. Lt. & Ice Co.
SORENTO—Sorento El. Lt. Co.
SOUTH WILMINGTON—Gardner El. Lt. Plant
SPARTA—Sparta El. & Gas Co.
SPRINGFIELD—City El. Lt. Plant
Consumers' El. Co.
Springfield Lt., Heat & Pwr. Co.
SPRING VALLEY—Spring Valley Elec. Lt. Co.
STAUNTON—City Elec. Lt. Plant (City)
STERLING—Sterling Gas & Electric Lt. Co.
STREATOR—Illinois Lt. & Trac. Co.
STOCKTON—Stockton El. Lt. Co.
STONINGTON—City El. Lt. Plant
STRONGHURST—Steele Bros. El. Lt. Plant
SULLIVAN—Sullivan Elec. Co.
Sullivan City Lt. & Wtr. Wks. (City)
SYCAMORE—DeKalb-Sycamore El. Co.
TABLE GROVE—Table Grove Elec. Lt. Plant
TAMPICO—El. Lt. Plant (City)
TAYLORVILLE—Taylorville Gas & Elec. Co.
TOLEDO—Toledo El. Lt. Plant
TOLONO—Tolono Ice, Lt. & Pwr. Co.
TOLUCA—Toluca El. Lt. & Gas Co.
TOULON—Toulon Electric Lt. & Power Co.
TREMONT—El. Lt. & Pwr. Co.
TRENTON—City El. Lt. Plant (City)
TROY—Municipal El. Lt. Plant
TUSCOLA—Tuscola Wtr. & Lt. Co.
UPPER ALTON—(See Alton)
URBANA—The Urbana Lt., Ht. & Pwr. Co.
UTICA—Utica El. Lt. & Power Co.
VANDALIA—Vandalia El. Lt. Plant
VENICE—Granite City-Venice El. Co.
VERMONT—Village El. Lt. Plant (City)
VIRDEN—Virden El. Lt. Co.
VIRGINIA—Virginia Elec. Light Co.
WALNUT—Walnut El. Lt. Plant
WARSAW—Warsaw El. Plant
WASHBURN—Consolidated El. & Mfg. Co.
WASHINGTON—Eagle Electric Wks.
WATERLOO—City Water. & Lt. Plant
WATSEKA—Watseka El. Lt. & Heating Co.
WAUKEGAN—North Shore El. Co. (See Evanston)
WAVERLY—Waverly Elec. Lt. & Power Co.
WENONA—Wenona Light & Power Co.
WEST CHICAGO—Dempsey Andrew
WESTERN SPRINGS—City El. Lt. & Wtr. W'ks
WESTVILLE—Danville St. Ry. & Lt. Co.
WHEATON—El. Lt. Plant (City)
WHITE HALL—White Hall Electric Co.
WILMETTE—North Shore El. Co. (See Evanston)
WILMINGTON—Wilmington Lt. & Pwr. Co.
WINNETAKA—Village El. Lt. Plant (City)
WINCHESTER—Winchester Elec. Light Co.
WITT—C. C. El. Lt. & Pwr. Co.
WOODHULL—Woodhull Electric Light Co.
WOODSTOCK—City Electric Light Plant
WYANET—Wyanet El. Lt. Co.
WYOMING—City El. Lt. & Pwr. Plant
XENIA—Xenia El. Lt. Co.
ZION CITY—Zion El. & Pwr. Dept.

INDIANA.

ALBANY—Albany Water & Lt. Co.
ALBION—City Wtr. & Lt. Co.
ALEXANDRIA—Central Indiana Lighting Co.
ANDERSON—City Elec. Lt. & Pwr. Plant
ANGOLA—Angola Ry. & Pwr. Co. (Munic.)
ARCADIA—Arcadia El. Lt. Plant
ARGOS—City El. Plant (City)
ASHLEY—Ashley El. Lt. Plant (City)
ATTICA—City El. Lt. & Wtr. Plant (City)
AUBURN—Auburn Water & Elec. Lt. Plant
AURORA—Indiana Public Service Co. (City)
BATESVILLE—American Furniture Co.
BEDFORD—Bedford Heat, Lt. & Pwr. Co.
BERNE—Berne El. Lt. Co.
BLOOMFIELD—Home Lt. & Wtr. Co.
BLOOMINGTON—People's Gas, Electric & Heating Co
BLUFFTON—City El. Lt. & Pwr. Plant (City)
BOONVILLE—Boonville Elec. Lt. & Pwr. Co.
BOSWELL—Boswell El. Lt. & Wtr. Wks. Co.
BOURBON—Union Wtr., Lt. & Pwr. Co.
BRAZIL—Brazil El. Co.
Terre Haute Trac. & Lt. Co.
BREMEN—Bremen Elec. Lt. Plant (City)
BROOKVILLE—Brookville Electric Co.
BROWNSTOWN—City Wtr. & Lt. Plant
BUTLER—Butler El. Lt. & Wtr. Wks. (City)
CAMBRIDGE CITY—City El. Lt. Plant (City)
CANNELTON—Cannelton El. Lt., Heat & Power
CARTHAGE—Lt. Heat & Power Co. Plant
CAYUGA—Cayuga El. Co.
CHARLESTOWN—Louisville & Northern Ry.
CHRISNEY—Chrisney El. Lt. Co. & Lt. Co.
CHURUBUSCO—City Elec. Lt. Plant
CICERO—El. Lt. Plant
CLAY CITY—Clay City Elec. Lt. & Pwr. Co.
CLINTON—Clinton Elec. Lt. & Power Co.
COLUMBIA CITY—City El. Lt. Plant (City)
COLUMBUS—City Electric Light Plant (City)
Central Indiana Lighting Co.
Columbus St. Ry. & Lt. Co.
CONNERSVILLE—Connersville Lt., Ht. & Pwr. Co.
CONVERSE—Converse Elec. Co.
CORYDON—Corydon Lt., Wtr. & Ice Co.
COVINGTON—Covington Lt. & Wtr. Co.
CRAWFORDSVILLE—Crawfordsville E. Lt. & Pwr. Co. (City)
CROWN POINT—Crown Point Elec. Co.
DANVILLE—Danville Elec. Light Co.
DECATUR—Decatur City Lt. Plant (City)
DELPHI—Carroll Electric Light & Power Co.
DUNKIRK—Dunkirk Ltg. Co.
EAST CHICAGO—Indiana Harbor & East Chicago El. Co
EDINBURG—Edinburg El. Lt. & Wtr. Plant (City)
ELKHART—Indiana & Michigan El. Co.
ELWOOD—Elwood Electric Light Co.
ENGLISH—English Milling Co.
EVANSVILLE—Evansville Gas & Elec. Lt. Co.
FAIRMOUNT—Central Indiana Lighting Co.
FERDINAND—Ferdinand El. Lt. Co.
FORT WAYNE—Fort Wayne & Wabash Valley Trac. Co.
Fort Wayne Co.
S. F. Bowser & Co. (Inc.)
FOWLER—Fowler Utilities Co.
FRANKFORT—City Lt. & Pwr. Plant (City)
FRANKLIN—Franklin Wtr., Lt. & Pwr. Co.
FRANKTON—Frankton Wtr. & Lt. Co. (Munic)
GARRETT—Garrett Lt. & Wtr. Dept. (City)
GAS CITY—Gas City El. Lt. Plant (City)
GOODLAND—Town Elec. Lt. Plant (City)
GOSHEN—City Electric Light Plant (City)
Hawks Elec. Co., The
GOSPORT—Gosport Elec. Lt. Co.
GREENCASTLE—Putnam Elec. Lt. Co.
GREENFIELD—City El. Lt. Plant (City)
GREENSBURG—Greensburg Gas & Elec. Co.
GREENTOWN—Kokomo, Marion & Western Trac. Co.
GREENWOOD—Citizens Wtr. & Lt. Co.
HAGERSTOWN—City El. Lt. Plant
HAMMOND—City Elec. Lt. Plant (City)
South Shore Gas & El. Co.
HARTFORD CITY—Hartford City Lighting Co.
HOBART—Hobart El. Lt. Plant (City)
HOPE—Light, Heat & Pwr. Plant
HUNTINGBURG—Miessner Bros. Co.
HUNTINGTON—City El. Lt. Plant (City)
Huntington Light & Fuel Co.
INDIANAPOLIS—City El. Lt. Plant
Indianapolis Lt. & Ht. Co.
Merchants' Heat & Light Co., 25 S. Penn
People's Lt. & Heat Co.
JASPER—Jasper Elec. Lt. Plant (City)
JEFFERSONVILLE—United Gas & Electric Co.
JONESBORO—Jonesboro Lt. & Wtr. Co.
KENDALLVILLE—City El. Lt. Plant
KENTLAND—Kentland El. Lt. & Pwr. Co.
KNIGHTSTOWN—Knightstown Wtr. & Lt. Plant (City)
KNOX—Knox El. Lt. & Pwr. Co.
KOKOMO—Kokomo, Marion & Western Tr. Co.
LADOGA—Epperson, W. F. Circle Heating &
LAFAYETTE—Lafayette Gas Co. Light Co.
Merchants' Elec. Lt. Ass'n
LA GRANGE—La Grange Elec. Lt. Co.
LA PORTE—La Porte Electric Co.
LAWRENCEBURG—Lawrenceburg El. Lt. Co.
LEBANON—Citizens' Elec. Light & Ice Co.
LIGONIER—Ligonier Elec. Lt. Co.
LINTON—City Ltg. Co. (City)
LOGANSPORT—City Elec. Lt. Plant (City)
LOWELL—City El. Lt. Plant
MADISON—Madison Lt. & Ry. Co.
Madison Lt. & Rwy. Co.
MARION—City El. Lt. Plant
Marion, Bluffton & Eastern Trac. Co.
Marion Lt. & Heat Co.
MARTINSVILLE—City El. Lt. Plant (City)
Martinsville Lt., Ht., Pwr. & Wtr. Co.
MENTONE—El. Lt. Plant
MICHIGAN CITY—Michigan City Gas & El. Co.
MIDDLETOWN—Welsh El. Lt. Plant
MILFORD—Syracuse Pwr., Lt. & Mfg. Co.
MISHAWAKA—City Wtr. & El. Plant
MITCHELL—Municipal Elec. Lt. Plant
MONTICELLO—Monticello El. Lt. Plant
MONTPELIER—Montpelier Lt. & Wtr. Co.
MOORESVILLE—Mooresville Pub. Service Co.
MORGANTOWN—Morgantown El. Lt. Co.
MOROCCO—Morocco El. Lt. Plant
MOUNT VERNON—Mt. Vernon El. Lt. & Pwr. Co.
MUNCIE—City El. Lt. Plant
NAPPANEE—City Elec. Lt. Plant (City)
NEW ALBANY—United Gas & Electric Co.
NEWBURG—Newburg El. Lt. & Pwr. Co.
NEW CASTLE—City Elec. Lt. Plant (City)
New Castle Lt., Ht. & Pwr. Co.
NEW HARMONY—New Harmony El. Lt. Plant
NEW HAVEN—City El. Lt. Plant (City)
NOBLESVILLE—Noblesville Ht., Lt. & Pwr. Co.
Noblesville Hydraulic Co.
NORTH MANCHESTER—Browne Mills Elec. Co.
NORTH VERNON—City Elec. Lt. & Wtr. Plant (Munic)
OAKLAND CITY—Oakland City Elec. Lt. & Pwr. Co.
ODON—Odon Lt. & Power Co.
OSGOOD—Osgood El. Lt. Plant (Munic)
OXFORD—City Elec. Lt. Plant (City)
PAOLI—City El. Lt. Plant
PERU—Peru City Lighting Plant
PETERSBURG—Petersburg El. Lt. & Power Co.
PIERCETON—Pierceton El. Lt. & Wtr. Co.
PLAINFIELD—Plainfield El. Lt. Co.
PLYMOUTH—Plymouth Elec. Lt. Co.
PORTLAND—City El. Lt. Plant (City)
PRINCETON—Princeton Lt. & Power Co.
RENSSELAER—City Elec. Lt. Plant (City)
RICHMOND—Richmond Lt., Ht. & Pwr. Co.
Richmond City El., Lt. & Pwr. Plant (City)
RIDGEVILLE—City El. Lt., Heat & Pwr. Co.
ROACHDALE—Roachdale Elec. Lt. & Power Co.
ROCHESTER—Rochester El., Ht. & Pwr. Co.
ROCKPORT—Rockport Water Works Co.

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ROCKVILLE—Rockville El. Lt. Wks. (City)
RUSHVILLE—City Water & Light Plant
SALEM—Salem E. L. & Artificial Ice Co.
SEYMOUR—Seymour Gas & Elec. Light Co.
SHELBYVILLE—Citizens' Wtr. & Lt. Co. (City)
SHERIDAN—City Elec. Light Plant
SOUTH BEND—Indiana & Michigan El. Co.
SOUTH WHITELY—South Whitely El. Co.
SPENCER—Spencer Elec. Light Co.
SULLIVAN—Sullivan Heat, Light & Power Co.
Sullivan Lt. Co.
SWAYZEE—Kokomo, Marion & Western Trac. Co.
SYRACUSE—Syracuse Pwr., Lt. & Mfg. Co.
SUMMITVILLE—Summitville Electric Light & Pwr. Co.
TELL CITY—Tell City Electric Light Co.
TERRE HAUTE—Terre Haute, Indiana & Eastern Trac. Co.
THORNTOWN—Thorntown Elec. Light Plant
TIPTON—Tipton El. Lt. Plant (City)
UNION CITY—Union City Lighting Co.
VALPARAISO—Valparaiso Light Co.
VAN BUREN—Marion, Bluffton & Eastern Trac. Co.
VEEDERSBURG—City Water & Light Plant (Municipal)
VEVAY—City Electric Light Plant (City)
VINCENNES—City Electric Light Co.
Vincennes Electric Light & Power Co.
WABASH—Wabash Water & Light Co.
WALKERTON—City El. Lt. Plant
WARREN—Warren Elec. Lt. & Water Plant (City)
WARSAW—Winona El. Lt. & Wtr. Co.
WASHINGTON—Washington Light & Wtr. Co.
WATERLOO—Waterloo Wtr. & Lt. Co.
WAYNETOWN—Waynetown Electric Co.
WHITING—South Shore Gas & Elec. Co.
WILLIAMSPORT—Williamsport Water & Light Plant (City)
WINAMAC—Winamac Lt. & Wtr. Plant (City)
WINCHESTER—Citizens' Water & Light Co.
WOLCOTT—Wolcott El. Lt. Co.
WORTHINGTON—Indiana Water & Light Co.
ZIONSVILLE—Zionsville Wtr. & El. Lt. Co.

INDIAN TERRITORY.

(See Oklahoma)

IOWA.

ACKLEY—Town El. Lt. Plant
ADEL—Adel Mill Co.
AFTON—City Elec. Lt. Plant (J. J. Baxter, Lessee)
ALBIA—Albia Elec. Lt. & Power Co.
ALGONA—Algona Elec. Lt. & Wtr. Dept.
ALTA—City El. Lt. Plant (City)
AMES—City El. Lt. Plant (City)
ANAMOSA—Anamosa El. Lt. & Pwr. Co.
ATLANTIC—Atlantic Elec. Lt. Co.
AUDUBON—Audubon Elec. Lt. Plant
AVOCA—Avoca Elec. Lt. & Power Co.
BEDFORD—Bedford Lt., Ht. & Power Co.
BELLE PLAINE—Belle Plaine Elec. Light Co.
BELLEVUE—City Elec. Lt. Plant (City)
BELMOND—Belmond Light & Fuel Co.
BLOOMFIELD—City Elec. Lt. & Power Plant
BOONE—Boone Electric Co. (City)
BRITT—Britt Light & Power Co.
BUFFALO CENTER—Buffalo Center Elec. Lt. Plant
BURLINGTON—People's Gas & Elec. Co.
CARROLL—Carroll Lt. & Heat Co.
CARSON—Carson El. Lt. Plant
CASCADE—Cascade Elec. Light & Power Co.
CEDAR FALLS—Citizens' Gas & El. Co.
CEDAR RAPIDS—Cedar Rapids & Iowa City Ry. & Lt. Co
CENTERVILLE—Centerville Lt. & Traction Co.
CHARITON—City Elec. Light Plant (City)
CHARLES CITY—Charles City El. Lt. & Ht. Co.
CHEROKEE—Cherokee El. Lt. Co.
CLARINDA—Lee El. Lt. Co.
CLARION—City Elec. Light Plant (City)
CLARKSVILLE—Clarksville Lt., H. & P. Co.
CLEAR LAKE—Clear Lake Elec. Lt. & P. Co.
CLINTON—Clinton Gas Light & Coke Co.
COLFAX—Colfax Elec. Lt. & P. Plant (City)
COON RAPIDS—Coon Rapids Tel. & El. Co.
CORNING—Corning Elec. Lt., Ht. & Pwr. Co.
CORRECTIONVILLE—Sioux Valley Milling Co.
CORYDON—City Elec. Lt. Plant (Municipal)
COUNCIL BLUFFS—Citizens' Gas & Electric
CRESCO—Cresco Lt., Ht. & Pwr. Co. Co.
CRESTON—Creston Mutual El. Lt., Heat & Pwr. Co.
DAVENPORT—People's Lt. Co.
DECORAH—Upper Iowa Pwr. Co.
DENISON—Denison Elec. Lt. & Pwr. Co.
DES MOINES—Des Moines Edison Light Co.
DE WITT—De Witt Elec. Lt. & P. Co.
DUBUQUE—Union Elec. Co.
DYERSVILLE—Dyersville Light & Water Co.
EAGLE GROVE—Citizens' Lt., Ht. & Pwr. Co.
EDDYVILLE—Eddyville Elec. Lt. Co.
ELDON—Eldon Elec. Lt. & Power Plant (City)
ELDORA—Eldora Elec. Light Co.
ELKADER—Schmidt Bros. & Co.
ELMA—Elma El. Lt. Plant
EMMETSBURG—City Elec. Light & Power Co.
ESTHERVILLE—City Elec. Lt. Plant (City)
FAIRFIELD—City Elec. Lt. Plant (City)
FARMINGTON—City Elec. Lt. Plant (City)
FAYETTE—City Lt. & Wtr. W'ks
FOREST CITY—Forest City El. Lt. & P. Co.
FORT DODGE—Fort Dodge Elec. Lt. & P. Co.
FORT MADISON—Fort Madison El. Lt. Co.
GARNER—Enterprise El. Lt., Ht. & P. Co.
GLENWOOD—Glenwood Elec. Lt. & Pwr. Co.
GRAND JUNCTION—Grand Junction Elec. Lt. Plant
GREENE—Greene Elec. Lt., & Power Co.
GREENFIELD—City Elec. Light Plant (City)
GRINNELL—Grinnell Elec. & Ht. Co.
GRUNDY CENTER—Grundy Center El. Lt. Co.
GUTHRIE CENTER—Guthrie Center Elec. Lt. Co.
GUTTENBERG—Home Elec. Co. Co.
HAMBURG—Hamburg Elec. Light Co.
HAMPTON—Hampton Elec. Lt. & Power Co.
HARLAN—City Elec. Lt. Plant (City)
HAWARDEN—Hawarden Lt. & W. W. (City)
HOPKINTON—City El. Lt. Plant
HUMBOLDT—Humboldt Elec. Light & Power
IDA GROVE—Ida Grove Elec. Co. Co.
INDEPENDENCE—Independence Water & Electric Light Plant (City)
INDIANOLA—City Ltg. Plant
IOWA CITY—Iowa City Elec. Light Co.
IOWA FALLS—Petersen Ht., Lt. & P. Co.
JEFFERSON—Jefferson Light, Heat, Power & Water Co.
KEOKUK—Keokuk Elec. Ry. & Power Co.
KEOSAUQUA—City El. Lt. Plant
KEOTO—City El. Lt. Plant
KNOXVILLE—Knoxville Electric Co.
LAKE CITY—Lake City Electric Co.
LAKE MILLS—El. Lt. Plant
LANSING—Lansing Elec. Lt. Co.
LA PLATA—Moulton El. Lt. Co.
LAPORTE CITY—LaPorte Public Uutility Co.
LE MARS—Le Mars City Water & Light Co.
LEON—Leon Elec. Light, Heat & Power Co.
LISBON—City Electric Light Plant (City)
LOGAN—Logan Electric Light Co.
LYONS—City El. Lt. Plant
McGREGOR—McGregor Elec. Lt. & Lumber Co.
MADRID—Madrid El. Lt. & Pwr. Co.
MALVERN—Malvern Light & Power Co.
MANCHESTER—Hoag, E. W. Manchester Lt., Ht. & Pwr. Co.
MANNING—Manning Electric Light Co.
MANSON—Manson Elec. Lt. Co.
MAQUOKETA—Barnes Elec. Lt. & Power Co.
MARENGO—Marengo Elec. Light & Power Co.
MARION—Marion Lt., Heat & Pwr. Co.
MARSHALLTOWN—City Elec. Lt. Plant. Marshalltown Lt., Power & Ry. Co.
MASON CITY—People's Gas & El. Co.
MISSOURI VALLEY—Missouri Valley Electric Light Co.
MONTEZUMA—Montezuma Elec. Light & Pwr.
MONTICELLO—Monticello Electric Co. Co.
MOULTON—Moulton El. Lt. Co.
MOUNT PLEASANT—City El. Lt. Plant (City)
MOUNT VERNON—Mt. Vernon Elec. Lt. Co.
MUSCATINE—Citizens' Ry. & Light Co.
NASHUA—Nashua El. Lt. Co.
NEOLA—Neola El. Lt. Plant
NEVADA—Nevada Electric Co.
NEW HAMPTON—City El. Plant (City)
NEW LONDON—New London El. Lt. Plant
NEW SHARON—New Sharon Elec. Co. (City)
NEWTON—City El. Lt. Plant
NORA SPRINGS—Electric Light & Mill Co.
NORTHWOOD—Northwood El. Lt. & Pwr. Co.
OELWEIN—Oelwein Lt. Heat & Pwr. Co.
OGDEN—City El. Lt. Plant
ONAWA—Onawa & El. Light Plant (City)
ORANGE CITY—Orange City Elec. Lt. Co.
OSAGE—Osage Elec. Lt., Heat & Pwr. Co.
OSCEOLA—Osceola Elec. Light. Ht. & Pwr. Co.
OSKALOOSA—Oskaloosa Trac. & Lt. Co.
OTTUMWA—Ottumwa Ry. & Lt. Co.
PANORA—Panora Elec. Lt. & Pwr. Co.
PARKERSBURG—Parkersburg Electric Light, Heat & Power Co.
PELLA—Pella El. Lt. & Pwr. Co.
PERRY—Perry Elec. Lt., P. & Heat'g Co.
RED OAK—Red Oak Electric Co.
REINBECK—Reinbeck El. Lt. Plant
RICEVILLE—Riceville El. Lt. & Pwr. Co.
ROCKFORD—Rockford El. Lt. Co.
ROCK RAPIDS—Rock Rapids Elec. Lt. Plant (City)
ROCKWELL CITY—Moore El. Lt. & Pwr.
SAC CITY—Sac City Elec. Co. Plant
SANBORN—Sanborn Electric Light Co.
SEYMOUR—Town El. Lt. Plant (City)
SHELDON—Sheldon El. Station
SHENANDOAH—The Artificial Ice, Pwr., Ht. & Lt. Co.
SIDNEY—Sidney Lt., Heat & Pwr. Co.
SIGOURNEY—Sigourney Elec. Lt. & Pwr. Co.
SIOUX CITY—Hawkeye Elec. Co.
Sioux City Gas & Elec. Co.
Sioux City Service Co.
SIOUX RAPIDS—Sioux Rapids Elec. Lt. Plant (City)
SPENCER—Spencer Light & Water Works
SPIRIT LAKE—Spirit Lake Lt. & Pwr. Plant
STATE CENTER—City El. Lt. Plant (City)
STORM LAKE—Storm Lake E. L. & Pwr. Co.
STORY CITY—Story City Electric Light & Pwr. Co.
STUART—City El. Lt. Plant
TAMA—Tama & Toledo El. Ry. & Lt. Co.
TIPTON—Tipton Light & Heating Co.
TOLEDO—Tama & Toledo Elec. Ry. & Lt. Co.
TRAER—Traer Elec. Co. (F. L. White, Owner)
VALLEY JUNCTION—The New Valley Water & Lt. Co.
VILLISCA—Villisca Lt., Pwr. & Fuel Co.
VINTON—City El. Lt. & Pwr. Plant.
WAPELLO—Wapello Elec. Lt. & Pwr. Co.
WASHINGTON—Iowa Gas & El. Co.
Washington City Wtr. & Lt. Plant (City)
WATERLOO—Citizens' Gas & El. Lt. Co. of Waterloo & Cedar Falls, Ia.
City El. Light Plant (City)
WAUKON—Waukon Elec. Lt. Co.
WAVERLY—City El. Lt. Plant
WEBSTER CITY—Webster City El. Lt. Plant
WEST BRANCH—West Branch Elec. Light Co.
WEST BURLINGTON—Peoples Gas & El. Co.
WEST LIBERTY—City El. Lt. Plant
WEST UNION—Neff Bros.
WHAT CHEER—What Cheer E. L. & Pwr. Co.
WILTON JUNCTION—City El. Lt. & Wtr. Plant (City)
WINTERSET—Town El. Lt. Plant (City)
WYMOMING—Zinn El. Lt. & Pwr. Co., Oxford Mills, Ia.

KANSAS.

ABILENE—Riverside Lt. & Pwr. Co.
ALMA—Alma Lt. & Ice Co.
ANTHONY—Anthony El. Lt., Pwr. & Fuel Co.
ARGENTINE—The Standard El. Light Co.
ARKANSAS CITY—Arkansas City Gas & Electric Co.
ATCHISON—Atchison Ry., Lt. & Pwr. Co.
BALDWIN—City Lt. & Pwr. Plant
BAXTER SPRINGS—The Baxter Springs El. Co.
BELLEVILLE—City El. Lt. Plant
BELOIT—Beloit Light & Water Co.
BLUE RAPIDS—El. Plaster Co. (The)
BURLINGAME—City El. Lt. Plant (City)
BURLINGTON—Burlington Elec. Lt. & Pwr. Co.
CALDWELL—City El. Lt. & Pwr. Plant
CANEY—Caney El. Lt. & Pwr. Co.
CHANUTE—Chanute El. Light Plant (City)
Southern Kansas Ry., Lt. & Pwr. Co.
CHEROKEE—Cherokee Mill & Elev. Co.
CHERRYVALE—Cherryvale El. Lt. & Pwr. Co.
CHETOPA—City El. Lt. & Wtr. Wks (City)
CLAY CENTER—City Lt. & Wtr. Plant
Clay Center Lt. & Pwr. Co.
COFFEYVILLE—City El. Lt. & Pwr. Plant
COLUMBUS—Columbus Elec. Co.
CONCORDIA—Concordia Elec. Lt. Co.
COUNCIL GROVE—The Council Grove El. Lt. & Pwr. Co.
DODGE CITY—Midland Wtr., Lt. & Ice Co.
DOWNS—Downs El. Lt. & Pwr. Co.
ELDORADO—Eldorado Elec. & Refrigerator Co.
ELLSWORTH—The Peo. El. Lt. & Pwr. Plant.
EMPIRE CITY—Galena Lt. & Power Co.
EMPORIA—Emporia El. Lt. & Pwr. W'ks
ENTERPRISE—Enterprise El. Plant (City)
EUREKA—Eureka El. Lt. Plant.
FORT SCOTT—Fort Scott Gas & El. Co.
GALENA—Consolidated Lt., Pwr. & Ice Co.
GARDEN CITY—Garden City Tel., Lt. & Mfg.
GARNETT—Garnett El. Lt. Co. Co.
GIRARD—City El. Lt. & Wtr. Works (City)
GOODLAND—Goodland Lt. & Pwr. Co.
GREAT BEND—The Great Bend Elec. Co.
HANOVER—City El. Lt. Plant
HARPER—City El. Lt. Plant (City)
HAYS CITY—Hays City El. Lt. & Pwr. Co.
HERINGTON—City Wtr. & Lt. Plant
HIAWATHA—City El. Lt. Plant (City)
Hiawatha E. L. Co.
HOISINGTON—Hoisington El. & Ice Plant
HOLTON—City El. Lt. & Wtr. W'ks
HORTON—Horton Water & Lt. Co.
HUTCHINSON—People's Water, Light & Power Co. of Hutchinson
The Water, Light, Gas & Power Co.
INDEPENDENCE—Independence El. Co. (The)
IOLA—City Wtr., Gas, Lt. & Pwr. W'ks
Iola El. Ry. Co.
JUNCTION CITY—Elec. Ry. Lt. & Ice Co.
KANSAS CITY—Kansas City El. Co.
KINGMAN—The Kingman Lt. & Pwr. Co.
KINSLEY—Kinsley Light & Power Co.
LARNED—C. W. Smith El. Lt. & Ice Co.
LAWRENCE—Lawrence El. Lt. Co.

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LEAVENWORTH—Leavenworth Lt. &. Heating Co.
LINDSBORG—Lindsborg Wtr. & El. Lt. Plant
LYNDON—City El. Lt. Plant (City)
LYONS—Lyons El. & Mfg. Co.
McPHERSON—McPherson Wtr. & Elec. Wks.
MANHATTAN—Manhattan Ice, Lt. & Pwr. Co.
MARYSVILLE—Marysville Lt., Pwr. & Wtr.
MINNEAPOLIS—Jackman Roller Mills Co.
NEWTON—El. Lt. & Pwr. Co.
NORTON—Norton Lt., Ice & Cold Storage Co.
NORTONVILLE—Nortonville El. Lt., Pwr. & Heating Plant
OBERLIN—City Lt. Plant
OLATHE—Olathe El. Lt. Plant
OSAGE CITY—Osage City Elec. Light Plant (City)
OSAWATOMIE—Osawatomie Lt. & Pwr. Co.
OSBORNE—Osborne Lt. & Pwr. Co.
OSKALOOSA—Oskaloosa El. Lt. Co.
OSWEGO—Oswego El. Lt. Co.
OTTAWA—Ottawa Water Works & Light Co.
PARSONS—Parsons Elec. Light & Power Co.
PEABODY—Peabody Lt. & Pwr. Co.
PHILLIPSBURG—Phillipsburg Mill & Elevator Co.
PITTSBURG—The Home Lt., Heat. & P. Co.
PRATT—Pratt Lt. & Ice Co.
SABETHA—City Elec. Light Plant (City)
SALINA—People's Light, Ht. & Pwr. Co.
SENECA—City El. Lt. Plant
SMITH CENTER—Smith Center Mill, Elevator & Lt. Co.
STAFFORD—Larabee Flour Mills Co.
STERLING—Morris Elec. Works.
STRONG—Smith, W. G. Lt. & Pwr. Co.
TOPEKA—City of Topeka El. Lt. Plant
Edison Co., 734 Kansas av. (Munic.)
VALLEY FALLS—Zimmerman Lt. & Pwr. Co.
WAMEGO—City Wtr. & Lt. Plant (City)
WAVERLY—City Lt. & Wtr. W'ks
WEIR CITY—Weir City Lt. & Wtr. Co.
WELLINGTON—City El. Lt. Plant (City)
WICHITA—Wichita Gas, Elec. Lt. & Pwr. Co.
Wichita R. R. & Lt. Co., 107 S. Main
WILSON—Wilson El. Lt. Co.
WINFIELD—Municipal Light & Power Plant

KENTUCKY.

ASHLAND—Ohio Valley El. Ry. Co.
AUGUSTA—Augusta El. Lt. Plant (City)
BARBOURSVILLE—Barboursville El. Lt., Ht. & Pwr. Co.
BARDSTOWN—City El. Lt. Plant (City)
BEAVER-LAM—Kentucky Lt. & Pwr. Co.
BELLEVUE—Cincinnati, Newport & Covington Lt. & Trac. Co.
BOWLING GREEN—Bowling Green Gas Lt. City El. Lt. Plant (Munic.) Co.
BURNSIDE—Burnside Elec. Lt. & Power Co.
CAMPBELLSVILLE—Campbellsville El. Lt. Co.
CARLISLE—Carlisle Elec. Lt. & Pwr. Co.
CARROLLTON—City El. Lt. Plant.
CATLETTSBURG—Carpenter, E. L. & Power Co.
CENTRAL CITY—Central City Lt. & Pwr. Co.
CLINTON—Clinton Wtr. & Lt. Co.
CORBIN—The Horne Elec. Lt. Co.
COVINGTON—Cincinnati, Newport & Covington Lt. & Trac. Co.
CYNTHIANA—Cynthiana Elec. Lt. Co.
DANVILLE—Danville Lt., Pwr. & Trac. Co.
DAWSON SPRINGS—Dawson El. Lt. Plant
DAYTON—Cincinnati, Newport & Covington Lt. & Trac. Co. (See Covington)
EARLINGTON—St. Bernard Mining Co.
ELIZABETHTOWN—Elizabethtown Elec. Lt. Co.
EMINENCE—Eminence El. Lt. Co.
FLEMINGSBURG—El. Lt. Plant
FRANKFORT—Capital Gas & E. L. Co.
FRANKLIN—Franklin Electric Co.
FULTON—Fulton Elec. Lt. & Power Co.
GEORGETOWN—Georgetown Water, Gas, Electric & Power Co.
GLASGOW—Glasgow Elec. Light & Power Co.
GREENVILLE—Greenville Lt. & Wtr. Co.
HARRODSBURG—Harrodsburg Electric Light Plant (City)
HAWESVILLE—Hawesville Electric Light, Heat & Power Co.
HENDERSON—City Elec. Light Plant (City)
HICKMAN—Hickman Ice & Coal Co.
HOPKINSVILLE—City Light Co. (Inc.)
LANCASTER—Lancaster Electric Plant.
LATONIA—Cincinnati, Newport & Covington Lt. & Trac. Co.
LAWRENCEBURG—Lawrenceburg El. Lt. & Ice Co.
LEBANON—Lebanon Lt., Ice & Pwr. Co.
LEXINGTON—Lexington & Interurban Rys.
LONDON—London El. Lt. & Pwr. Co. Co.
LOUISVILLE—Fetter, G. E. Lighting & Heating Co.
Kentucky El. Co.
Louisville Lighting Co.
LUDLOW—Cincinnati, Newport & Covington Lt. & Trac. Co. (See Covington)
MADISONVILLE—City El. Lt. Plant
MARION—Marion Elec. Light & Ice Co.
MAYFIELD—Mayfield Wtr. & Lt. Co.
MAYSVILLE—Maysville Gas Co.
MIDDLESBORO—Middlesboro Electric Light, Heat & Power Co.
MORGANFIELD—Morganfield El. Lt. & P. Co.
MOUNT STERLING—Mount Sterling Water, Lt.
MURRAY—City El. Lt. Plant & Ice Co.
NEWPORT—Cincinnati, Newport & Covington Lt. & Trac. Co. (See Covington)
NICHOLASVILLE—City El. Lt. Plant (City).
OWENSBORO—Owensboro City El. Lt. Plant (City)
PADUCAH—City Elec. Light Plant (City)
Paducah Trac. & Lt. Co.
PARIS—Paris Elec. Light Co.
PINEVILLE—Pineville El. Lt., Pwr. & Ice Co.
PRINCETON—Princeton Light & Power Co.
PROVIDENCE—Providence El. Lt. Plant.
RICHMOND—Richmond El. & Pwr. Co.
RUSSELVILLE—Russelville El. Lt. Plant (City).
SEBREE—El. Lt. Plant
SHELBYVILLE—Shelbyville Water & Lt. Co.
SOMERSET—Somerset Wtr., Lt. & Trac. Co.
SPRINGFIELD—Springfield Wtr. & El. Co.
STANFORD—Stanford Water, Lt. & Ice Co.
STURGIS—Sturgis El. Lt. Co.
UNIONTOWN—Uniontown Lt. & Pwr. Co.
VANCEBURG—Vanceburg Elec. Light, Heat & Power Co.
VERSAILLES—Versailles Elec. Light Co.
WICKLIFFE—City Wtr. & Lt. Plant
WILLIAMSBURG—Williamsburg Elec. Lt. Co.
WINCHESTER—Winchester Ry., Lt. & Ice Co.

LOUISIANA.

ABBEVILLE—Abbeville Lt. & Wtr. Co.
ALEXANDRIA—City El. Lt. & Wtr. W'ks
ALGIERS—Algiers Ry. & Lighting Co.
AMITE—Central Lt. & Pwr. Co.
ARCADIA—Arcadia Lt. & Pwr. Co.
BATON ROUGE—Baton Rouge Elec. & Gas Co.
CLINTON—Clinton El. Lt. & Ice Plant
COVINGTON—St. Tammany Ice & Mfg. Co. (Ltd.)
CROWLEY—Crowley Water Works & El. Light Plant (City)
DONALDSONVILLE—City El. Lt., Pwr. & Wtr. W'ks
FRANKLIN—City Elec. Light Plant (City)
GRETNA—Jefferson Ice & Elec. Power Co.
HAMMOND—Hammond Ice, Lt. & Bottling Co. (Ltd.)
HOUMA—Houma Lighting & Ice Mfg. Co.
JEANERETTE—Jeanerette El. Lt. Plant
JENNINGS—Jennings Elec. Lt. & Power Co.
LAFAYETTE—City Wtr. Wks. & El. Lt. Plant
LAKE CHARLES—Lake Charles Ice, Light & Water Works Co.
LAKE PROVIDENCE—City El. Lt. & Wtr. Plant
LEESVILLE—Leesville Light & Water Works Co.
MINDEN—Minden Elec. Light & Power Co.
MONROE—City Water, Lt. & Trac. Dept. (City)
MORGAN CITY—Morgan City Imp. Co. (Ltd.)
NATCHITOCHES—Natchitoches Elec. Light & Water Works (City)
NEW IBERIA—New Iberia Water Works & Elec. Light Plant (City)
NEW ORLEANS—Consumers' El. Co., 139 S. Rampart
New Orleans Ry. & Lt. Co.
Southern El. Securities Co., 213 Camp
OPELOUSAS—City Elec. Light & Water Works (City)
PLAQUEMINE—Plaquemine El. Lt. & Power Co.
RAYNE—City El. Lt. & Wtr. W'ks
RUSTON—City Elec. Light Plant (City)
SHREVEPORT—Shreveport Gas, Elec. Light & Pwr. Co.
THIBODAUX—City El. Lt. Plant
VIDALIA—City El. Lt. Plant

MAINE.

ASHLAND—El. Lt. Co. (The)
AUBURN—Lewiston & Auburn El. Lt. Co., 34 Court
AUGUSTA—Kennebec Lt. & Heat Co., 311 Water
BANGOR—Bangor Ry. & El. Co.
Bodwell Water Power Co.
City El. Lt. Plant
BAR HARBOR — Bar Harbor & Union River
BATH—Sagadahock Lt. & Pwr. Co.
BELFAST—Belfast Gas & Electric Co.
BERWICK—United Gas & Electric Co.
BIDDEFORD—York Light & Heat Co.
BOOTHBAY HARBOR—Boothbay Harbor El. Lt. & Pwr. Co.
BREWER—Public Works Co., Lighting Dept. (See Bangor) (Bangor Ry. & El. Co.)
BRIDGTON—Bridgton Water & Elec. Co.
BROWNVILLE—Brownville El. Lt. & P. Co.
BRUNSWICK—Brunswick El. Lt. & Power Co.
BUCKFIELD—Buckfield Wtr., Pwr. & El. Co.
BUCKSPORT—Penobscot Bay El. Co.
CALAIS—St. Croix Gas Light Co.
CAPE ELIZABETH—Consolidated El. Lt. Co. (See Portland)
CAMDEN—Rockland, Thomaston & Camden St. & Ry. Co. (See Rockland)
CARIBOU—Caribou Wtr., Lt. & Pwr. Co.
CHERRYFIELD—Cherryfield Elec. Light Co.
CLINTON—Clinton El. Lt. & Pwr. Co.
CORINNA—Corinna El. Lt. Co.
CUMBERLAND—Consolidated El. Lt. Co. of Maine. (See Portland)
DEERING—(See Portland)
DEXTER—Dexter Electric Co.
DIXFIELD—Dixfield Lt. & Improvement Co.
DOVER—Dover & Foxcroft Elec. Lt. & Heat Co.
EASTON—Easton El. Co.
EASTPORT—Eastport Lighting Co.
ELLSWORTH—Bar Harbor & Union River Power Co.
Ellsworth Pwr. Supply Co.
FAIRFIELD—Waterville & Fairfield Ry. & Lt. Co. (See Waterville)
FARMINGTON—Farmington Elec. Light Co.
FORT FAIRFIELD—Fort Fairfield Lt. & Pwr. Co.
FOXCROFT—Dover & Foxcroft Lt. & Heat Co.
FREEPORT—Freeport El. Lt., Heat & P. Co.
FRYEBURG—Fryeburg Electric Light Co.
GARDINER—Kennebec Lt. & Heat Co. (See Augusta)
GORHAM—Westbrook Elec. Light & Power Co.
GREENVILLE—Greenville Lt. & Pwr. Co.
GUILFORD—Piscataquis Woolen Co.
HALLOWELL—Kennebec Light & Heat Co. (See Augusta)
HIRAM— Cornish & Kezar Falls Lt. & P. Co.
HOULTON—Houlton Inc. Lt. Co.
Houlton Wtr. Co.
Maine & New Brunswick Electrical Pwr. Co. (See Presque Isle)
ISLAND FALLS—Emerson Lumber Co.
KENNEBUNK—City El. Lt. Plant
KENNEBUNKPORT—Kennebunk Elec. Light Co.
LEWISTON—City Elec. Light Plant (City)
LISBON FALLS—Lisbon Falls Gas & El. Co.
LIVERMORE FALLS—Livermore Falls Light & Power Co.
MADISON—City El. Lt. Plant
MACHIAS—Machias Elec. Light Co.
MARS HILL—Maine & New Brunswick Electrical Co. (See Presque Isle)
MECHANIC FALLS—Mechanic Falls El. Lt. Co.
MILLTOWN—St. Croix Gas Co. (See Calais)
MILO—Milo El. Lt. & Pwr. Co.
MONSON—Monson Lt. & Pwr. Co.
NEWCASTLE—Twin Village Wtr. Co.
NEWPORT—Newport Light & Power Co.
NORRIDGEWOCH—Skowhegan Elec. Light Co. (See Skowhegan)
NORTH BERWICK—United Gas & El. Co. (See Dover, N. H.)
NORWAY—Norway & Paris Street Ry. Co.
OAKLAND—Messalonskee Electric Co.
OLD ORCHARD—Old Orchard Elec. Light Co.
OLD TOWN—Bangor Ry. & El. Co.
ORLAND—Penobscot Bay El. Co. (See Bucksport)
ORONO—Old Town Electric Co. (See Old Town)
PATTEN—Merrill Mill Co.
PEMBROKE—Pembroke Pwr. Co.
PHILLIPS—Phillips Lumber & Electric Co.
PITTSFIELD—Sebasticook Power Co.
PORTLAND—Consol. El. Lt. Co., of Maine
Peaks Island Lt. Co.
Portland El. Co., 24 Plum
Portland Lighting & Pwr. Co.
PRESQUE ISLE—Maine & New Brunswick Electrical Pwr. Co. (Ltd.)
RANGELEY—Rangeley Lt. & Pwr. Co.
PORTLAND—Consolidated El. Light Co. (Owner, Portland El. Co.)
ROCKLAND—Rockland, Thomaston & Camden Street Ry. Co.
ROCKPORT—Rockland, Thomaston & Camden Street Ry Co. (See Rockland)
RUMFORD—Rumford Falls Light & Water Co.
Rumford Power Co.
SACO—York Light & Heating Co. (See Biddeford)
SANFORD—Atlantic Shore Line Ry.
Sanford Lt. & Pwr. Co.
SANGERVILLE—Dover & Foxcroft Lt. & Heat Co.
SKOWHEGAN—Skowhegan Elec. Light Co.
SORRENTO—Sorrento Elec. Light Co.
SOUTH BERWICK—Berwick & Salmon Falls El. Lt. Co.
SOUTH PARIS—Norway & Paris Street Ry. Co. (See Norway)
SOUTH PORTLAND—Consolidated Elec. Light Co. (Portland)
THOMASTON—Rockland, Thomaston & Camden Street Ry Co. (See Rockland)
TOPSHAM—Brunswick El. Lt. & Pwr. Co. (See Brunswick)
TURNER—Staples, E. L. El. Lt. Plant
VASSALBORO—Vassalboro El. Lt. & Pwr. Co.
WALDOBORO—Waldoboro Wtr., El. Lt. & Pwr. Co.

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WATERVILLE—Fort Halifax Pwr. Co.
Messalonskee El. Co.
Union Gas & El. Co.
Waterville & Fairfield Railway & Light Co.
WESTBROOK—Mallison Pwr. Co. (See South Presumpscott El. Co. Windham)
WINSLOW—Vassalboro El. Lt. & Pwr. Co. (See Vassalboro)
Waterville & Fairfield Ry. & Lt. Co. (See Waterville)
WINTHROP—Winthrop & Wayne Lt. & P. Co.
YARMOUTH — Consolidated Elec. Light Co. (See Portland)
YORK—Agaminticus Light & Power Co.

MARYLAND.

ANNAPOLIS—Annapolis Gas & Elec. Lt. Co.
BALTIMORE—Consolidated Gas El. Lt. & Pwr.
Baltimore County Wtr. & El. Co. Co.
Maryland Telegraph & Telephone Co.
Patapsco Electrical & Mfg. Co.
Railway & Light Co. of America
BELAIR—Belair Electric Co.
BRUNSWICK—Harper's Ferry El. Lt. & Pwr. Co.
CHESTERTOWN—Chestertown El. Lt. & Pwr. Co.
CHESTERTOWN—Chestertown Elec. Lt. Co.
CRISFIELD—Crisfield Ice Mfg. Co.
CUMBERLAND—Cumberland City El. Lt. Plant
Edison Electric Illg. Co. (City)
EASTON—Easton Fuel & Lt. Co.
ELKTON—Elkton Elec. Lt. & Power Co.
Gilpen Falls El. Co.
ELLIOTT CITY—Patapsco El. & Mfg. Co.
United El. Lt. & Pwr. Co. (The). (See Baltimore)
FREDERICK—City El. Plant
Frederick Gas & El. Co.
FROSTBURG—Frostburg Illg. & Mfg. Co.
HAGERSTOWN—Hagerstown Elec. Lt. Plant
Hagerstown Railway Co. (City)
HAVRE DE GRACE—Havre de Grace El. Co.
HYATTSVILLE—Potomac El. Pwr. Co. (See Washington, D. C.)
LAUREL—Laurel City El. Light Plant
LONACONING—Lonaconing El. Lt. & Power Co
LONACONING—Home El. Lt. Co
Lonaconing El. Lt. & Pwr. Co.
MOUNT WASHINGTON—Mount Washington Elec. Lt. & Power Co.
NORTH EAST—Gilpen Falls Co. (See Elkton)
OAKLAND—Oakland Elec. Co.
PCCOMOKE—Stevenson El. Lt. Co.
PORT DEPOSIT—Port Deposit El. Lt. Co.
ROCKVILLE—City El. Lt. Plant
SALISBURY—Salisbury Lt., Heat & Pwr. Co.
SNOW HILL—Snow Hill El. Lt. & Pwr. Co.
TOWSON—Mount Washington El. Lt. & Pwr. Co. (See Mount Washington)
United Lt. & Pwr. Co. (See Baltimore)
WESTMINSTER—Carroll County El. Lt. & Pwr. Co.
WILLIAMSPORT—Williamsport El. Lt. Plant (City)

MASSACHUSETTS.

ABINGTON—El. Lt. & Pwr. Co. of Abington & Rockland. (See North Abington)
ADAMS—Adams Gas Lt. Co. (See North Adams)
AGAWAN—Village Wtr. Co. (See Suffolk,
AMESBURY—Amesbury El. Lt. Co. Conn.)
AMHERST—Amherst Gas Co.
ANDOVER—Andover Electric Co.
ARLINGTON—Edison El. Illuminating Co. (The). (See Boston)
ASHBURNHAM—City El. Lt. Plant
ASHLAND—Edison El. Illuminating Co. (The). (See Boston)
ATHOL—Athol Gas & Elec. Co.
ATTLEBORO—Attleboro Steam & Elec. Co.
AYER—Ayer El. Lt. Co.
BEDFORD—Lexington Gas & El. Co. (See Lexington)
BELLINGHAM—Edison El. Illuminating Co. (See Boston)
BELMONT—City El. Lt. Plant (City)
BEVERLY—Beverly Gas & Elec. Co.
BILLERICA—Billerica El. Co.
BLACKSTONE—Blackstone El. Lt. Co. (See East Blackstone)
BOSTON—Block Plant El. Lt. Co., 357 Washington
Charlestown Gas & El. Co., Thompson sq.
Edison El. Illuminating Co., 39 Boylston
Light, Heat & Pwr. Corp., 131 State
Massachusetts El. Cos., 84 State
Massachusetts Lighting Cos., 131 State
BRAINTREE—Braintree El. Lt. Plant (City)
BRIDGEWATER—Bridgewater Elec. Co.
BROCKTON—Edison Elec. Ill. Co. of Brockton
BROOKLINE—Boston Consolidated Gas Co.
BUCKLAND—Shelburne Falls El. Lt. & Pwr. Co.
CAMBRIDGE—Cambridge El. Lt. Co.
CANTON—Edison El. Illg. Co. (See Boston)
CHARLEMONT—El. Lt. Plant
CHARLESTOWN—Charlestown Gas & El. Co.) (See Boston)
CHELSEA—Chelsea Gas Light Co.
CHESTER—Chester Electric Light Co.
CHICOPEE—Municipal Elec. Light Plant
CLINTON—Clinton Gas Light Co.
COCHITUATE—Edison El. Illg. Co. (See Boston)
COHASSET—Cohasset El. Co.
COLRAIN—Colrain El. Lt. & Pwr. Co.
CONCORD—City Elec. Lt. Plant (Municipal)
CONWAY—Deerfield River El. Lt. Co.
DALTON—Dalton Pwr. Co.
Pittsfield El. Co. (See Pittsfield)
DANVERS—Danvers Elec. Light Plant (City)
DEDHAM—The Edison El. Mfg. Co. (Boston)
DOUGLAS—Douglas El. Co.
DUDLEY—Webster & South Bridge Gas & El. Co. (See Webster)
DUXBURG—Plymouth El. Lt. Co. (See Plymouth)
EAST BLACKSTONE—Blackstone Elec. Light
EAST BRAINTREE—City El. Lt. Plant Co.
EAST BRIDGEWATER—Edison El. Illg. Co.) (See Brockton)
EASTHAMPTON—Easthampton Gas Co.
EAST WEYMOUTH—Weymouth Lt. & Pwr. Co.
EVERETT—Madden El. Co. (See Madden)
FAIRHAVEN—New Bedford Gas & Edison Lt. Co.
FALL RIVER—Fall River Electric Light Co.
20 Hartwell
FITCHBURG—Fitchburg Gas & Elec. Lt. Co.
FOXBORO—Foxboro El. Co.
FRAMINGHAM—The Edison El. Illg. Co. (Boston)
FRANKLIN—Union Elec. Lt. Co.
GARDNER—Gardner Elec. Lt. Co.
GILBERTVILLE—Ware El. Co. (See Ware)
GLOUCESTER—Gloucester Electric Co.
GRAFTON—Grafton Electric Co.
GREAT BARRINGTON—Great Barrington Electric Light Co.
GREENFIELD—Greenfield El. Lt. & Pwr. Co.
GROVELAND—Haverhill El. Co. (See Haverhill)
HANOVER—El. Lt. & Pwr. Co. of Abington & Rockland. (See North Abington)
HARDWICK—Ware El. Co. (See Ware)
HAVERHILL—Haverhill Electric Co.
HINGHAM—Municipal Light Dept.
HOLBROOK—Randolph & Holbrook El. Lt. Co.
HOLLISTON—The Edison El. Illg. Co. (Boston)
HOLYOKE—Holyoke Electric Light & Water Holyoke Gas & El. Dept. (City) Pwr. Co.
HOPKINTON—Edison El. Illg. Co.
HOUSATONIC—Great Barrington El. Lt. Co. (See Great Barrington)
HUDSON—Town of Hudson El. Lt. & Pwr. Plant (City)
HUNTINGTON—Huntington El. Lt. Co.
HYDE PARK—Hyde Park Electric Light Co.
KINGSTON—Plymouth El. Lt. Co.
LANCASTER—Clinton Gas Lt. Co. (See Clinton)
LAWRENCE—Lawrence Gas Co.
LEE—Lee Electric Co.
LEICHESTER—Worcester El. Lt. Co.
LENOX—Lenox Electric Co.
LEOMINSTER—Leomin'r Elec. Lt. & Pwr. Co
LEXINGTON—Lexington Gas & Electric Co.
LINWOOD—Uxbridge & North Uxbridge El. Co. (See Uxbridge)
LONG MEADOW—United El. Lt. Co. (See Springfield)
LOWELL—Lowell Elec. Lt. Corp., 28 Bridge
LUDLOW—Ludlow Mfg. Associates
LYNN—Lynn Gas & Elec. Co., 90 Exchange
MALDEN—Malden Electric Co.
MANCHAUG—Douglas El. Co.
MANCHESTER—Manchester El. Co.
MANSFIELD—City Elec. Lt. Plant (City)
MARBLEHEAD—Marblehead El. Lt. Plant
MARLBORO—Marlboro Electric Co.
MATTAPOISETT—New Bedford Gas & Edison
MAYNARD—El. Lt. Plant Lt. Co.
MEDFIELD—Edison El. Illg. Co. (See Boston)
MEDFORD—Malden El. Co. (See Malden)
MEDWAY—Medway El. Lt. & Pwr. Co.
MELROSE—Malden El. Co. (See Malden)
MERRIMAC—City El. Lt. Plant
MIDDLEBORO—Middleboro Gas & Elec. Light Plant (Town Owner)
MILFORD—Milford Elec. Light & Power Co.
MILLBURY—Millbury Electric Co.
MILLERS FALLS—City El. Lt. Plant
MILLIS—Edison El. Illg. Co. (See Boston)
MILTON—The Edison El. Illg. Co. (Boston)
MITTINEAGUE—Village Wtr. Co. (See Suffield, Conn.)
MONSON—Central Massachusetts El. Co. (See Palmer)
MONTAGUE—Montague El. Lt. & Pwr. Co.
NAHANT—Lynn Gas & El. Co. (See Lynn)
NANTASKET—Town of Hull Elec. Lt. Dept. (Town)
NANTUCKET—Citizens' Gas., El. & Pwr. Co.
NATICK—Edison Elec. Ill. Co.
NEEDHAM—Edison El. Illg. Co. (Boston)
NEW BEDFORD—New Bedford Gas & Edison Light Co.
NEWBURYPORT—Newburyport G. & E. Co.
NEWTON—Newton & Watertown Gas Lt. Co.
NORFOLK—Edison El. Illg. Co. (See Boston)
NORTH ABINGTON—Electric Light & Power Co. of North Abington & Rockland
NORTH ADAMS—North Adams Gas Lt. Co.
NORTHAMPTON—Northampton El. Ltg. Co.
NORTH ATTLEBORO—City El. Lt. & Wtr. Plant
NORTHBORO—Marlboro El. Co. (See Marlboro)
NORTHBRIDGE—Uxbridge & Northbridge El. Co. (See Uxbridge)
NORTH UXBRIDGE—Uxbridge & Northbridge
NORWOOD—City El. Lt. Plant El. Co.
OAK BLUFFS—Vineyard Lighting Co.
ORANGE—Orange El. Lt. Co.
OXFORD—Webster & Southbridge Gas & El. Co. (See Webster)
PALMER—Central Massachusetts El. Co.
PEABODY—City Electric Light Plant (City)
PITTSFIELD—Pittsfield Electric Co.
PLYMOUTH—Plymouth Electric Light Co.
PROVINCETOWN—Cape Lt., Ht. & Pwr. Co.
QUINCY—Quincy Elec. Light & Power Co.
RANDOLPH—Randolph & Holbrook El. Lt.
READING—Reading El. Lt. Plant Co.
REVERE—Suburban Gas & El. Co.
ROCKLAND—El. Lt. & Pwr. Co. of Abington & Rockland. (See North Abington)
ROCKPORT—Gloucester El. Co. (See Gloucester)
SALEM—Salem El. Lighting Co.
SAUGUS—Lynn Gas & El. Co.
SCITUATE—Cohasset El. Co. (See Cohasset)
SHARON—Edison El. Illg. Co. (See Boston)
SHEFFIELD—Great Barrington El. Co. (See Great Barrington)
SHELBOURNE FALLS—Shelbourne Falls Electric Light & Power Co.
SHERBORN—Edison El. Illg. Co. (See Boston)
SHIRLEY—El. Lt. Plant
SHREWSBURY—City El. Lt. Plant
SOMERVILLE—Edison El. Illg. Co. (See Boston)
SOUTHBORO—Middleboro El. Co. (See Middleboro)
SOUTHBRIDGE—Webster & Southbridge Gas & El. Co.
SOUTH HADLEY FALLS—South Hadley Falls
SPENCER—Spencer Gas Co. El. Lt. Co.
SPRINGFIELD—United El. Lt. Co., 135 State
STOCKBRIDGE—Stockbridge Lighting Co.
STONEHAM—The Edison El. Illg. Co. (Boston)
STOUGHTON—Stoughton Gas & Electric Co.
STOW—Hudson El. Lt. & Pwr. Co.
STURBRIDGE—Webster & Southbridge Gas & El. Co.
SUNDERLAND—Sunderland El. Lt. & P. Co.
SUTTON—Grafton El. Co. (See Grafton)
SWAMPSCOTT—Lynn Gas & El. Co. (See Lynn)
TAUNTON—Taunton Municipal Lighting Plant, 12 Mechanic la.
TEMPLETON—City El. Lt. Plant
TOWNSEND—U. S. Adams El. Lt. Co.
TURNERS FALLS—Franklin Elec. Light Co.
Turners Falls Co.
UXBRIDGE—Uxbridge & N. Uxbridge El. Co.
VINEYARD HAVEN—Vineyard Lighting Co. (See Oak Bluffs)
WAKEFIELD—City El. Lt. & Gas Plant
WALPOLE—Edison El. Lt. Co.
WALTHAM—Waltham Gas Light Co.
WARE—Ware Electric Co.
WARREN—Central Massachusetts El. Co. (See Palmer)
WATERTOWN—Newton & Watertown Gas Lt. Co. (See Newton)
WAYLAND—The Edison El. Lighting Co. (See Weston El. Lt. Co. (See Weston) Boston)
WEBSTER—Webster & Southbridge Gas & El.
WELLESLEY—Town El. Lt. Plant (City) Co.
WESTBORO—Westboro Gas & Electric Co.
WEST BROOKFIELD—Central Massachusetts El. Co. (See Palmer)
WESTFIELD—Westfield Gas & Electric Plant
WESTON—Weston Electric Light Co.
WEST SPRINGFIELD—United El. Co. (See Springfield)
WESTWOOD—Edison El. Illg. Co. (See Boston)
WEYMOUTH—Weymouth Lt. & Pwr. Co. ton)
WHITINSVILLE—Uxbridge & Northbridge El. Co. See Uxbridge)
WHITMAN—Edison El. Ill. Co. of Brockton
WILLIAMSTOWN—Williamston Gas Co.
WINCHENDON—Winchendon El. Lt. & Pwr. Co.
WINCHESTER—The Edison El. Illg. Co. (Boston)
WINTHROP—Suburban Gas & El. Co. (See Revere)

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WOBURN—The Edison El. Illg. Co. (Boston)
WORCESTER—Worcester Electric Light Co., 66 Faraday

MICHIGAN.

ADRIAN—Citizens' Electric Light & Power Co.
ALBION—Commonwealth Pwr. Co. (See Jackson)
ALGONAC—City El. Lt. & Wtr. Wks. Plant
ALLEGAN—Allegan Lt. & Pwr. Co.
ALMA—Alma Grain & Lumber Co.
ALPENA—Alpena Electric Light Co.
Alpena Pwr. Co., Ltd.
City El. Lt. Plant
ANN ARBOR—Washtenaw Lt. & Pwr. Co.
ATLANTIC MINE—Houghton Co. El. Lt. Co.
AUSABLE—El. Lt. Plant (See Houghton)
BAD AXE—El. Lt. & Wtr. Plant (City)
BANGOR—Bangor Lt. & Wtr. Plant (City)
BARAGA—Elec. Lt. Dept. (Thos. Nester Est.)
BATTLE CREEK—Citizens' El. Co. (The) Commonwealth Pwr. Co. (See Jackson)
BAY CITY—Bay City Trac. & El. Co.
City Elec. Light Plant (City)
BEAVERTON—El. Lt. Plant
BELDING—Citizens' Light Co.
Spencer Electric Light & Power Co.
BELLE AIR—Municipal El. Lt. Plant
Hydraulic Pwr. & Lt. Co.
BENTON HARBOR—Benton Harbor-St. Joe Ry. & Lt. Co.
BESSEMER—Gogebic El. Lt. Co.
BIG RAPIDS—Donley, W. E. El. Lt. & P. Co.
Grand Rapids-Muskegon Pwr. Co. (See Grand Rapids)
BLISSFIELD—City Electric Light Plant
BOYNE CITY—Boyne River Pwr. Co.
BRIGHTON—Brighton Elec. Lt. & Power Co.
BRONSON—Frederick, Wm. H. & Co.
BROOKLYN—El. Lt. Plant
BROWN CITY—Brown City El. Lt. Wks. (City)
BUCHANAN—Indiana & Michigan El. Co.
CADILLAC—Cadillac Wtr. & Lt. Co.
CALUMET—Houghton County El. Lt. Co. (See
CARO—Caro Light & Power Co. Houghton)
CARSON CITY—Rockafellow Grain Co. (Ltd.)
CASS CITY—City El. Lt. Plant
CASSOPOLIS—Cassopolis Milling & Power Co.
CENTRAL LAKE—Central Lake El. Lt. Co.
CENTERVILLE—Centerville Water & Elec. Co.
CHARLEVOIX—City El. Lt. Plant (City)
CHARLOTTE—Charlotte General Electric Co.
CHEBOYGAN—Cheboygan Electric Light & Power Co.
CHELSEA—Municipal Electric Light & Waterworks Co.
CHESANING—City Elec. Light Plant (City)
CLARE—Milling, Lt. & Pwr. Co.
CLINTON—City Electric Light Plant (City)
COLDWATER—City Electric Light Plant
CONSTANTINE—Constantine Hydraulic Co.
CORUNNA—Owassa & Corunna El. Co. (See Shiawassee Lt. & Pwr. Co. Owassa)
CROSWELL—City El. Lt. Plant
CRYSTAL FALLS—Crystal Falls El. Lt. & Wtr. Wks. (City)
DECATUR—City El. Lt. & Wtr. Plant
DETROIT—City El. Plant, 40 Atwater St., E.
Detroit Edison Co.; N. Y. Office, 30 Broad
Edison Illuminating Co.
National Gas, Lt. & Pwr. Co.
Peninsular El. Lt. Co.
Rochester Lt. & Pwr. Co.
DOWAGIAC—Dowagiac El. Lt. Plant
El. Lt. Dept. (Beckwith Estate)
DUNDEE—Dundee Electric Light Co.
DURAND—City El. Lt. & Wtr. Plant
EAST JORDAN—East Jordan El. Lt. & P. Co.
EASTLAKE—Peters, R. G. Salt & Lumber Co.
EAST TAWAS—City El. Lt. Plant
EATON RAPIDS—Eaton Rapids Electric Light Plant (City)
ELK RAPIDS—Elk Rapids El. Co.
ESCANABA—City Electric Light Plant (City)
Escanaba El., Pulp & Pwr. Co.
EVART—Village Elec. Lt. Plant (Village)
FENNVILLE—Fennville Roller Mill Co.
FENTON—Fenton Electric Light & Power Co.
FLINT—Flint Lt. & Pwr. Co.
FLUSHING—City El. Lt. & Wtr. Wks.
FOWLERVILLE—Fowlerville Lighting Co.
FRANKFORT—Frankfort El. Lt. Co., 101 Sibben, Manistee, Mich.
FREMONT—Fremont El. Lt. & Wtr. Wks.
GAYLORD—City El. Lt. & Wtr. Wks.
GLADSTONE—City Electric Light Plant (City)
GLADWIN—El. Lt. Plant
GRAND HAVEN—City Elec. Lt. Plant (City)
GRAND LEDGE—City El. Lt. & Wtr. Wks.
GRAND MARAIS—Marais Lumber Co.
GRAND RAPIDS—Edison Light Co.
Grand Rapids-Muskegon Pwr. Co., 47 Monroe
Municipal El. Lt. Plant
GRAYLING—Grayling Electric Co.
GREENVILLE—Greenville Gas, El. Lt., Pwr. & Fuel Co.
HANCOCK—Houghton County El. Lt. Co. (See Houghton)
HARBOR BEACH—Harbor Beach El. Lt. Plant
HARBOR SPRINGS—Municipal El. Lt. Plant (Town)
HART—Elec. Light & Waterworks (Town)
Pere Marquette Lt. & Pwr. Co.
HARTFORD—El. Lt. Plant
HASTINGS—Thornapple Gas & El. Co.
HILLSDALE—City Elec. Light Plant (City)
HOLLAND—City Lt. & Wtr. Plant
HOLLY—Holly Lighting Co.
HOMER—Homer El. Lt. & Pwr. Co.
HOUGHTON—Houghton Co. El. Lt. Co.
HOWARD CITY—Howard City El. Lt. & Pwr. Co.
HOWELL—Howell Electric Light & Power Wks.
HUDSON—Hudson Electric Light Co. (City)
IMLAY CITY—Imlay City El. Lt. Co.
IONIA—Ionia Wtr., Pwr. & El. Co.
IRON MOUNTAIN—Iron Mountain Electric Lt. & Power Co.
IRON RIVER—Menominee Range Pwr. & Devel. Co.
IRONWOOD—Twin City General Electric Co.
ISHPEMING—Marquette County Gas & El. Co.
ITHACA—Ithaca El. Lt. Plant
JACKSON—Commonwealth Pwr. Co.
JONESVILLE—City Lt. & Wtr. Wks.
KALAMAZOO—City Electric Light Plant (City)
The Commonwealth Pwr. Co.
KALKASKA—Kalkaska Lt. & Power Co.
LAKE LINDEN—Houghton Co. El. Lt. Co.
LAKE ODESSA—Thornapple El. Co.
LAKEVIEW—Lakeview El. Lt. Co.
LANSING—City El. Lt. & Wtr. Plant
LA PEER—La Peer Gas & El. Co.
El. Lt. Plant
LESLIE—Leslie Electric Light & Power Co.
LOWELL—City of Lowell Light & Power Plant (City
LUDINGTON—Stearns' Lighting & Pwr. Co.
MACATAWA—Macatawa Resort Co.
MACKINAW—Pellston Lt. & Pwr. Co. (See Pellston)
MANCELONA—Antrim Lt. & Pwr. Co.
MANCHESTER—City El. Lt. Plant
MANISTEE—Manistee Lt. & Traction Co.
MANISTIQUE—Manistique Lt. & Pwr. Co.
MANTON—City El. Lt. & Wtr. Plant
MARCELLUS—City El. Lt. Plant
MARINE CITY—Marine City Roller Mill Co.
MARLETTE—Village Elec. Lt. Plant (Village)
MARQUETTE—City El. Lt. & Pwr. Co.
MARSHALL—City Wtr. & El. Wks.
MASON—Mason Water & Elec. Lt. W'ks (City)
MENOMINEE—Menominee & Marinette Lt. &
MIDLAND—Bristol El. Lt. Co. Trac. Co.
MILAN—El. Lt. Plant
MILFORD—Milford El. Lt. Wks.
MONROE—Monroe Electric Light Plant (City)
MOUNT CLEMENS—St. Clair Edison Co.
MOUNT PLEASANT—Harris El. Co.
MUNISING—El. Lt. & Pwr. Co.
MUSKEGON—Grand Rapids-Muskegon P. Co.
Muskegon Traction & Lighting Co.
NASHVILLE—Thornapple El. Co. (See Hastings)
NEGAUNEE—City El. Lt. Plant
Marquette County Gas, Lt. & Trac. Co. (See Ishpeming)
NEWAYGO—Newaygo, Portland Cement Co.
NEW BALTIMORE—City El. Lt. Plant
NEWBERRY—City El. Lt. Plant (City)
NILES—City El. Lt. Plant
NORTHVILLE—City El. Lt. Plant
NORWAY—City El. Lt. Plant (City)
ONAWAY—Onaway El. Lt. & Pwr. Co.
ONTONAGON—City El. Lt. Plant
OSCODA—Pioneer El. Co.
OTSEGO—City El. Lt. Plant
OVID—Ovid Elec. Light & Waterworks (City)
OWOSSO—Owosso & Corunna Electric Co.
OXFORD—City Wtr. & El. Lt. Plant
PAW PAW—City El. Lt. Plant
PENTWATER—Pere Marquette Lt. & P. Co.
PETOSKEY—City Elec. Light Plant (City)
PLAINWELL—Eesley Lt. & Pwr. Co.
PLYMOUTH—City El. Lt. Plant
PONTIAC—Pontiac Lt. Co.
PORT HURON—Port Huron Lt. & Power Co.
PORTLAND—City El. Lt. Plant (City)
QUINCY—City El. Lt. Plant
Houghton County El. Lt. Co. (See Houghton)
READING—City El. Lt. Plant (City)
RED JACKET—Houghton County El. Lt. Co. (See Houghton)
REED CITY—Osceola Lt. & Pwr. Co.
RICHMOND—City Lt. & Wtr. Plant
RIVER ROUGE—Town Electric Light Plant (City)
ROCHESTER—Rochester Elec. Lt. & Pr. Co.
ROCKFORD—Rogue River Electric Light Co.
ROMEO—City Electric Light Plant (City)
SAGINAW—Bartlett Illuminating Co.
ST. CHARLES—City El. Lt. Plant
ST. CLAIR—St. Clair Electric Light & Water Works (City)
ST. IGNACE—City El. Lt. Plant (City)
ST. JOHNS—St. Johns El. Lt. & Wtr. Plant
ST. JOSEPH—Benton & St. Joseph Harbor El.
City El. Lt. Plant Ry. & Heat Co.
Indiana & Michigan El. Co.
ST. LOUIS—City Electric Light Plant (City)
SAULT SAINTE MARIE—Edison Sault Elec. Co.
Mich., Lake Superior P. Co.
SEBEWAING—Liken, John C. & Co.
SHELBY—City El. Lt. Plant
SOUTH HAVEN—City. El. Lt. Plant (City)
SPALDING—Ross Bros. & Co.
SPARTA—Sparta Milling Co.
SPRINGPORT—Town El. Light Plant (Village)
STANDISH—Citizens' Mfg. Co.
STANTON—Stanton Light & Water Plant (City)
STURGIS—Sturgis El. Lt. Plant (City)
TAWAS CITY—El. Lt. & Pwr. Plant
TECUMSEH—Tecumseh Electric Co.
THREE OAKS—Village Electric Light Plant (Village)
THREE RIVERS—Three Rivers Lt. & Pr. Co.
Constantine Hydraulic Company.
TRAVERSE CITY—Boardman River Electric Light & Power Co.
TRENTON—Washtenaw Lt. & Pwr. Co. (See Ann Arbor)
UNION CITY—City El. Lt. & Wtr. Wks.
VASSAR—Town Electric Light Plant (City)
VICKSBURG—City El. Lt. & Wtr. Wks.
VULCAN—Norway El. Lt. Plant
WAYNE—Washtenaw Lt. & Pwr. Co. (See Ann Arbor)
WEST BRANCH—Rifle River El. Lighting Co.
WHITEHALL—City El. Lt. Plant Co.
WILLIAMSTON—Williamston Illg. Co.
WYANDOTTE—Wyandotte Electric Light Plant
YALE—Town Electric Plant (City) (City)
YPSILANTI—City Electric Light Plant (City)
ZEELAND—City Water and Light Plant (City)

MINNESOTA.

ADA—Town El. Lt. & Wtr. Wks.
ADRIAN—City Lt. & Wtr. Plant
AITKEN—Village Electric Light Plant (City)
Aitken P. and Light Co.
AKELEY—Red River Lumber Co.
ALBERT LEA—Albert Lea Lt. & Pwr. Co.
ALEXANDRIA—Alexandria Elec. Light Plant
ANOKA—Anoka El. & Wtr. Wks. Co. (City)
APPLETON—City Electric Light and Water
ARGYLE—City El. Lt. Plant Wks. (City)
ARLINGTON—City Electric Light Plant
AUSTIN—City El. Lt. Plant
BARNESVILLE—City El. Lt. Plant
BEMIDJI—Bemidji El. & Pwr. Plant
Warfield El. Co.
BENSON—City El. Lt. Plant
BIWABIK—City El. Lt. Plant
BLACKDUCK—Blackduck El. & Telephone Co.
BLOOMING PRAIRIE—Campbell, L. G. Mfg. Co.
BLUE EARTH—City El. Lt. & Wtr. Wks.
BRAINERD—Brainerd Municipal Elec. Light Plant
BRECKENRIDGE—Town Electric Light and Water Works (City)
CALEDONIA—City El. Lt. Plant
CANNON FALLS—Cannon Falls El. Pwr. Co.
Cannon Falls El. Service Co.
CASS LAKE—Cass Wtr., Lt. & Pwr. Co.
CHASKA—Chaska El. Lt. & Pwr. Plant
CHATFIELD—Chatfield El. Lt. & Pwr. Co.
CHISHOLM—Chisholm Lt. & Pwr. Co.
CLOQUET—Cloquet Electric Co.
CROOKSTON—Crookston Water Works, Power & Light Co.
DAWSON—City El. Lt. & Wtr. Wks.
DELANO—Delano Water & Electric Light
DETROIT—City El. Lt. Plant Plant (City)
DULUTH—Duluth Edison El. Co.
Great Northern Power Co.
EAST GRAND FORKS—City Electric Light Plant (City)
ELY—City Electric Light Plant (City)
EVELETH—Eveleth El. Co.
FAIRMONT—City El. Plant (City)
FARIBAULT—Faribault Gas & El. Co.
Polar Star El. Co.
FERGUS FALLS—City El. Lt. Plant (City)
Otter Tail Pwr. Co.
Wright, A. Vernon
FOSSTON—City El. Lt. Plant
FRAZER—Frazee El. Lt. Plant
GLENCOE—Glencoe El. Lt. Co.
GLENWOOD—Glenwood Mill & El. Co.
GRACEVILLE—Village Elec. Lt. Plant (Village)
GRAND RAPIDS—City El. Lt. Plant
GRANITE FALLS—Village Electric Light Plant (Village)
HASTINGS—Hastings El. Lt. & Wtr. Pwr. Co.

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HENDERSON — Henderson Light & Water Works (Village)
HIBBING—Municipal Light & Water Plant
HUTCHINSON—Hutchinson Lighting & Mfg. Co.
JACKSON—City Electric Light Plant (City)
JORDAN—Jordan El. Lt. & Heating Co.
KASSON—City El. Lt. Plant
KENYON—Kenyon El. Lt. Plant
LAKE CRYSTAL—Crystal Milling Co.
LAKEFIELD—City El. Lt. & Wtr. Wks.
LANESBORO—Lanesboro Electric Light Co.
LE ROY—Le Roy El. Lt. Plant
LE SUER—City El. Lt. Plant
LITCHFIELD—Village Elec. Lt. Plant (Village)
LITTLE FALLS—Little Falls Wtr. Pwr. Co. of Minn
LONG PRAIRIE—Village El. Lt. Plant (Village)
LUVERNE—Village Elec. Lt. Plant (Village)
MADISON—City Electric Light Plant
MANKATO—Mankato Gas & Electric Light Co.
MAPLETON—Mapleton Electric Light Co.
MARSHALL—City Electric Light Plant (City)
MELROSE—City El. Lt. & Wtr. Wks. Plant
MINNEAPOLIS—Minneapolis General El. Co.
MONTEVIDEO—Montevideo El. Lt. & Pwr. Co.
MOORHEAD—Moorhead Lt. & Wtr. Plant
MORA—Mora Electric Light Co.
MORRIS—Morris Electric Light Co.
NEW PRAGUE—City El. Lt. & Wtr. Wks.
NEW RICHLAND—Lea & Borge Plant
NEW ULM—New Ulm Electric Light Co. (City)
NORTHFIELD—Northfield Lt., Ht. & Pr. Co.
OLIVIA—City El. Lt. Plant
ORTONVILLE—City Elec. Lt. Plant (City)
OSAKIS—Osakis Milling Co.
OWATONNA—Public Service Operating Co.
PARK RAPIDS—El. Lt. Plant
PAYNESVILLE—City Wtr. & Lt. Plant (City)
PELICAN RAPIDS—City El. Lt. Plant
PERHAM—City El. Lt. Plant
PINE CITY—Pine City Milling & El. Co.
PIPESTONE—Pipestone El. Lt., Heat & P. Co.
PLAINVIEW—Plainview El. Lt. & Pwr. Co.
PRESTON—Preston El. Lt. & Water Wks (City)
PRINCETON—City El. Lt. & Wtr. Wks.
RED LAKE FALLS—Red Lake Falls Electric Light Co.
REDWING—Redwing Gas, Lt. & Power Co.
REDWOOD FALLS—Redwood Falls Milling Co.
ROCHESTER—Rochester Elec. Lt. Plant (City)
RUSH CITY—Rush City Electric Light Co.
RUSHFORD—Town Electric Light Plant (City)
Rushford Power Co.
ST. CHARLES—City El. Lt. Plant
ST. CLOUD—St. Cloud Public Service Co.
ST. JAMES—Village Elec. Lt. Plant (Village)
ST. PAUL—Northern Heating & El. Co.
St. Paul Gas Light Co.
ST. PETER—St. Peter Electric Light & Water Works (Village)
SANDSTONE—Sandstone Land Co.
SAUK CENTER—Central Minnesota Power & Milling Co.
SAUK RAPIDS—Public Service Co. (See St. Cloud)
SHAKOPEE—Shakopee Electric Light Plant (City)
SHERBURNE—Sherburne Electric Light Co.
SLEEPY EYE—Village Elec. Lt. Plant (Village)
SOUTH ST. PAUL—South St. Paul El. Lt., Heat & Pwr. Co.
SOUTH STILLWATER—City El. Lt. Plant
SPARTA—City El. Lt. Plant
SPRINGFIELD—Village Elec. Lt. Plant (Village)
SPRING VALLEY—Spring Valley Electric Light & Investment Co.
STAPLES—City El. Lt. Plant
STILLWATER—Stillwater Gas & Elec. Lt. Co.
THIEF RIVER FALLS—City El. Lt. Plant
TOWER—Village El. Lt. Plant (City)
TRACY—Village Elec. Light Plant (Village)
TWO HARBORS—City El. Lt. & Wtr. Plant
VIRGINIA—Virginia Light & Water Co.
WABASHA—Jones, R. E. & Co.
WADENA—City El. Lt. & Wtr. Wks. Plant
WARREN—City Wtr. & Lt. Plant
WASECA—City Lt. & Wtr. Plant
WELLS—Water & Elec Lt. Works (Village)
WHITE BEAR LAKE—White Bear Elec. Co.
WILLMAR—Electric Lt. & Water Works (Village)
WINDOM—Water & Elec. Lt. Plant (City)
WINNEBAGO CITY—El. Lt. & Water Wks.
WINONA—Minnesota Lt. & Pwr. Co. (City)
Winona Railway & Lt. Co.
WINTHROP—City El. Lt. Plant
WORTHINGTON—City Lt. & Wtr. Plant
ZUMBROTA—Zumbrota El. Co.

MISSISSIPPI.

ABERDEEN—City El. Lt. Plant & Wtr. Wks.
AMORY—Amory Lt. & Pwr. Co.
BATESVILLE—Paola El. Lt. Co.
BAY ST. LOUIS—El. Lt. Plant
BILOXI—Gulfport & Mississippi Traction Co., Gulfport
BOONEVILLE—Booneville Electric Light Co.
BROOKHAVEN—Brookhaven El. Lt. Plant
CANTON—City El. Lt. & Wtr. Wks. (City)
CLARKSDALE—Water & Lighting Plant
COLLINS—City El. Lt. Plant (City)
COLUMBUS—Columbus Ry., Lt. & Pwr. Co.
CORINTH—Alcorn El. Lt. Co.
The Corinth El. Lt. & Pwr. Co.
DURANT—City Electric Light Plant
ELLISVILLE—Town El. Lt. & Wtr. Plant
GREENVILLE—Delta El. Lt., P. & Mfg. Co.
GLOSTER—City El. Lt. & Wtr. Wks.
GREENWOOD—Greenwood Water & Light Plant (City)
GRENADA—City Wtr. & Lt. Plant
GULFPORT—Gulfport & Mississippi Coast Traction Co.
HATTIESBURG—Hattiesburg Traction Co.
HAZLEHURST—El. Lt. Plant (City)
HOLLY SPRINGS—Town Wtr. & Lt. Plant
JACKSON—Capital Light & Pwr. Co. (City)
Jackson Electric Railway Light & Power Co.
KOSCIUSKO—Planters' Oil Mill & Gin Co.
LAUREL—Gulf States Investment Co.
LEXINGTON—Lexington Compress & Oil Mill
LUMBERTON—Camp & Hinton Co. Co.
MACOMB—Macomb City Elec. Lt. & Pr. Co.
MACON—City Wtr. & Lt. Plant (City)
MAGNOLIA—Magnolia El. Lt. Co.
MERIDIAN—Meridian Lt. & Ry. Co.,
MOSSPOINT—Pascagoula Str. R'y & Pwr. Co.
NATCHEZ—So. Lt. & Trac. Co.
NEW ALBANY—City Wtr. & Lt. Plant
OCEAN SPRINGS—Gulfport & Mississippi Coast Traction Co. (See Gulfport)
OKOLONA—Okolona El. Lt. Plant (City)
OXFORD—University Lt. Plant
PASCAGAULA—Pascagoula Str. R'y & Pwr.
PONTOTOC—Pontotoc Lt. & Pwr. Co. Co.
POPLARVILLE—Lt. & Wtr. Wks.
PORT GIBSON—Town Lt. & Wtr. Plant (City)
SARDIS—Panola El. Lt. & Pwr. Co.
SCRANTON—Pascagoula St. Ry. & Pwr. Co.
SENATOBIA—City El. Lt. & Wtr. Wks.
STARKVILLE—El. Lt. & Wtr. Plant
SUMMIT—McComb City El. Lt. & Pwr. Plant
TUNICA—Tunica Electric Light & Power Co.
TUPELO—City El. Lt., Wtr. & Sewerage Plant
VICKSBURG—Vicksburg R. R. & Lt. Co.
WATER VALLEY—Munic. El. Lt. Plant (City)
WESSON—Wesson Ltg. & Pwr. Co.
WEST POINT—City El. Lt. Plant
WINONA—Winona Wtr., Sewerage, Ice & Lt.
YAZOO—Lt., Wtr. & Sewerage Plant Co.

MISSOURI.

ALBANY—Albany El. Lt. & Wtr. Plant
APPLETON CITY—City Lt. Plant
AURORA—Aurora Lt., Ice & Storage Co.
BETHANY—Town Lt. & Wtr. Wks. (City)
BLOOMFIELD—Bloomfield El. Lt., H. & P. Co.
BOLIVAR—City El. Lt. & Wtr. Wks. Plant
BOONVILLE—Boonville Elec. Lt. & Pr. Co.
BOWLING GREEN—Pike County El. Lt. & P.
BRAYMER—Braymer Lt. & Fuel Co. Co.
BRECKENRIDGE—City El. Lt. Plant
BROOKFIELD—Brookfield Electric Light Co.
BRUNSWICK—Brunswick Wtr. & Lt. Wks.
BUTLER—City Lt. & Pwr. Plant
CALIFORNIA—California Elec. Lt. & Pr. Co.
CAMERON—Cameron El. Lt. & Wtr. Plant
CAMPBELL—Campbell Mill & Lt. Co.
CANTON—Canton El. Lt. Plant (City)
CAPE GIRARDEAU—Cape Girardeau Water Works & Electric Light Co.
CARROLLTON—Water Lt. & Transit Co.
CARTERVILLE—Southwest Missouri Lt. Co. (See Joplin)
CARTHAGE—Carthage El. Lt. Plant
Empire El. Pwr. & Supply Co.
CARUTHERSVILLE—Ice & Lighting Co.
CENTRALIA—Centralia El. Lt. Plant
CHARLESTON—Southeast Missouri Ice, Lt. & Pwr. Co.
CHILLICOTHE—People's Gas & Electric Co.
CLARENCE—Clarence El. Lt. Plant
COLUMBIA—City El. Lt. & Wtr. Plant
DE SOTO—Consumers' Elec. Lt. & Pr. Co.
DEXTER—City El. Lt. Plant (City)
EDGERTON—El. Lt. Plant
EDINA—Edina Lt. Co.
ELDORADO SPRINGS—Eldorado Springs El. Co.
EXCELSIOR SPRINGS—Excelsior Springs Lt., Pwr., Heat & Wtr. Co.
FARMINGTON—City El. Lt. Plant
FAYETTE—City El. Lt. Plant (City)
FERGUSON—King El. Co. (See St. Louis)
FESTUS—City El. Lt. Plant
FREDERICKTOWN—Fredericktown El. & Mfg.
FULTON—City El. Lt. Plant (City) Co.
GALLATIN—City Lt. & Wtr. Wks.
GLASGOW—Glasgow El. Lt., Pwr. & Industrial Co.
GRANT CITY—Grant City El. Lt. Plant
HAMILTON—Hamilton El. Lt. Co.
HANNIBAL—City El. Lt. & Pwr. Plant
HARRISONVILLE—Harrisonville Electric Light Plant (City)
HERMANN—Hermann Electric Light Co.
Higbee El. Lt., Heat & Pwr. Co.
HIGGINSVILLE—Higginsville Water & Light Plant (City)
HOLDEN—Holden Elec. Light Plant (City)
HUNTSVILLE—Huntsville Lt. & Pwr. Co.
INDEPENDENCE—Independence Light Plant
JACKSON—City El. Lt. Plant (City)
JEFFERSON CITY—Jefferson City Light, Heat & Power Co.
JOPLIN—Consol. Lt., Pwr. & Ice Co.
City El. Lt. Plant (City)
Joplin Lt. Pwr. & Wtr. Co.
The Spring River Pwr. Co., 315 Miner's Bank bldg.
KAHOKA—City Wtr. & Lt. Plant
KANSAS CITY—Kansas City Electric Light Co.
KENNETT—Ice & El. Co.
KIRKSVILLE—Kirksville Lt., Pwr. & Ice Co.
KIRKWOOD—Kirkwood El. Lt. & Pwr. Co.
Suburban El. Lt. & Pwr. Co. (See Webster Groves)
LA BELL—City El. Lt. Plant
LA GRANGE—City El. Lt. Plant (City)
LAMAR—Lamar Wtr. & Lt. Co.
LANCASTER—City Lt. & Pwr. Plant
LA PLATA—La Plata Electric Light Co.
LEBANON—City Lt. & Wtr. Co.
LEES SUMMIT—Lees Summit El. Lt. Plant
LEXINGTON—Lexington El. & Gas Co.
LIBERTY—Liberty El. Lt. Plant
LOUISIANA—Louisiana Lt. Pwr. & Trac. Co.
MACON—City El. Lt. & Wtr. Wks.
MALDEN—City Electric Light Plant (City)
MARCELINE—Marceline El. Lt. Plant
MARSHALL—Marshall Light, Heat & Pwr. Co.
MARYVILLE—Maryville El. Lt., Ht. & P. Co.
MEMPHIS—Memphis El. Lt., Heat & P. Co.
MEXICO—Mexico Elec. Lt., Ht. & Pr. Co.
MILAN—City Electric Light Plant (City)
MOBERLY—Moberly Gas & Electric Co.
MONETT—Monett Elec. Lt., Pr. & Ice Co.
MONROE CITY—Monroe City Electric Light Plant (City)
MONTGOMERY CITY—Montgomery Electric Light Plant
MOUND CITY—Mound City El. Lt. & P. Co.
MOUNT VERNON—City Wtr. & El. Lt. Plant
NEOSHO—Neosho Electric Light Co.
NEVADA—Missouri Water, Lt. & Traction Co.
NEW MADRID—New Madrid Lt., Heat & Pwr. Plant
NORBORNE—Norborne Fuel, Ice & Lt. Co.
ODESSA—City Electric Light Plant (City)
OREGON—City Water & Light Plant (City)
PACIFIC—Pacific Electric Co.
PALMYRA—Palmyra Light & Water Co.
PARIS— Paris El. Lt. & Water Works (City)
PIERCE CITY—City El. Lt. Plant (City)
PLATTSBURG—Plattsburg Light & Power Co.
PLEASANT HILL—The Hotel Light, Power & Water Co.
POPULAR BLUFF—Popular Bluff Lt. & P. Co.
PRINCETON—City Electric Light Plant (City)
RICH HILL—City El. Lt. Plant
RICHMOND—Richmond Electric Light Co.
ROCKPORT—City Electric Light Plant (City)
ROLLA—City El. Lt. & Pwr. Co.
ROSEDALE—Kansas City El. Co. (See Kansas
ST. CHARLES—City El. Lt. Plant (City)
St. Charles Electric Light & Power Co.
ST. GENEVIEVE—Home Lt. & Wtr. Co.
ST. JOSEPH—City El. Lt. Plant (City), 5th & Olive
St. Joseph Ry., Lt., Heat & Power Co.
ST. LOUIS—King El. Co.
Laclede Gas Light Co., 716 Locust
Laclede Power Co., 421 Olive
Neighborhood Light, Power & Heating Co.
Union Electric Light, Heat & Power Co.,
SALISBURY—City El. Lt. Plant
SARCOXIE—Sarcoxie Elec. Lt. & Mill Co.
SAVANNAH—City Electric Light Plant (City)
SEDALIA—Sedalia Ice, Lt. & Fuel Co.
Sedalia Lt. & Trac. Co.
SHELBINA—City Elec. Light Plant (City)
SHELBYVILLE—City Electric Light Plant.
SIKESTON—Sikeston Ice, Lt. & Pwr. Co.
SLATER—City Lt. & Wtr. Plant
SPRINGFIELD—Springfield Gas & El. Co.
STANBERRY—Stanberry El. Lt. & Pwr. Co.

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TARKIO—Tarkio Electric & Water Co.
THAYER—Mammoth Springs El. Lt. Co. (See Mammoth Springs, Ark.)
TRENTON—Citizens Gas & El. Co.
TROY—Town Electric Plant (City)
UNION—(See Washington, Mo.)
UNIONVILLE—City El. Lt. & W. Wks (City)
VANDALIA—Vandalia El. Lt. Plant
VERSAILLES—Town Electric Light Plant (City)
WARRENSBURG—Warrensburg Lt. & P. Co.
WARRENTON—Sievert, A. F. (The) El. Lt.
WASHINGTON—Tibbe El. Co. Plant
WEBB CITY—Consolidated Lt., P. & Ice Co.
WEBSTER GROVE—Suburban El. Lt. & P. Co.
WELLSVILLE—Wellsville El. Lt. Plant
WEST PLAINS—City Wtr. & Lt. Plant
WILLOW SPRINGS—Willow Springs Wtr. & Lt. Co.
WINDSOR—Windsor Lt., Wtr., Heat & P. Co.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
Missouri River Pwr. Co. (See Helena)
BIG TIMBER—Big Timber Light & Power Co.
BILLINGS—Billings Water Power Co.
Yellowstone River Pwr. Co.
BOZEMAN—Gallatin Lt., Pr. & Ry. Co.
BUTTE—Butte Electric & Power Co.
Madison River Pwr. Co.
Montana Power Transmission Co.
Phoenix Electric Co.
DEER LODGE—Deer Lodge Electric Co.
DILLON—Union El. Co.
FORT BENTON—Benton Lt. & Pwr. Co.
GLENDINE—Hughes El. Lt. Co.
GREAT FALLS—Boston & Great Falls Electric Light & Power Co.
HAVRE—Havre El. Co.
HELENA—Helena Lt. & Ry. Co.
Missouri River Power Co.
KALISPELL—Kalispell Water & Electric Co.
Flathead Valley Wtr. Pwr. Co.
LEWISTON—Citizens' El. Lt. & Pwr. Co.
LIVINGSTON—Livingston Wtr. & Pwr. Co.
MILES CITY—City Wtr. & Lt. Dept. (City)
MISSOULA—Missoula Light & Water Co.
PHILLIPSBURG—Phillipsburg Granite Electric Light Co.
RED LODGE—Northwestern Improvement Co.

NEBRASKA.

ALBION—Albion El. Lt. & Pwr. Plant
ALLIANCE—Alliance Electric Co.
ALMA—City El. Lt. Plant
ANSLEY—Ansley Elec. Light & Power Co.
ASHLAND—Ashland Lt., Mill & Pwr. Co.
AUBURN—Auburn Mutual Lighting & Pr. Co
AURORA—Aurora Elec. Lt., Heat & Pr. Co.
BEATRICE—Beatrice Elec. Co.
BLAIR—Blair Electric Light & Power Co.
BLUE SPRINGS—(See Wymore)
CHARDON—Chardon Elec. Lt. & P. Co.
COLUMBUS—Columbus El. Lt. Plant
CRAWFORD—Crawford El. Lt. Plant
CREIGHTON—Verdigre El. Lt. Co. (See Verdigre)
CRETE—El. Lt. Plant
DAVID CITY—El. Lt. Plant
EDGAR—Edgar Lt. & Pwr. Co.
FAIRBURY—Fairbury Lt. & Wtr. Co.
FALLS CITY—City El. Lt. Plant (City)
FREMONT—City El. Lt. & Wtr. Plant
Fremont Gas & El. Lt. Co.
FRIEND—City El. Lt. & Wtr. Co.
FULLERTON—Fullerton El. Lt. & Pwr. Co.
GENEVA—Geneva El. Co.
GENOA—City El. Lt. Plant
GOTHENBURG—Platte Valley Farm & Cattle
GRAND ISLAND—City El. Lt. Plant Co.
Grand Island El. Co.
HASTINGS—City El. Lt. Plant
HAVELOCK—Havelock El. Lt. Co.
HEBRON—Hebron Lt., Pwr. & Heating Co.
HOLDREDGE—Holdredge Lighting Co.
HOOPER—El. Lt. Plant
HUMBOLDT—Humboldt El. Lt. Plant.
HUMPHREY—Humphrey Elec. Lt. & Tel. Co.
KEARNEY—Northwestern El. Htg. & P. Co.
LEXINGTON—Lexington Mill & Elevator Co.
LINCOLN—City El. Lt. Plant
Lincoln Gas & Electric Light Co.
Lincoln Traction Co.
McCOOK—McCook Electric Light Co.
MADISON—City El. Lt. Plant
MINDEN—Minden Edison Lt. & Pwr. Co.
NEBRASKA CITY—Nebraska City Water & Light Co.
NELIGH—The Neligh Mills
NELSON—Nelson Lt., Pwr. & Heating Co.
NORFOLK—Norfolk Elec. Light & Power Co.
NORTH PLATTE—North Platte El. Lt. & P. Co.
OMAHA—Omaha El. Lt. & Pwr. Co.
ORD—Ord El. Lt. Co.
PAWNEE CITY—City Lt. & Wtr. Plant (City)
PIERCE—Pierce El. Lt. Plant
PLATTSMOUTH—Nebraska Lighting Co.
RED CLOUD—City El. Lt. Plant
ST. PAUL—St. Paul El. Works
SCHUYLER—Schuyler Elec. Lt. Plant (City)
SEWARD—Town El. Lt. Plant (City)
SIDNEY—Sidney El. Service Co.
SOUTH OMAHA—Omaha El. Lt. & Pwr. Co. (See Omaha)
STANTON—City Lt. & Wtr. Plant
STROMSBURG—Stromsburg Electric Light, Heat & Power Co.
SUPERIOR—Superior Elec. Light Co.
SUTTON—Sutton Electric Light & Power Co.
TECUMSEH—City El. Lt. & Wtr. Plant
TEKAMAH—Tekamah Electric Light Co.
UNIVERSITY PLACE—City El. Lt. Plant
VERDIGRIS—Verdigris El. Lt. Co.
WAHOO—El. Lt. Plant
WAYNE—Municipal Wtr. & Lt. Plant
WEST POINT—West Point El. Lt. & P. Co.
WILBER—City Wtr., El. Lt. & Pwr. Plant
WISNER—City El. Lt. Plant
WYMORE—El. Service Co.
YORK—York El. & Gas Co.

NEVADA.

CARSON—Nevada Pwr., Mining & Milling Co. (See Goldfield)
Truckee River General El. Co.
GOLDFIELD—Nevada, California Pwr. Co.
LAS VEGAS—Consol. Pwr. & Telephone Co.
LOVELOCK—Lovelock Lt. & Pwr. Co.
RENO—Reno Water, Light & Power Co.
RHYOLITE—Nevada, California Pwr. Co.
SPARKS—Reno Pwr., Lt. & Wtr. Co. (See Reno)
TONOPAH—Nevada, California Pwr. Co.
VIRGINIA CITY—Truckee River General Electric Co.
WADSWORTH—Consol. Mining & Milling Co.
WINNEMUCCA—Winnemucca Water & Lt. Co.

NEW HAMPSHIRE.

ALTON—Alton El. Lt. & Pwr. Co.
AMHERST—Milford El. Lt. Co. (See Milford)
ANTRIM—El. Lt. Plant
ASHLAND—Ashland El. Lt. Co.
BARTLETT—Goodrich Falls El. Co.
BELMONT—Tilton El. Co. (See Tilton)
BENNINGTON—(See Antrim)
BERLIN—Berlin El. Lt. Co.
Cascade El. Lt. & Power Co.
BETHLEHEM—Bethlehem Electric Light Co.
BOW—(See Manchester.)
BRADFORD—Bradford Electric Light Co.
BRISTOL—Bristol Electric Light Co.
CHARLESTOWN—Fall Mountain El. Lt. & P. Co.
CLAREMONT—Claremont Pwr. Co.
COLEBROOK—Allen, Wm. F. Co.
CONCORD—Concord El. Co.
CONTOOCOOK—Contoocook El. Lt. Co.
CONWAY—The Conway Chair Co.
DERRY—Derry El. Lt. Co.
DOVER—Twin State Gas & El. Co.
ENFIELD—El. Lt. Plant
EXETER—Rockingham County Lt. & Pwr. Co. (See Portsmouth)
FARMINGTON—Cloutman, J. F. Lt. & P. Co.
FRANKLIN—Franklin Lt. & Pwr. Co.
GOFFSTOWN—Manchester Trac., Lt. & Pwr. Co. (See Manchester)
GORHAM—Cascade El. Lt. & Pwr. Co.
GREENVILLE—Greenville El. Lighting Co.
GROVETON—Groveton El. Lt. Co.
HAMPTON—Rockingham County Lt. & P. Co.
HANOVER—Mascoma El. Lt. & Gas Co.
HENNIKER—Hillsboro El. & Pwr. Co.
HILLSBORO—Hillsboro El. Lt. & Pwr. Co.
HINSDALE—Twin State Gas & El. Co. (See Brattleboro, Vt.)
HOOKSET—(See Manchester Trac. Lt. & Pwr.
HOPKINTON—Contoocook El. Lt. Co.
HUDSON—Nashua Lt., Heat & Pwr. Co. (See Nashua)
KEENE—(Keen) Citizens' El. Co.
Keene Gas & Electric Co.
LACONIA—Laconia El. Lighting Co.
LAKEPORT—Laconia El. Lighting Co.
LANCASTER—Jones & Linscott El. Co.
Lancaster & Jefferson El. Lt. Co.
LEBANON—Lebanon El. Lt. & Pwr. Co.
LISBON—Lisbon Lt. & Pr. Co.
LITTLETON—Littleton Water & Lt. Co. (City)
MANCHESTER—Manchester Trac., Lt. & P. Co.
MARLBORO—Marlboro El. Lt. Co.
MEREDITH—Meredith El. Lt. Co.
MILAN—Cascade Lt. & Pwr. Co. (See Berlin)
MILFORD—Milford Lt. & Pwr. Co.
MILTON MILLS—El. Lt. Plant
NASHUA—Nashua Lt., Heat & Pwr. Co.
NEW BOSTON—New Boston El. Lt. Plant
NEW HAMPTON—New Hampton El. Lt. & P. Co.
NEW MARKET—New Market El. Lt., Pwr. & Heat Co.
NORTH CONWAY—Goodrich Falls El. Co. (See Intervale)
PEMBROKE—Manchester Trac., Lt. & Pwr. (See Manchester)
PENACOOK—Penacook El. Lt. Co.
PETERBORO—City El. Lt., P. & Heat Plant
PLYMOUTH—Plymouth El. Lt. Co.
PORTSMOUTH—Rockingham Lt. & Pwr. Co.
RAYMOND—Raymond El. Lt. Co.
ROCHESTER—United Gas & Electric Co.
RYE—Rockingham County Lt. & Pwr. Co.
SALEM—Salem Lt., Heat & Pwr. Co.
SALMON FALLS—Berwick & Salmon Falls El. Lt. Co. (See South Berwick, Me.)
United Gas & El. Co. (See Dover)
SOMERSWORTH—United Gas & El. Co.
SUNAPEE—Sunapee El. Lt. & Pwr. Co.
SUNCOOK—Manchester Trac., Lt. & P. Co.
TILTON—Tilton Elec. Co. (See Manchester)
WALPOLE—Fall Mountain El. Lt. & Pwr. Co.
WARNER—Contoocook El. Lt. Co. (See Contoocook)
WEST LEBANON—Mascoma El. Lt. & Gas Co. (See White River Junction, Vt.)
WHITEFIELD—Whitefield El. Lt. Co.
WILTON—Milford El. Lt. Co. (See Milford)
WINCHESTER—Ashuelot Valley El. Lt., Heat & Pwr. Co.
WOLFBORO—Wolfboro Fire Precinct El. Lt. Dept.
WOODSVILLE—Woodsville Aqueduct Co.

NEW JERSEY.

ALLENDALE—Rockland El. Co. (See Hellburn, N. Y.)
ANDOVER—Borough El. Lt. Plant
ASBURY PARK—Atlantic Coast El. Lt. Co.
ATLANTIC CITY—Atlantic City El. Co.
ATLANTIC HIGHLANDS—Borough Elec. Light Plant
BAYONNE—Publ. Serv. Corpor. of N. J.
BEDMINSTER—Bernards Wtr. Co. (See Bernardsville)
BELLEVILLE—Publ. Serv. Corpor. of N. J.
BELMAR—Atlantic Coast El. Lt. Co. (See Asbury Park)
BELVIDERE—Warren Wood Working Co.
BEVERLY—Cinnaminson El. Lt. Co. (Riverside)
BLAIRSTOWN—Blair El. Lt. Co.
BLOOMFIELD—Publ. Serv. Corpor. of N. J.
BOONTON—Publ. Serv. Corpor. of N. J.
BORDENTOWN—Bordentown El. Lt. & Mtr. Co.
BOUNDBROOK—Public Service Corp. of N. J.
BRANCHVILLE—Branchville Elec. Lt. Plant
BRIDGETON—Bridgeton Elec. Co.
BURLINGTON—Burlington El. L. & Pr. Co.
CALDWELL—Public Service Corp. of N. J. (See Orange)
CAMDEN—(City owns plant) (Publ. Serv. Corpor. of N. J.
CAPE MAY—Cape May Light & Power Co.
CARLSTADT—Bergen County Gas & El. Co.
CARTARET—Publ. Serv. Corpor. of N. J.
CHATHAM—City El. Lt. Plant
CHESTER—Public Service Corp. of N. J. (See Moorestown)
CLAYTON—The Gloucester County El. Co. (See Pitman Grove)
CLIFTON—Public Service Corp. of N. J. (See Passaic)
CLINTON—Clinton El. Lt. Co.
COLLINGSWOOD—Public Service Corp. of N. J. (See Haddonfield)
CRANBURY—Princeton Lt., Heat & Pwr. Co. (See Princeton)
CRANFORD—Public Service Corp. of N. J. (See Elizabeth)
DOVER—Dover Electric Light Co.
DUNELLEN—Publ. Serv. Corpor. of N. J.
EAST ORANGE—Public Service Corp. of N. J.
EGG HARBOR—Atlantic County El. Co.
ELIZABETH—Publ. Serv. Corp. of N. J.
ENGLEWOOD—Public Service Corp. of N. J. (See Hackensack)
FANWOOD—Public Service Corp. of N. J.
FLEMINGTON—Flemington Elec. Lt., Heat & Pr.
FREEHOLD—Freehold El. Lt. Co.
Manalapan Lt. Co.
FRENCHTOWN—City El. Lt. Plant
GARFIELD—Publ. Serv. Corpor. of N. J.
GLASSBORO—Gloucester County El. Co. (See Pitman Grove)
GLEN RIDGE—Public Service Corp. of N. J.
GLOUCESTER—Publ. Serv. Corpor. of N. J.
GUTTENBURG—Publ. Serv. Corpor. of N. J.
HACKENSACK—Public Service Corp. of N. J.
HACKETTSTOWN—Hackettstown Elec. Lt. Co.
Kennedy El. Co.
HADDON HEIGHTS—Public Service Corp. of N. J.
HAMILTON—Publ. Serv. Corpor. of N. J.
HAMMONTON—Hammonton El. Lt. Co.
HARRISON—Publ. Serv. Corpor. of N. J.

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HASBROUCK HEIGHTS—Gas & El. Co. of Bergen County
HIGHLANDS—Middlesex & Monmouth El. Lt., Heat & Pwr. Co. (See Keyport)
HIGHTSTOWN—Elec. Lt. & Pwr. Co.
HOBOKEN—Public Service Corp. of N. J. El. Dept.
HOPEWELL—Princeton El. Lt. Ht. & P. Co.
JERSEY CITY—Publ. Serv. Corpor. of N. J.
KEYPORT—Middlesex & Monmouth El. Lt., Heat & Pwr. Co.
LAKEWOOD—Lakewood Wtr., Lt. & Pwr. Co.
LAMBERTVILLE—Lambertville Heat, Lt. & Pwr. Co.
LITTLE FALLS—Public Service Corp. of N.J.
LODI—Publ. Serv. Corpor. of N. J.
LONG BRANCH—Consol. Gas Co. of N. J.
MADISON—City El. Lt. Plant
MANASQUAN—Point Pleasant El. Lt. & Pwr. Co. (See Point Pleasant)
MATAWAN—Middlesex & Monmouth El. Lt.,
HORSEHEADS—Elmira Wtr. Lt. & R. R. Co. Ht. & P. Co., & Jersey Central Trac. Co.
MAYS LANDING—Atlantic County El. Co. (See Egg Harbor)
MERCHANTVILLE—Publ. Serv. Corp. of N. J.
METUCHEN—Publ. Serv. Corpor. of N. J.
MILLBURN—Millburn Elec. Co.
MILLVILLE—Millville Elec. Lt. Co.
MONTCLAIR—Public Service Corp. of N. J. (See Orange)
MOORESTOWN—Publ. Serv. Corpor. of N. J.
MORRISTOWN—Morris & Somerset El. Co.
MOUNT HOLLY—Publ. Serv. Corpor. of N. J.
NEWARK—Public Service Corp of N. J.
NEW BRUNSWICK—Publ. Serv. Corpor. of N. J.
NEW EGYPT—New Egypt Elec. Lt. & Pwr. Co
NEWTON—Newton Gas & Electric Co.
NUTLEY—Publ. Serv. Corpor. of N. J.
OCEAN CITY—Ocean City Elec. Lt. Co.
OCEAN GROVE—Ocean Grove Camp Meeting Association
ORANGE—Publ. Serv. Corpor. of N. J.
PALMYRA—Cinnaminson El. Lt. Co. (See Beverly)
PASSAIC—Publ. Serv. Corpor. of N. J.
PATERSON—Public Service Corp. of N. J.
PERTH AMBOY—Publ. Serv. Corpor. of N. J.
PHILLIPSBURG—Easton Gas & El. Co.
PITMAN GROVE—Gloucester Co. Electric Co.
PLAINFIELD—Publ. Serv. Corpor. of N. J.
PLEASANTVILLE—Pleasantville El. Co.
POINT PLEASANT—Point Pleasant Elec. Lt. & Pwr. Co.
PRINCETON—Princeton Lt., Heat & Pwr. Co. University Power Co.
RAHWAY—Publ. Serv. Corpor. of N. J.
RARITAN—Public Service Corp. of N. J. (See Metuchen)
RED BANK—Shore Elec. Co. (See Newark)
RIDGEWOOD—Gas & Electric Co. of Bergen County. (See Hackensack)
RIVERSIDE—Cinnaminson El. Lt. Co.
RIVERTON—Cinnaminson El. Lt. Co. (See Riverside)
ROCKAWAY—Rockaway El. Lt. & Imp. Co.
ROSELLE—Public Service Corp. of N. J. (See Elizabeth)
RUTHERFORD—Gas & El. Co. of Bergen Co.
SALEM—Salem El. Co. (See Hackensack)
SAYREVILLE—Sayreville El. Lt. & Pwr. Co.
SEABRIGHT—Seabright El. Lt. Co. (See Red Bank)
SEACAUCUS—Public Service Corp. of N. J. (See Hoboken)
SEA ISLE CITY—Sea Isle City Elec. Light, Power & Water Co.
SOMERVILLE—Publ. Serv. Corpor. of N. J.
SOUTH AMBOY—Middlesex & Monmouth El. Lt., Heat & Pwr. Co. (See Keyport)
SOUTH ORANGE—Publ. Serv. Corpor. of N. J.
SPRINGFIELD—Millburn El. Co. (See Millburn)
STANHOPE—Willsbrook El. Lt. Co.
SUMMIT—Commonwealth Wtr. & L. Co.
SUSSEX—Woodbourne El. Lt. & Pwr. Co.
SWEDESBORO—The Gloucester County El. Co. (See Pitman Grove)
TOMS RIVER—Toms River & Island Heights Elec. Lt. & Pwr. Co.
TRENTON—Publ. Serv. Corpor. of N. J.
UNION—Publ. Serv. Corpor of N. J.
VERONA—Public Service Corp. of N. J. (See
VINELAND—Boro. El. Lt. Plant Orange)
WALLINGTON—Public Service Corp. (See Rutherford)
WASHINGTON—Washington El. Co.
WENONAH—(See Pitman Grove)
WEST HOBOKEN—Public Service Corp. of N. J. (See Hoboken)
WEST ORANGE—Public Service Corp. of N J. (See Orange)
WHARTON—Dover El. Lt. Co. (See Dover)
WILLIAMSTOWN—Williamstown El. Co.
WOODBINE—Woodbine Land & Imp. Co.
WOODBRIDGE—Cartaret El. Lt. & Pwr. Co. (See Cartaret)
WOODBURY—Publ. Serv. Corpor. of N. J.
WOODSTOWN—Woodstown Ice & Cold Storage Co.

NEW MEXICO.

ALAMOGORDO—Alamogordo El. Lt. & Pwr. Plant
ALBUQUERQUE—Albuquerque Gas, El. Lt. & Albuquerque El. P. Co. P. Co.
CARLSBAD—Public Utilities Co.
CLAYTON—Clayton El. Lt. & Wtr. Supply Co.
DEMING—Deming Ice & Electric Co.
GALLUP—Gallup El. Lt. Co.
LAS CRUCES—Las Cruces El. Lt. & Ice Co.
LAS VEGAS—Las Vegas Ry. & Pwr. Co.
RATON—Raton El. Lt. & Pwr. Co.
ROSWELL—Roswell El. Lt. Co.
SAN MARCIAL—The San Marcial El. Lt. Wks.
SANTA FE—Santa Fe Water & Elec. Co.
SILVER CITY—New Mex. Lt., Ht. & P. Co.

NEW YORK.

ADAMS—Adams Elec. Light Co.
ADDISON—Addison Elec. Lt. & Pwr. Co.
AKRON—City El. Lt. Plant
ALBANY—Albany Elec. Illuminating Co.
ALBION—Albion Power Co.
ALEXANDRIA BAY—St. Lawrence International El. R. R. & Land Co.
AMITYVILLE—Amityville Elec. Light Co.
AMSTERDAM—Edison El. Lt. & P. Co. Empire State Power Co.
ANDOVER—Andover El. Pwr. & Lt. Co.
ANTWERP—Antwerp El. Lt. Plant
ATHENS—Sayre El. Co. (See Waverly) Upper Hudson El. Co. (Newburgh)
ATTICA—Attica Wtr., Gas & El. Lt. Co.
AUBURN—Auburn Light, Heat & Power Co.
AVON—Avon El. Co.
BABYLON—Babylon E. L. Co.
BAINBRIDGE—Standard Lt., Heat. & P. Co.
BALDWIN—Nassau Lt. & P. Co. (See Roslyn)
BALDWINSVILLE—Oswego River Trans mission Co. (See Syracuse) Seneca River Pwr. Co.
BALLSTON SPA—Ballston Spa Lt. & P. Co.
BATAVIA—City El. Lt. Plant (City) Genesee County El. Lt., Pwr. & Gas Co.
BATH—Bath Electric & Gas Light Co.
BAY SHORE—Suffolk Gas & El. Co.
BELMONT—Chasm Pwr. Co. (See Chateaugay)
BINGHAMTON — Binghamton Light, Heat & P. Co.
BLACK RIVER—Jefferson Paper Co.
BOONVILLE—Boonville El. Lt. (City Plant)
BRASHER FALLS—El. Lt. Plant
BREWSTER—Juengst, Geo. & Sons. (See Crotton Falls
BROCKPORT—Brockport El. Co.
BROCTON—City El. Lt. Plant
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo General El. Co. Cataract Pwr. & Conduit Co. (Distributers of Niagara Falls Pwr.) Niagara, Lockport & Ont. Power Co.
CAMBRIDGE—Consol. El. Co. (See Greenwich)
CAMDEN—El. Lt. Plant. (M. P. Osborne) Town El. Lt. Plant
CANAJOHARIE—Montgomery El. Lt. & P. Co.
CANANDAIGUA—Ontario Lt. & Trac. Co.
CANASTOTA—Central New York Pwr. Co., 86 Lafayette, Utica N. Y. Madison County Gas & El. Co.
CANDOR—Seely, S. A. Estate
CANTON—Canton Elec. Light & Pwr. Co.
CAPE VINCENT—City El. Lt. Plant
CARTHAGE—Carthage Elec. L. & P. Co.
CASTILE—El. Lt. Plant (City)
CATSKILL—Catskill Illum. & Power Co.
CATTARAUGUS—Cattaraugus El. Lt. & P. Co.
CAZENOVIA—Cazenovia Electric Co.
CHAMPLAIN—Champlain Electric Co.
CHARLOTTE—Village Lt. & Wtr. Plant
CHATEAUGAY—Chasm Pwr. Co. Chateaugay El. Lt. & Pwr. Co.
CHATHAM—Chatham Elec. Lt., Heat & P. Co.
CHESTER—Orange & Rockland El. Co. (See Monroe)
CITY ISLAND—Westchester Lighting Co. (See New York City, Borough of Bronx)
CLAYTON—Thousand Island El. Lt. & Pwr. Co. (Ltd.)
CLIFTON SPRINGS—City El. Lt. Plant
CLINTON—City El. Lt. Plant College Hill El. Lt. Co. Franklin Spr. El. Co.
CLYDE—Wayne County Electric Co.
COBLESKILL—Courter Elec. Co.
COEYMANS—Atlantic Lt. & Pwr. Co. Upper Hudson El. Co.
COHOES—Cohoes Gas Lt. Co.
COLD SPRING—Cold Spring Lt., Ht. & P. Co.
COLD SPRING HARBOR—Huntington Lt. & Pwr. Co.
COOPERSTOWN—Clinton Mills Pwr. Co.
CORINTH—Corinth Electric Light Co.
CORNING—Corning Gas & Electric Co.
CORNWALL—Hudson County Gas & El. Co.
CORNWALL ON THE HUDSON—Hudson Counties Gas & El. Co.
CORTLAND—Cortlandt City Trac. Co.
COXSACKIE—Upper Hudson El. Co.
CROTON ON HUDSON—Northern Westchester Lighting Co.
DANSVILLE—Dansville Gas & El. Lt. Co.
DELHI—Delhi Electric Co.
DEPEW—The Depew & Lancaster Lt., Pwr. & Conduit Co. (See Lancaster)
DEPOSIT—Deposit Electric Co.
DEXTER—Dexter El. Lt. & Pwr. Co.
DOLGEVILLE—Utica Gas & El. Co.
DOVER PLAINS—Morgan & Wyman El. Lt. &
DUNDEE—Dundee El. Lt. Plant P. Co.
DUNKIRK—City El. Lt. Plant Dunkirk Pwr. & Heating Plant
EARLVILLE—Earlville El. Lt. Co.
EAST AURORA—East Aurora Elec. Light Co.
EAST HAMPTON—E. Hampton El. Lt. Co.
EAST ROCHESTER—Eastern Monroe El. Lt. & Gas Co.
EAST SYRACUSE—Syracuse Lighting Co.
ELLENVILLE—Ellenville El. Co. Honk Falls Pwr. Co.
ELMIRA—Elmira Water, Light & R. R. Co.
FAIRPORT—Village El Lt. Plant (City)
FALCONER—Falconer El. Lt. Plant
FAR ROCKAWAY—(See New York City, Borough of Queens)
FAYETTEVILLE—Syracuse Elec. Light Co. (See Syracuse)
FISHKILL ON THE HUDSON—Fishkill El. Ry. Co. Southern Dutchess Gas & El. Co.
FLORAL PARK—Nassau Lt. & Pwr. Co.
FLUSHING—(See New York City, Borough of Queens)
FONDA—Cayadutta Generating Co.
FORT EDWARD—United Gas El. & F. Co.
FORT PLAIN—Fort Plain Gas & Elec. Light, Heat & Power Co.
FRANKFORT—Town El. Lt. Plant (City)
FRANKLINVILLE—Empire El. Co.
FREDONIA—Buffalo & Lake Erie Trac. Co. City El. Lt. Plant
FREEPORT—City El. Lt. Plant
FULTON—Fulton Light, Heat & Power Co.
FULTONVILLE—Cayadutta Generating Co.
GENESEO—Geneseo Gas Lt. Co.
GENEVA—Geneva-Seneca El. Co.
GLEN COVE—Glen Cove Lt. & Pwr. Co.
GLENS FALLS—Glens Falls Gas & El. Lt. Co. Hudson River Elec. Co.
GLOVERSVILLE—Fulton County Gas & El. Co.
GOSHEN—Goshen Lt. & Pwr. Co.
GOUVERNEUR—Oswegatchie Lt. & Pwr. Co.
GOWANDA—Keyes El. Co.
GRANVILLE—Granville El. Lt. & Gas Co.
GREAT NECK—Nassau Lt. & Pwr. Co. (See Roslyn)
GREENEBURG—Westchester Lighting Co.
GREENE—Greene Elec. Lt. Plant (City)
GREEN ISLAND—City El. Lt. Plant
GREENPORT—Village El. Lt. & Wtr. Plant
GREENWICH—Consolidated Elec. Co.
GROTON—Town El. Lt. Plant (City)
HAMILTON—Hamilton Water & Light Plant (Village)
HAMMONDSPORT — Hammondsport Electric Light Co.
HANCOCK—Deposit El. Co. (See Deposit)
HARRISON—Westchester Lighting Co. (See New Rochelle)
HASTINGS—Westchester Lighting Co. (See Mount Vernon)
HAVERSTRAW—Rockland Lt. & Pwr. Co.
HEMPSTEAD—Nassau Lt. & Pwr. Co. (See Roslyn)
HERKIMER—City Elec. Lt. Plant (City) Herkimer County Lt. & Pwr. Co.
HICKSVILLE—Nassau Lt. & P. Co. (Roslyn)
HIGHLAND—Poughkeepsie Lt., Heat & Pwr. Co. (See Poughkeepsie)
HIGHLAND FALLS—Buttermilk Falls Elec. Co.
HILLBURN—Rockland Elec. Co.
HOLLEY—City El. Lt. Plant
HOMER—Cortlandt & Homer El. Co.
HONEOYE FALLS—Lima-Honeoye El. Lt. & R. R. Co.
HOOSICK FALLS—Hoosic Falls Illg. Co.
HORNELL—Hornell El. Co.
HUDSON—Albany & Hudson R. R. Co.
HUNTINGTON—Huntington Light & Power Co.
HYDE PARK—Nassau Lt. & Pwr. Co. (See Roslyn) Poughkeepsie Lt., Heat & Pwr. Co. (See Poughkeepsie)

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ILION—Village Elec. Light Plant.
INWOOD—Queens Borough Gas & El. Co. (See New York)
IRVINGTON—Westchester Lighting Co. (See Mount Vernon)
ITHACA—Ithaca El. Lt. & P. Co.
JAMAICA—New York & Queens El. Lt. & P. Co. (See New York City, Borough of Queens)
JAMESTOWN—Jamestown Lighting & Pr. Co.
Municipal Electric Lighting Plant.
JOHNSTOWN—Fulton County Gas & El. Co. (City owns plant)
JORDAN—Jordan Elec. Light & Power Co.
KEESEVILLE—Keeseville Elec. Co.
KINGSTON—Kingston Gas & Electric Co.
LAKE PLACID—City El. Plant.
LANCASTER—Depew & Lancaster Light, Pwr. & Conduit Co.
LANSINGBURGH—Beacon El. Co. (See Troy)
LA SALLE—Niagara Falls Gas & El. Co. (See Niagara Falls)
LAWRENCEVILLE—El. Lt. Plant
LE ROY—Le Roy Hydraulic Elec. Co.
LESTERSHIRE—Bingnamton Lt., Heat & Pwr.
LIBERTY—Liberty Lt. & Pwr. Co. Co.
LINDENHURST—Babylon El. Lt. Co.
LITTLE FALLS—Utica Gas & El. Co.
LITTLE VALLEY—Town El. Lt. Plant (City)
LIVERPOOL—Syracuse Lighting Co.
LOCKPORT—Lockport Lt., Heat & Pwr. Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LOWVILLE—Wetmore Electric Co.
LYNBROOK—Queens Borough Gas & El. Co.
LYONS—Wayne County Electric Co.
MALONE—Malone Light & Power Co,
MAMARONECK—Westchester Lighting Co. (See New Rochelle)
MANHATTAN BEACH—(See New York City, Borough of Brooklyn)
MANLIUS—Manlius El. Lt. Plant
MARATHON—Marathon El. Lt. Plant (City)
MARLBORO—Newburgh Lt., Heat & Pwr. Co. (See Newburgh)
MASSENA—Massena El. Lt. & Pwr. Co.
St. Lawrence River Pwr. Co.
MATTEAWAN—Citizens' R. R. Lt. & Pwr. Co.
MAYVILLE—City El. Lt. Plant
MECHANICSVILLE—Halfmoon Lt. Heat & Pwr. Co.
Mechanicsville Electric Light & Gas Co.
MEDINA—Swett, A. L. El. Lt. & Pwr. Co.
MEXICO—Mexico Elec. Lt. Co.
MIDDLEBURG—Middleburg & Shoharie Elec. Lt., Heat & Pwr. Co.
MIDDLEPORT—Albion Pwr. Co. (See Albion)
Sweet, A. L. El. Lt. & Pwr. Co.
MIDDLETOWN—Orange County Lighting Co.
MIDDLEVILLE—El. Lt. Co.
MINEOLA—(See Roslyn)
MOHAWK—Herkimer County Lt. & Pwr. Co.
Town El Lt. Plant (See Little Falls)
MONROE—Orange & Rockland El. Co.
MONTICELLO—Murray Elec. Lt. & Pwr. Co.
MONTOUR FALLS—Montour Falls Elec. Lt.
MORAVIA—Moravia Elec. Co. Co.
MORRISVILLE—Morrisville El. Lt. Co.
MOUNT KISCO—Westchester Lighting Co.
MOUNT MORRIS—Mount Morris Illg. Co.
MOUNT VERNON—Westchester Lighting Co.
NANUET—Rockland Lt. & Pwr. Co. (See Nyack)
NEWARK—New Light, Heat & Power Co.
NEW BALTIMORE—Upper Hudson El. Co. (See Newburgh)
NEW BERLIN—New Berlin Light & Pwr. Co.
NEWBURGH—Newburgh Lt., Ht. & Pwr. Co.
Upper Hudson Electric Co.
NEW HARTFORD—Utica Gas & El. Co. (See Utica)
NEW PALTZ—El. Lt. Co. of New Paltz
NEW ROCHELLE—Westchester Lighting Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Edison El. Illg. Co., 358 Pearl
Flatbush Gas Co., 819 Flatbush av

Boroughs of Manhattan & Bronx.

NEW YORK—American Lt. & Trac. Co., 40
Bronx Gas & El. Co., c Main & 2d Wall
Brush El. Illg. Co. (The), 55 Duane
Great Western Pwr. Co.
Long Acre Lt. & Pwr. Co., 30 Pine
National Lt., Heat & Pwr. Co., 30 Pine
New York Edison Co (The), 55 Duane
North American Co. (The), 80 Broad
Railways Company General, 30 Broad
Westchester Lighting Co. of Mount Vernon

Borough of Queens.

FAR ROCKAWAY—Queens Borough Gas & El. Co., 347 Central av
LONG ISLAND CITY—New York & Queens El. Lt. & Pwr. Co., 244 Jackson av, L. I. City. (See Flushing)

Borough of Richmond.

NEW BRIGHTON—Richmond Lt. & R. R. Co., Jay st.

(End of New York City)

NIAGARA FALLS—Buffalo & Niagara Falls El. Lt. & Pwr. Co.
Niagara Falls Gas & El. Co.
Niagara Falls Hydraulic Power & Mfg. Co.
Niagara Falls Power Co.
Suburban Pwr. Co.
NORFOLK—Norwood El. Lt. & Pwr. Co. (See Norwood)
NORTHPORT—Northport Elec. Light Co.
NORTH TONAWANDA—Tonawanda Pwr. Co.
NORTHVILLE—Northville Elec. Lt. & P. Co.
NORWICH—Norwich Gas & Electric Co.
NORWOOD—Norwood Elec. Lt. & Pwr. Co.
NUNDA—Nunda Casket Co.
NYACK—Rockland Light & Power Co.
OGDENSBURG—Ogdensburg Power and Light
OLEAN—Genesee Valley Power Co. Co.
Olean Electric Light & Power Co.
ONEIDA—Madison County Gas & Electric Co.
ONEONTA—Oneonta Elec. Lt. & Power Co.
OSSINING—Northern Westchester Light Co.
OSWEGO—People's Gas & Electric Co.
OTTO—Otto El. Lt. Co.
OVID—Ovid Electric Light Co.
OWEGO—Owego Light & Power Co.
OXFORD—Oxford Elec. Lt. Co.
OYSTER BAY—Oyster Bay El. Lt. & Pwr. Co.
PALMYRA—Palmyra Gas & Electric Co.
PATCHOGUE—Patchogue Elec. Light Co.
PEARL RIVER—Rockland Lt. & Pwr. Co.
PEEKSKILL—Peekskill Lighting & R. R. Co.
PENN YAN—City Electric Light Plant (City)
Yates Electric Light & Power Co.
PERRY—Perry Elec. Light Co.
PHELPS—El. Lt. Plant
PHOENIX—Seneca River Power Co.
PIERMONT—Rockland Lt. & Pwr. Co. (See Nyack)
PITTSFORD—Despatch Heat, Lt. & Pwr. Co.
PLATTSBURG—Lozier Light & Power Co.
Plattsburg Light, Heat & Power Co.
PLEASANTVILLE—Northern Westchester Ltg. Co. (See Ossining)
PORT CHESTER—Westchester Lighting Co. (See New Rochelle)
PORT HENRY—Port Henry Lt., Ht. & P. Co.
PORT JEFFERSON—Port Jefferson El. Lt. Co.
PORT JERVIS—Port Jervis El. Lt., Pwr., Gas & R. R. Co.
PORT WASHINGTON—Nassau Lt. & Pwr. Co.
POTSDAM—City El. Lt. Plant (See Roslyn)
Hannawa Falls Wtr. Pwr. Co.
Potsdam El. Lt. & Pwr. Co.
POUGHKEEPSIE—Poughkeepsie Lt., Ht. & P.
PULASKI—Pulaski El. Lt. Co. Co.
RANDOLPH—Randolph El. Lt. Plant
RAVENA—Atlantic Lt. & Pwr. Co. (See New-Upper Hudson El. Co. burgh)
RED HOOK—Red Hook Lt. & Pwr. Co.
RENSSELAER—Albany & Hudson Ry. Co.
RHINEBECK—Dutchess Lt., Ht. & Pwr. Co.
RICHFIELD SPRINGS—Richfield Springs Electric Light & Power Co.
RIVERHEAD—Hallett Bros. Electric Co.
Riverhead Electric Light Co
ROCHESTER—Rochester Railway & Lt. Co.
ROCKVILLE CENTER—Village Elec. Lt. Plant
ROME—Rome Gas, Elec. Lt. & Pwr. Co.
ROSENDALE—Houk Falls Pwr. Co. (See Ellenville)
ROSLYN—Nassau Light & Power Co.
ROUSES POINT—City El. Lt. Plant
RYE—Westchester Lighting Co. (See Mount Vernon)
SACKETTS HARBOR—Dexter El. Lt. & Pwr. Plant. (See Dexter)
SAG HARBOR—Sag Harbor El. Lt. & P. Co.
ST. JOHNSVILLE—East Creek Electric Light & Power Co. (East Creek)
ST. REGIS FALLS—St. Regis Lt. & Pwr. Co.
SALAMANCA—Salamanca Wtr. & Lt. Plant
SALEM—Peoples National Bank of Salem
SANDY HILL—United Gas, Elec. Light, & Fuel Co.
SARANAC LAKE—Paul Smith's El. Lt., Pwr. & R. R. Co.
SARATOGA SPRINGS—Saratoga Gas, Electric Light & Power Co.
SAUGERTIES—Ellster Electric Light, Heat &
SAYVILLE—Sayville El. Co. Power Co.
SCHAGHTICOKE—Schenectady Pwr. Co.
Water Pwr. Plant
SCHENECTADY—Schenectady Illg. Co.
SCHOHARIE—Middleburg & Schoharie El., Heat & Pwr. Co.
SCHUYLERSVILLE—Consolidated El. Co. (See Greenwich)
SCOTIA—Schenectady Illg. Co. (See Schenectady)
SCOTTSVILLE—Scottsville El. Lt. & Gas Co.
SEA CLIFF—Nassau Lt. & Pwr. Co. (See Roslyn)
SENECA FALLS—Geneva-Seneca El. Co.
SHERBURNE—City El. Lt. Plant
SHERMAN—Sherman Elec. Light Co.
SHORTSVILLE—Ontario Lt. & Trac. Co. (See Canandaigua)
SILVER CREEK—People's El. Lt. & P. Co.
SKANEATELES—City El. Lt. Plant
SLOAN—Depew & Lancaster Lt., Pwr. & Conduit Co. (See Lancaster)
SODUS—Sodus Gas & El. Lt. Co.
SOUTHAMPTON—Suffolk Lt., Heat & P. Co.
SOUTH GLEN FALLS—United Gas, Electric
SPENCER—Seely, S. A. Light & Fuel Co.
SPRING VALLEY—Rockland Lt. & Pwr. Co. (See Nyack)
SPRINGVILLE—City Elec. Light Plant (City)
STAMFORD—West Branch Lt. & Pwr. Co.
STILLWATER—Halfmoon Light, Heat & Power
STOCKHOLM—El. Lt. Plant Co.
SUFFERN—Rockland El. Ct. (See Hilburn)
SYRACUSE—Oswego River Pwr. Transmission Co., 724 University blk.
Syracuse Lighting Co., 112 E. Jefferson
TARRYTOWN—Westchester Lighting Co.
THERESA—City Lighting Plant
Theresa El. Lt. & Pwr. Co.
TICONDEROGA—Ticonderoga El. Lt. & P. Co.
TONAWANDA—Tonawanda Pwr. Co. (See N. TROY—Beacon El. Lt. Co. Tonawanda)
Troy Gas. Co.
TRUMANSBURG—Trumansburg El. Co.
TULLY—Village Elec. Lt. Plant (Village)
TUPPER LAKE—City El. Lt. Plant
TUXEDO PARK—Tuxedo Elec. Light Co.
UNADILLA—Standard Lt., Heat & Pwr. Co.
UNION—City El. Lt. Plant
VALATIE—Albany & Hudson R. R. Co.
WALDEN—Wallkill Valley Elec. Lt. & P. Co.
WALTON—Walton Electric Light Co.
WAPPINGERS FALLS—Village Electric Light Plant (City)
WARRENSBURG—Warrensburg El. Lt. Wks.
WARSAW—Warsaw Gas & Electric Co.
WARWICK—Warwick Valley Lt. & Pwr. Co.
WATERFORD—Waterford El. Lt., H. & P. Co.
WATERLOO—Geneva-Seneca El. Co. (See Seneca Falls)
WATERTOWN—Watertown Lt. & Pwr. Co.
WATERVILLE—Waterville Gas & El. Co.
WATERVLIET—City El. Lt. Plant (City)
Glens Falls Gas & El. Lt. Co. (See Glens Falls)
WATKINS—City Wtr., Lt. & Sewerage Plant
Watkins El. Lt. & Pwr. Co.
WAVERLY—Sayre El. Co. (Sayre, Pa.)
WAYLAND—Wayland El. Lt. & Pwr. Co.
WEEDSPORT—Weedsport Elec. Light Co.
WELLSVILLE—Wellsville El. Lt., H. & P. Co.
WESTFIELD—Village El. Lt. Plant (Village)
WEST SAYVILLE—Sayville El. Co.
WEST SENECA—Buffalo General El. Co.
WHITEHALL—Consolidated Lt. & Power Co
WHITE PLAINS—Central El. Lt. & Pwr. Co.
Westchester Lighting Co. (New Rochelle)
WHITESBORO—(See Utica Gas & El. Co.)
WOLCOTT—Wolcott Elec. Lt. & Pwr. Co.
WORCESTER—Worcester Electric Light Co.
YONKERS—Yonkers El. Lt. & Pwr. Co., 55 Duane, New York City

NORTH CAROLINA.

ASHBORO—Ashboro El. Co.
ASHEVILLE—Asheville Elec. Co.
W. T. Weaver Power Co.
BURLINGTON—Village Electric Plant (City)
CHAPEL HILL—University of N. C. Elec. Light Plant
CHARLOTTE—Charlotte El. Ry., Lt. & Pwr. Co.
Southern Pwr. Co. Co.
CONCORD—Concord El. Lt. (City Plant)
DUNN—City El. Lt. & Wtr. Co.
DURHAM—Durham Traction Co.
EDENTOWN—City El. Lt. & Wtr. Wks.
ELIZABETH CITY—El. Lt. & P. Plant (City)
ELKIN—Elkin Elec. Light & Power Co.
FAYETTEVILLE—Carolina Lt. & Pwr. Co. (See Raleigh)
El. Lt. & Pwr. Plant (City)
GASTONIA—Elec. & Water Works (City)
GOLDBORO—Elec. Light Plant (City)
GRAHAM—Graham Water & Elec. Co.
Southern Public Service Corp., Bond bldg., Washington, D. C.
GREENSBORO—Greensboro El. Co.

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GREENVILLE—Water & Light Plant (City)
HENDERSON—Henderson Lighting & Power Co.
HENDERSONVILLE—Hendersonville Lt. & P.
HERTFORD—Albermarle Ice Co. Co.
HICKORY—Thornton Light & Power Co.
HIGH POINT—High Point Electric Power Co.
Municipal El. Lt. Plant
KINGS MOUNTAIN—City El. Lt. Plant
KINSTON—Kinston Electric Light Plant (City)
LAURINBURG—City El. Lt. Plant
LENOIR—Lenoir Citizens' Light & Power Co.
LEXINGTON—Lexington Wtr. & Lt. Plant
LOUISBURG—City El. & Wtr. Plant
MARION—Marion Lt. & Pwr. Plant
MAXTON—Carolina Electric Co.
MONROE—Monroe El. Lt. Plant
MOORESVILLE—City El. Lt. & Pwr. Plant
MOREHEAD—Elec. Light Plant (City)
MORGANTOWN — Morgantown El. Lt. Plant (City)
MOUNT AIRY—Town Elec. Light Plant (City)
NEWBERNE—Newberne El. Lt. Plant (City)
NEWTON—Newton Elec. Light Plant (City)
NORTH WILKESBORO—El. Lt. & Pwr. Plant
OXFORD—Water & Light Co. (City)
RALEIGH—Carolina Lt. & Pwr. Co.
Consumers Lt. & Pwr. Co. (See Sanford)
Raleigh El. Co.
REIDSVILLE—Reidsville Wtr. & Lt. Plant
ROANOKE RAPIDS—Roanoke Navigation & Wtr. Pwr. Co.
ROCKINGHAM—Elec. Light Plant (City)
Rockingham Pwr. Co.
ROCKY MOUNT—Elec. Light Plant (City)
ROPER—John L. Roper.
SALEM—Fries Mfg. & Pwr. Co. (See Winston Salem)
SALISBURY—Salisbury & Spencer Ry. Co.
Whitney Co., The
SANFORD—Consumers Lt. & Pwr. Co.
SCOTLAND NECK—El. Lt. & Pwr. Plant
SHELBY—Shelby Electric Light Co.
Lily Mill. & Power Co.
SOUTHERN PINES—R. L. Chandler Elec. Light Plant
So Pines & Carthage Electric Light Works
SPENCER—Salisbury & Spencer Ry. Co. (See Salisbury)
STATESVILLE—City Electric Light Plant
TARBORO—Electric Light Plant (City)
THOMASVILLE—Thomasville Lt. & Pwr. Co.
WADESBORO—City El. Lt. Plant
WASHINGTON—Washington Light & Water Plant (City)
WAYNESVILLE—Hayward El. Power Co.
WELDON—Roanoke Navigation & Wtr. Pwr. Co.
WILMINGTON—Consolidated Ry., Light & Power Co.
Rockingham Power Co. Co.
Tidewater Pwr. Co.
WILSON—City Elec. Light Plant (City)
WINSTON SALEM—Fries Mfg. & Power Co.

NORTH DAKOTA.

BISMARCK—Hughes Electric Co.
BOTTINEAU—El. Lt. Plant
CANDO—Cando El. Lt. & Telephone Co.
CARRINGTON—Western El. Co.
CASSELTON—Casselton Elec. Light Plant
COOPERSTOWN—Platt El. Co.
DEVILS LAKE—Devils Lake Improvement Co.
DICKINSON—Dickinson Elec. Light Plant
ENDERLIN—Enderlin El. Lt. & Pwr. Co.
FARGO—Lt. & Wtr. Co.
Union Lt., Heat & Pwr. Co.
GRAFTON—City Lt. & Wtr. Co.
GRAND FORKS—City Elec. Light Plant (City)
Grand Forks Gas & Elec. Co.
HILLSBORO—City El. Lt. Plant
JAMESTOWN—Western El. Co.
KENMARE—Kenmare Lt. & Pwr. Co.
LANGDON—Langdon El. Lt. Co.
LARIMORE—City El. Lt. Plant
MANDAN—Mandan Electric Co.
MAYVILLE—City El. Lt. Plant
MINOT—Minot Lt. & Telephone Co.
PARK RIVER—City El. Lt. & Wtr. Wks.
RUGBY—Tompkins El. Co.
VALLEY CITY—City Lt. & Wtr. Wks.
WAHPETON—Northern Light Elec. Co.
WILLISTON—City El. Lt. Plant

OHIO.

ADA—Ada Wtr., Heat & Light Co.
AKRON—Northern Ohio Trac. & Lt. Co.
ALLIANCE—Alliance Gas & Pwr. Co.
ANTWERP—El. Lt. Plant
ARCANUM—City El. Lt. & Wtr. Wks. Plant
ARLINGTON—City El. Lt. Plant
ASHLAND—Ashland Gas & El. Lt. Co.
ASHTABULA—City El. Lt. Plant (City)
ATHENS—Athens Light & Elec. Plant (City)
BAINBRIDGE—Village El. Lt. & Wtr. Wks. Plant
BARBERTON—North. Ohio Trac. & Light. Co.
BARNESVILLE—Barnesville Gas & E. L. Co.
BATAVIA—City El. Lt. & Wtr. Wks.
BEDFORD—Electric Light & Power Co.
BELLAIRE—Bellaire Light & Power Co.
BELLE CENTER—El. Lt. & Pwr. Plant
BELLEFONTAINE—Elec. Light Plant (City)
BELLEVILLE—Belleville El. Lt. Plant
BELLEVUE—Bellevue Illg. & Pwr. Co.
BEREA—City El. Lt. Plant & Wtr. Wks.
BLANCHESTER—City El. Lt. Plant & Wtr. Works
BLOOMDALE—Bloomdale El. Lt. Co.
BLUFFTON—City El. Lt. & Wtr. Plant
BOWLING GREEN—Lake Erie, Bowling Green & Napoleon Ry. Co.
BRADFORD—Ohio Public Service Co.
BRADNER—City El. Lt. Plant
BRIDGEPORT—Bridgeport Elec. Lt. & Pr. Co.
BRYAN—Bryan Water & Elec. Light Plant (City)
BUCYRUS—Bucyrus Gas & Elec. Light Co.
BURTON—Burton Electric Co.
CADIZ—Cadiz Elec. Lt. & P. Co.
CALDWELL—City El. Lt. & Wtr. Wks. Plant
CAMBRIDGE—Cambridge P., Lt. & Trac. Co.
CAMDEN—Camden Electric Light Co.
CANAL DOVER—Beyer & Lieser El. Co.
Tuscarawas County El. Lt. & Pwr. Co.
(See New Philadelphia)
CANAL FULTON—Massillion Lt., Heat & Pwr.
CANTON—Canton El. Co. Co.
CARDINGTON—Cardington Elec. Light, Heat & Power Co.
CAREY—Carey Elec. Light & Water Works (City)
CARROLLTON—Carrollton Electrical Co.
CARTHAGE—City Elec. Lt. Plant (City)
CEDARVILLE—Cedarville Lt. & Pwr. Co.
CELINA—Celina Elec. Light Plant (City)
CHAGRIN FALLS—Chagrin Falls Elec. Co.
CHARDON—El. Lt. Wks.
CHICAGO JUNCTION—El. Lt. & Wtr. Wks.
CHILLICOTHE—Chillicothe Elec. R. R., Lt. & P. Co.
CINCINNATI—Cincinnati Gas & El. Co., 4th & Plum
CIRCLEVILLE—Circleville L. & Pr. Co.
CLEVELAND—City El. Lt. Plant (City)
Cleveland El. Illuminating Co.
Cleveland Light & Power Co.
Cuyahoga Lt. Co., 2035 E. 8d
CLYDE—Village Elec. Lt. Plant (Village)
COLLINWOOD—City El. Lt. Plant
COLUMBIANA—Water & El. Lt. Plant
COLUMBUS—Columbus Ry. & Lighting Co.
Columbus El. Lt. Plant (City)
Columbus Public Service Co.
COLUMBUS GROVE—City El. Lt. Plant
CONNEAUT—Municipal Elec. Lt. Plant (City)
CONTINENTAL—Continental Electric Co.
COSHOCTON—Coshocton Light & Heating Co.
COVINGTON—Falls El. Co.
CRESTLINE—Cantine, W. W. & Co.
Crestline Ill. Co.
CUYAHOGA FALLS—City El. Lt. & Wtr. Plant
DAYTON—Dayton Lighting Co.
Dayton Citizens' Electric Co.
DEFIANCE—People's Gas & Elec. Co.
DE GRAFF—Village Elec. Lt. Plant (Village)
DELAWARE—Delaware El. Lt., Heat & Pwr.
DELPHOS—Delphos El. Lt. & Pwr. Co. Co.
DELTA—Delta Electric Light Co.
DENNISON—United Electric Co.
DESHLER—Deshler Lt. & Pwr. Plant
DILLONVALE—Dillonvale Heat., Lt., Pwr. & Wtr. Co.
DRESDEN—Dresden El. Lt. & Water Wks. Plant
EAST LIVERPOOL—East Liverpool Lt. & Trac. Co.
EAST PALESTINE—East Palestine Elec. Light Works (City)
EATON—Eaton Elec. Lt., Power & Ice Mfg. Co
ELYRIA—Citizens' Gas & Electric Co.
Ely Realty Co.
Elyria Milling & Pwr Co.
FINDLAY—Toledo, Urban & Interurban Ry. Co.
FOREST—Manufacturers' Lt. & Pwr. Co.
FORT RECOVERY—City El. Lt. Plant
FOSTORIA—City Heat & Light Co.
FRANKFORT—City Elec. Lt. Plant
FRANKLIN—Franklin Elec. Light Co.
FREMONT—Fremont Yarijan Co.
GALION—City El. Lt. Plant
GALLIPOLIS—Gallipolis Gas & Coke Co.
GARRETTSVILLE—Payne Electric Co.
GENEVA—United Lt. & Pwr. Co.
GEORGETOWN—City El. Lt. Plant
Georgetown Electrical & Supply Co.
GERMANTOWN—Germantown Elec. Plant (City)
GIBSONBURG—Gibsonburg El. Lt. & Telephone Co.
GIRARD—Youngstown Gas & El. Co. (See Youngstown)
GRANVILLE—City Elec. Lt. Plant
GREENFIELD—Greenfield Water & Elec. Lt. Plant (City)
GREENVILLE—Greenville Elec. Lt. & Power Plant (City)
GREENWICH—Village El. Lt. Plant (Village)
HAMILTON—Hamilton Electric Light Co.
Town Electric Light Plant (City)
HARRISON—Harrison Light & Water Co.
HICKSVILLE—Hicksville Elec. Light Co.
HILLSBORO—Hillsboro Lt. & Fuel Co.
HOLGATE—Town El. Lt. & Wtr. Wks.
HUBBARD—Village El. Lt. Plant (Village)
HURON—City El. Lt. Plant (City)
IRONTON—Camden Interstate Ry Co.
JACKSON—City El. Lt. Plant (City)
JAMESTOWN—Jamestown El. Lt. Co.
JEFFERSON—Jefferson Lt. & Power Co.
KENT—Kent Water & Light & Pwr. Co.
KENTON—Kenton Gas & Elec. Co.
LAKEWOOD—Cleveland El. Illg. Co.
LANCASTER—Lancaster Elec. Light Co.
LA RUE—Slauser, J. A. Lumber Co.
LEBANON—City El. Lt. Plant (City)
LEETONIA—People El. Lt. & Pwr. Co.
LEIPSIC—Leipsic Electric Light Co.
LIMA—Lima & Toledo Trac. Co.
LISBON—New Lisbon Gas Co.
LOGAN—Citizens' Elec. Lt. Co.
LONDON—City El. Lt. Plant (City)
LORAIN—Citizens' Gas & El. Co.
LOUDONVILLE—Village Elec. Lt. Plant
LOVELAND—Loveland Citizens El. Co.
LOWELLVILLE—City Elec. Lt. Plant
LYNCHBURG—Village Elec. Lt. Plant (Village)
McARTHUR—City El. Lt. Plant
McCOMB—McComb El. Lt. Plant
McCONNELSVILLE—McConnelsville-Malta El. Co.
MADISONVILLE—City El. Lt. & Wtr. Plant
MALTA—McConnelsville-Malta El. Co.
MANCHESTER—El. Lt. Plant (City)
MANSFIELD—Mansfield Railway Light & Pwr. Co.
MARIETTA—City El. Lt. Plant
Parkersburg, Marietta & Interurban Ry. Co.
MARION—The Col., Del. & Marion Ry. Co.
MARTINS FERRY—Martin's Ferry Elec. Light Plant (City)
MARYSVILLE—Marysville Light & Water Co.
MASSILON—Massilon Light, Heat & Power Co.
MAUMEE—Maumee Elec. Co.
MECHANICSBURG—The Mechanicsburg Lt. & Pwr. Co.
MEDINA—Medina El. Lt. Plant
MIAMISBURG—Miamisburg El. Plant (City)
MIDDLEPORT—Mutual Elec. Lt. Co.
MIDDLETOWN—Middletown Elec. Lt. & P. Co.
MILAN—City El. Lt. Plant (City)
MILFORD—Cincinnati, Milford & Loveland Trac. Co.
MILFORD CENTER—Union Lt. & Wtr. Co.
MILLERSBURG—Millersburg Elec. L. Co.
MINERAL CITY—Village El. Lt. Plant
MINERVA—Village Elec. Lt. Plant (Village)
MINCO JUNCTION—Minco Junct. Lt. Co.
MINSTER—City El. Lt. Plant
MONROEVILLE—City El. Lt. & Wtr. Wks.
MONTPELIER—Village Elec. Lt. Plant (Village)
MORROW—People's Electrical Co.
MOUNT GILEAD—Mount Gilead Wtr., Lt., Heat & Pwr. Co.
MOUNT STERLING—Mount Sterling Elec. Lt. & Wtr. Wks. (Village)
MOUNT VERNON—Mt. Vernon Ry. & Lt. Co.
NAPOLEON—Napolean Water Works & Elec. Light Plant (City)
NAVARRE—Navarre El. Lt. Co.
NELSONVILLE—Nelsonville Elec. Lt. Co.
Town El. Lt. Plant (City)
NEWARK—Licking Lt. & Pwr. Co.
Municipal Elec. Lt. Plant (City)
NEW BREMEN—New Bremen Elec. Lt. Co.
NEW LEXINGTON—New Lexington El. Lt. & Pwr. Plant
NEW LONDON—City El. Lt. Plant
NEW PHILADELPHIA—Tuscarawas County El. Lt. & Pwr. Co.
NEW RICHMOND—New Richmond Elec. Light & Water Works
NEW STRAITSVILLE—Shawnee & Straitsville Elec. Lt. Co.
NILES—Niles El. Lt. & Wtr. Wks. (City)
NORTH AMHERST—(See Amherst)
NORTH BALTIMORE—North Baltimore Elec. Lt. & Pwr. Co.
NORWALK—The Cleveland & Southwestern Columbus Ry. Co.
NORWOOD—Norwood Wtr. Wks. & El. Lt. Plant (Village)
OAK HARBOR—The Oak Harbor Elec. Co.
OBERLIN—Oberlin Gas & Elec. Co.
ORRVILLE—Orrville Lt., Heat & Pwr. Co.
OSBORN—City Wtr. & El. Lt. Wks.
OTTAWA—El. Lt. Co. of Ottawa
OXFORD—(City owns the Plant)
PAINESVILLE—City El. Lt. Plant (City)
United Lt. & Pwr. Co.

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PAULDING—City El. Lt. & Pwr. Dept.
PAYNE—Payne El. Lt. & Pwr. Co.
PERRYSBURG—Perrysburg El. Lt. Co.
PERRYSVILLE—Perrysville Elec. Lt. Co.
PIQUA—Miami Lt., Heat & Pwr. Co.
PLAIN CITY—City El. Lt. & Wtr. Plant
PLYMOUTH—City El. Lt. Plant
POMEROY—Pomeroy & Middleport Elec. Co.
PORT CLINTON—Port Clinton El. Lt. & P. Co.
PORTSMOUTH—Portsmouth St. R.R. & Lt. Co.
PROSPECT—Prospect El. Lt. & Pwr. Co.
RAVENNA—Ravenna Gas & Elec. Lt. Co.
READING—Wtr. Wks. & El. Lt. Plant
RICHWOOD—Richwood Lt., Ht. & Pwr. Co.
RIPLEY—Ripley Gaslight & Coke Co.
ROCKFORD—Rockford Electric Lighting Co.
ROCKY RIVER—Lakewood El. Lt. Plant
SABINA—City Wtr. & Lt. Plant
ST. BERNARD—St. Bernard Wtr. Wks. & El. Lt. Plant (Village)
ST. CLAIRSVILLE—City El. Lt. Plant
ST. MARYS—St. Marys El. Lt. Plant (City)
ST. PARIS—St. Paris El. Lt. Plant (City)
SALEM—Salem El. Lt. & Pwr. Co.
SALINEVILLE—Salineville El. Lt., Ht. & P.
SANDUSKY—Sandusky Gas & El. Co. Co.
SEBRING—City Lt. & Pwr. Co.
SHAWNEE—Peoples, The El. Lt. & Pwr. Co.
SHELBY—City El. Lt. Plant
SHERODSVILLE—Sherodsville El. Lt. Co.
SHREVE—Citizens' Elec. Lt., Ht. & Pwr. Co. Shreve Electric Light & Power Co.
SIDNEY—Kahs El. Lt. Plant Sidney El. Lt. Co.
SPRINGFIELD—People's Lt., Ht. & Pr. Co. Home Ltg., Pr. & Ht. Co.
STEUBENVILLE—La Belle Iron Wks. Steubenville East Liverpool Ry. & Lt. Co.
SYCAMORE—Village Elec. Lt. Plant
TIFFIN—Consolidated Gas & Lt. Co. Tiffin Edison El. Illuminating Co.
TIPPECANOE CITY—City Wtr. Wks. & El. Lt. Plant
TOLEDO—Citizens Lighting & Heating Co., 6 Toledo Rys. & Lt. Co. Zenobia bldg.
TORONTO—Steubenville & East Liverpool Ry. & Lt. Co.
TROY—Troy Elec. Lt. Plant (City)
UHRICHSVILLE—United Elec. Co. (Dennison)
UPPER SANDUSKY—Citizens' Elec. Lt. & Pwr. Co.
URBANA—Urbana Elec. Lt. Co.
VAN WERT—Van Wert Public Service Co.
VERSAILLES—Water Works & E. Lt. Plant (City)
WADSWORTH—Wadsworth Lt. & Wtr. Co.
WAPAKONETA—Village El. Lt. & Wtr. Wks.
WARREN—Warren Water & Lt. Co. Plant
WASHINGTON COURT HOUSE—Washington Gas & Electric Co.
WAUSEON—Wauseon El. Lt. Plant
WAVERLY—Waverly El. Lt. Plant (City)
WELLINGTON—City El. Lt. Plant
WELLSTON—City Elec. Lt. Plant (City)
WELLSVILLE—East Liverpool Lt. & Trac. Co. Wellsville El. Lt. Co.
WESTERVILLE—City El. Plant
WEST LIBERTY—El. Lt. Plant
WEST MANSFIELD—City El. Lt. Plant
WEST MILTON—El. Lt. Plant
WESTON—Weston El. Lt. Plant
WILLIAMSBURG—City El. Lt. Plant
WILLOUGHBY—Village Elec. Lt. Plant (Village)
WILMINGTON—Wilmington Wtr. & Lt. Co.
WOODSFIELD—Town El. Lt. Plant (City)
WOODVILLE—Village Elec. Lt. Plant (Village)
WOOSTER—Wooster Electric Co.
WYOMING—Cincinnati Gas & El. Co.
XENIA—Citizens' Lt. & Pr. Co. People's Gas & El. Lt. Co.
YOUNGSTOWN—The Shenango Valley El. Co. Youngstown Consolidated Gas & El. Co.
ZANESVILLE—Zanesville Ry., Lt. & Pwr. Co.

OKLAHOMA

ADA—Ada El. & Gas Co.
ALVA—Alva Lt. & Pwr. Co.
ALDERSON—Choctaw Ry. & Lt. Co. (See ANADARKO—City El. Lt. Plant McAlester)
ARDMORE—Ardmore Ice, El. Lt. & Pwr. Co.
ATOKA—Atoka Ice & Pwr. Co.
BLACKWELL—Blackwell Elec. Lt. & P. Co.
BROKEN ARROW—Broken Arrow El. Lt. & CADDO—Caddo Lt. & Pwr. Co. Pwr. Co.
CHANDLER—Stettmund El. Co.
CHECOTAH—El. Lt. Plant
CHICKASHA—Chickasha Lt., Heat & P. Co. Chickasha Wtr. Pwr. Co.
CLEVELAND—Cleveland El. Lt. Plant
CLINTON—Clinton Lt. & Pwr. Co.
COLGATE—Colgate, Lehigh & Phillips El., Ice & Trac. Co.
DUNCAN—Duncan Lt. & Ice Co.
DURANT—Durant Ice & Lt. Co.
EL RENO—El Reno El. & Gas Co.
ENID—Elec. & Gas Co.
FREDERICK—Foster-Harris Gin & El. Co.
GEARY—Geary Lt. & Ice Co.
GUTHRIE—The Guthrie Lt. & Pr. Co.
HAILEYVILLE—Indianola Ice, Lt. & P. Co.
HENNESSEY—Hennessey El. Lt., P. & Ice Co.
HOBART—Hobart Lt. & Pwr. Co.
KINGFISHER—Town Lighting Plant (City)
KREBS—Choctaw El. Co. (See S. McAlester)
LAWTON—Comanche Light & Power Co.
LEXINGTON—Purcell Wtr. Co.
McALESTER—Choctaw Ry. & Lt. Co.
MADILL—Madill El. Co.
MARLOW—City El. Lt. Plant
MIAMI—Miami, Artesian Wtr. & Lt. Co.
MUSKOGEE—Muskogee Gas & El. Co.
NEWKIRK—City El. Lt. Plant
NORMAN—Norman Milling & Grain Co.
OKLAHOMA—Oklahoma Gas & Electrical Co.
PAWNEE—City El. Lt. & Wtr. Plant
PERKINS—Perkins El. Lt. & Pwr. Co.
PERRY—City El. Lt. & Wtr. Plant
PONCA—Ponca City Electric Light & Ice Mfg.
PRYOR CREEK—Pryor Creek Lt. Co. Co.
PURCELL—Purcell Wtr. Co.
ROFF—City Wtr., Lt. & Pwr. Plant
SALLISAW—City El. Lt. Plant
SAPULPA—Sapulpa Lt. & Pwr. Co.
SHAWNEE—Shawnee Gas & El. Co.
SHATTUCK—Shattuck El. Lt. & Pwr. Co.
SHAWNEE—Shawnee Gas & El. Co.
SNYDER—City El. Lt., Wtr. Wks. & Sewerage System
SOUTH McALESTER—Choctaw Ry. & Lt. Co.
STILLWATER—Electric Light & Water Works
SULPHUR—Sulphur Lt. & Pwr. Co. (City)
TAHLEQUAH—Tahlequah Lt. & Pwr. Co.
TECUMSEH—Shawnee Gas & El. Co. (See Shawnee)
TULSA—Tulsa Corp. (The), 1st. c Cheyenne
VINITA—Vinita El. Lt., Ice & Pwr. Co.
WAGONER—Wagoner Lt. & Pwr. Co.
WATONGA—City El. Lt. Plant
WYNNEWOOD—City El. Lt. & Wtr. Plant

OREGON.

ALBANY—Willamette Valley Co.
ASHLAND—Ashland Elec., Pwr. & Lt. Co.
ASTORIA—Astoria Electric Co.
ATHENA—North Western Gas & El. Co.
BAKER CITY—Baker Light & Power Co. Eagle River Electric Power Co.
BROWNSVILLE—Brownsville El. Lt. Co.
CORVALLIS—Willamette Valley Co.
COTTAGE GROVE—Cottage Grove El. Co.
DALLAS—Dallas Elec. Light Co.
ENTERPRISE—Enterprise Elec. Lt. Co.
EUGENE—Portland Gen. El. Co. Willamette Valley Co.
FOREST GROVE—Haines El. Pwr. Co.
GRANTS PASS—Rogue River El. Co. (See Medford)
HEPPNER—Heppner Lt. & Water Co.
HILLSBORO—City El. Lt. & Wtr. Wks.
HOOD RIVER—Hood River Electric Light, Power & Water Co.
INDEPENDENCE—Willamette Valley Co.
KLAMATH FALLS—Klamath Falls Light & Klamath Lt. & Pwr. Co. Water Co. Moore, C. S. & R. S. Co.
LA GRANDE—Grande Ronde Electric Co.
LEBANON—Lebanon El. Light & Water Co.
McMINNVILLE—City El. Light Plant
MARSHFIELD—Coos Bay Light & Power Co.
MEDFORD—Rogue River El. Co.
MILTON—City Elec. Light Plant (City)
NEWBERG—Yamhill El. Co.
NORTH BEND—Coos Bay Gas & El. Co. (See Marshfield)
ONTARIO—Interstate Lt. & Wtr. Co.
OREGON CITY—Portland General Electric Co.
PENDLETON—Northwestern Gas & El. Co.
PORTLAND—Mount Hood Ry. & Pwr. Co., 603 Portland General El. Co. Switland bldg. Portland Ry. Lt. Pwr. Co.
PRINEVILLE—Prineville Light & Water Co.
ROSEBURG—Kendall, J. L. & S. A. El. Plant
SALEM—Portland General El. Co.
SCIO—City Elec. Light Plant (City)
SILVERTON—Portland General El. Co. (See
STAYTON—Stayton El. Lt. Co. Portland)
SUMPTER—Fremont Pwr. Co. Northwest Lt. & Wtr. Co.
THE DALLES—Wasco Warehouse Milling Co.
TILLAMOOK—Tillamook Lumbering Co.
UNION—Union Electric Light Co.
WESTON—North Western Gas & El. Co. (See Walla Walla, Washington)
WOODBURN—Portland Gen. El. Co. (Portland)

PENNSYLVANIA.

ALBION—Albion Lt. & Pwr. Co.
ALLEGHENY—Allegheny County Lt. Co. (See City El. Lt. Plant (City) Pittsburg) Pennsylvania Light & Power Co.
ALLEN—West Penn. El. Co. (See Pittsburg)
ALLENTOWN—Allentown El. Lt. & Pwr. Co.
ALTOONA—Edison Elec. Ill. Co. Citizens' Electric Light, Heat & Power Co.
AMBLER—Ambler El. Lt., Heat & Motor Co.
ANNVILLE—Annville El. Lt. Co.
APOLLO—Apolo El. Lt., Heat & Pwr. Co.
ARCHBALD—Crescent El. Co.
ASHLAND—Edson Electric Illuminating Co.
ASHLEY—Wilkes-Barre Gas & El. Co. (See Wilkes-Barre)
ASPINWALL—City El. Lt. & Wtr. Plant
ATHENS—Waverly El. Lt. & Pwr. Co. (See Waverly, N. Y.)
AVALON—Ohio Valley El. Co. (See Bellevue)
AVOCA—Standard El. Lt., Heat & Pwr. Co.
BANGOR—Bangor El. Lt., Heat & Pwr. Co.
BEAVER—Valley El. Co. (See New Brighton)
BEAVER FALLS—Valley El. Co. (See New Brighton)
BEDFORD—Bedford El. Lt., Heat & Pwr. Co.
BELLEFONTE—Bellefonte El. Co.
BELLE VERNON—West Penn. El. Co.
BELLEVUE—Ohio Valley El. Co.
BELLWOOD—Bellwood El. Lt. Co.
BERLIN—Berlin Electric Light Plant (City)
BERWICK—Berwick El. Lt. Co.
BETHEL—Blue Mountain El. Co.
BETHLEHEM—Bethlehem El. Lt. Co.
BIRDSBORO—Birdsboro El. Co.
BLAIRSVILLE—Citizens' Heat. Lt. & P. Co.
BLAKELY BOROUGH—Borough Electric Light Plant (City)
BLOOMSBURG—Irondale El. Lt., Heat & P. United Gas & El. Co. Co.
BLOSSBURG—Blossburg El. Lt. & Pwr. Co.
BOLIVAR—Bolivar Lt., Heat & Pwr. Co.
BOYERTOWN—Boyertown El. Co.
BRADDOCK—Allegheny County Light Co.
BRADFORD—Bradford El. Lt. & Pwr. Co.
BRIDGEPORT—Norristown El. Lt. & P. Co.
BRIDGEWATER—Valley El. Co. (See New Brighton)
BRISTOL—Publ. Serv. Corporation of N. J.
BROOKVILLE—Solar El. Co.
BROWNSVILLE—West Penn. El. Co.
BUTLER—Butler Lt., Heat & Motor Co.
CALIFORNIA—West Penn. El. Co.
CAMBRIDGE SPRINGS—Cambridge Springs El. Lt. Co.
CANONSBURG—Canonsburg El. Lt., Heat & CANTON—Canton Illg. Co. Pwr. Co.
CARBONDALE—Lackawanna Valley Electric Light & Power Supply Co.
CARLISLE—The Carlisle Gas & Water Co.
CARNEGIE—Allegheny County Lt. Co. (See Southern Heat, Lt. & P. Co. Pittsburg)
CATASAUQUA—Lehigh & Northampton Lt., Heat & Pwr. Co.
CATAWISSA—City El. Lt. Plant (City)
CHAMBERSBURG—Chambersburg Elec. Light Plant (City)
CHARLEROI—West Penn. El. Co.
CHESTER—Beacon Lt. Co.
CHRISTIANA—Melcher, A. J. (Owner)
CLARION—Clarion El. Co.
CLEARFIELD—Central Penn. Lt. & Pwr. Co.
CLIFTON HEIGHTS—Citizens El. L. & P. Co.
COALDALE—Panther Valley El. Lt., Heat & Pwr. Co.
COALPORT—Coalport Lt., Heat & Pwr. Co.
COATESVILLE—Coatesville El. Lt., Heat & Pwr. Co. Consumers' El. Lt., Heat & Pwr. Co.
COLUMBIA—Columbia Elec. Lt. & Power Co.
CONEMAUGH—City El. Lt. Plant
CONFLUENCE—City El. Lt. Plant
CONNELSVILLE—West Penn Electric Co.
CONSHOHOCKEN—Conshohocken Elec. Lt. & Pwr. Co.
COPLAY—Lehigh-Northampton, Gas & El. Co. (See Catasauqua)
CORAOPOLIS—City Electric Light Plant (City)
CORRY—Corry City Electric Light Co.
COUDERSPORT—Home El. Co.
CRAFTON—Allegheny County Lt. Co. (See Pittsburg)
CURWENSVILLE—Curwensville El. Co.
DALLASTOWN—York & Windsor El. Lt. Co.
DANVILLE—Standard El. Lt. Co. Town Electric Light Plant (City)
DARBY—Philadelphia Suburban El. Co. (See
DAWSON—West Penn. El. Co. Lansdowne)
DELTA—Delta Electric Power Co. Delta Wtr. Pwr. Co.
DERRY—West Penn. El. Co.
DILLSBURG—Dillsburg Electric Light Works
DONORA—West Penn. El. Co.

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DOBRANCETOWN—West Side El. Co. (See Kingston)
DOWNINGTOWN—Chester Valley El. Lt., Ht. & Power Co.
DOYLESTOWN—Doylestown El. Co.
DRAVOSBURG—West Penn. El. Co.
DRIFTON—Hazelton Lt., Heat & Pwr. Co.
DUBOIS—Dubois Trac. Co.
DUNBAR—Dunbar El. Co.
DUNCANNON—City El. Lt. Plant
DUNCANSVILLE—Edison El. Illg. Co. (See
DUNMORE—Scranton El. Co. Altoona)
DUQUESNE—Allegheny County Lt. Co.
EAST BANGOR—Bangor El. Lt. & Pwr. Co. (See Bangor)
EAST DOWNINGTOWN—Chester Valley El. Lt., Heat & Pwr. Co. (See Downingtown)
EAST MAUCH CHUNK—East Mauch Chunx Heat, Power & El. Light Co.
EASTON—Easton Power Co.
City Electric Light Plant (City)
People's Cons. Serv. Corporation.
EAST PITTSBURG—Allegheny County Lt. Co. (See Pittsburg)
EBENSBURG—Ebensburg Lt., Ht. & Pwr. Co.
EDGEWOOD—Allegheny County Lt. Co. (See Pittsburg)
EDWARDSVILLE—West Side Electric Light Co.
Wyoming Valley Gas & El. Co. (See Ply-
ELIZABETH—West Penn. El. Co. mouth)
ELIZABETHTOWN—Elizabethtown & Marietta El. Lt. Co.
ELLIOTT—Allegheny Lighting Co.
ELLWOOD CITY—Ellwood El. Lt. Plant (City)
Penna. Pwr. Co.
EMAUS—Allentown El. Lt. & Pwr. Co. (See Allentown)
EMPORIUM—City El. Lt. Plant (City)
EPHRATA—El. Power Plant
Town El. Lt. Plant (City)
ERIE—Erie County Electric Co.
ESPLEN—Allegheny County Light Co.
ETNA—Town El. Lt. Plant
EVERETT—Everett Lt., Heat & Power Co.
EXETER—Citizens El. Illg. Co. (See Pittston)
FAIRCHANCE—West Penn. El. Co. (See
FALLS CREEK—Dubois El. Co. Pittsburg)
FAYETTE CITY—West Penn. El. Co. (See Pittsburg)
FLEETWOOD—Allentown & Reading Trac. Co. (See Kutztown)
FOREST CITY—Forest City El. Lt., Heat &
FORD CITY—El. Lt. Plant Pwr. Co.
FORTYFORT—City Elec. Lt. Plant.
FRACKVILLE—Frackville & Gilberton Lt., Heat & Power Co.
FRANKLIN—Franklin Elec. Co.
Leighton El. Lt. & Pwr. Plant. (See Leighton)
FREEDOM—Valley El. Co. (See New Brigh-
FREELAND—Edison El. Illg. Co. ton)
GALLITZIN—Gallitzin Electric Light Co.
GERMANTOWN—(See Philadelphia)
GETTYSBURG—Keystone El. Lt. & Pwr. Co.
GILLERTON—Frackville & Gilberton Lt., Ht. & Pwr. Co. (See Frackville)
GIRARD—Town El. Plant (City)
GIRARDVILLE—Frackville & Gilberton Lt., Ht. & Pwr. Co. (See Frackville)
GLEN CAMPBELL—Giant El. Lt., Heat & Pwr. Co.
GLEN LYON—Peoples El. Lt. & Pwr. Co. (See Nanticoke)
Wyoming Valley Gas & El. Co. (See Ply-
GLENOLDEN—(See Clifton Heights) mouth)
GLEN ROCK—Glen Rock El. Lt. & Pwr. Co.
GREAT BEND—(See Susquehanna)
GREENCASTLE—Greencastle Lt., Heat, Fuel & Pwr. Co.
GREENSBURG—West Penn. El. Co. (See Pittsburg)
GREENEVILLE—Greeneville El. Lt., Heat & Pwr. Co.
HALLSTEAD—Susquehanna County El. Co. (See Susquehanna)
HAMBURG—Hamburg El. Co.
HANOVER—Hanover Lt., Ht. & Power Co.
HARRISBURG—Harrisburg Lt., Ht. & Pr. Co.
Paxtang Elec. Co.
HASTINGS—Hastings El. Lt. Co.
HATBORO—Hatboro Elec. Lt. Co.
HAWLEY—Paupack Electric Co.
HAZLETON—Consumers El. Lt. & Pwr. Co.
Edison El. Illg. Co.
Harwood El. Pwr. Co.
HIGHSPIRE—Steelton Lt., Heat & Pwr. Co. (See Steelton)
HOLLIDAYSBURG—Hollidaysburg El. Lt. & Power Co.
HOMESTEAD—Allegheny County Light Co.
HONESDALE—Honesdale Consol. Lt., Heat & Pwr. Co.
HOUTZDALE—Houtzdale El. Lt., Ht. & P. Co.
HUGHESTOWN—Standard El. Lt., Heat & P. Co. (See Avoca)
HUGHESVILLE—Citizens' Elec. Lt. & Pr. Co.
HUMMELSTOWN—Hummelstown Elec. Lt., Ht. & Power Co.
HUNTINGDON—Huntingdon Gas Co.
Juniata Hydro El. Co.
Raystown Wtr. Pwr. Co., 309 Penn
Wilson El. Co.
HYNDMAN—Hyndman El. Lt., Heat & P. Co.
INDIANA—Indiana Provision Co.
IRWIN—West Penn. El. Co.
JANESVILLE—Harwood El. Pwr. Co. (See Hazelton)
JEANETTE—W. Penn. El. Co. (See Pittsburg)
JENKINTOWN—Jenkintown Electric Light Co.
JERMYN—Household El. Lt., Heat & P. Co.
Jermyn Elec. Lt., Ht. & Power Co.
JERSEY SHORE—Jersey Shore El. St. Ry Co.
JESSUP—Blakely Boro City El. Lt. Plant. (See Blakely Boro)
JOHNSONBURG—Johnsonburg El. Co.
JOHNSTOWN—Citizens Lt., Heat & Pr. Co.
Dale Lt., Heat & Pwr. Co.
KENNETT SQUARE—Cluster Co. El. Co. (See
KINGSTON—West Side El. Lt. Co. Phila.)
KITTANNING—Armstrong El. Co.
Kittanning El. Lt. Co.
KUTZTOWN—Allentown & Reading Trac. Co.
Town El. Plant (City)
LANCASTER—Edison El. Ill. Co.
Lancaster Elec. Lt., Ht. & Power Co.
Lancaster County R'y & Lt. Co.
Safe Harbor Wtr. & Pwr. Co.
LANGHORNE—Langhorne Elec. Lt. & Pwr. Co.
LANSDALE—Lansdale Elec. Lt. Plant (City)
LANSDOWNE—Phila. Suburban El. Co.
LANSFORD—Lehigh Coal & Navigation Co.
Panther Valley El. Lt., Ht. & P. Co.
LATROBE—West Penn. El. Co.
LEBANON—Edison Elec. Illuminating Co.
LEECHBURG—Pittsburg & Allegheny Valley Ry. Co.
LEHIGHTON—Lehighton El. Lt. & Pwr. Co.
LEWISBURG—Lewisburg Lt., Ht. & Power Co.
MALVERN—Ridley Creek Supply Co.
MANHEIM—Manheim & Mount Joy El. Lt. Co.
MANOR—West Penn. El. Co. (See Pittsburg)
MANSFIELD—Mansfield Elec. Co.
MARIETTA—Elizabethtown & Marietta El. Lt. Co. (See Elizabethtown)
MARYSVILLE—Marysville El. Lt., H. & P. Co.
MAUCH CHUNK—Mauch Chunk Heat, Power & Electric Light Co.
MAYFIELD—Household El. Lt. & P. Co. (See
LEWISTOWN—Mifflin County Gas & El. Co.
LIGONIER—Ligonier El. Lt. Co.
LITITZ—Lititz Elec. Lt., Ht. & Power Co.
LITTLESTOWN—Hanover Lt., Heat & P. Co.
LOCK HAVEN—Lock Haven El. Lt. & P. Co.
LUZERNE—West Side El. Lt. Co.
LYKENS—Williams Valley Lt., Ht. & Power Co.
McADOO—Consumers Lt. & Pwr. Co.
McCALL FERRY—McCall Ferry Pwr. Co.
McDONALD—Citizens El. Lt., Ht. & P. Co.
McKEESPORT—Allegheny County Lt. Co.
Peoples Ice, Lt. & Storage Co.
McKEES ROCKS—Allegheny County Lt. Co.
McSHERRYSTOWN—Hanover Lt., Ht. & P. Co.
MAHANOY CITY—Mahanoy City Elec. Lt., Ht. & Pwr. Co. Jermyn)
MEADVILLE—People's Incandescent Lt. Co.
Meadville Town El. Lt. Plant (City)
MECHANICSBURG—United El. Co.
MEDIA—Media Elec. Lt., Ht. & Power Co.
Media Town Electric Light Plant (City)
MEYERSDALE—Meyersdale El. Lt., Ht. & P.
MIDDLETOWN—City El. L. Plant (City) Co.
MIFFLINTOWN—Juniata Co.
MILLERSBURG—Millersb'g El. Lt., Ht. & P. Co.
MILLERSTOWN—Perry El. Lt., Heat & Pwr. Co. (See Newport)
MILLVALE—Wtr. & Lt. Plant (City)
MILNESVILLE—Harwood El. Pwr. Co.
MILTON—Miton El. Lt. & Pwr. Co.
MINERSVILLE—Edison El. Co.
MINOOKA—Standard El. Lt., Heat & P. Co.
MONACA—Monaca El. Lt. Co. (See Avoca)
MONESSEN—West Penn. El. Co. (See Pittsburg)
MONONGAHELA CITY—West Penn. El. Co.
MONTGOMERY—Montgomery El. Lt. & P. Co.
MONTOURSVILLE—Montoursville El. Lt. Co.
MONTROSE—Montrose El. Lt., Ht & P. Co.
MOOSIC—Standard El. Lt., Heat & Pwr. Co. (See Avoca)
MORRIS RUN—Morris Run Mines.
MORRISVILLE—Publ. Serv. Corp. of N. J. (See Trenton, N. J.)
MORTON—Phila. Suburban El. Co.
MOUNT CARMEL—Edison El. Illg. Co.
MOUNT HOLLY SPRINGS—Mt. Holly Paper Co.
MOUNT JOY—Elizabeth & Marietta El. Lt. Co. (Marietta)
Manheim El. Lt. & Ht. Co. (Manheim)
MOUNT OLIVER—(See Knoxville El. Co., Pittsburg)
MOUNT PLEASANT—West Penna. El. Co.
MOUNT UNION—Mount Union Lt. & Pwr. Co.
MUNCY—Muncy Lt., Ht. & Power Co.
MYERSTOWN—Edison El. Illg. Co. (See Lebanon)
NANTICOKE—Wyoming Valley Gas & El. Co.
NAZARETH—Nazareth Elec. Lt. & Power Co.
NESQUEHONING—Panther Valley El. Lt., Heat & Pwr. Co. (See Lansford)
NEW BRIGHTON—Valley Elec. Co.
NEW CASTLE—New Castle Elec. Co.
NEW CUMBERLAND—United El. Co.
NEWHAVEN—West Penn. El. Co. (See Pitts-
NEW HOPE—New Hope El. Co. burg)
NEW KENSINGTON—Allegheny Valley Lt. Co.
NEWPORT—Perry Elec. Lt., Ht. & Power Co.
NEWTOWN—Bucks County El. Ry Co.
NOBLESTOWN—Citizens El. Lt., Heat & Pwr. Co. (See McDonald)
NORRISTOWN—Norristown El. Lt. & P. Co.
Norristown El. Lt. Plant (City)
NORTH BRADDOCK—Allegheny County Lt. Co. (See Pittsburg)
NORTH EAST—North East Elec. Lt. & P. Co.
NORTHUMBERLAND—Middle Creek El. Co.
NORTH WALES—Freed, E. K. El. Lt. Co.
NORWOOD—Citizens El. Lt. & Pwr. Co.
OAKDALE—Citizens El. Lt., Heat & Pwr. Co. (See McDonald)
OAKMONT—Allegheny Lt. Co.
OIL CITY—Citizens Trac. Co.
OLD FORGE—Standard El. Lt., Ht. & P. Co.
OLYPHANT—Town El. Lt. Plant (City)
ORWIGSBURG—Edison El. Illg. Co. (See Pottsville)
OSCEOLA MILLS—Phillipsburg El. Lt., Gas, Pwr. & Heating Co. (See Phillipsburg)
OXFORD—Oxford Elec. Lt. & Power Co.
PALMYRA—Annville El. Lt. Co. (See Annville)
PARKESBURG—Parkesburg Elec. Lt., Ht. & Pwr. Co.
PARNASSUS—New Kensington El. Lt. & Pwr.
PARSONS—Standard El. Co. Co.
PATTON—Geo. S. Good El. Lt. Co.
PECKVILLE—Borough of Blakely El. Lt. Plant. (See Blakely Boro.)
PEN ARGYLE—Pen Argyle El. Co.
PENNSBURG—City El. Lt. Plant
PERKASIE—City El. Lt. Plant
PHILADELPHIA—American Gas & El. Co., 62 Cedar, New York
American Rys. Co., 904-18 Witherspoon bldg.
Chester County El. Co.
Interstate Rys. Co. (United Pwr. & Trans. Co.), 515 Mariner & Merchant bldg.
Phila. El. Co., 10th & Chestnut
Southern Pub. Serv. Corp., Land Title bldg.
West Penn. Electric Co.
PHILIPSBURG—Philipsburg El. Lt., Gas, Ht. & Pwr. Co.
PHOENIXVILLE—Phoenix Gas & El. Co.
PINEGROVE—(See Tremont)
PITCAIRN—Allegheny County Light Co. (See City Elec. Lt. Plant (City) Pittsburg)
PITTSBURG—Allegheny County Light Co., 610
Duquesne Lt Co., 6302 Penn av. Wood
Kettenburg, G. W. El. Lt. Plant, 1206 Penn
Knoxville El. Co. av.
Philadelphia Co., 610 Wood
West Penn. El. Co.
PITTSTON—Citizens El. & Illg. Co.
PLYMOUTH—Wyoming Valley Gas & Elec. Co.
PORT CARBON—Port Carbon El. Lt., Heat & Pwr. Co.
POTTSTOWN—Pottstown Lt., Heat & P. Co.
POTTSVILLE—Edison El. Illg. Co.
PROSPECT PARK—Citizens El. Lt. & P. Co.
PUNXSUTAWNEY—Jefferson Electric Light. Heat & Power Co.
QUAKERTOWN—Borough Elec. Light Plant
RANKIN—Allegheny County Light Co.
READING—Metropolitan Electric Co.
RED LION—York & Windsor El. Lt. Co. (See Dallastown)
RENOVA—Renova Edison Lt., Ht. & Pwr. Co.
REYNOLDSVILLE—Reynoldsville Lt. & Pwr.
RIDGWAY—Ridgway Elec. Lt. Co. Co.
RIDLEY PARK—(See Chester)
ROARING SPRING — Roaring Spring Blank Book Co.
ROCHESTER—Valley El. Co. (See New Brighton)
ROCKWOOD—Rockwood Elec. Lt. Co.
ROSCOE—West Penn. El. Co.
ROSETO—Bangor El. Lt., Heat & Pwr. Co. (See Bangor)
ROYERSFORD—Phoenix Gas & El. Co.
ST. CLAIR—Borough El. Lt. Plant (Borough)
ST. MARYS—St. Marys El. Co.
SAYRE—Sayre El. Co. (See Waverly, N. Y.)
SCHUYLKILL HAVEN—Village Elec. Light Plant (Village)

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SCOTTDALE—West Penn. El. Co.
SCRANTON—Lackawanna Lt. Co.
Scranton El. Co.
SELINSGROVE—Middle Creek El. Co. (See Sunbury)
SELLERSVILLE—Sellersville El. Lt. & P. Co.
SEWICKLEY—Sewickley Electric Co.
SHAMOKIN—Shamokin & Coal Township Lt., Heat & Pwr. Co.
SHARON—Youngstown-Sharon Ry. & Lt. Co.
SHARON HILL—Citizens El. Lt. & Pwr. Co. (See Clifton Heights)
SHARPSBURG—City El. Lt. Plant
SHARPSVILLE—Sharpsville El. Lt. Co.
SHENANDOAH—Citizens' El. Lt. Co.
Peoples Lt. Heat & Pwr. Co.
Shenandoah Elec. Illuminating Co.
Shenandoah Heat & Pwr. Co.
SHERIDAN—Allegheny County Lt. Co.
SHICKSHINNY—Municipal Electric Light Plant
SHIPPENSBURG—Shippensburg Gas & El. Lt.
SLATINGTON—Slatington Pwr. Co. Co.
SOMERSET—Somerset E. L., Heat & Pr. Co.
SOUDERTON—City El. Lt. Plant
SOUTH BETHLEHEM—S. Bethlehem El. L. Co.
SOUTH FORK—South Fork Electric Light, Heat & Power Co.
SOUTH WILLIAMSPORT—Lycoming El. Co.
SPEERS—Monongahela Val. El. Co. (Charlerol)
SPRING CITY—Phoenix Gas & El. Co.
STEELTON—Steelton Lt., Heat & P. Co.
STRASBURG—Strasburg El. Lt., Ht. & P. Co.
STROUDSBURG—Stroudsburg El. Lt. & P. Co.
STURGEON—Citizens El. Lt., Heat & Pwr. Co. (See McDonald)
SUMMIT HILL—Panther Valley El. Lt., Ht. &
SUNBURY—Edison El. Illg. Co. P. Co.
Middle Creek El. Co.
SUSQUEHANNA—Susquehanna County Elec. Co.
SWARTHMORE—Phila. & Suburban El. Co.
TACONY—Philadelphia El. Co. (See Morton)
TAMAQUA—Eastern Penn. Ry. Co.
Tamaqua Lt., Heat & Pwr. Co.
TARENTUM—Borough El. Lt. Plant (Borough)
TAYLOR—Standard El. Lt., Ht. & Pwr. Co.
TITUSVILLE—City El. Lt. Plant
Titusville El. Lt. & Pr. Co.
TOWANDA—Towanda Elec. Illg. Co.
TOWER CITY—Williams Val. Lt., Ht. & P. Co.
TREMONT—Tremont & Pine Grove Elec. Lt. & Pwr. Co.
TREVORTON—Trevorton El. Lt. & Pwr. Co.
TROY—Troy El. Lt., Heat & Pwr. Co.
TUNKHANNOCK—Tunkhannock Elec. Co.
TURTLE CREEK—Allegheny County Lt. Co. (See Pittsburg)
TYRONE—Home Elec. Lt. & Steam Htg. Co.
UNION CITY—Union City El. Lt. & Pr. Co.
UNIONTOWN—United Light Co.
UPLAND—Beacon Lt. Co.
UPPER LEHIGH—Hazleton El. Lt. & P. Co.
VANDERBILT—West Penn. El. Co. (See Pittsburg)
VANDERGRIFT—Vandergrift El. Lt. & P. Co.
WARREN—Warren El. Lt. Co.
WASHINGTON—Washington El. Lt. & P. Co.
West Penn. El. Co.
WATSONTOWN—Municipal Elec. Lt. Plant
WAYNE—Merion & Radnor Gas & El. Co.
WAYNESBORO—Waynesboro E. L. & Pwr. Co.
WAYNESBURG—Waynesburg El. Lt. & P. Co.
WEATHERLY—City El. Lt. Plant
WEISSPORT—Weissport Elec. Light & Pr. Co.
WELLSBORO—Wellsboro Elec. Co.
WEST BERWICK—West Berwick Lt., Heat & Pwr. Co.
WEST CHESTER—Edison El. Illg. Co.
WEST CONSHOHOCKEN—Conshohocken Elec. Lt. & Pwr. Co.
WEST FAIRVIEW—United El. Co. (See Mechanicsburg)
WEST GROVE—Chester County El. Co. (See Phila.)
WEST NEWTON—Borough El. Lt. Co.
WEST PITTSTON—Citizens El. Illg. Co.
WHITE HAVEN—White Haven Elec. Illg. Plant (W. J. Hauser, Owner)
WICONISCO—Williams Valley Lt., Heat. & P. Co. (See Lyhens)
WILKES-BARRE—Wilkes-Barre Gas & El. Co.
WILKINSBURG—Allegheny County Lt. Co. (See Pittsburg)
WILLIAMSPORT—Citizens' El. Co.
Edison Elec. Ill. Co.
Lycoming Elec. Co.
WILLIAMSTOWN—Williams Valley Lt., Ht. & Pwr. Co.
WILMERDING—Allegheny County Lt. Co.
United El. Lt. Co. (Pittsburg)
WINDBER—Windber Electric Co.
WRIGHTSVILLE—Wrightsville Lt. & Pwr. Co.
YEAGERTOWN—Lewistown Lt., Ht. & P. Co.
YORK—York & Windsor El. Lt. Co. (See Edison El. Lt. Co. Dallastown)
Merchants' El. Lt., Heat & P. Co.
ZELIENOPLE—Zelienople Lt. & Pwr. Co.

PHILIPPINE ISLANDS.

CEBU—Visayan El. Co.
MANILA—Manila El. R. R. & Lt. Co.

PORTO RICO.

COMERIO—Comerio Pwr. Co.
MAYAGUEZ—Mayaguez Lt. & Pwr. Co.
PONCE—Ponce El. Co.
S. A. Luz Electrica
Ponce Ry. & Lt. Co.
SAN JUAN—Porto Rico Pwr. & Lt. Co.
Porto Rico Rys. Co. (Ltd.)
San Juan Lt. & Trans. Co.

RHODE ISLAND.

BRISTOL—Bristol County Gas & Elec. Co.
CENTRAL FALLS—Pawtucket El. Co.
CRANSTON—Narragansett El. Co.
EAST GREENWICH—Narragansett El. Lt. Co.
EAST PROVIDENCE—Narragansett El. Light-
MIDDLETOWN—Newport Illg. Co. Ing Co.
NARRAGANSETT PIER—Narragansett Pier Electric Light & Power Co.
NEWPORT—Newport & Fall River Street Ry.
PASCOAG—City El. Lt. Plant
PAWTUCKET—Attleboro Steam & El. Co.
Pawtucket El. Co.
PEACEDALE—Narragansett Pier El. Lt. & P. Co.
PROVIDENCE—Narragansett El. Lighting Co.
RIVER POINT—Peoples Edison Illg. & P. Co.
WAKEFIELD—Narragansett Pier El. Lt. & P.
WARREN—Narragansett El. Lt. Co. Co.
WARWICK—Narragansett El. Lt. Co.
WESTERLY—Westerly Lt. & Pwr. Co.
WICKFORD—Wickford Lt. & Wtr. Co.
WOONSOCKET—Woonsocket El. Mach. & P. Co.

SOUTH CAROLINA.

ABBEVILLE—Abbeville Wtr., Lt. & Pwr. Co.
AIKEN—Carolina Light & Power Co.
ANDERSON—Anderson Water, Lt. & Pwr. Co.
BAMBURY—City El. Lt. Plant
BATESBURG—City El. Lt. Plant
BENNETTSVILLE—Town El. Plant (City)
BISHOPVILLE—City Lt. & Pwr. Plant
BLACKVILLE—Blackville Lighting Co.
BRANCHVILLE—Branchville El. & Tel. Co.
CAMDEN—Camden Water, Lt. & Ice Co.
CHARLESTON—Charleston Consolidated Ry., Gas & Electric Co.
CHERAW—Town El. Lt. Plant (City)
CHESTER—Southern Pwr. Co.
CLINTON—City El. Lt. Plant
CLOVER—Catawba Pwr. Co.
COLUMBIA—Columbia El. St. Ry., Lt. & P. Co.
DARLINGTON—Carolina Wtr., Lt. & Pwr. Co.
DILLON—Carolina Wtr., Lt. & Pwr. Co.
City El. Lt. Plant
FLORENCE—Southern Public Service Corp.
FORT MILL—Catawba Pwr. Co.
Fort Mill El. Co.
GAFFNEY—Town El. Lt. Plant (City)
GEORGETOWN—Georgetown Elec. Light Co.
GLENDALE—Spartanburg Ry., Gas & El. Co.
GRANITEVILLE—Carolina Lt. & Pwr. Co.
GREENVILLE—Greenville-Carolina Pwr. Co.
Greenville Gas, El. Lt. & Pwr. Co.
GREENWOOD—Greenwood Wtr. & El. Lt. Plant
KERSHAW—Kershaw Oil Mill Co. (City)
LAURENS—Reedy River Pwr. Co.
Town El. Lt. Plant (City)
MANNING—Manning El. Lt. Plant
MARION—Marion Wtr., Lt. & Pwr. Co.
MOUNT PLEASANT—Charleston Con. Gas & El. Co.
NEWBERRY—Newberry Water Wks. & Electric Lt. Co. (City)
NEW BROOKLAND—El. Lt. Plant
ORANGEBURG—City El. Lt. & Wtr. Plant
ROCK HILL—Rock Hill Water, Light & Power
Southern Pwr. Co. Co.
SPARTANBURG—El. Pwr. & Mfg. Co.
SUMMERVILLE—Crystal Ice Co.
SUMTER—Sumter Ice Light & Pwr. Co.
UNION—City Elec. Lt. & Water Works (City)
Union Mfg. & Power Co.
WILLIAMSTON—Belton Pwr. Co.
WINSBORO—Town El. Lt. Plant (City)
YORKVILLE—Catawba Pwr. Co.
Town El. Lt. & Wtr. Plant

SOUTH DAKOTA.

ABERDEEN—Aberdeen Lt. & Pwr. Co.
BELLEFOURCHE—Bellefourche Lt., Ht. & P.
BOWDLE—Bowdle Milling Co. Co.
BROOKINGS—Town Lt., Wtr. & Ht. Plant
CANTON—Canton General Electric Co. (City)
CENTERVILLE—Centerville Milling Co.
CHAMBERLAIN—Chamberlain Investment Co.
DEADWOOD—Cons. Power & Lt. Co.
GROTON—Groton Lt., Heat & Pwr. Co.
HOT SPRINGS—Water, Light & Power Co.
HURON—Electric Co.
LEAD—Consolidated Pwr. & Lt. Co.
MADISON—City El. Lt. Plant (City)
MITCHELL—Mitchell Illg. & Pwr. Co.
PIERRE—City El. Lt. Plant
RAPID CITY—Dakota Pwr. Co.
Rapid City El. & Gas Lt. Co.
REDFIELD—Town El. Lt. Plant (City)
SALEM—Salem Milling, Lighting & Heating Co.
SIOUX FALLS—Sioux Falls El. Lt. & P. Co.
Sioux Falls Lt. & Pwr. Co.
Town El. Lt. Plant (City)
SISSETON—Sisseton Milling Co.
SPEARFISH—Black Hills Trac. Co.
Spearfish El. Lt. & Pwr. Co.
STURGIS—Sturgis Pwr. & Lt. Co.
TYNDALL—El. Lt. Plant
VERMILION—Vermilion Milling & El. Co.
WATERTOWN—Kirlin-Gray El. Co.
WEBSTER—Town El. Lt. Plant (City)
YANKTON—Macgregor R. R. Co.

TENNESSEE.

ATHENS—Athens Light & Power Co.
BOLIVAR—City Wtr. & Lt. Plant
BRISTOL—Bristol Gas & Elec. Co.
BROWNSVILLE—Lt. & Pwr. Co.
CHATTANOOGA—Chattanooga El. Co.
Chattanooga & Tennessee River Pwr. Co.
CLARKSVILLE—Clarkeville R'y & Lt. Co.
CLEVELAND—Cleveland Elec. Lt. Co.
COLUMBIA—Columbia Wtr. & L. Co.
COOKEVILLE—City Lt. & Wtr. Plant
COVINGTON—Town El. Lt. Plant (City)
DAYTON—Rhea County El. Lt. Co.
DICKSON—City El. Lt. Plant
DYER—Dyer Ice & Coal Co.
DYERSBURG—City Wtr. & Lt. Dept.
ELIZABETHTOWN—Doe River Ltg. & P. Co.
FAYETTEVILLE—Fayetteville El. Lt. & P. Co.
FRANKLIN—Harper Electric Light & Pow. Co.
GALLATIN—City El. Lt. Plant
GREENFIELD—Greenfield Elec. Lt. & Wtr. Co.
GREENVILLE—Greeneville Elec. Light Co.
HARRIMAN—City Water & Lt. Dept.
HUMBOLDT—City Wtr. & Lt. Plant
HUNTINGDON—Munic. El. Lt. & Wtr. Wks.
JACKSON—Jackson El. Lt. & Wtr. Wks. (City)
Jackson Ry. & Lt. Co.
JEFFERSON CITY—Jefferson City El. Co.
JELLICO—Jellico El. Lt., Heating & P. Co.
JOHNSON CITY—Watauga Electric Co.
KNOXVILLE—Knoxville R'y & Lt. Co.
LEBANON—El. Lt. Plant
LEWISBURG—Town El. Lt. lant (City)
McMINNVILLE—City Wtr. & Elec. Lt. Plant
MARTIN—City El. Lt. Plant (City)
MARYVILLE—Rockford El. Co.
MEMPHIS—Memphis Cons. Gas & El. Co.
Merchants Pwr. Co.
MILAN—City Wtr. & Lt. Plant
MORRISTOWN—City Wtr. & El. Lt. Plant
MOUNT PLEASANT—Mount Pleasant El. Co.
MURFREESBORO—City Gas & El. Lt. Plant
NASHVILLE—City El. Lt. Plant
Nashville Ry. & Lt. Co.
NEWBERN—City Wtr. & Lt. Plant
OBION—City El. Lt. Plant
PARIS—Paris City Light & Water Plant
PULASKI—Pulaski Elec. Lt. Plant (City)
RIPLEY—Ripley Lt., Wtr. & Ice Co.
ROCKWOOD—City Wtr. & Lt. Plant
Roane Iron Co.
ROGERSVILLE—Rogersville Elec. Co.
SHELBYVILLE—El. Lt. Plant
SOMERVILLE—City Wtr. & Lt. Plant (City)
SOUTH PITTSBURG—New South Pittsburg Lt. & Pr. Plant (City)
SPRINGFIELD—Springfield Elec. Plant (City)
SWEETWATER—Telephone & Improvement Co.
TRENTON—Trenton Electric Light Co.
TULLAHOMA—Town El. Lt. & Wtr. Wks.
UNION CITY—City Wtr. & El. Lt. Wks. (City)
WINCHESTER—City El. Lt. Plant

TEXAS.

ABILENE—Abilene Lt. & Wtr. Co.
ALVARADO—Alvarado Wtr., Lt. & Pwr. Co.
AMARILLO—Amarillo Lt., Wtr. & Pwr. Co.
ARLINGTON—Arlington Lt. & Pwr. Co.
ATHENS—Athens El. Lt. & Pwr. Co.
ATLANTA—Atlanta El. Lt. Plant
AUSTIN—Wtr. Wks., El. Lt. & P. Plant (City)
BAIRD—Baird El. Lt. Co.
BALLINGER—West Texas Tel. Co.
BARTLETT—Barlett El. Lt. & Gin Co.
BASTROP—Bastrop Wtr. & Lt. Co.
BAY CITY—Crystal Ice & Lt. Co.
BEAUMONT—Beaumont Ice, Lt. & Refrig. Co.
BEEVILLE—Beeville El. Lt. Plant
BELTON—Belton Light & Power Co.

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BIG SPRING—L. L. Stephenson's El. Lt. Plant
BOERNE—Boerne El. Lt. & Gin Co.
BONHAM—Bonham El. & Gas Co.
BOWIE—Bowie Lt. & Pwr. Co.
BRADY—Brady Wtr. & Lt. Co.
BRENHAM—Brenham Compress Oil & Mfg. Co.
BROWNSVILLE—Brownsville Wtr. & Lt. Co.
BROWNWOOD—Brownwood Gas & El. Co.
BRYAN—Bryan Wtr., Ice, Lt. & P. Co.
CALDWELL—Caldwell Ice & Lt. Co.
CALVERT—Calvert Wtr., Ice & El. Lt. Co.
CAMERON—Cameron Wtr. Pwr. & Lt. Co.
CARTHAGE—Carthage El. Lt. Plant
CHILDRESS—Childress Ice & Lt. Co.
CISCO—Western Lt. & Pwr. Co.
CLARENDON—Clarendon Wtr. Lt. & P. Co.
CLARKSVILLE—Clarksville Lt. Co.
COLEMAN—City El. Lt. Plant
Hillsboro Gas & El. Co.
COLORADO—Colorado El. Lt. Co.
COLUMBUS—Columbus Lt. Co.
COMANCHE—El. Lt. Plant
COMMERCE—Commerce Electric Light Co.
COOPER—Cooper El. Co.
CORPUS CHRISTI—Corpus Christi Ice & El. Co.
CORSICANA—Corsicana Gas & El. Co.
CROCKETT—Citizens Ice & Lt. Co.
CUERO—Buchel Pwr. & Irrigation Co.
DALHART—Dalhart Ice & El. Co.
DALLAS—Dallas El. Corp.
Dallas El. Lt. & Pwr. Co.
Dallas Ice Factory, Lt. & Pwr. Co.
DECATUR—Moore Mfg. Co.
DEL RIO—Del Rio El. Lt. & Ice Co.
DENISON—Denison Light & Power Co.
DENTON—Denton Interurban Ry. & P. Plant
Denton Wtr., Lt. & Pwr. Plant (City)
DETROIT—Detroit El. Lt. & Pwr. Co.
DUBLIN—Dublin Gas & El. Co.
EAGLE LAKE—Eagle Lake Lt. & Gin Co.
EAGLE PASS—Texas-Mexican El. Lt. & P. Co.
EL PASO—El Paso El. Co.
El Paso El. Ry. Co.
ENNIS—Ennis Ice, Lt. & Pwr. Co.
FARMERSVILLE—Farmersville Mill & Light Co.
FLATONIA—Flatonia El. Lt. Plant
FORT WORTH—Bound Electric Co.
Citizens Ry. & Lt. Co.
City Elec. Light Works (City)
Consumers Lt. & Heating Co.
Fort Worth Light & Power Co.
FRANKLIN—Franklin Water & Light Co.
FREDERICKSBURG—El. Lt. Plant
GAINESVILLE—Gainesville El. Co.
GALVESTON—Brush Elec. Light & Power Co.
City Electric Light Plant (City)
Galveston El. Co.
GARLAND—El. Lt. Plant
GATESVILLE—Gatesville Electric Light Co.
GEORGETOWN—Georgetown Wtr. Lt. & Pwr.
GIDDINGS—Giddings El. Lt. Wks. Co.
GILMER—Gilmer El. Lt. Co.
Goldthwaite Lt. & Ice Co.
GOLIAD—Chilton Lt. Co.
Goliad Wtr. & Lt. Co.
GONZALES—Citizens El. Lt. & Pwr. Co.
GRANBURY—Frisco Ice & Lt. Co.
GREENVILLE—Town El. Lt. Plant (City)
GROESBECK—Auglin Lt. Co.
GROVETON—Groveton Lt. & Ice Co.
Trinity County Lumber Co.
HALLETTSVILLE—City El. Lt. & Wtr. Wks.
HAMILTON—Hamilton Lt. & Ice Co.
HAMLIN—Hamlin Lt. & Pwr. Co.
HEARNE—Hearne Lt. & Pwr. Co.
HENDERSON—El. Lt. & Planing Mill Co.
HENRIETTA—Malone & Morris
HEREFORD—El. Lt. & Pwr. Co.
HICO—Hico Electric Light Co.
HILLSBORO—Hillsboro Gas & Electric Co.
HONEY GROVE—Honey Grove Ice & El. Lt. Wks.
HOUSTON—Houston Lighting & Pwr. Co.
HUBBARD CITY—Union Central Lt. & Ice Co.
HUMBLE—El. Lt. & Wtr. Co.
HUNTSVILLE—Huntsville Elec. Lt. & Ice Co.
ITALY—Italy Wtr. Co.
ITASCA—Hockaday, A. S.
Itasca El. Lt. Plant
JACKSBORO—Jacksboro Lt. Plant
JACKSONVILLE—Jacksonville Ice & El. Co.
JEFFERSON—Jefferson Ice, Lt. & Pwr. Co.
KAUFMAN—Kaufman El. Lt. Co.
KERRVILLE—Scheimer El. Lt. & Pwr. Co.
KILLEEN—City Lt. & Pwr. Co.
LADONIA—Ladonio Lt. & Wtr. Co.
LA GRANGE—La Grange Electric Light Co.
LAMPASAS—Lampasas Lt. & Pwr. Co.
LAREDO—Laredo El. & Ry. Co.
LEONARD—El. Lt. & Ice Co.
LLANO—Llano Milling & Mfg. Co.
LOCKHART—Lockhart Wtr. Wks.
LONGVIEW—Longview Ice, Lt. & Bottling Co.
LUFKIN—Lufkin Lt. & Pwr. Co.
LULING—Luling El. Lt. & Pwr. Co.
McGREGOR—McGregor Art. Wtr. Co.
McKINNEY—McKinney El. Lt. & Motor P. Co.
McKinney Town El. Lt. Plant (City)
MARLIN—Marlin Ice & El. Lt. Co.
MARSHALL—Arkansas & Texas Cons. Ice & Coal Co.
MART—Mart Lt. & Pwr. Co.
MASON—Ice & Lt. Co.
MEMPHIS—Memphis Ice & El. Co.
MERKEL—Merkel Lt. & Pwr. Co.
MEXIA—Mexia Lt. & Wtr. Co.
MIDLAND—El. Lt. Plant
MINEOLA—Mineola Elec. Light & Ice Co.
MINERAL WELLS—Mineral Wells El. Pwr. & Heating Co.
MOUNT PLEASANT—Mount Pleasant El. Co.
NACOGDOCHES—Nacogdoches Lt. & Power Co.
NAVASATO—Bridges & Holley El. Lt. Co.
NEW BRAUNFELS—Landa El. Lt. & P. Co.
ORANGE—Orange Ice, Lt. & Water W'ks Co.
PALESTINE—El. Lt. Plant
Palestine El. & Ice Co.
PARIS—Paris Lt. & Pr. Co.
PILOT POINT—Pilot Point Ice & Pwr. Co.
PITTSBURG—Arkansas & Tex Cons. Ice & Coal Co.
PLANO—Stark Grain Co.
PORT ARTHUR—Port Arthur Wtr. Co.
QUANAH—Quanah Lt. & Ice Wks.
RICHMOND—Richmond Elec. Lt. Co.
ROCKDALE—Rockdale Imp. Co.
Rockdale Wtr. & Lt. Co.
ROSEBUD—Rosebud Light & Power Co.
SAN ANGELO—San Angelo Wtr. Works.
SAN ANTONIO—San Antonio Gas & El. Co.
SAN MARCOS—San Marcos El. Lt. & P. Co.
SAN SABA—San Saba Lt., Ice & Bottling Wks.
SCHULENBURG—Schulenburg Lt. & Pwr. Co.
SEALY—Sealy Cotton Co.
SEGUIN—Seguin El. Lt. & Pwr. Co.
SEYMOUR—C. C. Mill Elev. & Lt. Co.
SHERMAN—City El. Lt. Plant
Sherman Gas & El. Co.
SMITHVILLE—Smithville El. Lt. & Wtr. Co.
SOUR LAKE—Lt. & Pwr. Co.
STAMFORD—Stamford Gas & El. Co.
STEPHENVILLE—Stephenville Lt. & Wtr. Co.
SULPHUR SPRINGS—Ashcroft, B. F. & Sons
SWEETWATER—Western Lt. & Pwr. Co.
TAYLOR—Citizens Lt. & Pwr. Co.
TEAGUE—Teague El. Lt. & Pwr. Co.
TEMPLE—Temple El. Lt. Co.
TERRELL—Terrell El. Lt. Co.
TEXARKANA—Texarkana Gas & El. Lt. Co.
Texarkana Lt. & Trac. Co.
THURBER—Texas-Pacific Mercantile & Mfg. Co.
TIMPSON—Waterman Lumber & Supply Co.
TYLER—Tyler El. Co.
UVALDE—Uvalde El. Lt. Co.
VAN ALSTYNE—Yoder Ice & El. Co.
VERNON—Vernon Tel. Lt. & Pwr. Co.
VICTORIA—Victoria Mfg. Co.
WACO—Gas Co.
WAXAHACHIE—Hillsboro Gas & El. Co.
Waxahachie El. & Gas Co.
WEATHERFORD—City of Weatherford Wtr., Lt. & Ice Co.
WEIMAR—Weimar El. Lt. Co.
WHITEWRIGHT—Whitewright El. Co.
WICHITA FALLS—Wichita Falls Lt. & W. Co.
WILLS POINT—Wills Point El. Lt. Co.
WINNSBORO—Winnsboro El. Lt. & Wtr. Co.
WOLFE CITY—Wolfe City El. Lt. & P. Co.
WORTHAM—Wortham Gin & Lt. Co.
YOAKUM—Yoakum Improvement Co.

UTAH.

AMERICAN FORK—Utah Co., Lt. & Pr. Co.
BEAVER CITY—Beaver River Pwr. Co.
City El. Lt. Plant
BINGHAM—Telluride Pwr. Co.
BRIGHAM CITY—Brigham City El. Lt. Plant
EPHRAIM—Town El. Lt. Plant (City)
EUREKA—Eureka El. Co.
FAIRVIEW—Fairview El. Lt. Co.
FOUNTAIN GREEN—Big Springs El. Co.
GRANTSVILLE—Clark El. Pwr. Co.
HYRUM—Union Elec. Light & Power Co.
LEHI—Utah County Lt. & Pwr. Co.
LOGAN—Telluride Power Co.
City El. Lt. Plant (City)
MAMMOTH—Telluride Pwr. Co.
MANTI—Manti Light & Power Co.
MEROUR—Telluride Pwr. Co.
MORONI—Big Spring El. Co.
MOUNT PLEASANT—Mount Pleasant Mill & Pwr. Co.
MURRAY—Progress Co. (The)
Utah Lt. & Ry. Co.
NEPHI—Town El. Lt. Plant (City)
OGDEN—Utah Light & Power Co.
PARK CITY—Park City Lt., Ht. & Pr. Co.
PAYSON—City El. Lt. Plant (City)
PLEASANT GROVE—Utah County Lt. & Pr. Co.
PROVO—Telluride Pwr. Co.
The Elec. Co. of Provo.
RICHFIELD—Richfield El. Lt. & Pwr. Co.
RICHMOND—High Creek El. Lt. & Pwr. Co.
SALT LAKE CITY—Salt Lake Pub. Serv. Co.
Utah Light & Railway Co.
SMITHFIELD—High Creek El. Lt. & P. Co.
SPRING CITY—Spring City Lt. & Milling Co.
SPRINGVILLE—City El. Lt. Plant
TOOELE—Clark El. Pwr. Co.
WEST JORDAN—Progress Co.

VERMONT.

BARRE—Consolidated Lighting Co.
BARTON—City El. Lt. Plant
BELLOWS FALLS—Fall Mt. El. Lt. & P. Co.
BENNINGTON—Bennington El. Co.
BERLIN—(See Montpelier)
BETHEL—Bethel Elec. Light & Power Co.
Gaysville El. Lt. & Pwr. Co.
BRADFORD—Bradford Elec. Lighting Co.
BRANDON—Neshobe Electric Co.
BRATTLEBORO—Connecticut River Pwr. Co.
Twin State Gas & El. Co.
BRISTOL—Lake Dunmore Pwr. & Trac. Co.
BURLINGTON—Burlington Lt. & Pr. Co.
Burlington El. Lt. Plant (City)
CABOT—Mollys Falls El. Lt. & Pwr. Co.
CANAAN—Allen, Wm. F. Co.
CHELSEA—Chelsea El. Lt. & Bobbin Co.
DERBY—Stanstead El. Lt. Co.
ENOSBURG FALLS—City El. Lt. Plant
ESSEX JUNCTION—Peoples El. Lt. & P. Co.
FAIRFAX—Vermont Pwr. & Mfg. Co.
FAIRHAVEN—Fairhaven Electric Co.
HARDWICK—Village El. Lt. Plant (city)
Woodbury Granite Co.
HIGHGATE—Swanton El. Lt. Plant
HYDE PARK—City El. Lt. Plant
ISLAND POND—Island Pond Electric Co.
JOHNSON—Village Elec. Lt. Plant (Village)
LUDLOW—Town El. Lt. Plant (City)
LYNDON—Lyndonville El. Lt. Plant
LYNDONVILLE—Village El. Lt. Plant (Village)
MARSHFIELD—Molleys Falls El. Lt. & P. Co.
MIDDLEBURY—Middlebury Electric Co.
MONTGOMERY—Nelson & Hall Co.
MONTGOMERY CENTER—Nelson & Hall Co.
MONTPELIER—Consolidated Lighting Co.
Moody & Almon
Vermont Pwr. & Lighting Co.
MORETOWN—Moody & Almon
MORRISVILLE—Village El. Lt. & Wtr. Plant
NEWPORT—Newport El. Lt. Co.
NORTHFIELD—Village El. Lt. Plant (Village)
POULTNEY—Fairhaven El. Co.
PROCTOR—Vermont Marble Co.
RANDOLPH—White Riv. El. Co.
READSBORO—Readsboro El. Lt. Co.
RICHFORD—Sweat, Cummings Co.
RICHMOND—Richmond Light & Power Co.
ROCHESTER—Rochester El. Lt. & Pr. Co.
RUTLAND—Rutland Ry., Lt. & Pwr. Co.
ST. ALBANS—Vermont Pwr. & Mfg. Co.
ST. JOHNSBURY—St. Johnsbury Elec. Co.
SPRINGFIELD—Springfield Elec. Co.
SWANTON—Village El. Lt. Plant (Village)
VERGENNES—Vergennes Electric Co.
WATERBURY—Consolidated Lighting Co.
WELLS RIVER—Village El. Lt. Plant (Village)
WEST MINSTER—Fall Mountain El. Lt. & Pwr. Co.
WEST RUTLAND—Vermont Marble Co.
WHITE RIVER JUNCTION—Mascoma Electric Light & Gas Co.
WILLIAMSTOWN—Consol. Ltg. Co. (Montpelier)
WILMINGTON—Wilmington El. Lt. Co.
WINDSOR—Windsor Electric Light Co.
WINOOSKI—Burlington Lt. & Pwr. Co.
WOODSTOCK—Woodstock Electric Co.

VIRGINIA.

ABINGDON—Abingdon Water & Light Co.
ALEXANDRIA—Alexandria El. Co.
ASHLAND—Virginia Lt. & Pwr. Co.
BASIC CITY—South River Lt. & Pwr. Co.
BEDFORD CITY—Town El. Lt. Plant (City)
BERKELEY—Norfolk Ry. & Lt. Co.
BERRYVILLE—Winchester & Washington City Ry. Co.
BIG STONE GAP—Powell Valley Lt. & P. Co.
BLACKSBURG—Blacksburg Pwr. & Supply Co.
Virginia Polytechnic Institute
BLACKSTONE—Lt. Wtr. & Ice Co.
BRIDGEWATER—North River El. Co.
BRISTOL—Bristol Gas & El. Co.
BUENA VISTA—Buena Vista Lt. & Pwr. Co.
CHARLOTTESVILLE—Charlottesville & Albemarle Ry. Co.
CHRISTIANSBURG—Montgomery El. Co. (Inc.)
CLIFTON FORGE—Clifton Forge Lt. & Wtr. Co.
Clifton Forge, Ice & Bottling Works

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COVINGTON—Covington Lt., Ice & Cold Storage Co.
CULPEPER—Culpeper Lt. & Ice Co.
DANVILLE—Dan River Pwr. & Mfg. Co.
Danville El. Lt. Plant (City)
EMPORIA—Emporia Lt. & Pwr. Corp.
FARMVILLE—Farmville El. Lt. Plant (Village)
FRANKLIN—Town Elec. Lt. Plant (Town)
FREDERICKSBURG—Rappahannock El. Lt. & Town El. Lt. Plant (City) Pwr. Co.
FRONT ROYAL—Royal El. Lt. Plant (City)
GORDONSVILLE—Gordonsville El. Lt. & Pr. (City owns Plant)
GRAHAM—East River El. Co.
HAMPTON—Newport News & Old Point Ry. & El. Co.
HARRISONBURG—City Hydro-El. Plant (City)
LAWRENCEVILLE—St. Paul Normal & Industrial School
LEESBURG—Leesburg El. Co.
LEXINGTON—Lexington Light & Power Co.
LURAY—Luray El. Co., Inc.
Shenandoah Riv. Lt. & Pr. Corpor.
LYNCHBURG—Lynchburg Trac. & Light Co.
MANCHESTER—Virginia Pass. & Pwr. Co.
MARION—Marion Lt. & Pr. Co.
MARTINSVILLE—Town El. Lt. & Pwr. Plant
NEWPORT NEWS—Citizens' Ry., Lt. & P. Co.
NORFOLK—Norfolk Ry. & Lt. Co.
Norfolk & Portsmouth Trac. Co.
PETERSBURG—Virginia Pass. & Power Co.
PHOEBUS—Newport News & Old Point Ry. & Elec. Co.
POCAHONTAS—Pocahontas Lt. & Water Co.
PORTSMOUTH—Norfolk & Portsmouth Trac. Co.
PULASKI—City El. Lt. Plant
RADFORD—Radford Water Power Co.
RICHMOND—Virginia Passenger & Pwr. Co.
ROANOKE—Roanoke Lt., Heat & Pwr. Co.
Roanoke Ry. & El. Co.
Roanoke Wtr. Pwr. Co.
SALEM—Roanoke Wtr. Pwr. Co.
Salem El. Lt. Plant (City)
SHENANDOAH—City El. Lt. & Wtr. Plant
SOUTH BOSTON—S. Boston El. Lt. & P. Co.
STAUNTON—Augusta Electric Co.
Blue Ridge Lt., Pwr. & Ry. Co.
City of Staunton El. Lt. Wks. (City)
SUFFOLK—Suffolk Lt. & Ice Co.
TAZEWELL—Tazewell El. Lt. & Pwr. Co.
WARRENTON—Fletcher & Bros. El. Co.
WAYNESBORO—South River Lt. & Pwr. Co.
WEST POINT—West Point Wtr., Lt. & P. Co.
WINCHESTER — Winchester & Washington City Ry. Co.
WOODSTOCK—Woodstock El. Lt. & Pwr. Co.
WYTHEVILLE—Stone El. Lt. & Pwr. Co.

WASHINGTON.

ABERDEEN—Gray's Harbor Ry. & Light Co.
ANACORTES—Anacortes Water Co.
ARLINGTON—Jim Creek Wtr., Lt. & P. Co.
ASOTIN—Lewiston-Clarkston Co.
BALLARD—Seattle Electric Co. (City)
BELLINGHAM—Whatcom County Ry. & L. Co.
BLAINE—City El. Lt. Plant
BREMERTON—Bremerton-Charleston Lt. & Fuel Co.
Bremerton El. Lt. Co.
BUCKLEY—Buckley El. Co.
CASTLE ROCK—Castle Rock El. Co.
CENTRALIA—Centralia Elec. Lt. & Pwr. Co.
CHEHALIS—Chehalis Lt. & Pwr. Co.
CLARKSTON—Lewiston-Clarkston Co.
CLE ELUM—Northwestern Imp. Co.
COLFAX—El. Lt. Plant
COLVILLE—Northwestern Lt. & Pwr. Co.
COSMOPOLIS—Grays Harbor Commercial Co.
DAVENPORT—Big Bend Lt. & Pwr. Co.
DAYTON—Dayton Electric Co.
ELLENSBURG—City El. Plant
EVERETT—Puget Sound Inter. Ry. & P. Co.
Seattle-Tacoma Pwr. Co.
GARFIELD—Idaho-Washington Lt. & P. Co.
GEORGETOWN—Seattle El. Co.
HOQUIAM—Gray's Harbor El. Co.
LA CONNOR—La Connor El. Lt. & Pwr. Co.
LEAVENWORTH—Tumwater Lt. & Wtr. Co.
MARYSVILLE—Everett Ry. & El. Co.
MONROE—Monroe Wtr. & Lt. Co.
MONTESANO—Montesano Lt. & Wtr. Co.
MOUNT VERNON—Mount Vernon El. Lt. Co.
NORTH YAKIMA—Northwest Lt. & Wtr. Co.
North Yakima & East Selah Irrig. Co.
OAKESDALE—Idaho-Washington Lt. & P. Co.
OLYMPIA—Olympia Lt. & Pwr. Co.
PALOUSE—Palouse Lt. & Pwr. Co.
POMEROY—Tucannon Pwr. Co.
PORT ANGELES—City El. Lt. Plant (City)
PORT TOWNSEND—Citizens El. Co. (The)
PROSSER—Prosser Falls Land & Power Co.
PULLMAN—Idaho-Washington Lt. & Pwr. Co.
Lewiston-Clarkston Co.
PUYALLUP—City El. Lt. Plant
Tacoma Industrial Co.
RENTON—Seattle-Tacoma Pwr. Co.
REPUBLIC—Republic Lt. & Pwr. Co.
RITZVILLE—Ritsville El. Co.
ROSLYN—Northwestern Improvement Co.
SEATTLE—City El. Lt. & Pwr. Plant
Hanford Irrig. & Pwr. Co., Seattle Nat'l Bank bldg.
Northwestern Impr. Co.
Northwestern Improvement Co.
Puget Sound Pwr. Co.
Seattle El. Co.
Seattle-Tacoma Pwr. Co.
SEDRO WOOLEY—Shelton El. Co.
Skagit Improvement Co. (The)
SNOHOMISH—Snohomish El. Lt. & Wtr. Pwr. Co.
SOUTH BEND—South Bend El. Co.
SPOKANE—Big Bend Lt. & Pwr. Co.
El. Lt. Plant
Northwest Lt. & Wtr. Co.
Washington Wtr. Pwr. Co.
SPRAGUE—Big Bend Lt. & Pwr. Co.
TACOMA—Puget Sound El. Ry. Co.
Seattle-Tacoma Pwr. Co.
Syndicate Heat & Pwr. Co.
Tacoma El. Lt. Plant (City)
Tacoma Ry. & Pwr. Co.
TEKOA—Idaho-Washington Lt. & Pwr. Co.
VANCOUVER—Portland Ry., Lt. & Pwr. Co.
WAITSBURG—Waitsburg El. Lt. Co.
WALLA WALLA—Northwestern Gas & El. Co.
WATERVILLE—Waterville El. Lt. Plant (City)
WENATCHEE—Wenatchee El. Co.
Wenatchee Pwr. Co.
WINLOCK—Winlock El. Lt. Plant

WEST VIRGINIA.

BELINGTON—Consumers Heat, Lt., Wtr. & Pwr. Co.
BENWOOD—Ohio Valley Electric Light Co.
BLUEFIELD—Bluestone Traction Co.
BUCKHANNON—Buckhannon Lt. & Wtr. Co.
CENTRAL CITY—Ohio Valley El. Ry. Co.
CEREDO—Ohio Valley El. Ry. Co.
CHARLESTON—Kanawha Water & Light Co.
CHARLESTOWN—Charlestown El. Lt. & Pwr. Co.
CLARKSBURG—Clarksburg Elec. Light Co.
DAVIS—Davis Electric Light Co.
ELKINS—Elkins Pwr Co.
Valley Improvement Co.
FAIRMONT—Fairmont & Clarksburg Trac. Co.
GRAFTON—City El. Lt. Plant
Grafton Gas & El. Lt. Co.
GUYANDOTTE—Ohio Valley El. Ry. Co.
HAMBLETON—Parsons El. Lt. & Pwr. Co.
HARPERS FERRY—Harpers Ferry Electric Light & Power Co.
HINTON—Hinton Water, Light & Supply Co.
HUNTINGTON—Ohio Valley El. Ry. Co.
KEYSER—Keyser Elec. Light Co.
KEYSTONE—Keystone Lt. & Pwr. Co.
KINGWOOD—Town Electric Light Plant
McMECHEN—Ohio Valley El. Co.
MANNINGTON—Mannington Lt. & Pwr. Co.
MARTINSBURG—Martinsburg Power Co.
MONONGAH—Fairmont Coal Co.
MONTGOMERY—Montgomery Pwr. Co.
MORGANTOWN—Union Utility Co.
MOUNDSVILLE—Moundsville Electrical Co.
NEW MARTINSVILLE—New Martinsville El. Light, Heat & Power Co.
PARKERSBURG—Parkersburg, Marietta & Interurban Ry. Co.
PARSONS—Parsons Electric Light & Power Co.
PIEDMONT—Piedmont El. Lt. & Pwr. Co.
Piedmont Feed & Ice Co.
POINT PLEASANT—Point Pleasant Water & Light Co.
RAVENSWOOD—City El. Lt. Plant
RONCEVERTE—Consolidated Lt. & Pwr. Co.
ROWLESBURG—City El. Lt. Plant
SHEPHERDSTOWN—Shepherdstown El. Lt. & Pwr. Co.
SISTERSVILLE—Sistersville El. Lt. & P. Co.
THOMAS—Davis Coal & Coke Co.
TERRA ALTA—Terra Alta Electric Light Plt.
WELCH—Welch Water, Light & Power Co.
WELLSBURG—Wellsburg El. Lt., Ht. & P. Co.
WESTON—Weston El. Lt. Pwr. & Wtr. Co.
WHEELING—City El. Lt. Department (City)
Wheeling Electrical Co.

WISCONSIN.

ALBANY—Albany El. Lt. Co.
ALGOMA—Town El. Lt. Plant
ALMA—Alma Electric Light Co.
AMERY—Amery El. Co.
ANTIGO—Antigo Electric Light Plant
APPLETON—Wisconsin Trac., Heat & P. Co.
ARCADIA—Arcadia Electric Light Plant (City)
ASHLAND—Ashland Lt., Pwr. & St. Ry. Co.
White River Pwr. & St. Ry. Co.
AUGUSTA—Augusta El. Lt. Plant
BALDWIN—Baldwin Electric Light Co. (E. J. Cove, Prop.)
BARABOO—Baraboo Lighting Co.
BARRON—Town Electric Light Plant (City)
BAYFIELD—City Lt., Pwr. & Wtr. Plant
BEAVER DAM—Beaver Dam Lt. & Pwr. Co.
BELLEVILLE—Bennett, Mrs. A. D.
BELOIT—Beloit Wtr., Gas & El. Co.
BERLIN—Berlin Lighting, Heating & P. Co.
BLACK RIVER FALLS—Town Electric Light Plant (City)
BLOOMER—Bloomer El. Lt. Plant
BOSCOBEL—City El. Lt. Plant
BRILLION—Paustian, F. Milling Co.
BROADHEAD—Broadhead Electric Light Co.
BURLINGTON—Burlington El. Lt. & P. Co.
CAMPBELLSPORT—Dundee Wtr., P. & El. Co.
CASHTON—El. Lt. & Pwr. Co.
CASSVILLE—Cassville El. Lt. & Wtr. Wks.
CEDARSBURG—City El. Lt. Plant
CHILTON—Wisconsin El. Service Co.
CHIPPEWA FALLS—Chippewa Falls Water Works & Lighting Co.
CLINTONVILLE—City El. Lt. Plant
COLBY—City El. Lt. & Wtr. Plant
COLUMBUS—Town Water Works & Electric Light Plant (City)
CUDAHY—Milwaukee El. Ry. & Lt. Co.
CUMBERLAND—Town El. Lt. Plant (City)
DARLINGTON—Darlington El. Lt. & Wtr. P.
DELAVAN—Delavan Lt. & Pwr. Co.
DE PERE—De Pere El. Lt. & Pwr. Co.
DODGEVILLE—El. Lt. & Pwr. Co.
DURAND—Durand Light & Power Co.
EAU CLAIRE—Chippewa Val. Ry., L. & P. Co.
EDGERTON—Edgerton El. Lt. Co.
ELKHART—Elkhart Lake El. Co.
ELKHORN—City Lt. & Wtr. Plant
ELLSWORTH—Ellsworth El. Lt., Ht. & P. Co.
ELROY—Elroy El. Lt. Plant
EVANSVILLE—Town El. Lt. & Wtr. Plant
FENNIMORE—City El. Lt. Plant
FLORENCE—City El. Lt. Plant
FOND DU LAC—Eastern Wisconsin Ry. & Public Service Co. Lt. Co.
FORT ATKINSON—City Lt. & Wtr. Plant
FOUNTAIN CITY—Roettiger, H. & F.
GALESVILLE—Davis Mill Co.
GLENWOOD—Glenwood & Downing Lt. & P. Co.
GRAND RAPIDS—Consol. Wtr. Pwr. & Paper Electric & Wtr. Co. Co.
GREEN BAY—Green Bay Gas & Electric Co.
HARTFORD—Hartford El. Co.
HAYWOOD—Haywood El. Lt. & Pwr. Co.
HUDSON—Burkhardt Milling & El. Pwr. Co.
City El. Lt. Plant (City)
IRON RIVER—Wtr., Lt. & Pwr. Co.
JANESVILLE—Janesville El. Co.
JEFFERSON—Town El. Lt. Plant (City)
KAUKAUNA—Kaukauna Gas, El. Lt. & P. Co.
KENOSHA—Kenosha Gas & El. Co.
KEWASKUM—Kewaskum El. Lt. Co.
KILBOURNE—City El. Lt. Plant
LA CROSSE—Central El. Ct.
La Crosse Gas & El. Co.
La Crosse Wtr. Pwr. Co.
LADYSMITH—Ladysmith Lighting Co.
LAKE GENEVA—Equitable El. Lt. Co.
Lake Geneva Wtr. & Lt. Co.
LAKE MILLS—Fargo Creamery Supply House
LANCASTER—Lancaster El. Lt. Co. (Inc.)
LODI—City El. Lt. Plant
LOYAL—City El. Lt. Plant
El. Lt. Plant
MADISON—Madison Gas & El. Co.
MANAWA—Little Wolf River Lumber Co.
MANITOWOC—Manitowoc El. Lt. Co.
MARINETTE—Menominee & Marinette Lt. & Trac. Co.
MARSHFIELD—Marshfield Water, El. Light & Power Co.
MAUSTON—Mauston El. Service Co.
MAZOMANIE—Village El. Lt. Plant (Village)
MAYVILLE—Northwestern Iron Co.
Paustian, F. Milling Co.
MEDFORD—Medford Lt. & Heating Co. (Inc.)
MELLEN—Mellen Wtr. & Lt. Co.
MENASHA—City Lt. Plant
MENOMONIE—Menomonie Elec. Lt. & Pr. Co.
MERRILL—Merrill Ry. & Lighting Co.
Wright, H. W. Lumber Co.
MILWAUKEE—Milwaukee El. Ry. & Lt. Co.
MINERAL POINT — Mineral Point Electric
MONDOVI—Mondovi El. Lt. Co. Lt. Co.
MONROE—Monroe Elec. Light & Power Co.
MONTICELLO—Berlin & Monticello Granite Co.
MOUNT HOREB—Mount Horeb El. Lt. Plant
MUSCODA—Muscoda Elec. Light & Power Co.
NECEDAH—Necedah Milling & El. Co.
NEENAH—Wisconsin Trac., Lt., Ht. & P. Co.
NEILLSVILLE—Elec. & Water Supply Co.
NEW LONDON—City El. Lt. & Wtr. Wks. Plant

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NEW RICHMOND—Apple River Power Co.
City El. Lt. & Wtr. Wks.
NORTH MILWAUKEE—North Milwaukee Lt. & Pwr. Co.
OCONOMOWOC—City El. Lt. Plant
OCONTO—Oconto Electric Co.
People's Land & Mfg. Co.
OMRO—Omro El. Lt. Co. (Inc.)
ONALASKA—Wisconsin Lt. & Pwr. Co.
OSHKOSH—Oshkosh Gas Lt. Co.
PARK FALLS—Park Falls Wtr., Lt. & P. Co.
PESHTIGO—Peshtigo Lumber Co.
PHILLIPS—Phillips Lt., Wtr., Heat. & P. Co.
PLATTEVILLE—Platteville El. Lt. & P. Co.
PLYMOUTH—Plymouth Wtr., Lt. & Pwr. Co.
PORTAGE—Portage Electric Light Co.
PORT WASHINGTON—Wisconsin Chair Co.
PRAIRIE DU CHIEN—Prairie City Elec. Co.
PRESCOTT—El. Lt. Plant
PRINCETON—City El. Lt. Plant
RACINE—Milwaukee El. Ry. & Lt. Co.
REEDSBURG—City Elec. Light Plant (City)
North Freedom El. Lt. Co.
RHINELANDER—Rhinelander Lighting Co.
Rhinelander Power Co.
RIB LAKE—City El Lt. Plant
RICE LAKE—City El. Lt. Plant
Rice Lake Milling & Pwr. Co.
RICHLAND CENTER—Richland Center Electric Light Plant (City)
RIPON—Ripon Light & Water Co.
RIVER FALLS—Town Elec. Light Plant (City)
SEYMOUR—El. Lt. Plant
SHAWANO—Town El. Lt. Plant (City)
SHEBOYGAN—Sheboygan Lt., Pwr. & Ry. Co.
SHEBOYGAN FALLS—El. Lt. Plant
SHELL LAKE—City El. Lt. Plant
SOLDIERS GROVE—Soldiers Grove Elec. Co.
SOUTH MILWAUKEE—Milwaukee El. Ry. &
SPARTA—El. Lt. Plant Lt. Co.
SPOONER—City Wtr. & Lt. Plant
SPRING GREEN—Elec. Light Plant (City)
SPRING VALLEY—Spring Valley Lt. & P. Co.
STANLEY—Northwestern Lumber Co.
STEVENS POINT—Stevens Point Lighting Co.
STOUGHTON—City El. Plant
STURGEON BAY—Town Elec. Lt. Plant (City)
SUN PRAIRIE—Sun Prairie El. & Laundry Co.
SUPERIOR—Red Cliff Land & Lumber Co.
Superior Wtr., Lt. & Pwr. Co.
TOMAH—Tomah El. & Pwr. Co.
TOMAHAWK—Elec., Water & Telegraph Co.
TWO RIVERS—Town Water & El. Plant (City)
VIROQUA—Viroqua Elec. Light Co.
WASHBURN—City El. Pwr. Plant
WATERLOO—City El. Lt. Plant
WATERTOWN—Watertown Gas & El. Co.
WAUKESHA—Waukesha Gas & Electric Co.
WAUPACA—Waupaca Elec. Light & Ry. Co.
WAUPUN—Town Electric Light Plant (City)
WAUSAU—City El. Lt. Plant
Wausau Street R. R. Co.
WAUWATOSA—Milwaukee El. Ry. & Lt. Co.
WEST BEND—West Bend Heating & Ltg. Co.
WEYAUWEGA—Weyauwega Elec. Light Co.
WHITE WATER—White Water Elec. Lt. Co.
WITTENBERG—Viking Lumber Co.

WYOMING.

BUFFALO—Buffalo Mfg. Co.
CHEYENNE—Cheyenne Light, Fuel & Pwr. Co.
CODY—Shoshone El. Lt. & Pwr. Co.
CUMBERLAND—Union Pacific Coal Co.
DIAMONDVILLE—Diamond Coal & Coke Co.
DOUGLAS—Douglas El. Lt. & Pwr. Co.
EVANSTON—Evanston Elec. Light Co.
FRONTIER—Frontier Supply Co.
GREEN RIVER—Green River El. Lt. & P. Co.
HANNA—Union Pacific Coal Co.
KEMMERER—Frontier Supply Co.
LANDER—Lander Elec. Light & Power Co.
LARAMIE—Laramie Lt. & Pwr. Co.
NEW CASTLE—El. Co.
RAWLINS—Rawlins El. Lt. & Fuel Co.
Tucson Gas, El. Lt. & Pwr. Co.
ROCK SPRING—Union Pacific Coal Co.
SHERIDAN—Sheridan El. Lt. & Pwr. Co.

Electric Light Fixtures

(See Gas & Electric Light Fixtures, Manufacturers & Wholesalers)

Electric Light Poles

(See Poles, Iron & Steel, Flag & Street; also Ties, Poles & Posts)

Electric Light Reflectors

(See Reflectors)

Electric Lighting Plants for Yachts

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Herreshoff Mfg. Co., Bristol, R. I.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Electric Lighting Sets

U. S. Rapid-Fire Gun & Power Co., Derby, Conn.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Electric Motor Mfrs.

(See Dynamo & Motor Manufacturers; also Motors of Various Kinds)

Electric Novelties

Electric Appliance Co. ("Morse High Grade Electric Belts," Electric Insoles, Inhalers, etc.), Burlington, Kans.
Ohio Electric Works, Cleveland, O.
Scribner, J. W., & Co., Tonawanda, N. Y.

Electric Porcelain Supplies

(See Cleats, Porcelain & Clay)

Electric Power & Lighting Machinery

(See also Dynamos & Motors; also Generators, Various Kinds)

Akron Electric Mfg. Co., Akron, O.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Engine Co., Boundbrook, N. J.
C. & C. Electric Co., 149 B'way, New York
Crocker-Wheeler Co., Ampere, N. J.; 39 Cortlandt, New York
Elektron Mfg. Co., Springfield, Mass.
Fort Wayne Electric Works (Inc.), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Maine Electric Co., Portland, Me.
PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)
SPRAGUE ELECTRIC MFG. CO., 534 W 34th, New York. (See adv. index & branch offices, end of book)
Sturtevant, B. F. Co., Hyde Park, Mass.
Western Electric Co., 259 S. Clinton, Chicago, Ill., & 57 Bethune, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Electric Prints (Black, Blue or Brown)

SOLTMANN.E.G.

(Prints 4½ ft. Wide & Any Length Made in One Piece; also everything for the Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

*Electric Protective Devices

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
JOHNS-PRATT CO., THE ("Noark" Fuses & Accessories), Hartford, Conn.

Electric Railway Supplies

(See Railway Supplies, Electric)

Electric Speed Controllers

(See Controllers, Electric Speed)

Electric Switches

(See Switches, Various Kinds)

*Electrical Engineers & Contractors

(See also Electrical Supplies)

GRISCOM-SPENCER CO., 90 West, New York. (See adv. index & branch offices, end of book)
JONES, HAROLD K. (Out of Town Work a Specialty), 22 Burling Slip, New York
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Electrical Parts & Fittings (Stamped)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Electrical Supplies

(For All Other Electrical Specialties see Index of Contents)

ALABAMA.

BIRMINGHAM—Barbour Pl. & Elec. Co.
Burney Elec. Co.
Moore & Handley Hardware Co.
Stratford, M. T.
DOTHAN—Martin & Turnbull
MOBILE—Cox Elec. Engin'g & Supply Co.
Mobile Elec'l Supply Co.
MONTGOMERY—West Electric Co.
Wing, J. S.
SHEFFIELD—Spruance Elec. Co.
WETUMPKA—Gamble Hardware Co.

ARIZONA TERRITORY.

PHOENIX—Arizona Elec. Co.
TEMPE—Temp Hardware Co.
TUCSON—Russell Elec. & Machine Co.

ARKANSAS.

FORT SMITH—Masters, F. M.
HELENA—Rawlings, A. P.
Tappen Hardware Co.
HOPE—Hope Hardware Co.
Union Hardware Co.
Ward & Key
HOT SPRINGS—Rush Bros.
LITTLE ROCK—Arkansas Elec. Co.
Electric Construction Co.
PINE BLUFF—Pine City Elec. Co.
POCAHONTAS—Ozark Telephone Co.
RECTOR—Hofford, J. R. & Bros.
SILOAM SPRINGS—Benton County Hardware Co.

CALIFORNIA.

ARRAYO GRANDE—Robinson, R.
BAKERSFIELD—Carr, John H.
BERKELEY—Bradshaw, R. H.
Electric Wiring & Repairing Co.
BIGGS—Doty, W. M.
CASSEL—Williams, H. E.
COLTON—Colton Hardware Co.
Emery Hardware Co.
CORONA—Glass Bros.
EUREKA—Jenssen, E. & Co.
FERNDALE—Kausen & Williams Hardware
HEALDSBURG—Garrett, A. W. Co.
Gunn & Ferguson
Raabe, M.
LOS ANGELES—Gaus Bros.
Holabird-Reynolds Elec. Co.
Howe Bros.
Mission Fixture Co.
Pacific Electrical Works
Parmalee, Z. L. Co.
Woodill & Hulse Elec. Co.
LOS GATOS—Bogart, Albert & Co.
Lewis, O. & Son
MERCED—Barcroft, R. & Sons Co.
MONTEREY—Globe Elec'l Co. (Inc.)
NEVADA CITY—Alpha Hardware & Supply
Turner, Hadley Co. Co.
OAKLAND—Century Elec. & Fixture Co.
Const Electric Co.
Crescent Electric Co.
Oakland Electrical Co.
Pierce Hardware Co.
PASADENA—Gaylord & Vore
POMONA—Pierce, L. W.
REDDING—McCormick-Saeltzer Co.
Young, Jas. Hardware Co.
REDLANDS—Southwest Electrical Co.
RIVERSIDE—Southwest Electrical Co.

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SACRAMENTO—Crombach, John A.
Electrical Supply Co.
Oakley, Paul
Scott, Lyman & Stack
SAN DIEGO—Buker, C. W.
Hartwell, F. S.
Johnstone, J. S. & Son
Southern Electrical Co.
SAN FRANCISCO—Bachrach & Co., 556 Market
Bauer Lamp Reflector & Elec. Sign Co., 528 Gough
Breck Elec. & Mfg. Co., 55 Grove
Brooks, Follis Elec. Corp., 44-46 2d
Century Elec. Construction Co., 18 Fell
Cole, John R. Co. (Mfrs.' Agts.), 766 Folsom
Consolidated Elec. Appliance Co., 575 9th
Day, Thomas Co., 725 Mission
Drendell Elec. Mfg. Co., Mission & Erie
Dunham, Carrigan & Hayden Co., 150 Kansas
Eccles & Smith Co., 526 Mission
Elec. Railway & Mfrs. Supply Co.
Electrical Supply Co., 60 1st, 375 Natoma
Enterprise Elec. Works, 120 8th
Farnsworth Elec'l Works, 132-38 2nd
GENERAL ELECTRIC CO., Union Trust bldg. (See adv. index, end of book)
Hanbridge-Loyst Elec. Co. (Inc.), 564 Eddy
Hetty Bros., 326 Ellis
Holabird, Reynolds Elec. Co., 527 Mission
Illuminating Fixture Co., 566 Eddy
Kirsten, W. H., 55 McAllister
Levy Elec. Co., 648 Sacramento
Marwedel, C. W., 260 9th
National Elec. Co., 103 Turk
Seiler, Paul Elec'l Works, 322 Market
Standard Elec'l Works, 117-21, New Montgomery
Sterling Elec. Co., 137 New Montgomery
Weidenthal-Gasliner Elec. Works, Mission
Will & Finck, 10 Gough
SAN JOSE—California Elec'l Construction Co.
SAN LUIS OBISPO—Payne, E. M., 774 Hignera
SAN MATEO—Foster, J. A., 232 2d av.
SANTA ANA—Nickey Hardware Co.
SANTA BARBARA—Loveday, Claude
Reynolds Elec'l Supply Co.
SANTA CLARA—Menzel, R. Hardware Co.
SANTA CRUZ—Byrne Bros.
SANTA MONICA—Wilson, E. A. & Co.
SANTA ROSA—Northwestern Elec. Co.
STOCKTON—Jackson & Earle
Powell, N. D.
VISALIA—Wild, W. E.
WATSONVILLE—Pajaro Valley Mercantile Co.
WEAVERVILLE—Weaverville Supply Co.

COLORADO.

COLORADO SPRINGS—Central Elec. Co.
Electric Co.
New York Electric Co.
DENVER—Cahn Elec. Co., 1480 Welton
Carstarphen Elec. Co., Colfax & B'way
Carter, A. S., 531 16th
Denver Elec. Co., 137 15th
Elec'l Supply & Cons. Co., 1522 Stout
GENERAL ELECTRIC CO., Kittredge bldg. (See adv. index, end of book)
Hendrie & Bolthoff, 1639 17th
Mountain Elec. Co., 1619-23 Glenarm
New England Elec. Co., 1551 Blake
Rice, W. E., 435 15th
Sachs-Lawlor Machine & Mfg. Co., 1543 Sliver State Elec. Co., 222 15th Larimer
Western Elec. Co., 1516 Curtis
Wilkes, Gilbert Co., MePhee bldg
LEADVILLE—Baker, I. S.
MONTE VISTA—Weiss-Chapman Drug Co.
OURAY—Arpis Bros. Hardware Co.
PUEBLO—Pueblo Elec. Co.
Stevison Elec. Co.
SALIDA—Bateman Hardware Co.
SILVERTON—Crooke & Fuller Hardware Co.
TRINIDAD—Trinidad Gas & Elec. Supply Co.
Warren Elec. Co.

CONNECTICUT.

ANSONIA—Burr, C. B.
BRIDGEPORT—Gale Elec. Co (Inc.)
Kilpatrick & Hotz Co.
BRISTOL—Stedman & Co.
Weldon, S. A. & Son
DANBURY—Danbury Hardware Co.
Hewitt & Warden
DERBY—Biever, N. L.
GREENWICH—New England Engineering Co.
HARTFORD—Francis & Co.
Hanlon & Murphy
Hartford Electric Supply Co.
New England Engineering Co.
JEWETT CITY—Tracy, John H.
MERIDEN—Morse, H. W.
MIDDLETOWN—Noxon & Whitney Co.
NEW BRITAIN—Abbe, A. H. & W. E.
Mills, H. L.
New England Engineering Co.
NEW HAVEN—Bishop, Walter S.
Dinnan, J. J.
Gale, W. W. & Co.
New England Engineering Co.
Pierson & Dean Co.
NEW LONDON—Lyon & Ewald
New England Engineering Co.
NEW MILFORD—Hine, H. D.
NORWALK—Hubbell & Staple Hardware Co.
NORWICH—Eaton, Chase & Co.
Preston Bros.
SOUTH NORWALK—Dow, C. E.
Fox Cycle & Hardware Co.
TORRINGTON—Perkins, E. A. Elec. Co.
WATERBURY—New England Engineering Co.
WESTPORT—Guyer, W. S. & Son
WINSTED—Richards, Geo. & Son
WOODBURY—Hitchcock, F. F.

DELAWARE.

GEORGETOWN—Holson Bros. Hardware Co.
WILMINGTON—Garrett, Miller & Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Brooks, E. F. Co., 531 15th, N. W.
Chesapeake Supply Co., 1009-15 9th, N. W.
Galloway, John R., 525 10th, N. W.
Gasch, Richard & Sons, 914 9th, N. W.
National Electrical Supply Co., 1330 New York av, N. W.
Peerless Elec. Co., 1226 H, N. W.
Rau, John C., 524 12th, N. W.
Schneider's Sons, C., 1207 F, N. W.
Young, Geo. A., 717 9th, N. W.

FLORIDA.

JACKSONVILLE—Florida Elec. Co.
PENSACOLA—Peake, Edw. W.
Pearl, Philip R., 17 W Garden
ST. AUGUSTINE—Hamblen, C. F.
TAMPA—Dunn, Jesse
Pierce Bros. & Co.
Shea, D. W.

GEORGIA.

ARLINGTON—Fudge, Y. W.
ATLANTA—Carter, W. E. Elec. Co., 12 Walton
Carter & Gillespie Elec. Co., 40 N Broad
GENERAL ELECTRIC CO., Empire bldg. (See adv. index, end of book)
Wade, G. H. Elec. Co., 708-09 Gould bldg.
AUGUSTA—Brill Elec. Co.
Moore-Edenfield Elec. & Mfg. Co.
CARTERSVILLE—Calhown Bros.
COLUMBUS—Hill Electric Co.
FITZGERALD—Hussey & Parratt
GRIFFEN—Davis, R. H.
MACON—Putzel, Morris
Southern Electric Supply Co.
ROME—Rome Supply Co.
SAVANNAH—Electric Supply Co.
Savannah Elec. Repair Co.
SHELLMAN—Shellman Hardware Co.

HAWAII.

HONOLULU—Hawaiian Elec. Co. (Ltd.)

IDAHO.

BOISE—Boise Electrical Supply Co.
Electric Fixture & Supply Co.
COEUR d'ALENE—Home Elec. Supply Co.
LEWISTON—Lewiston Electric Supply Co.
POCATELLO—Pocatello Elec. Supply Co.

ILLINOIS.

ALTON—Alton Plumbing & Heating Co.
BELLEVILLE—Karr Supply Co.
Kircher & Son
Stoltz, U. J. Plumbing Co.
BLOOMINGTON—Carlton, Guy
Gray, James
Keiser-Van Leer Co.
Read & Bro., G. H.
BLUE ISLAND—Brouson, E. B. & Co.
CAIRO—Halliday-Rittenhouse
CARLYLE—Feulner, Fred
CHICAGO—Akins, B. L. & Co., 1898 Evanston
Allen Elec. Co., 153 Jefferson, S av.
American Electical Supply Co., 211 E Lake
Appleton Elec. Co., 224 Washington
Arms & Co., 384 E 39th
Austin, M. B. & Co. (Mfrs.' Agts.), 137 W Jackson boul
Bernet & Co., 3975 Cottage Grove av.
Birtman, C. F. Co., 152 E Lake
Bodine Elec. Co., 72 S. Canal
Central Electric Co. (Wholesale Jobbers), 266 5th av.
Chicago Electric Mfg. Co., 60 Van Buren
Darche Mfg. Co., 830-46 S Halsted
Electric Service Supplies Co., 303 Dearborn
Electrical Appliance Co. (Wholesale Jobbers) 134 W. Jackson Boul.
Friedlander Co., 149 Huron
Garton, W. R. Co., 132 W. Jackson Boul.
GENERAL ELECTRIC CO., Monadnock blk. (See adv. index, end of book)
Gorman, Sam. J. Co., 824 W Fullerton av
Harvard Elec. Co., 66 W Van Buren
Illinois Electric Co. (Wholesale Jobbers), 239 Madison
Karas Elec. Co., 90 Illinois
Manhattan Electrical Supply Co. (Mfrs. & Jobbers), 188 5th av.
Metropolitan Electrical Supply Co., 184 E Lake
Morgan-Gardner Electric Co., 27th & Stewart av
Safety Elec. Co., 35 Michigan av.
Standard Elec. Co., 109 S. Western av.
Tietgen, Falk & Co., 79 W Van Buren
Vim Co., 68 E Lake
Wagner, R. V. Co., 140 Wabash av.
Wallace Supply Co., 19 S Jefferson
Western Electric Co. (Mfrs. & Wholesalers) 259 S Clinton
WESTINGHOUSE ELEC. & MFG. Co., 171 La Salle. (See adv. index, end of book)
Wilkins, Charles, 397 Milwaukee av
Williamson, R. & Co., 88-92 W Washington
Wilmarth, T. W. & Co., 261 Wabash av.
Young, Dan & Co., 929 W Madison
Zenco Elec'l Supply Co., 92 W Van Buren
CHILLICOTHE—Slinn & Davis
COLCHESTER—Wear, E. Bert Co.
CUBA—Marshall, G. A.
DANVILLE—Allen, T. A. Elec. Co.
Marrs, Tanner Elec. Co.
DECATUR—Dawson, O. W. & Co.
Elec. Supply & Fixture Co.
Trotter, Walker Elec Co.
Vaughn Elec. Co.
DOWNERS GROVE—Hawkins, H. J.
EAST ST. LOUIS—Broderick & Co.
EVANSTON—Adams, C. H. & Co.
Pihl, A. O.
FAIRFIELD—Heidinger, F.
FREEPORT—Ridgeway Elec. Co.
GALESBURG—Nelson, F. J.
Quigley, J. P., 53 S Cherry
Telford, O. S.
GRAYVILLE—Ronalds & Ronalds
GREENUP—Miller, W. H.
HARRISBURG—Harrisburg Elec. Co.
HARVARD—Wagar, G. E.
HINSDALE—Hinsdale Elec'l Supply Co.
LEBANON—Sager Hardware Co.
MARENGO—Renwick, Geo. F. & Son
MOUNT OLIVE—Mount Olive Telephone & Elec. Co.
NEWTON—Roebuck, Geo. E.
OAK PARK—Elsom, Wright, Jr.
PARIS—Wolfe, A. W.
PEORIA—Barnholdt, John
Central Electric Co., 234 S Jefferson av.
Crawley Elec. Co.
Feger Elec. Co.
McMeen Elec'l Co.
Mills Elec. Co.
Stapp, C. E.
PONTIAC—Foster, Clarence
PRINCETON—Glynn & Co.
QUINCY—Best, E. Plumbing & Steam Heating Co.
Gem City Elec. Co.
Gunther Hardware Co.
Niswinder & McCoy
Tenk Hardware Co.
ROCKFORD—Pendergast, E. F. & Co.
Sells, Miller, Santee Co.
Warner Electrical Engineering Co.
ROCK ISLAND—Elec'l Cons. & Machinery Co.
Fiebig, Charles
SPRINGFIELD—Haas, R. Electric & Mfg. Co.
STAUNTON—Frits, H. C.
TABLE GROVE—Cass, J. A.
TUSCOLA—Field Appliance Co.
URBANA—Electric Appliance Co.
WAUKEGAN—Lyon, G. R. & Sons
XENIA—Peirce, N. T.

INDIANA.

ANDERSON—Indiana El. Co.
DUNKIRK—Chicago Telephone & Supply Co.
Skinner, W. L.
ELKHART—Borneman & Sons

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FERDINAND—Beckmann, J. H. & Sauer
FORT WAYNE—Arnold, P. B., 724 Harrison
FRANKLIN—Franklin Hardware Co.
GAS CITY—Jackson Bros.
GOODLAND—Burgess & Jakway
Gumm, Hart & Co.
GREENFIELD—Cooper, J. W.
GREENWOOD—Cooke & Sons
Peek, Grafton
INDIANAPOLIS—Cheyne, F. H. Electrical Co. 115 Ohio
Elliott Telephone & Elec. Co., 421 Mass av.
Farrell, J. S. & Co., 332 N Illinois
Hatfield Electric Co., 36 S Meridian
Rayse Elec. Co., 125 S Meridian
Sanborn Marsh Electric Co., 115 N Illinois
Skillman Elec. Co., 51 Kentucky av.
Varney Elec'l Supply Co., 235 S Meridian
JONESBORO—Jackson Bros.
LAFAYETTE—Central Laboratory Supply Co.
Howe & Shipley, 330 Main
LOGANSPORT—Cann, Geo. W. & Co.
MARION—Economy Elec. Co.
MUNCIE—Carpenter, Albert G.
Mach. Electric Supply Co.
NAPPANEE—Weiss & Brevert Bros.
NEW ALBANY—Thompson, O. C.
OSGOOD—King, H. P. Elec'l & Machine W'ks
PERU—Kling, Alpha H.
RICHMOND—Jones Hardware Co.
ROCKVILLE—Dooley & Dooley
ROYAL CENTRE—Bingaman, W. H.
SHELBYVILLE—De Prez, J. G. & Co.
SOUTH BEND—Elec. Service Co.
TERRE HAUTE—Freitag & Weinhart, 664 Wabash av.
Miller Elec. Co., 710 Rose court
TIPTON—Compton & Son
UNION CITY—Platt & Son
VEVAY—Danner, A. V.
WINCHESTER—Magee, C. E. & Son
WORTHINGTON—Andrews, W. C. & Co.
Shaw Hardware Co.

IOWA.

BURLINGTON—Modern Elec. Co.
CEDAR RAPIDS—Cedar Rapids Elec. Supply Co.
Fawcett, C. E.
Terry, J. B. & Co.
CLINTON—Baldwin Bros.
COUNCIL BLUFFS—Lovett, Israel & Co.
DAVENPORT—Tri-City Elec. Co.
DES MOINES—Collins, John, Observatory bldg.
Midland Elec. Co.
DUBUQUE—Smith, E. P. Elec. Contracting Co.
ESTHERVILLE—Lohr, E. B.
Naucolas & Howard
FORT DODGE—Downing Electrical Co.
GRINNELL—Miles, G. L.
KEOSAUQUA—Duckeworth, W. A. & Son
MUSCATINE—Jackson Electric Supply Co.
NEVADA—Nevada Mutual Telephone Co.
SHELDON—Messer, E. P. & Son
SIOUX CITY—Corn Palace Elec. Cons. Co.
Electrical Construction Co.
Hawkeye Elec. Co.

KANSAS.

ARKANSAS CITY—Hamilton, Collison Hard-
CLAY CENTER—Wixon, A. A. ware Co.
COFFEEVILLE—Coffeeville Elec. Supply Co.
Stevens El. Supply & Construction Co.
GLASCO—Davidson & Co.
LEAVENWORTH—Tholen Bros.
LOGAN—King, F. J. Co.
TOPEKA—Eagle Mercer Electric Co.
Howard, H. B.
WATERLOO—Waterloo Elec'l Supply Co.
WEBSTER CITY—Bonebright, F. A.
WELLINGTON—Fetters, A. & Son
WICHITA—Incandescent Light & Supply Co.
Jordan, E. P.
Landis Electric Co.
United Electric Co.
WINFIELD—McGregor, J. G.

KENTUCKY.

ASHLAND—Wellman, H. Elec. Mfg. & Supply
COVINGTON—Fischer's Bros. Co. Co.
FLEMINGSBURG—Henderson, C. W.
LEXINGTON—Frazer & Bush
LOUISVILLE—Albrecht & Heick, 242-44 W Jefferson
Belknap Hardeware & Mfg. Co., 2d & Washington
Brownell, H. G., 247 W Main
Clark, James, Jr., Electric Co. (Jobbers & Mfrs.), 313 W Main
Daubert & Schrecker, 1006 3d
Home Elec. Co., 238 3d
Louisville Electric Supply Co., 412 2d
McWilliams, Jos. & Co., 719 W Market
Tafel, Hennan C., 254 W Jefferson
Wolff, E. W., 1023 3d
Wood, Harry I., 518 W Main
OWENSBORO—Kentucky Electrical Co.
PADUCAH—Foreman Bros. Elec. Co.
Katterjohn & Dalby.

LOUISIANA.

ALEXANDRIA—Evans Bros.
CROWLEY—Marx, Frank
LAFAYETTE—Lacasti Hardware Co.
NEW ORLEANS—Barnes Elec. Construction Co. (Ltd.), 513 Gravier
Conrad, H. J., 819 Iberville
Douglas Elec. Cons. Co., 511 Godchaine
Electric Appliance Co., 205 Chartres bldg.
Falvey-Wilson Co., 528 Baronne
GENERAL ELECTRIC CO., Hennen bldg. (See adv. index, end of book)
Hartwell, C. C. Co. (Ltd.)
Interstate Electric Co., 344 Baronne
Joachun, J., 309 Dryades
Marks Elec. Cons. Co., 532 Iberville
National Automatic Fire Alarm Co. of Louisiana, 614 Gravier
Richardson, J. W. A., 715 Union
Sammons, E. A. & Co. (Ltd.)
Stewart, S. J., 312-14 Hibernia Bank bldg.
Woodsum, Herbert E.
RAYNE—Stamm Hardware Co.
SHREVEPORT—Elliott Elec. Co.
Watson Electric Supply Co.

MAINE.

AUBURN—Elms, James
AUGUSTA—Ward, A. D.
BANGOR—Bangor Elec'l Construction Co.
Dole, Chas. E.
Lane, J. N. E.
Smith & West
BAR HARBOR—Dole, C. E.
BIDDEFORD—Authoine, Geo. A.
BRIDGTON—Wales & Hambler
BRUNSWICK—Furbish, Benj. L.
BUCKSPORT—Gardner, E. B. & Co.
CHERRYFIELD—Nash, F. C.
ELLSWORTH—Wescott, H. F.
LEWISTON—Stetson, J. H. Co.
Whitney, Geo. A. & Co.
PORTLAND—Cleveland, L. W. Co., 414-16 Congress
Fox, John M. & Co.
Maine Elec. Co. (The), 25 Commercial
Marston, C. L. & Co., 228 Middle
Morrill, T. L. & Co.
York & Boothby Co., 222 Middle

MARYLAND.

BALTIMORE — **ALLIS-CHALMERS CO.,** 1307 Continental bldg. (See adv. index, end of book)
Baltimore Elec. Supply Co., 215 N Calvert
Baltimore Gas Light Co., 520 W Baltimore
Durling Elec. Co., 106 S Gay
Enos Co., 519 N Charles
GENERAL ELECTRIC CO., Continental Trust bldg. (See adv. index, end of book)
Maryland Elec. Supply Co., 328 N Eutaw
Rosenfeld, Eugene & Co., S Howard
Zamoiski, Joseph M., 409 W Lexington
CAMBRIDGE—Wright, H. H.
EASTON—Shannahan & Wrightson Hdw. Co.
FREDERICK—Frederick Elec'l Engineering Co.

MASSACHUSETTS.

ARLINGTON—Le Baron, R. W.
BEVERLY—Hamilton, F. A. E.
BOSTON—Boston Cons. Co., 48 N Washington
Boston Elec. Co., 29 Harrison
Bryne, Thomas W., 8 Doane
Buckminster, Geo. H. & Co., 155 Milk
Chipman, W. E. & Co., 62 Sudbury
Clarke & Mills Elec. Co., 543 Boylston
Electric Goods Mfg. Co., 144 Pearl
Fuller, Seth W. Co., 100 Bedford
GENERAL ELECTRIC CO., 84 State. (See adv. index, end of book)
Holder, H. A., 122 Dudley
Jamaica Plain Elec. Co., 290 South
Knowles, Charles S., 7 Arch
Lewis, Edwin C., 121 Federal
McKenny & Waterbury Co., 181 Franklin
Pettingell, Andrews Co. (Wholesale Jobbers), 156 Pearl
Pierce, Chas. & Co., 42 Charles
Reblis & Covell, 91 Warren
Ridlon, Frank Co. (Trolley Line), 251 A
Stuart-Howland Co. (Wholesale Jobbers), 4-5 Winthrop square
Summers, H. & Sons, 38 Charles
Swan Electrical Co., 37 Pearl
United Electric & Apparatus Co., 200 Summer
Walter, Harry, 26 Exchange pl
Wetherbee & Whitney, 112 Franklin
Wetmore-Savage Co., 65 Oliver
BROCKTON—Snow Bros., 16 Centre
Tremain Elec. Co., School & City Hall sq.
BROOKLINE—Fleming, J. F.
CAMBRIDGE—Brock Bros., Harvard sq.
Bryant, F. & Co., 728 Mass av.
Clarke & Mills Elec. Co., 1444 Mass av.
CHARLESTOWN—McVarnish Co. (The)
CLINTON—Howe, Nathaniel L.
Pratt, E. O.
COHASSET—Cohasset Elec. Co.
CONCORD—Keyes, J. M.
FALL RIVER—Potter & Earle, 158 N Main
FITCHBURG—Bruce-Hibbard Elec. Co.
GLOUCESTER—Favor, S. S.
HAVERHILL—Fox, D. G.
Heath, A. P.
Kimball, H. W.
HOLYOKE—Haskell, H. Frank
Oakes, Roland T. Co.
HYDE PARK—Nortolk Construction Co.
LOWELL—Derby & Morse
New England Elec. & Supply Corp.
Tucke & Parker Co.
LYNN—Campbell Elec. Co.
Gilson, Hatch & Wood
MANCHESTER—Clark & Mills El. Co.
MILFORD—Tewksbury, W. C.
NATICK—Durkee, M. A.
Fiske & Co.
NEW BEDFORD—Whitlow Corporation
NEWBURYPORT—Dickens, Jas.
NORTH ADAMS—Spruill, J. B.
NORTH ATTLEBORO—Hall, W. M.
PITTSFIELD—Berkshire Elec. Co.
SHELBURNE FALLS—Newell, H. & Co.
SOMERVILLE—Underhill Hardware Co.
SOUTH FRAMINGHAM—Foley Bros.
SPRINGFIELD—Carter Electric Co.
Fitzpatrick, P. O.
Hayes, Chas. E.
TAUNTON—Presbrey-Field Co.
WAKEFIELD—Taylor, Geo. H.
WARE—Sibley, J. B. & Son.
WEST MEDFORD—Ober, William E.
WEST NEWTON—Colgan, Wm. H.
WOBURN—Thompson, L. W.
WORCESTER—Coghlin Elec. Co., 234 Main
Power Maintenance Co., 100 Mechanic
Temple, Henry D., 217 Commercial

MICHIGAN.

BATTLE CREEK—Central El. Co., 124 B'way
DETROIT—Commercial Supply Co., 47 Park pl, W
Detroit Electric Co., 56 Shelby
Fuller Co., 1565 Russell
GENERAL ELECTRIC CO., Majestic bldg. (See adv. index, end of book)
Miller Seldon Elec. Co., 55 Park pl, N
Seidler-Miner Elec. Co., 207 Jefferson
Standard Elec. Co., 194 Randolph
Teal, Frank C Co., 75 Bates
Walker, Henry L., 40 Larned, E
EATON RAPIDS—Minnie & Tubbs
FLUSHING—Phelps, C.
FRANKFORT—Upton, Wm.
GRAND RAPIDS—Grand Rapids Elec. Co., 9 S Division
Lewis Elec. Co., 36 N Division
Neuman Elec. Co., 53 E Bridge
Wheeler, M. B. Electric Co.
HARRISVILLE—Kahn, S. B.
HOLLAND—Bertsch, Chas. A. Elec. Co.
HOUGHTON—Barrett Elec. Co.
KALAMAZOO—Columbian Elec. Co.
LANSING—Capitol Elec. Engineering Co.
Rice, Seymour A.
SAGINAW—Johnson, J. H. & Co.
Markey & Co.
ST. CLAIR—Whiting, John P.
ST. LOUIS—Humphrey & Brockway
St. Louis Hardware Co.
SAULT SAINTE MARIE—Northern Elec. Co.
WEST BAY CITY—Hahn, Joe

MINNESOTA.

AITKEN—Potter-Casey Co.
Moark & Young
CLOQUET—Fish, L. A.
DULUTH—Northern Elec'l Co., 20 3d av.
LITCHFIELD—Settergren Bros.
MINNEAPOLIS—Bell, Vernon & Co., 56 S 3d
Electrical Engineering Co. (Wholesale & Retail), 21 N 6th
GENERAL ELECTRIC CO., Phoenix bldg. (See adv. index, end of book)
Laird, R. M., 311 2d av, S
Minneapolis Elec. & Cons. Co., 15 S 4th
Northern Electric Co., 9 S 5th
Pierson & Wilcox Elec. Co., 223 5th

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NASHWAUK—Nashwauk Hardware Co.
ROCHESTER—Kennedy, Wm. Elec. Co.
RUSH CITY—Johnson, S. O. & Son
ST. PAUL—Nimis & Nimis, 21 E 5th
Northwestern Elec. Equipment Co., 185 E Pioneer
Elec. Co., 367 Jackson 4th
St. Paul Electric Co., 316 Robert
SAUK CENTER—Schleuseuer Hardware Co.
SOUTH ST. PAUL—Erick & Schult Co.
SPARTA—Juten & Carlson
Saari, Campbell & Kraker

MISSISSIPPI.

HOUSTON—Brand & Lyles Hardware Co.
MERIDIAN—Dalton, W. J. Elec. Co.
OKOLONA—Parchman Bros.
OXFORD—Price, Belbue
TUPELO—Trice & Raymond Hardware Co.
VICKSBURG—Pegram, J. B.
WEST POINT—West Point Hardware Co.
YAZOO CITY—Crane Hinman Hardware Co.
Yazoo Hardware Co.

MISSOURI.

APPLETON—Luchsinger Merc. Co.
BETHANY—Bethany Hardware Co.
Coles Hardware Co.
Stubbs & Son
BRECKENRIDGE—Cochran, John T.
COLUMBIA—Furtney, C. W.
HANNIBAL—Bluff City Heating & Elec. Co.
Robinson, T. C. & R. B.
HIGGINSVILLE—Downing, Sam.
Knipmeyer, J. H.
Ritter Bros.
HOLLIDAY—Curtright & Cunningham
JEFFERSON CITY—Star Dynamo Co.
JOPLIN—Belden Elec. Supply Co.
KANSAS CITY—B. R. Elec. & Telephone Mfg. Co., 5th & Delaware
Bunting, Stone Hardware Co., 804 Walnut
Cowie, E. S. Elec. Co., 1413 Grand av.
Electric Wiring Co., 711 Delaware
Hodge Elec. & Mfg. Co., 701 Delaware
Kansas City Elec'l Cons. Co., 930 Wyandotte
Kansas City Elec. & Telephone Supply Co., 919 Grand av.
North Elec. Co. (The), 317-19 S. W. boul.
Osborn, W. T. & Co., 702 Delaware
Ross, L. C. Co., 813 Walnut
Stephens Gas Appliance Co. (The), 909 N Western
Elec. Co., 611 Wyandotte 6th
LEBANON—Bantley Bros. Hardware Co.
MACON—Farrar, Chas. L.
MEMPHIS—Clement, W. C.
Morris, Ben.
Mount, J. E.
ROLLA—Livesay & Walker
Spilman, J. A.
ST. JOSEPH—American Electric Co., 218 S 7th
Columbian Elec. Co., 820 Frederick
L. & H. Elec. Co., 315 S 8th
McCarthy Bros. Co., 816 Olive
ST. LOUIS—Abadie, E. H. Co., Times bldg
Adam, Frank Electrical Co., 904-914 Pine
Asher, Henry, 5011 Delmar av.
Brueggeman Hardware Co., 202 N 12th
Bullock Electric Mfg. Co., 721 Olive
Central Telephone & Electric Co., 2135
Chapman, P. E., 17 N 10th
Lucas av
Commercial Electrical Supply Co. (Wholesale Jobbers), Pine & 15th
Crocker-Wheeler Co., 721 Olive
Eclipse Elec'l Co., 1224 Pine
Electric Service Supplies Co., 316 N 2d
Electric Traction Supply Co., 310 Market
Electrical Machine & Specialty Co., 204 Franklin av.
Ewing-Merkle Electric Co. (Wholesale Jobbers), 1106 Pine
GENERAL ELECTRIC CO., Wainright bldg. (See adv. index, end of book)
Inland Electric Co.
Linze El. Supply Co., 1141 Olive
Oliver Elec. & Mfg. Co., 3215 Pappin
Rumsey & Sikemeier Co., 19th & Pine
St. Louis Elec. Mfg. Co., 7th & Hickory
Sutter, Chas. J., 1220 Pine
Wagner Electric Mfg. Co., 415 Locust
Wesco Supply Co.
Western Electric Co. (Of Chicago), 810 Spruce
SPRINGFIELD—Electric Equipment Co.
Springfield Electrical Supply Co.
UNIONVILLE—Quigley Supply Co.
WEST PLAINE—Aid Hardware Co.
Funkhouser & Davis

MONTANA.

BUTTE—Anaconda Copper Mining Co.
Montana Elec. Co. (The)
Tracy, W. W., 1130 Utah av.
DILLON—Dart Hardware Co.
GREAT FALLS—Great Falls Elec. Properties
HELENA—Allen & Jones
GENERAL ELECTRIC CO. (See adv. index, end of book)
LIVINGSTON—Park County Electric Co.

NEBRASKA.

AURORA—Mather, Myrl S.
CRETE—Small, A. E. & Co.
HASTINGS—Brown, H. S. & Co.
MINDEN—Hawes Hardware & Furniture Co.
OMAHA—Burgess-Granden Co., 1511 Howard
Lehmer, Joseph R.
Nebraska El. & Fixture Co.
Western Electric Co., 802 Farnam
Western Electrical Co., 411-13 S 10th
Wolfe Elec. Co., 1810 Farnam

NEVADA.

RENO—Reno Electrical Works
Riverside Fixture Co.
VIRGINIA CITY—Crosby Co.

NEW HAMPSHIRE.

CLAREMONT—Rice, C. A.
FRANKLIN—Burleigh, H. W.
GROVETON—Welch, G. W.
KEENE—Rossman, G. M.
Willard, L. M.
LANCASTER—Moore, L. F.
MANCHESTER—Farrell Bros.
Franks, A. L.
NASHUA—Austin, C. H.
PORTSMOUTH—Chadwick & Trefethen
WHITEFIELD—Libbey, M. F.

NEW JERSEY.

AMPERE—Crocker-Wheeler Co.
ASBURY PARK—Hope Electric Co.
ATLANTIC CITY—Albertson & Young
Allen, Philip E.
Leigh, P. J.
Valle, Geo. W. Electric Co.
BERNARDSVILLE—Buist, David
BRIDGETON—Estbill & Ott
CAMDEN—Cremins, E. F. Electric Co., 826
CLOSTER—Sherman & Walton B'way
EAST ORANGE—Shaw, H. M. & Co., 563 Main
JERSEY CITY—Blinck, Jean R. 49 Montgomery
GRISCOM-SPENCER CO., Grand & Sussex. (See adv. index, end of book)
Jersey City Elec. Co., 772 West Side av.
MILLVILLE—Anderson, J. W.
MOORESTOWN—Stiles, Wilson T.
MORRISTOWN—Dean, W. W.
Dutton, Willis H.
New Jersey Engineering & Construction Co.
NEWARK—Elec'l Maintenance & Rep. Co., 202 Market
Electric Motor & Equipment Co. (The), 232
Harlfinger, A., 59 Ann Market
Jaehnig, Paul H., 18 Bank
Newark El. Supply Co. (Jobbers), 281 Mar-
Venino, Ferdinand, 13 Ward ket
WESTINGHOUSE ELEC. & MFG. Co., 95 Orange. (See adv. index, end
NEW BRUNSWICK—Mack, Edw. of book)
ORANGE—Boyce, Geo. R.
Werner, C. F.
PASSAIC—Anderson, R. B., 179 Main av.
New Jersey Engineering & Supply Co., 177
Newman, C. R., Howe av. Main av.
PATERSON—Mills, H. W. & Co., 59 Washington
PLAINFIELD—Lanig, Allen B. ton
PRINCETON—Bickford, J. V.
RED BANK—Haight, E. L. Elec. Co.
RIDGEWOOD—Harrison, F. A.
SUMMIT—Norton, E. E.
Shapter, W. P.
TRENTON—Adams Elec. Co., 23 Chancery
Fleron, M. M. & Son, 18 S Broad
Freeman, E. H. Electric Co., 20 Chambers
Katzenbach & Co., 35 E State
Toman Bros., 130 N Warren
WILDWOOD—Kalback Bros.
WOODBINE—Bayard, M. L.
Danerkirsh, L. M.

NEW MEXICO.

ALAMOGARDO—Fisher, Merrill H.
ALBUQUERQUE—Nash Elec. Supply Co.

NEW YORK.

ALBANY—Albany Elec'l Cons. Co., 10 James
Bamer, McDowell & Co., 38 Central av.
Croissaut Hardware Co., 202½ Washington
Finch & Hahn, 92 State av.
Frost & Sheldon, 47 Hudson av.
Havens, Morton, Jr., 79 Chapel
Schunpf, Alfred, 22 Washington av.
AUBURN—Burns, D. J. & Co.
Yorker, H. B. Elec. Co.
BATAVIA—Smith, Herbert E.
BAY SHORE—Mills, C. J.
BINGHAMTON—Binghamton Elec. Cons. Co.
BUFFALO—**GENERAL ELECTRIC CO.,** Ellicott sq. bldg. (See adv. index, end of book)
McCarthy Bros. & Ford, 41 E Eagle
McCutcheon, C. H., 18 Ohio
Peters, Herman L., 280 Pearl
Robertson Elec. Co. (Inc.), 19 Terrace
Robertson Elec. Cons. Co., 21 Terrace
Sackett Elec. Cons. Co., 256-58 Pearl
CANAJOHARIE—Klinkhart, L. H.
St. John Hardware Co.
CATSKILL—Horne, F. B.
CATTARAUGUS—Eberlee, T. J.
COBLESKILL—Van Vorls, Irving
COHOES—Clute Bros.
CORNING—Corning Auto Co.
COURTLAND—Southwick Co.
COXSACKIE—Church, W. K.
DOLGEVILLE—Faville, W. H.
DUNKIRK—Schafere, Henry
Thompson, L. E.
EAST HAMPTON—Jones, A. O.
ELMIRA—Georgia, Chas. A., 120 Lake
Young, Geo. H., 118 N Main
FAIRPORT—Schummer, F. F.
FORT PLAIN—Stewart & Bergen Co.
GENESEO—Stevens & Vallance
GENEVA—Geneva Elec. Construction Co.
GLENS FALLS—Adams, G. E. & Co.
Taylor, Seymour
GLOVERSVILLE—Brown, A. B.
Stewart & Jansen
GROTON—Buck & Gobel
Harris, F. B.
HAMBURG—Schummer, M. & Son
HAMILTON—Smith Hardware Co.
Still, E. C.
HAVERSTRAW—Straut, W. H.
HERKIMER—Harter, M. S.
ITHACA—Davis-Brown Elec. Co. (Inc.)
JAMESTOWN—Chautauqua Electric Co.
Jamestown Electric Co.
KINGSTON—Carr, Harry P.
Kingston Gas & Elec. Co.
LIMA—Allen, M. P.
Bauter, G. S.
LITTLE FALLS—Burney, J. G.
MAMARONECK—Miller, T. W. & E. H.
NEWBURGH—Dotzert, Jas. H.
Hewitt & Warden
Hyer-Sheehan Electric Motor Co.
NEW ROCHELLE—Farrel, John

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Elec'l Supply Co., 56
Krabbe, Christian, 166 B'way Myrtle av.
Thiemer, Edmund, 523 Nostrand av.
Wilhelm, Henry, 70 Frost

Boroughs of Manhattan & Bronx.

NEW YORK—Bender, Geo., 137 Centre
Berry, A. Hall, 97 Warren
Bohn, C. C. Electric Co., 780 6th
BUNNELL, J. H. & CO., Park pl. & Church. (See adv. index, end of book)
Burnet Co., 121 Maiden la
Burry, John, 654 Hudson
Caldwell & Outerhoudt Corporation (Mfrs.' Agts.), 165 Washington
Central El. Supply Co., 29 W 15th
Christensen, E., 194 7th av.
Federal El. Co., 141 B'way
Fletcher-Stanley Co., 32-34 Frankfort
Frasse Co. (The), 134 Liberty
Frorup, Louis E. & Co. (Imported Carbons & El. Appliances), 234 Greenwich
FULLERTON CASE CO. (Electrical Supplies of All Kinds), 100 W 26th
GENERAL ELECTRIC CO., 30 Church. (See adv. index, end of book)
Giannini, Geo. W., 437-39 W 42d
Goldmark, Jas. (Mfrs.' Agt.), 83 Warren
Graham Bros. Co., 664 Hudson
GRISCOM-SPENCER CO., 90 West. (See adv. index, end of book)
Heefer, P., 1557 3d av.
Holcomb, D. S., 60 Centre
Holloway, Bents & Co., 80 Cortlandt
Hudson Electrical Supply Co., 54 Warren
Independent El. Supply Co., 383 Canal
International Elec. & Engineering Co., (Exporters, Importers & Jobbers), 148 Chambers
Irish, W. F. Electric Co., 60 Cortlandt
Jones Elec. Co., 62 Vesey
Keeting Engineering & Supply Co., 119 Pearl

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Latham, E. B. & Co., 4 Murray
Leveridge, Chas, W., 183 Greenwich
Livingston, J., Jr. & Co., 118 E 22d
Lowe Electric Co., 54 Vesey
Manhattan Electrical Supply Co. (Mfrs. & Jobbers), 17 Park pl
May, Sol., 636 6th av.
Metropolitan Elec. Supply Co., 176 Grand
Morrison, Richard H., 1231 3d av.
Ockerhausen, H. A., 103 E 9th
Ostrander, W. R. & Co. (Mfrs. & Jobbers), 22 Dey
Perfection Supply Co., 621 B'way
Pratt, Wm. F. B., 25 W B'way
Read, H. P. Lead W'ks. 645 Lexington av.
Richardson, W. Gerry, 130 E 34th
Roberts, G. I. & Bro., 471 4th av.
Roesener, A. P., 172 E 120th
Rousseau, D. M., 872 Lexington av.
Royal Electric Supply Co., 48 W. 27th
Sheehan, W. M. & Co., 136 Liberty
Sibley & Pitman (Jobbers), 26 Warren
Sprague Electric Co., 527 W 34th
Stanley & Patterson (Electric House Goods, etc.), 28 Murray
Storage Battery Supply Co., 289 E. 27th
Thayer, W. N. Co., 784 6th av.
Universal Elec. Stage Lighting Co., 1393 B'way
Walsh, Owen Mfg. Co., 78-89 Barclay
Werner, Jacob, 201 E 47th
Western Electric Co. (Mfrs. & Wholesalers), 463 West
Western El. Cons. Co., 42 B'way
Whitehead, J. T., 1009 6th av.
Woelarle, Geo. & Son, 2115 3d av.
Zucker, Levett & Loeb Co., 516-24 W 25th

(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hard-
NORWICH—Latham, C. H. ware Co.
OSWEGO—Elec. Cons. & Supply Co.
Shaffer, J. W.
PATCHOGUE—Aldrich, Wm. H.
PEEKSKILL—Anderson, Homer
Hewitt & Warden
PORT JEFFERSON—Randall, A. N.
POTTSDAM—Walling, W. A.
POUGHKEEPSIE—Pease, Edward R.
Van Benschoten, John
RIVERHEAD—Corwin, D. A.
Weed, Frederick A.
ROCHESTER—Bradley, E. C. & Co.
Fish & Horton Co.
Rochester Elec. Motor Co.
Syke, E. S.
Wheeler-Green Elec. Co.
ROCKVILLE CENTER—Connell, Wm. H.
ROUSES POINT—Clinton & Jones
SARANAC LAKE—Adirondack Hardware Co.
SCHENECTADY—Burns, Jas. F. Elec. Works
Finch & Hahn, 504 State
GENERAL ELECTRIC CO. (See adv. index, end of book)
Sauter, G. F. Sanderson Co.
SEACLIFF—Nassau County Elec. Cons. Co.
SKANEATELES—Shotwell, Tucker & McGinn
SODUS—Butts, Danford Co. Co.
SYRACUSE—Brower & Son, 317 E. Genesee
GENERAL ELECTRIC CO., S., A. & K. bldg. (See adv. index end of book)
Gorke, H. J., 216 W Washington
Joy, Edward, 125 Market
Joy Electrical Supply House
Mackenzie, C. C. & Co.
Miller, Electric Co.
Mohawk Electrical Supply Co.
Roberts, H. C. El. Sup. Co., 113 N Warren
Syracuse Supply Co., Syracuse, N. Y.
Wheeler, Green Elec. Co.
Williams, Edward O.
THERESA—Rodenhurst, R. & Son
TROY—Barnes & Payton, 273 River
Bernard, E. G. Co., 1918-34 6th av.
Finch & Hahn
Foy, H. A., 610 2d av.
Hinsdill-Pickering Elec. Co., 504 Fulton
UTICA—Ballda Elec. Co., 65 Columbia
B. & C. Elec'l Cons. Co., Shubert bldg.
Davenport, Elec. Co. (The) 25½ Devereux
Dent, Matthew F. Co., 7 Blandina
Hooks, M. E., 41 Charlotte
Utica Electrical Co., 67 Columbia
Williams, G. G., 44 Whiteboro
WATERFORD—Duffy, John J.
WATERTOWN—Eager Elec. Co.
Green Elec'l Supply Co.
Wilson, A. R.
WATKINS—Durland, L. H. & Son
WESTBURY STATION—Lascelle, Geo. W.
WESTFIELD—Geblis, H. W. & Co.
WORCESTER—Eltapence & Co.
YONKERS—Nugent, A. W., 5 Dock
Westchester Elec'l Equipment Co., 34 N B'way

NORTH CAROLINA.

ASHEVILLE—Piedmont Electric Co.
CHARLOTTE—American Mach. & Mfg. Co.
Washburn, A. H.
GREENSBORO—Central Elec. Co.
McAdoo, T. J.
HIGH POINT—High Point Elec. Supply & Wellborn Supply Co. Cons. Co.
RALEIGH—Carolina Elec'l Co., 110 Fayetteville
REIDSVILLE—Giles & Montgomery Hardware
Whittemore-Mobley Hardware Co. Co.
SALISBURY—Salisbury Supply & Com. Co.
STATESVILLE—Home Electric Co.
WILMINGTON—Southern Electric Co.
WILSON—Mayo Bros.

NORTH DAKOTA.

MINOT—Munz Bros.

OHIO.

AKRON—Loomis, C. H.
ASHTABULA—Hubbard, Geo. C. Elec'l Hard-
Topky Bros. ware Co. (The)
BELLEFONTAINE—Osborn & Churchill
BELLEVUE—Calhoun, D.
BLOOMDALE—Swarts, Ira A.
BLUFFTON—Lugibihl, A. D.
BRYAN—Bishop, C. E. & Co.
CAMBRIDGE—Branthoover & Johnson
CANTON—Canton Engineering & Elec'l Co., 405 N Market
Canton Supply Co., 212 E 8th
Chapman Plumbing & Supply Co., 204 W 8th
Kuehn Elec. Co.
CHARDON—Bostwick, R. I.
CINCINNATI—Beattie Elec'l Co., 324 E 4th
Becker, Albert S., 8 W 6th
Cincinnati Elec. Cons. Co., 324 W 4th
Creaghead Engineering Co., 340 Main
Devere Elec. Co., 234 W 4th
GENERAL ELECTRIC CO., Perin bldg. (See adv. index, end of book)
Johnson-Kennedy Elec. Co. (The), 244-46 E 5th
Lawrence, F. D. Electric Co., 219 W 4th
Post-Glover Electric Co., 316 W 4th
Reuter, W. G., 25 E 6th
Standard Electric Co., 113 W. 3d
Steuger, E. H., 715 Vine
Western Elec. Co., 301-5 Walnut
CLEVELAND—Barr, W. J. Elec. Mining Co., 1555 Columbus rd, N. W.
Cleveland El. Supply Co., 726 Prospect av
Cleveland Switchboard & Electric Mfg. Co., 430 Prospect av, N W
Electric Supply & Battery Co., 7510 Woodland av.
Electrical Repair & Cons. Co., 2060 E 4th
Elliott, S. K. Electric Co.
Enterprise Electrical Co., 5307 Euclid av
Erner Elec. Co., 118-24 E St. Clair av.
Gainer Elec. Cons. Co., 80 Public sq.
GENERAL ELECTRIC CO., Citizens' bldg. (See adv. index, end of book)
Leonard-Bundy Electric Co., 433 Champlain
McIntosh Hardware Corp., 725 Superior
North Electric Co.
Ohio Elec. Works (& Elec'l Novelties)
Ruprecht Electrical Co., 7117 Cedar av, S E
VAN DORN ELECTRIC & MFG. Co., 2694 E 79th. (See adv. index, end of book)
Worthington, Geo. Co. (The), 814 St. Clair av, N. W.
COLUMBUS—Elec. Supply & Cons. Co. (The).
Erner & Hopkins Co., 102 N 3d 48 N 3d
McKeever Elec. Co. (The), 114 N 8d
Ridgway & Co., Col. Savings & Trust bldg.
Ross-Hull Elec. Co. (The), 114-16 N 8d
Sackett Mine Supply Co. (The), 77 E Long
CUYAHOGA FALLS—Loomis, L. W. Hardware Co.
DAYTON—Butterworth & Reiter, 18 W 2d
Globe Electrical Co., 139 W 3d
Guyton, C., Elec. Co., 125 E 4th
Hall, Wm. Elec. Co., 118 W 4th
Tyson, Chas. Q. Co., 35 N Jefferson
Wollaston & Waxler, 26 N Jefferson
DELTA—Briggs Hardware Co. (The)
ELYRIA—Rawson Elec. Co. (The)
FINDLAY—Buckeye Electric Co.
Electrical Cons. & Supply Co. (The)
FOSTORIA—Fink, Geo. M.
Hart & Co.
FREMONT—Fey, Adam & Son
HAMILTON—Hamilton Supply Co.
HURON—Hull, Henry
IRONTON—Ironton Incandes. Lt. & Supply Co.
KENTON—Kenton Automobile & Elec. Co.
LIMA—Reed Bros. Elec. Co.
McCONNELSVILLE—Smith, A. L.
MANCHESTER—McNeil Mercantile Co.
MARIETTA—Sprague, B. S.
MIAMISBURG—Beachler, Geo. W. & Son
SANDUSKY—Lockwood, Wm. A.
SPRINGFIELD—Lessner, Jos. S.
TOLEDO—Bissell, F. Co., 226-230 Huron
Duck, John D., 430 St. Clair
Eddy, Chas. M., 819 Madison
Grah, Emil, 1310 Adams
Groff, G. T. Electric Co., 914 Monroe
Nagel, W. G. Elec. Co.
Toledo Electric Co., 116 St. Clair
TROY—American Fixture & Mfg. Co.
Schaible & Smith
Taylor, T. V. & Co.
WAPAKONETA—Doering, J. H.
WILLIAMSBURG—Fuhr, J. C.
YOUNGSTOWN—Electric Wiring Co.
Fergus Electric Co.
ZANESVILLE—England, J. C.

OKLAHOMA.

CHICKASHA—Chickasha Elec'l Supply Co.
EL RENO—Bonebrake Hardware & Implement
El Reno Gas & Elec. Co. Co.
MARLOW—Bledsoe, J. P. & Sons
MUSKOGEE—Bellis, A. B.
OKLAHOMA CITY—**GENERAL ELECTRIC** Co. (See adv. index, end of book)
Vegiard Plumbing & Elec'l Supply Co. (The)
PAWHUSKA—Pawhuska Plumbing & Elec. Co.

OREGON.

ALBANY—Ralston Elec. Supply Co.
ASHLAND—Provost Bros., Main
ASTORIA—Astoria Hardware Co.
FOREST GROVE—Goff Bros.
PORTLAND—B. R. Elec. Tel. Mfg. Co. (The),
Fobes Supply Co., 94 7th 92 5th
GENERAL ELECTRIC CO., Worcester bldg. (See adv. index, end of book)
Manning, H. W., 43 3d
Morrison Elec. Co., 291 E Morrison
Pacific Elec. Engineering Co., 213 2d.
Portland Elec'l Works, 351 Stark
Skeen, Robert Elec. W'ks, 602 Washington
Standard Elec. Co., 415 Alder
Walsh, M. J. Co., 311 Stark
Western Elec. Works, 61 6th

PENNSYLVANIA.

ALLENTOWN—Allentown Elec. Cons. & Supply Co.
Jacoby, J. H.
Lehigh Electric Co.
Smith Electric Co.
Taylor, W. H. & Co.
ALTOONA—Altoona Elec'l Engineering & Supply Co.
Hart Electric Co.
Michaels & Arnold
BANGOR—Stoffiet, T. J.
BEAVER FALLS—Skiff, Chas. W.
BETHLEHEM—Hill, G. Elliott
Switchboard Equipment Co.
BLAIRSVILLE—Ray, S. & L. S. W.
BRADDOCK—Randolph Electric Co.
CAMBRIDGE SPRINGS—Elec'l Equipment Co.
CARLISLE—Hall, Wm. N., Jr.
CATASAUQUA—Deerner & Litzenberger
CHAMBERSBURG—Schaff, J. G. Elec. Co.
CHESTER—Taylor, John, 504 Market
CONNELLSVILLE—Interstate Electric Co.
CORAOPOLIS—Ferree, R. W.
EAGLES MERE—Kahrer, R. D.
EASTON—Electric Appliance Mfg. Co.
ERIE—Electric Equipment Co.
Erie Company
Erie Mfg. & Supply Co.
Star Elec'l & Garage Co.
FRANKLIN—Electrical Supply & Cons. Co.
GIRARD—Girard Hardware Co. (The)
GLEN ROCK—Glen Rock Novelty Works
HARRISBURG—Dauphin Elec'l Supplies Co.
HAZLETON—Bright, J. C. & Co.
Woodring, Jere & Co.
HUNTINGTON—Free, E. S.
INDIANA—Indiana Electric Co.
IRWIN—Dunseath, W. G.
KITTANNING—McCullough, Jas., Jr.
LANCASTER—Lancaster Electric Supply & Construction Co.
LEBANON—Lebanon, Electric Co.
LEHIGHTON—Bauchspiess, R. H., Jr.
McKEESPORT—Dunshee Electric Co.
MAHANOY CITY—Hersker, J.
NANTICOKE—Harris, E. R., Jr.
NEW BETHLEHEM—McEwen, H. C.
NEW KENSINGTON—Armitage Bros.
Kluinsmith, H. L. & Sons
NORRISTOWN—Cressman & Quillman
Siegler, Smith & Yocum
OIL CITY—Corrin, W. H.

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OLYPHANT—Lally, Jas. H.
PHILADELPHIA—Brown, Frank P., 45 N 6th
Central Electric Co., 13 N 13th
Cutter Electrical & Mfg. Co., 19th & Hamilton
Diehl Mfg. Co., 1217 Filbert
Electric Service Supplies Co., 1020 Filbert
Elliott-Lewis Elec'l Co., 138 N 10th
GENERAL ELECTRIC CO., Witherspoon bldg. (See adv. index, end of book)
Gentel, Albert, 150 Columbia av
GRISCOM-SPENCER CO., ft. Washington av. (See adv. index, end of book)
Jones-Beach Co., 204-06 N 4th
Marsh, Loan J., 1941 Market
Naumann, Hardware & Supply Co.
Oestmann, W. G., 5423 Germantown av.
Paullin & Mitchell, 1826 Ridge av.
Phila. Electrical & Mfg. Co., 2011 Market
Pringle Elec. Mfg. Co. (The), 1906 N 6th
Richter, Eugene L. Elec. Co., 1914 Columbia av.
Roberts, H. C., Elec. Supply Co., 905 Arch
Rumsey Electrical Mfrs. Co., 1211 Filbert
Seyforts, L. F. Sons (Inc.), 437-41 N 3d
Shaw, J. Elliott Co., 632 Arch
Stewart, Frank H. Electrical Co., 35 N 7th
Walker Electrical Co., 2338 Noble
Walker & Kepler, 531 Chestnut
Watts & Stern, 1303 Buttonwood
Western Elec. Co., S. W. c. 11th & York
PITTSBURG—Cooke-Wilson Elec. Supply Co.,
Crescent Elec. & Mfg. Co., 24th 200 3d
Doubleday-Hill Electric Co., 919 Liberty av
Farrell Bros., 1143 Penn av.
Gellatly & Co., 223 4th
GENERAL ELECTRIC CO., Park bldg. (See adv. index, end of book)
Goettmann, Oscar J., 817 Ohio, N side
Incandescent Supply Co., 436 6th
Iron City Engineering Co., Frick bldg. Annex
McCullough, W. T. Elec. Co., 2315 Penn av
Pittsburg Elec'l & Machine W'ks, 2 Parker
Richey & Sykes, 5906 Penn av. pl.
Robbins Electric Co., 830 Liberty av.
Saylor Electric Co., 127 4th av
Union Electric Co., 31 Terminal way
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg. (See adv. index, end of book)
POTTSTOWN—Roeller, W. H.
PUNXSUTAWNEY—Pifer & Rowan
Punxsutawney Cycle Co.
READING—Arrowsmith & Co.
Metropolitan Electric Co.
Reading Elec. Co. (The), 9 N 15th
SAYRE—Robert, Geo. L. Co.
SCOTTSDALE—Dick, J. I.
SCRANTON—Fries, W. H.
Scott, C. B.
Scranton Elec. Cons. Co.
Smith, F. R.
SEWICKLEY—Handy, S. B.
SHICKSHINNY—Woodworth, J.
SOUDERTON—Montgomery Electric Co.
SOUTH BETHLEHEM—Drumbor, Chas. E.
Jacoby, J. H.
SUNBURY—Wetzel & Gass
TAMAQUA—Hadisty & Co.
Seligman & Co.
UNIONTOWN—Helwey, W. H.
Weller, C. J.
VANDERGRIFT—Hamilton, S. W.
WATSONTOWN—Follmer & Wilson
WAYNESBURG—Denny, E. L. & Co.
Parker, C. R. & Co.
WILKES-BARRE—Penna. Armature Works
Roth, Ernest F.
Shepherd & Rust
YORK—Brittbart, Wm. E., 409 Mkt
Graybill, Jno. E. & Co.
Stuck, O. L., 230 N George
York Elec. & Machine Co., 30-34 N Penn
York Engineering Co., c. N George & Hamilton av.

PHILIPPINE ISLANDS.

MANILA—Bryan, Landon & Co., 25 Plaza Goili

RHODE ISLAND.

NEWPORT—Barker Bros. & Co.
Conroy, Philip F.
Dickson, John D.
Scannevin & Potter
PAWTUCKET—Duffy Bros. Hardware Co.
New England Machine & Elec. Co.
Toole, W. K. Hardware Co.
PROVIDENCE—Bush, Chas. S. Co., 17 Richmond
Cohen, J. B. Hardw. & Supply Co.
Herbert, Geo. W. & Co.
Law & Hawxhurst
Rhode Island Telephone & Elec. Co.
Thompson Hardware & Chandelier Co.
Union Hardware & Electric Supply Co.
WARREN—Sparks, C. H.
WESTERLY—Hiscox, Robert M. & Co.
Whitall Electric Co.
WOONSOCKET—Darling, Chas. H.
Darling, E. R.

SOUTH CAROLINA.

BRANCHVILLE—Branchville Elec. & Telephone Co.
CHARLESTON—Elec. Supply Co., 163 Meeting
Hazelhurst Elec. Co., 194 King
McMillan, John, 182 King
GREENVILLE—Carolina Supply Co.
ORANGEBURG—Dantzler, M. O.
McNamara, John
SPARTANBURG—Shares Electric Co.

SOUTH DAKOTA.

BROOKINGS—Getty, Robt. J.
SIOUX FALLS—Wheeler, Geo. E.

TENNESSEE.

CHATTANOOGA—Sweet, Frank P., 921 Market
Terrell-Hedges Co., 108 E 8th
JOHNSON CITY—Johnson City Electric Co.
Summers, Parrott Hardware Co.
KNOXVILLE—Acme Elec. Co., 702 S Gay
MEMPHIS—Bailey, J. A. & Co., 70 S 2d
Electric Novelty Co., 125 Monroe
Electric Supply Co., 298 2d
Memphis Elec. Co., 285 Madison
NASHVILLE—Braid Electric Co.
Chester, John W. Co.
Consolidated Electric Co.
GENERAL ELECTRIC CO., Stahlman bldg. (See adv. index, end of book)
Southern Electric Co.
Standard Electric Co.

TEXAS.

BEAUMONT—Christopher Elec. Co.
Keith Electric Co.
DALLAS—Central Telephone & Elec Co.
Electric Appliance Co.
GENERAL ELECTRIC CO., Scollard bldg. (See adv. index, end of book)
Hobson El. Co.
Peyton, Hunter J.
Southwestern Elec'l Engineering & Cons Co.
DENISON—Waltz, Chris.
EL PASO—Pass City Elec. Co.
Texas Elec'l Supply Co.
FORT WORTH—Anderson, A. J.
Bound, Geo. Electric Co.
Miller El. Co.
Wesco Supply Co.
GALVESTON—Levy, Max
Lowe Electric Co.
Rowley, Wm.
Tschumy, L. P. & Co.
GREENVILLE—Armistead & Eude
HOUSTON—Barden, Elec. & Machinery Co.
Brown, Woods Elec. Co.
Hobson, Electric Co.
OZONA—Ozona Hardware Co.
SAN ANTONIO—Collins-Gunther Co.
Schuwirth, Wm. G.
Shafer, A. H.
Talcott Electric Co.
Wright, Martin
TROUP'E—Troupe Hardware & Imp. Co.
WACO—Central Electric Co.
Vesey Electric Co.
Waco Electrical Supply Co.

UTAH.

BEAVER—Harris Furniture Co.
Mansfield, Murdock & Co.
BRIGHAM—Mortensen, N. C. & Sons
OGDEN—Electric Supply & Fixture Co.
RICHFIELD—Richfield Electric Supply Co.
SALT LAKE CITY—Allen, T. G. Elec. Co., 128 S State
Capital El. Co., 151 S Main
GENERAL ELECTRIC CO., Dooly bldg. (See adv. index, end of book)
Holding, E. G., 53 W 1st, S
Inter-Mountain Elec. Co., 13 S Main
Utah Elec. Supply Co., 15 W 1st, S
Western Electric Co.
Wiser Electric Co.

VERMONT.

BURLINGTON—Lanon, J. E.
Sherwin, Geo. D.
MONTPELIER—Blanchard, Fred
NEWPORT—True & Blanchard
RANDOLPH—McIntyre, H. W.

VIRGINIA.

CULPEPER—Gilkeson & Co.
DANVILLE—Ellwanger, Aug.
HARRISONBURG—Houck, Jos. T.
LYNCHBURG—Burns, T. J. & Co.
MARTINSVILLE—Martinsville Elec'l Supply Co.
NEW MARKET—Moore, C. H.
NORFOLK—Atlantic Electric Co.
Belote, J. D.
Buckard, Wm. A. & Co.
Standard Electric Supply Co.
PETERSBURG—Virginia El. Tool & Mfg. Co.
RICHMOND—Jenks, Wm. H.
McGraw, Jas.
Tower-Binford Electric & Mfg. Co. (Mfrs. & Jobbers)
ROANOKE—Engleby Elec. Co.
Wolfenden, W. E.
SUFFOLK—Atlantic Coast Telephone Co.

WASHINGTON.

ANACORTES—Shannon, G. W. & Co.
BELLINGHAM—Bellingham Elec'l Supply Co.
CENTRALIA—Central Supply House
PORT TOWNSEND—Pacific Electric Co.
SEATTLE—American Elec. Co. (Inc.), 118 3d av, S
Buxbaum & Cooley 64 W Columbia
Cascade Gas & Elec. Fixture Co., 1517 2d av
Fobes Supply Co., 1406 1st av
GENERAL ELECTRIC CO., Colman bldg. (See adv. index, end of book)
Kilbourne & Clark (Inc.), 307 1st av, S
Seattle Elec. Co. (The), 907 1st av.
Seattle Elec. & Equipment Co., 507 Pike
Western Elec. Co., 1518 1st av. S
SPOKANE—Doerr, Mitchell & Co.
Empire Electric Co.
Inland Electric Co.
Nixon & Kimmel
Oliver, Warren
Washington Elec. Supply Co. (The)
TACOMA—Bowie-Love Co.
WALLA WALLA—El. Supply & Fixture Co.

WEST VIRGINIA.

CHARLESTON—Charleston Elec'l Supply Co.
FAIRMOUNT—Mayers, D. L.
HUNTINGTON—Miller Supply Co.
KEYSER—Siever Hardware Co.
NORTH FORK—North Fork Electric Co.
PARKERSBURG—Citizens' Electric Co.
Parkersburg Machine Co.
WHEELING—American Electric Co.
Gee Electrical Construction Co.
Sands, H. S., Electric & Mfg. Co.
WILLIAMSON—Elec. Supply & Cons. Co.

WISCONSIN.

APPLETON—Kurz & Root
Langstadt Meyer Cons. & Supply Co.
ASHLAND—Perrin, C. F.
BEAVERDAM—Rossmann, Fred.
BERLIN—Peck, C. A. Hardware Co.
COLBY—Krepsky & Son
Zillman Bros.
ELKHORN—Freligh, Chas.
Hotchkiss, C. C.
EVANSVILLE—Meyers Electrical House
FENNIMORE—Mauer Bros.
Roach Bros.
FLORENCE—Peterson, Ed. W.
FOND DU LAC—Briggs Electric Co.
GREEN BAY—Joannes, F. E.
Langstadt-Meyer Cons. & Supply Co.
INDEPENDENCE—Lever & Forgerson
MADISON—Electrical Supply Co.
Harloff, P. F.
Independent Telephone Mfg. Co.
MENOMONIE—Merrill, Wright, H. W. Lumber Co.
Submerged Elec. Motor Co.
MILWAUKEE—Andrae, Julius & Sons Co., 225 W Water
Boettger & Wittig, 393 3d
Dewey, Robt., 208 W Water
Eckhardt & Flossman, 397 3d
Meyer, L. A. & Co., 450 E Water
Milwaukee Telephone & Mfg. Co., 390-92 Hanover
Pierce, Edwin F., 108 Mason
Rohn, Geo. F., 446 E Water
Schmidt, A. R., 137 Oneida
Smith, Albert, 169 W Water
NEILSVILLE—Tourigny, Denis
OSHKOSH—Central Construction Co.
Hinman, J. A.
RACINE—Electrical Construction Co.
Roberts, D. Elmer
SHEBOYGAN—Acker & Schiffenedor
Warden, Farrall & Co.
STURGEON BAY—Hay, J. S. Hardware Co.
SUPERIOR—Eckholm Bros.
WAUKESHA—Christoph, J. B.

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WAUSAU—Evans, H. J.
WAUWATOSA—Hemsing, H. P. Co.
Smith, A. I. Co.

WYOMING.

CHEYENNE—Wright & Lawson
LARAMIE—Holliday, W. H. Co. (The)
Jones, J. Thorburg

Electro Magnets (Special Winding of)

McDermid Mfg. Co., 118 W Jackson boul, Chicago, Ill.

Electro Plating

American Car & Ship Hardware Mfg. Co., New Castle, Pa.
American Plating Co. (All Kinds), 181 W Maple, Columbus, O.
Beverly Engine & Machine Co., Beverly, Mass.
Buckeye Electro Plating Co., Mansfield, O.
Buckeye Mfg. Co. (All Kinds), Canton, O.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
Cooke, Jos. S., 20 Jacob, New York
Derby & Morse, Lowell, Mass.
Detroit Shipbuilding Co. (Brass Dept), Detroit, Mich.
Donovan Wire & Iron Co., Toledo, O.
Edwardsville Brass Co., Edwardsville, Ill.
Enterprise Brass Works (Frank Holt, Prop), Muskegon, Mich.
Filley, Harvey Plating Works, 1011 Spring Garden, Phila., Pa.
Gaumer, Jno. L. Co., 22d & Wood, Phila., Pa.
Gray Iron Foundry Co., Reading, Pa.
Harware & Woodenware Mfg. Co., 693 B'way, New York
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
Johnson Service Co. (Nickel, Copper, Brass, Bronze, Silver & Gold), Milwaukee, Wis.
Keystone Plating Co., 2035 N Alder, Phila., Pa.
Ludlow-Saylor Wire Co., Newstead av & Wabash R. R., St. Louis, Mo.
McKenna Bros. Brass Co. (Ltd.) (Nickel Silver, Oxidized, Copper, etc.), Pittsburg, Pa
McMurray, Robt. T. & Bro., 365 Harmon, Brooklyn, N. Y.
Megquier & Jones Co., Portland, Me.
Meyer, Louis J., 104 S 8th, Philadelphia, Pa.
MEYERS, FRED J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Minneapolis Brass & Iron Mfg. Co., 116 1st av. N. Minneapolis, Minn.
Monumental Plating Works, 106 Hanover, Baltimore, Md.
Murdock-Shaw Co. (Bronze, etc.), Boston, Mass.
Muskegon Electro Plating Co., Muskegon, Mich.
Ohio Brass Co., Mansfield, O.
Ohio Plating Works, Columbus, O.
Purcell, N. F., & Co. (also Buffing & Polishing), 232 S Clinton, Chicago, Ill.
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
Sercomb Co., 195 State, Chicago, Ill., & Cincinnati, O
Sharpless & Watts, 15th & Walnut, Phila., Pa
Southern Electro Plating Works, 80 S Pryor Atlanta, Ga
Standard Plating Works, 446 N 12th, Phila., Pa
Stecker Electric & Machine Co., 34 Bates, Detroit, Mich.
Superior Mfg. Co., Pittsburg, Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Tucke & Parker, Lowell, Mass.
VOELKNER & HARRY MANUFACTURing Co., 125 Woodbridge W., Detroit Mich. (See adv. index, end of book)
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N.Y.
W. & S. Mfg. Co., Worcester, Mass
White Ornamental Iron Works, Oakland, Cal.
White Wire Works Co., Rochester, N. Y.
WISCONSIN IRON & WIRE WORKS (Bronze), 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Electro Plating (Bronze)

(See also Electro Plating)

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York. Works, Providence, R. I. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
MEYERS, FRED J. MFG. Co., Hamilton, O. (See adv. index, end of book)
Murdock Shaw Co., 125 Federal, Boston, Mass
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
WINSLOW BROS. CO., Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)

Electro-Pneumatic System of Control

WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Electrodes

BUNNELL, J. H., & CO. (Galvanic, Faradic, etc.), Park pl & Church, New York. (See adv. index, end of book)
International Acheson Graphite Co., Niagara Falls, N. Y.
National Carbon Co., W Madison & Highland avs, Lakewood, Cleveland, O., & Washington, Pa.
Scheidel-Western X Ray Coil Co. (Glass & Metal), 199 Madison, Chicago, Ill.

Electrogrip (Drop Light)

Yost Electric Mfg. Co. (For Suspended Lights & Cords), Toledo, O.

Electroliers

(See Gas & Electric Fixtures)

Elevating & Conveying Machinery

(See Machinery, Elevating & Conveying; also Conveyors of Various Kinds)

Elevator Air Cushions

Ellithorpe Safety Air Cushion Co., 31 B'way, New York

Elevator Annunciators

(See also Annunciators)

Electric Mfg. & Equipment Co., Atlanta, Ga.
ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill.; 114 Liberty, New York & 593 Market, San Francisco, Cal. (See adv. index & branch offices, end of book)
Garl Electric Co., Akron, O.
Herzog. Teleseme Co., 51 W. 24th, New York.

ELECTRIC SIGNALS
FOR
HOTEL PASSENGER ELEVATORS
ELEVATOR SUPPLY & REPAIR CO.
114 LIBERTY ST. 76 W. MONROE ST.
NEW YORK CHICAGO
593 MARKET ST., SAN FRANCISCO, CAL.

Elevator Cables

(See Wire Rope & Cables)

Elevator Cabs or Cars

American Fence & Forge Co., Dayton, O.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE Works, 4th av and Porter, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
BROWN BROS. MFG. CO., 22d & Campbell, Chicago, Ill.
Buffalo Wire Works Co. (Cabs), Buffalo, N. Y.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Columbus Elevator & Machine Co., Curtis and Jefferson avs, Columbus, O.
COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Donovan Wire & Iron Co., Toledo, O.
Dow Wire & Iron Works, Louisville, Ky.
Dufur & Co., 311 N. Howard, Baltimore, Md.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
HALSTED, JOSEPH CO., 388 W. Randolph, Chicago, Ill. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., Sales Office: 5 E 42d, New York; Works: Mount Vernon, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
LANDON, E. R. IRON & WIRE WORKS, 18 N May, Chicago, Ill. (See adv. index, end of book)
Lasar-Letzig Mfg. Co., 1313 N 16th, St. Louis, Mo.
Lobel-Andrews Co., 531 W 55th, New York.
Ludlow-Saylor Wire Co., Newstead av & Wabash R. R., St. Louis, Mo.
Merle Ornamental Iron & Bronze Co., San Francisco, Cal.
MEYERS, FRED J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Morss & Whyte Co., 75 Cornhill, Boston, Mass.
National Mfg. Co., Worcester Mass.
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
VAN DORN IRON WORKS CO., 2685 E 79th, Cleveland, O. (See adv. index, end of book)
Vilsack, Martin Co. (Ltd.), 3222 Penn av, Pittsburg, Pa.
West Coast Wire & Iron Works, San Francisco
White Ornamental Iron Works, Oakland, Cal.
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO. (All Metals & Finishers), Worcester, Mass. (See adv. index & branch offices, end of book)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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Elevator Car Signals
(See Elevator Signals)

*Elevator Casings (Fireproof)
AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index & branch offices, end of book)

Elevator Controllers
(See Controllers, Electric Elevators; also Elevator Safety Controllers)

Elevator Door Locking Devices
(See Elevator Safety Locks)

Elevator Door Openers & Closers
(See also Elevator Safety Devices)
Automatic Elevator Door Co., 182 Ogden av, Milwaukee, Wis.
Burdett-Rowntree Mfg. Co. (Automatic), 85 W Jackson boul, Chicago, Ill., & 147 W 26th, New York
ELEVATOR SUPPLY & REPAIR CO., 34 Monroe, Chicago, Ill., & 136 Liberty, New York. (See adv. index, end of book)
Union Elevator & Machine Co. ("Union" Automatic), 28 Market, Chicago, Ill.

Elevator Doors (Automatic)
(See also Hatch Doors)
Bardsley Bros., 147 Baxter, New York
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
BOLLES, J. E. IRON & WIRE WKS., 4th av & Porter, Detroit, Mich. (See adv. index, end of book)
Central Iron Works, Equitable bldg, Des Moines, Iowa
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
HANKE IRON & WIRE WORKS ("The Meeker"), 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
LANDON, E. R. IRON & WIRE WORKS ("The Meeker"), 18 N May, Chicago, Ill. (See adv. index, end of book)
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Queen City Wire Works, 198 Seneca, Buffalo, N. Y.
REEDY, H. J. CO (Inc.), (Standard Styles), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W 27th, New York. Works, Richmond, Ind.
Rochester Automatic Elevator Door Co. (Fire Proof Safety Fire Doors), 291 Mill, Rochester, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
STANDARD CO. ("Otis" Patent Two-Thirds Opening), Railway Exch bldg, Chicago, Ill. (See adv. index, end of book)
U. S. Elevator Co., 216 Dock, Phila., Pa.
Variety Mfg. Co. ("Cross Improved Meaker"), Sacramento & Carroll avs, Chicago, Ill.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1133 B'way, New York. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
Webb, J. R. ("Excelsior"), 545 W 22d, New York

Elevator Doors (Automatic Fire)
(See also Doors & Shutters, Fireproof)
Automatic Door & Gate Co., Missouri Trust bldg, 123 Liberty, New York
Banner Iron Works, Missouri Trust bldg, St. Louis, Mo.
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
Blanchard, J. F. Co. ("Richardson's"), Fuller bldg., New York
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Brodie, Wm. H. Co., 45 Vesey, New York.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Columbus Elevator & Machine Co. (Kumble Link), Curtis & Jefferson avs, Columbus, O.
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
Dentler Bagger Co., Vicksburg, Mich.
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
LANDON, E. R. IRON & WIRE W'KS ("The Meeker"), Fillmore & Rockwell, Chicago, Ill. (See adv. index, end of book)
National Fireproof Sash & Door Co., 270 Moore, Brooklyn, N. Y.
New York Fire Proof Works, 721 E 133d, New York
RAPP, JNO. W. CO., General Office & Works, College Point, New York City. Sales Office, 4 Madison av, New York. (See adv. index, end of book)
REEDY, H. J. CO. (Inc.), 15 W. 2d, Cincinnati, O. (See adv. index, end of book)
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W 27th, New York. Works, Richmond, Ind.
Rochester Automatic Elevator Door Co. (Fireproof Safety Fire Doors), Rochester, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Stowell Mfg. & Foundry Co. ("Wilbern" & "Underwriters"), 8 Milwaukee, Wis.
THORP FIRE PROOF DOOR CO. "Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)
Toops, E. D. (Gravity), Indianapolis, Ind.
Variety Mfg. Co. ("Cross" Folding), Sacramento & Carroll avs, Chicago, Ill.
Victor Mfg. Co., Newburyport, Mass.
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevator Doors (Bronze)
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Burkhardt, John (Bronze), 606 W 55th, New York
CABARET, PAUL E. & CO., 342 W. 14th, New York. (See adv. index, end of book)
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
CINCINNATI MFG. CO., Cincinnati, Ohio. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N. 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., Sales Offices, 5 E 42d, New York.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)
MEYERS, FRED J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SNEAD & CO. IRON WORKS, ft. Pine, Jersey City, N. J. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, Ohio (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison av, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Elevator Doors (Metal)
(See Elevator Cabs or Cars)

Elevator Doors (Metal Covered)
Blanchard, J. F. Co. ("Richardson's") Fuller bldg., New York
Harris, S. H. Co. ("Meaker"), 29 Pearce, Chicago, Ill.
KINNEAR & GAGER MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

HENDRICKS' COMMERCIAL REGISTER IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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RAPP, JNO. W. CO. (Kalameined Iron, Copper & Bronze), General Office & Wks., College Point, New York City, & 4 Madison av, New York. (See adv. index, end of book)
Richmond Safety Gate Co. (Kyrle S. Evans, Agt.), 31 W 27th, New York. Works, Richmond, Ind.
Ross, R. J. Mfg. Co. ("Meeker"). 692 W Lake, Chicago, Ill.
Underwriters Hatch Door Co., Chicago, Ill.

Elevator Enclosures

Acme Fancy Wire Works, Detroit, Mich.
Ajax Iron & Wire Co., 75 York, Brooklyn, N. Y.
Albree, Chester B. Iron Works, Allegheny, Pa.
American Fence & Forge Co., Dayton, O.
Amos, Chas. & Co., Detroit, Mich.
Anderson, Henry C., 80 Pearl, New York
Architectural Iron & Wire Works, Wheeling, W. Va.
Art Brass & Wire Works, Forest av & Ellery, Detroit, Mich.
Atlanta Wire & Iron Works Co., 64 N Broad, Atlanta, Ga.
Balderston, H. & Son, 319 Pearl, Baltimore, Md.
Barbee Wire & Iron Works,, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T., Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bataille, Achille & Co., 587 Hudson, New York
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE WKS., 4th av & Porter, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co. (Brass & Bronze), Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Buffalo Wire Works Co., Buffalo, N. Y.
Burkhardt, John (Bronze), 622 W 55th, New York
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Chattanooga Iron & Wire Works, Chattanooga, Tenn.
Chesapeake Iron Works, Bush & B & O R R, Baltimore, Md.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
Creswell, Sam'l J. Iron Works, 23d & Cherry, Phila., Pa.
Crosman, Geo. J. Co., 607 E 18th, New York
Crown Iron Works, Minneapolis, Minn.
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Deterding, Chris., San Francisco, Cal.
Donovan Wire & Iron Co., Toledo, O.
Dow Wire & Iron Works, Louisville, Ky.
Durfar & Co., 311 N Howard, Baltimore, Md.
Eagle Iron Works (Inc.), 850 De Kalb av, Brooklyn, N. Y.
Edelmann, L., 1805 1st av, New York
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
FOREST CITY STEEL & IRON CO., 110th nr Detroit av., Cleveland O. (See adv. index, end of book)
Gaumer, Jno. L. Co., 22d & Wood, Phila., Pa.
Glen Mfg. Co., Ellwood City, Pa.
Grossman Bros. & Rosenbaum, 540 W 58th, New York
HALSTED, JOSEPH CO., 388 W Randolph, Chicago, Ill. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Hecla Iron Works (Brass & Bronze), 108 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., Sales Offices: 5 E 42d, New York; Works: Mount Vernon, N. Y.
Herzog Iron Works, St. Paul, Minn.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Inglis, Wm. Wire & Iron Works, 59 E Woodbridge, Detroit, Mich.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
Kamman, Walter, Spring Grove av & Monmouth, Cincinnati, O.
Kansas City Wire & Iron Works, Kansas City, Mo.
Kleeman, Trotter & Co., 1827 Main, Kansas City, Mo.
LANDON, E. R. IRON & WIRE WORKS, 18 N May, Chicago, Ill. (See adv. index, end of book)
Lobel-Andews Co., 531 W 55th, New York
Ludlow-Saylor Wire Co., Newstead av & Wabash R. R., St. Louis, Mo.
McKinney, Jas. & Son, 927 B'way, Albany, N. Y.
Merle Ornamental Iron & Bronze Co., San Francisco, Cal.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
MEYERS, FRED J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Midland Metal Co. (Inc.), 21st & Jefferson, Phila., Pa.
Morss & Whyte Co., 75 Cornhill, Boston, Mass.
Mugler's Iron Works, 1133 E 136th, New York
Murdock-Shaw Co., 125 Federal, Boston, Mass
National Mfg. Co., Worcester, Mass.
Nimmo Fence & Wire Works Co., 305 E 4th, Cincinnati, O.
Ohio Elevator & Machine Co., Columbus, O.
PHOENIX STEEL CO. (Inc.), Putnam & P. R. R., Pittsburg, Pa. (See adv. index, end of book)
Pioneer Iron & Wire Works Co., 1433 Market, Denver, Colo.
Pirkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
Portland Wire & Iron Works, Portland, Ore.
Prince Iron Works, 553 W 33d, New York.
REMPPIS, WM. F. CO., Reading, Pa., & 1506 Sansom, Phila., Pa. (See adv. index, end of book)
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City
RIESECK, P., Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)
St. Louis Wire & Iron Co., 518 Chouteau av, St. Louis, Mo.
SCHREIBER, L., & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SNEAD & CO. IRON WORKS, ft of Pine, Jersey City, N. J. (See adv. index, end of book)
Snow Wire Works Co., 76 Exchange, Rochester, N. Y.
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
Southern Wire & Iron Works, Atlanta, Ga.
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Sterling Bronze Co., 107 W. 25th, New York
Syracuse Wire Works, Syracuse, N. Y.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
Titchener, E. H. & Co., Binghamton, N. Y.
Tilk, Frank Ornamental Iron Works Co., Kansas City, Mo.
Toledo Wire & Iron Wks., Toledo, O.
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
UNION FOUNDRY WORKS, First National Bank bldg, Chicago, Ill. (See adv. index, end of book)
Union Steel Screen Co. (Ltd.) Albion, Mich.
VAN DORN IRON WORKS CO., 2685 E 79th, Cleveland, O. (See adv. index, end of book)
Vilsack, Martin Co., 3222 Penn av, Pittsburg, Pa.
Voss, Fredk., 621 Austin av, Chicago, Ill.
Wells Architectural Iron Co., 219–221 E 144th, New York
White Bros. Mfg. Co., Denver, Colo.
White Ornamental Iron Works, Oakland, Cal.
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO. (All Metals & Finishes), Worcester, Mass. (See adv. index & branch offices, end of book)

Elevator Gates

(See Gates, Folding, Etc.)

Elevator Gates (Automatic)

Altiser & Prince, 51 Michigan, Chicago, Ill.
Automatic Door & Gate Co. ("Peelle" Safety), 123 Liberty, New York
Bardsley Bros., 149 Baxter, New York
Bataille, Achille & Co., 587 Hudson, New York
Beckwith Elevator Co., 123 Pearl, Boston, Mass.

CHENEY BIGELOW WIRE WORKS

MANUFACTURERS OF

Elevator Enclosures and Cabs

FOURDRINIER WIRES AND PAPER MILL MACHINERY

OFFICE RAILINGS, WINDOW GUARDS, ETC.

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Burdett-Rowntree Mfg. Co., 85 W Jackson boul, Chicago, Ill.
California Artistic Metal & Wire Co., 539 Mission, San Francisco, Cal.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Columbus Elevator & Machine Co., Curtis & Jefferson avs., Columbus, O.
Craig, W. H. & Co. (and Half Automatic), 415 6th av, S. Minneapolis, Minn.
Houser Elevator Co., Syracuse N. Y.
KIECKHEFER, A. ELEVATOR CO., Milwaukee, Wis. (See adv. index, end of book)
Kimball Bros. Co., Council Bluffs, Ia.
Knickerbocker Elevator Gate Co., 79 Cortlandt, New York
Lagerquist, Gust. (& Half Automatic), 516 N 3d, Minneapolis, Minn.
Marshall Bros., S 21st & Mary, Pittsburg, Pa.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
PITT, WM. R. COMPOSITE IRON Works ("Pitt-Bostwick"), 111 5th av, New York. (See adv. index, end of book)
Quincy Elevator Gate Co., Quincy, Ill.
REEDY, H. J. CO. (Inc.) (Full Automatic), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
Richmond Safety Gate Co., Richmond, Ind.
Salem Elevator Works, Salem, Mass.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index, end of book)
Security Elevator Safety Co., 11 B'way, New York
SEDGWICK MACHINE WORKS, Poughkeepsie, N. Y., 128 Liberty, New York (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Stevens, Wm. (Est. of) (Safety Hatch Gates), 1221 Frankford av, Phila., Pa.
Stewart Iron Wks. ("Bostwick"), Covington, Ky.
STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Toops, E. D., Indianapolis, Ind.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
Webb, James R. ("Excelsior" & "Eureka" Self-Closing & Self-Locking), 545 W 23d, New York
Webster & Perks Tool Co. ("The Ideal"), Springfield, O.

Elevator Gates (Folding)

(See Gates, Folding)

*Elevator Gates & Guards (Folding)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
PITT, WM. R. COMPOSITE IRON Works, 136 W 24th, New York. (See adv. index, end of book)

*Elevator Gates & Guards (Pitt, "Bostwick," Novelty & Composite Patents)

PITT, WM. R. COMPOSITE IRON Works, 136 W 24th, New York (See adv. adv. index, end of book)

*Elevator Governors

KIECKHEFER, A. ELEVATOR CO., 1026-1104 St. Paul av, Milwaukee, Wis. (See adv. index, end of book)
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)

*Elevator Guides (Cold Compressed Steel)

STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)

*Elevator Mouldings (Ornamental Steel)

BRAUN, J. G., 322 S Paulina, Chicago, Ill., & 554 W 36th, New York. (See adv. index, end of book)

Elevator Registers

Desper, H. A. Co. ("Reliance"), Worcester, Mass.

*Elevator Repairers

(See also firms marked thus † under the head of Elevators, Freight & Passenger)

ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill.; 114 Liberty, New York, & 593 Market, San Francisco, Cal. (See adv. index & branch offices, end of book)

REPAIR PARTS
FOR
PASSENGER & FREIGHT ELEVATORS
ELEVATOR SUPPLY & REPAIR CO.
114 LIBERTY ST. 76 W. MONROE ST.
NEW YORK CHICAGO
593 MARKET ST., SAN FRANCISCO, CAL.

SEDGWICK MACHINE WORKS (Also Dumb Waiter Repairs), Poughkeepsie, N. Y., & 128 Liberty, New York (See adv. index, end of book)

Elevator Rope

(See Wire Rope & Cables Manufacturers; also Manilla & Sisal Rope Manufacturers)

Elevator Safety Devices

(See also the Specific Article Required)

Altiser & Prince, 51 Michigan, Chicago, Ill.
Angell Elevator Lock Co. (Safety Lock & Controllers), 370 Atlantic av, Boston, Mass.
Burdett-Rowntree Mfg. Co., 85 W Jackson boul, Chicago, Ill., & 117 W 26th st, New York
Columbus Elevator & Machine Co., Curtis & Jefferson aves, Columbus, O.
Elevator Operating Controller Co. (Car Cannot Be Moved While Gate Is Open), 2 Rector, New York
Elevator Safety & Controller Co., Girard bldg, Phila., Pa.
Keystone Elevator Inspection & Repair Co., 923 Locust, Phila., Pa.
MARINE ENGINE & MACHINE CO. ("Pratt"), 230 W 13th, New York: Works: Harrison, N. J. (See adv. index & branch offices, end of book)
Pneumatic Elevator Safety Co. ("Hanford"), 156 5th av, New York
Pratt, Chas. E. ("Pratt's"), 1123 B'way, New York
REEDY, H. J. CO. (Inc.) (All Approved Designs), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
Security Elevator Safety Co. ("Cruickshank's" & "Security"), 126 W 18th, New York
Standard Elevator Interlock Co., Mariner & Merchant bldg, Phila., Pa.
Stevens, Wm. (Est. of), 1221 Frankford, Phila., Pa.
Union Elevator & Machine Co. ("Union" Automatic for Opening & Closing Elevator Gates, Doors, etc.), 144 Ontario, Chicago, Ill.
Victor Mfg. Co., Newburyport, Mass.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)

*Elevator Safety Devices (Electric)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Elevator Safety Gates

(See Elevator Gates, Automatic)

Elevator Safety Locks

Angell Elevator Lock Co., 370 Atlantic av, Boston, Mass.
Burdett-Rowntree Mfg. Co., 85 W Jackson boul, Chicago, Ill., & 147 W 26th, New York
Clernand & Co. (Freight) 206 Centre, New York
Elevator Operating Controller Co. ("L. L. L." Patents), 2 Rector, New York
Maryland Elevator Safety-Lock Co. (Inc.), Law bldg, Baltimore, Md.
ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill. (See adv. index & branch offices, end of book)
Rochester Automatic Elevator Door Co., 291 Mill, Rochester, N. Y.
Standard Elevator Interlock Co., 308 Chestnut, Phila., Pa.
Stowell Mfg. & Foundry Co., S Milwaukee, Wis.
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie County Bank bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.

Elevator Safety Stops

Hunter, James Machine Co., N Adams, Mass.
Miller, L. J., 1233 Harrison, Cincinnati, O.
Pneumatic Elevator Safety Co. ("Hanford"), 156 5th av, New York
Rochester Automatic Elevator Door Co., 291 Mill, Rochester, N. Y.
Security Elevator Safety Co. ("Security"), 126 W 18th, New York
U. S. Elevator Co. (Inc.), 216 Dock, Phila., Pa.

*Elevator Sash Iron

BRAUN, J. G., 322 S Paulina, Chicago, Ill., & 554 W 36th, New York. (See adv. index, end of book)

*Elevator Self Starters (Electric)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)

*Elevator Siding

(See also Roofing & Siding Iron & Steel)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., Canton, O.
Kanneberg Roofing & Ceiling Co. (Corrugated), Canton, O.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, index, end of book)

Elevator Signals

Burdett-Rowntree Mfg. Co., 85 W Jackson boul, Chicago, Ill.
Elevator Signal Co., 140 Nassau, New York
ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill. (See adv. index & branch offices, end of book)
Herzog Teleseme Co., 135 W 23d, New York
Holtzer-Cabot Electric Co., Brookline, Mass.

Elevator Signals (Flash)

Elevator Signal Co., 140 Nassau, New York

Elevator Supplies

(See the Specific Article)

*Elevator Switches (Belt & Reversing)

CUTLER-HAMMER MFG. CO. ("C. & H."), Milwaukee, Wis. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)

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Elevators (Automatic Safety)

Columbus Elevator & Machine Co., Curtis & Jefferson aves, Columbus, O.
REEDY, H. J. CO. (Inc.), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
U. S. Elevator Co., 216 Dock, Phila., Pa.

Elevators (Barrel & Package)

ALVEY-FERGUSON CO., Louisville, Ky. (See adv. index & branch offices, end of book)
BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. index, end of book)
Caldwell, H. W. & Son Co., Chicago, Ill.
Chain Belt Co. (Curved Arm), Milwaukee, Wis.
Buhl Malleable Co., Adair & Wight, Detroit.
Dodge Mfg. Co., Mishawaka, Ind. Mich.
Exeter Machine Works, Pittston, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co. (Automatic Pick Up, etc.), W 39th, c Stewart av, Chicago, Ill., & 290 B'way, New York
MATHEWS GRAVITY CARRIER CO. (Automatic), Merriam Park. (See adv. index, end of book)
Mey Chain Belting Engineering Works (Package), 77 Washington, Buffalo, N. Y.
Oram, Jno. S., Cleveland, O.
REEDY, H. J. CO. (Inc.), 15 W. 2d, Cincinnati, O. (See adv. index, end of book)
Standard Sand & Machine Co., Cleveland, O.
Strait, H. N. Mfg Co. (For Barrel or Cooperage), Kansas City, Mo.
Teal, Chas. A., 1361 Ridge av, Phila., Pa.
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie County Bank bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

*Elevators (Belt)

STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)

*Elevators (Brick)

MATHEWS GRAVITY CARRIER CO., Merriam Park, St. Paul, Minn. (See adv. index, end of book)

Elevators (Bucket)

ALVEY-FERGUSON CO., Louisville, Ky. (See adv. index & branch offices, end of book)
Chalmers & Williams, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.
Gifford Bros., Hudson, N. Y.
JEFFREY MFG. CO. ("Jeffrey" for all Classes of Work), Columbus, O. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co., Cudahy, Wis.
Robins Conveying Belt Co., Passaic, N. J.
Stephens & Adamson Mfg. Co., Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

Elevators (Carriage)

Altizer & Prince, 51 Michigan, Chicago, Ill.
AMERICAN MACHINE CO., Louisville, Ky. (See adv. index, end of book)
Brodesser Elevator Mfg. Co., Milwaukee, Wis.
COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
Columbus Elevator & Machine Co., Curtis & Jefferson avs, Columbus, Ohio
Craig, W. H. & Co., Minneapolis, Minn.
Haughton Elevator & Machine Co., Toledo, O.
Hoffman, C. W. Co., 223 W 28th, New York
KAESTNER & CO. (Inc.), 241 S Jefferson, Chicago, Ill. (See adv. index, end of book)
KIECKHEFER, A. ELEVATOR CO., 1026 St. Paul av, Milwaukee, Wis. (See adv. index, end of book)
Lagerquist, Gust, 516 N 3d, Minneapolis, Minn.
Mason, Volney W. & Co., Providence, R. I.
Miller, Wm. A. Elevator Mfg. Co., 9th & Victor, St. Louis, Mo.
Murtaugh, Jas. Co. (Standard), 202 E 42d, New York
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
REEDY, H. J. CO. (Inc.), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
Reedy, J. W. Elevator Mfg. Co., Chicago, Ill.
Safety Electric Elevator Co., 136 Liberty, New York
Salem Elevator Works, Salem, Mass.
SEDGWICK MACHINE WORKS (Also Automobile Elevators), Poughkeepsie, N. Y., & 128 Liberty, New York. (See adv. index, end of book)
STORM MFG. CO., Newark, N. J., (See adv. index & branch offices, end of book)
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie County Bank bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevators (Coal)

(See Conveyors, Coal & Ashes; also Elevators, Traveling, Coal)

Elevators (Combination, Hand & Belt Power)

AMERICAN MACHINE CO., Louisville, Ky. (See adv. index, end of book)
Columbus Elevator & Machine Co., Curtis & Jefferson avs, Columbus, O.
Edmonds Elevator Co., 146 Champlain, Cleveland, O.
Grote Mfg. Co., Evansville, Ind.
Haughton Elevator & Machine Co., Toledo, O
Hoffman, Chas. W. Co., 223 W. 28th, New York
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
REEDY, H. J. CO. (Inc.), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
SEDGWICK MACHINE WORKS Poughkeepsie, N. Y., & 128 Liberty, New York. (See adv. index & branch offices, end of book)
SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO. Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevators (Concrete Mixer)

Briggs' Labor Saving Specialty Co. ("Lightning"), Waterloo, Iowa
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Elevators (Cotton)

(See Elevators, Cotton, under Textile Machinery)

Elevators (Electric)

(See also Elevators, Freight & Passenger)

Abadie, E. H. Co. (Hydraulic, etc.), Times bldg, St. Louis, Mo.
Altizer & Prince, 51 Michigan, Chicago, Ill.
AMERICAN MACHINE CO., Louisville, Ky. (See adv. index, end of book)
Bates, James Sons, Pratt c President, Baltimore, Md.
Brodesser Elevator Mfg. Co., Milwaukee, Wis.
California Electrical Works, 642 Folsom, San Francisco, Cal.
COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
Columbus Elevator & Machine Co., Columbus, Ohio
Curran, Jas. H. Elevator Co., 114 W 2d, Cincinnati, O.



Self-starters, speed controllers and limit switches for electric elevators. THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis.

Grote Mfg. Co., Evansville, Ind.
Hammond, Jno. & Co., 18th & Indiana, San Francisco, Cal
Haughton Elevator & Machine Co., Toledo, O
Hay's, Samuel W., Sons, Pittsburg, Pa.
Hoffman, Chas. W. Co., 223 W. 28th, New
Hollister-Whitney Co., Quincy, Ill. York
Houser Elevator Co., 314 E Water, Syracuse, N. Y.
KAESTNER & CO. (Inc.) (Alternating Current, Passenger & Freight), 241 S Jefferson, Chicago, Ill. (See adv. index, end of book)
KIECKHEFER, A. ELEVATOR CO., 1026-1104 St. Paul av, Milwaukee, Wis. (See adv. index, end of book)
Kimball Bros. Co., Council Bluffs, Ia.
Lagerquist, Gust (Direct & Belted), 516 N 3d, Minneapolis, Minn.
MARINE ENGINE & MACHINE CO. (Automatic), Main Office: 230 W 13th, New York; Works: Harrison, N. J. (See adv. index & branch offices, end of book)
Marshall Bros., S 21st & Mary, Pittsburg, Pa.
Miller, Wm. A. Elevator Mfg. Co., 9th c Victor, St. Louis, Mo.
Moore & Wyman Elevator & Machine Works, Granite c Richards, Boston, Mass.
National Elevator Co., 400 W 23d, New York
National Elevator & Machine Co., Honesdale, Pa.
NORTHERN ENGINEERING WORKS, (Freight), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
REEDY, H. J. CO. (Inc.) (Alternating & Direct Current Machines), 15 W 2d, Cincinnati, O. (See adv. index, end of book)
Reedy, J. W. Elevator Mfg. Co., 91 Illinois, Chicago, Ill.
Roberts, James H., 430 W B'way, New York
Salem Elevator Works, Salem, Mass.
See, A. B., Electric Elevator Co., 220 B'way, New York
SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
Springfield Elevator & Pump Co., Springfield, Mass.
STORM MFG. CO., 40-50 Vesey, Newark, N. J. (See adx. index & branch offices, end of book)
Van Emon Elevator Co., San Francisco, Cal.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. Bank bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevators (Electric Sidewalk)

Altizer & Prince, 51 Michigan, Chicago, Ill.
Columbus Elevator & Machine Co., Columbus, O
Curran, Jas. H. Elevator Co., Cincinnati, O.
Haughton Elevator & Machine Co., Toledo, O.
Hoffman, Chas. W. Co., 223 W. 28th, New York
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
REEDY, H. J. CO. (Inc.), 15 W. 2d, Cincinnati, O. (See adv. index, end of book)
Safety Electric Elevator Co., 136 Liberty, New York
STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevators (Farm, Portable)

Camp Bros. & Co., Metamora, Ill.
Children's, E. Sons Mfg. Co., Council Bluffs.
Engel, J. A. & Co., Peoria, Ill. Iowa
Hiawatha Mfg. Co., Hiawatha, Kan.
Portable Elevator Mfg. Co., Bloomington, Ill.
Schroeder Bros., Minier, Ill.
Warner Elevator Mfg. Co., Warner, Ill.
Wenzelmann Mfg. Co. (Elevators & Wagon Dumps for Handling Grain), Galesburg, Ill.

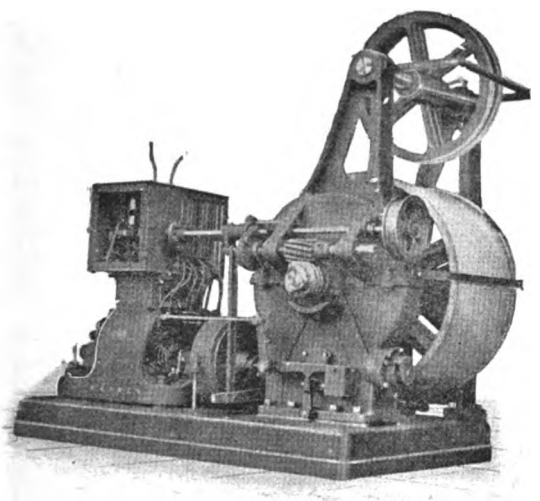
*Elevators for Crushing Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Elevators (Foundry)

Altizer & Prince, 51 Michigan, Chicago, Ill.
Columbus Elevator & Machine Co., Curtis & Jefferson avs., Columbus, O.
Haughton Elevator & Machine Co., Toledo, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

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Which cannot be excelled for Economy, Safety, Easy Running and Durability.

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Theatre Railings
Fire Escapes
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Office Partitions
Bank Wickets
Lawn Furniture
Iron and Wire Fences
Tree Guards
Bank Grilles
Mausoleum Doors
Creamatory Urns
Sidewalk Doors
Ore & Coal Screens

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BELT ELEVATORS

Can be Run by Gas Engines, Electric Motors or from Line Shaft

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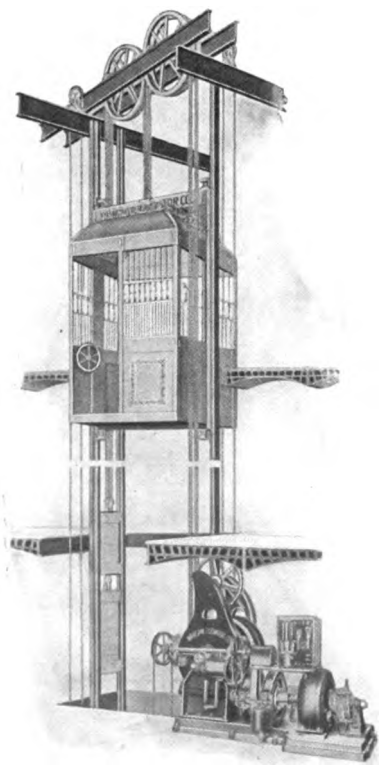
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PASSENGER AND FREIGHT
ELECTRIC, BELT, HAND POWER
AND DUMB WAITERS

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Warsaw Elevator Co.

WARSAW, N. Y., U. S. A.

OFFICES

BALTIMORE, MD. BUFFALO, N. Y. NEW YORK, N. Y.
ROCHESTER, N. Y. PHILADELPHIA, PA.

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Quincy-Manchester-Sargent Co., Plainfield N. J.
REEDY, H. J. CO. (Inc.), 15 W 2d. Cincinnati, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. Bank bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Elevators (Freight & Passenger)

(NOTE—Firms Designated by Dagger (†) do General Repair Work Only. (Star (*) Indicates Passenger Elevators)
(Under this Heading see Sub-classifications)

ALABAMA.

BIRMINGHAM—***OTIS ELEVATOR CO.** (See adv. index, end of book)
WARNER ELEVATOR MFG. CO. (Electric, Hydraulic & Hand & Belt Power. Passenger & Freight). (See adv. index, end of book)

CALIFORNIA.

LOS ANGELES—Baker Iron Works, 946 Buena Vista
Fulton Engine W'ks, N Main c Alhambra av
†Machinery & Electrical Co., 351 N Main
***OTIS ELEVATOR CO.** (See adv. index, end of book)
Union Iron Works, 406 E 1st
SAN FRANCISCO—†California Car & Elevator Works, 7th & King
†Enterprise Electric Works, 120 8th
Holman, Wm. L. & Co., 18th & Indiana
†Lippert & Kelsey (Freight Only)
***OTIS ELEVATOR CO., Stockton** & N Point. (See adv. index, end of book)
Van Emon Elevator Co., 111 New Mtgy.

COLORADO.

DENVER—Nock & Garside, 1844 Wazee
***OTIS ELEVATOR CO., Opera** House bldg. (See adv. index, end of book)

CONNECTICUT.

HARTFORD—†Rice & Baldwin Electric Co.
NEW HAVEN—Eastern Machinery Co., 246 Ashman
MacKenzie, George M., Water c East

DELAWARE.

WILMINGTON—Green Elevator Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Fornberg, Gustav W., 526 13 N W

GEORGIA.

SAVANNAH—†Davis-Forrest Machine Works, 307 Bay, W

ILLINOIS.

CHICAGO—Altizer & Prince, 51 Michigan
Brodesser Elevator Mfg. Co., 84 Van Buren
Coen, W. H., Lakeside bldg
Economy Engineering Co., 58 Jefferson
†ELEVATOR SUPPLY & REPAIR Co., (Signalling Apparatus, etc.), 76 W Monroe. (See adv. index, end of book)
†Gallagher & Speck, 295 5th av
†Gallagher & Speck, 184 Congress
***KAESTNER & CO. (Inc.)** (Steam & Hydraulic), 241 S Jefferson. (See adv. index, end of book)
***MARINE ENGINE & MACHINE CO.** (Electric, Hydraulic & Plunger), Marquette bldg. (See adv. index, end of book)
†Mitchell, C. H. Elevator Co., 91 W Quincy
***OTIS ELEVATOR CO., 9 Jackson** boul. (See adv. index, end of book)
*Reedy, J. W. Elevator Mfg. Co. (Hydraulic, Electric, Belt, Steam, etc.), 91 Illinois, Chicago Ill.
†Reliance Elevator Co., 326 Dearborn
*Union Elevator & Machine Co., 28 Market
†Wright Mfg. Co., 174 Lake
MOLINE—*Moline Elevator Co.
QUINCY—Hollister-Whitney Co.

INDIANA.

EVANSVILLE—*Grote Mfg. Co.
Meaker, Geo. L. & Co. (Power)
INDIANAPOLIS—†Carman & Fryer, 334 E Market
***OTIS ELEVATOR CO., Indiana** Pythian bldg. (See adv. index, end of book)
†Reedy, D. V. & Co., 208 S Penn
PERU—Parkhurst Mfg. Co. (Freight, Hand, Belt & Electric Power)

IOWA.

COUNCIL BLUFFS—Kimball Bros. Co. (Electric, Hand & Belt Power)
DES MOINES—†Globe Machinery & Supply Co.
Iowa Machinery & Supply Co.
LE MARS—Pech, Gustave Foundry & Mfg. Co.

KENTUCKY.

LOUISVILLE — ***AMERICAN MACHINE** Co. (Electric, Hydraulic, Belt & Hand.) (See adv. index, end of book)

LOUISIANA.

NEW ORLEANS—†American Elevator & Electric Co., 520 Camp
†Commercial Electric Co., 710 Union
†O'Brien, Peter, 827 Carondelet
***OTIS ELEVATOR CO., Godchaux bldg.** (See adv. index, end of book)

MAINE.

PORTLAND—*Portland Co. (Plunger)

MARYLAND.

BALTIMORE—Adt, Jno. B. (Steam), 332 N Holliday
*Bates, James Sons (Hand, Hydraulic, Steam, Electric, etc.), Pratt c President
*Faunt Le Roy Elevator Co. (Hydraulic, Electric & Belt), 8th & Pratt
†ELLICOTT MACHINE CO., Severn & Brush
***OTIS ELEVATOR CO., Equitable bldg.** (See adv. index, end of book)
***See, A. B. Electric Elevator Co. (Electric), 210 E German**
WARSAW ELEVATOR CO., Main Office & Works, Warsaw, N. Y. (See adv. index, end of book)
Zies, Chas. & Sons, 316 S Fremont

MASSACHUSETTS.

BOSTON—†Automatic Elevator Co., 19 Pearl
Beckwith Elevator Co., 128 Pearl
Brewer, Elias & Co., 52 Sudbury
†Currie, J. H. & Co., 100 Utica
Hoyt Elevator Co., 129 Pearl
Kimball, C. E. & Son, 151 Pearl
McLauthlin, Geo. T. Co., 120 Fulton
*Moore & Wyman Elevator & Machine Works, Granite c Richards
†Morrison, Angus, 18 Harvard pl
†Payne, F. S., 295 Franklin
†Porter, W. H., 15 Hartford
*Portland Co. (Hydraulic), 141 Milk
*See, A. B. El. Elev'r Co., 282 Washington
Seelye Mfg. Co. (Freight), 118 South
†Tubman, Wm., 20 Central
Van Wert Mach. Co., 33 Wash. N
FLORENCE—Norwood Engineering Co.
LYNN—Embree, Wm. F. & Co., 435 Union
SALEM—*Salem Elevator Works (Electric)
SPRINGFIELD — **OTIS ELEVATOR CO.** (See adv. index, end of book)
Springfield Iron Works, 108 Taylor
WORCESTER — **OTIS ELEVATOR CO.** (See adv. index, end of book)
Standard Plunger Elevator Co.

MICHIGAN.

DETROIT—†Fox, Wm. Co., 893 Wabash av
NORTHERN ENGINEERING WK'S, Chene & Atwater. (See adv. index, end of book)
***OTIS ELEVATOR CO., Penobscot bldg.** (See adv. index, end of book)

MINNESOTA.

MINNEAPOLIS—Craig, W. H. & Co., 415 6th
*Lagerquist, Gust, 516 N 3d av, S.
ST. PAUL—*Franklin Machine Works, 2208 W University av
*Lee & Hoff Mfg. Co., 81 E Fillmore av

MISSOURI.

KANSAS CITY—Kansas City Elevator Mfg Co., 115 W 19th
***OTIS ELEVATOR CO.** (See adv. index, end of book)
Strait, H. N. Mfg. Co. (Freight)
ST. LOUIS—Abadie, E. H. & Co., Nat. B'k of Com. bldg
Ellison, Wm. & Sons Mfg. Co., 1018 N 6th
Gerahty Bros., 416 S 6th
*Miller, Wm. A. Elevator Mfg. Co., 9th & Victor
***OTIS ELEVATOR CO., Security bldg.** (See adv. index, end of book)

NEBRASKA.

OMAHA — ***OTIS ELEVATOR CO.** (See adv. index, end of book)

NEW JERSEY.

HARRISON—***MARINE ENGINE & MA**chine Co. (Electric, Hydraulic & Plunger), Sales Office, 126 Liberty, New York. (See adv. index, end of book)
NEWARK—***OTIS ELEVATOR CO.** (See adv. index, end of book)
Skinner & Leary, 13 Railroad pl
STORM MFG. CO. (Hand & Belt Power etc.) (See adv. index, end of book)
Webber, Geo. A., Pointer c Penn av
Wright, Lysander, Jr., 9 Alling

NEW YORK.

BUFFALO—†Buffalo Engineering Co., Erie Co. Bank bldg
***OTIS ELEVATOR CO., Chicago & Granger.** (See adv. index, end of book)
†Queen City Engineering Co., 49 Illinois
***WARSAW ELEVATOR CO., Erie** Co. Bank bldg. (See adv. index, end of book)
COHOES — **COHOES IRON FOUNDRY** & Machine Co. (Freight). (See adv. index, end of book)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Rodgers, R. M. & Co., 133 Hall.

Boroughs of Manhattan & Bronx.

NEW YORK—†Aetna Elevator Co., 48 Warren
†American Elevator Co., 113 Cedar
Bethlehem Foundry & Machine Co. (Spur Gear & Screw Winding Freight Only), 149 Broadway
Burwak Elevator Co., 216 Fulton
†Clernand & Co., 206 Centre
†Couch, Sam'l & Sons, 214 Centre
Dowdall, Chas. E., 152 W B'way
ELEVATOR SUPPLY & REPAIR Co. (Signalling Apparatus Installed), 136 Liberty. (See adv. index, end of book)
†Graham Bros. & Co., 662 Hudson
*Hoffman, Chas. W. Co. (Electric & Belt Power), 223 W. 28th
†Kane, M. J. & Co., 136 Liberty
Kenny Electrical Mfg. Co., 140 Nassau
***MARINE ENGINE & MACHINE** Co. (Electric, Hydraulic & Plunger), 230 W 13th. Works, Harrison, N. J. (See adv. index, end of book)
†Meagher, T. H., 103 Walker
National Elevator Co., 24 Stone
***OTIS ELEVATOR CO., 17 Battery pl.** (See adv. index, end of book)
†Pearson, McGlynn & Co., 10 Reade
*Plunger Elevator Co., 17 Battery pl
*Portland Co., 230 W 13th
*Reedy Elevator Co., 202 9th av
*Roberts, James H., 430 W B'way
*See, A. B. Electric Elevator Co., 220 B'way
†Shaper, F. D., 153 Franklin
Sommerville, John 156 W 30th
Standard Plunger Elevator Co (Plunger), 115 Broadway
***WARNER ELEVATOR MFG. CO.** (Electric, Hydraulic & Hand & Belt Power, Passenger & Freight), 1133 B'way. (See adv. index, end of book)
Welsh Machine Works, 276 & 277 West, New York

(End of New York City)

OSSINING—Kipp, A., Jr. (Hydraulic)
ROCHESTER — ***OTIS ELEVATOR CO.** 198 Commercial. (See adv. index, end of book)
***WARSAW ELEVATOR CO., 262** State. (See adv. index, end of book)
SYRACUSE—Houser Elevator Co., 314 E Water
UTICA—***OTIS ELEVATOR CO.** (See adv. index, end of book)
WARSAW—***WARSAW ELEVATOR** Co. (See adv. index, end of book)
YONKERS—***OTIS ELEVATOR CO.** (See adv. index, end of book)

NORTH CAROLINA.

CHARLOTTE—Park Mfg. Co. (Belt Power)

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CINCINNATI—Cincinnati Elevator Works, Quigley, M. J. (Propr.), 216 W 2d
*Curran, Jas. H. Elevator Co., 114 W 2d
Hain, Frank M., Plum & Genesee
Lane & Bodley Co., John & Water
National Elevator Co., 124 Opera pl
*REEDY, H. J. CO. (Electric, Hydraulic, Plunger, Steam, Hand. etc.), 15 W 2d. (See adv. index, end of book)
Troup, E. K., 124 W Pearl
*WARNER ELEVATOR MFG. CO. (Electric, Hydraulic & Hand & Belt Power, Passenger & Freight), Spring Grove av, Alfred & Valley. (See adv. index, end of book)
CLEVELAND — Edmonds Elevator Co., 519 Champlain av, N W
COLUMBUS—†Beck Electrical Repair Co., 7 S
†Eaton Machine Co. Levee
Ohio Elevator & Machine Co., Curtis & Jefferson avs
*OTIS ELEVATOR CO. (See adv. index, end of book)
†Rupnow, W. L., 98 W Broad
DAYTON—Gem City Elevator Works, 612 W Wash'n
SANDUSKY—Klotz Machine Co. (Hand & Power)
SIDNEY—Sidney Elevator Mfg. Co. Steam)
TOLEDO—*Haughton Elevator & Machine Co. (Steam, Hydraulic, Belt, etc.), 124 S
*Universal Machine Co. Huron

OKLAHOMA.

OKLAHOMA CITY—*OTIS ELEVATOR Co. (See adv. index, end of book)

OREGON.

PORTLAND—†Portland Elevator Co.
Portland Iron Works, 495 Northrop
Willamette Iron & Steel Works, 4th c Glisan

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COATESVILLE—Ridgway, Craig & Son, Co. (Heavy Freight)
HONESDALE—*National Elevator & Machine Co. (Electric, Hydraulic, Belt & Hand Power)
LANCASTER—†Welchans, A. C.
Energy Elevator Co., 411 Cherry
Independence Elevator Co., 732 Sansom
NORRISTOWN—Rittenhouse, C. & Sons
PHILADELPHIA—Albro-Clem Elevator Co., 7th & Glenwood av
Keystone Elevator Inspection & Repair Co. (Mfrs. & Repairers), 923 Locust
McIntire, Walter C. & Co., 506 Commerce
O'Neill Elevator Co., 628 Cherry
*OTIS ELEVATOR CO., 12th & Sansom. (See adv. index, end of book)
Plunger Elevator Co., 32 South Broad
Quaker City Elevator Works, 220 N Water
*See, A. B. Electric Elevator Co., Land Title bldg
Standard Elevator Co., 3107 Chestnut
Standard Plunger Elevator Co., Pennsylvania bldg
*Stokes & Parrish (Dep't of Otis Elevator Co.), 1228 Race
*U. S. Elevator Co. (Inc.) (Passenger & Freight, Belt & Hand Power), 216 Dock
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*Marshall Bros., S 21st & Mary
Seelar Elevator Co., 625 Fountain
*Union Elevator Co. 33 Gist
READING—*SPEIDEL, JOHN G. (Belt, Hand & Electric Power). (See adv. index, end of book)
SOUTH BETHLEHEM—Bethlehem Foundry & Machine Co. (Spur, Gear & Screw Winding Freight Only)

RHODE ISLAND.

PROVIDENCE—†Anderson & Osterman Electrical Repair Co., 155 Orange
†Dingley, B. F. & Co., 77 Page
McCarroll, Sam'l H. (Plunger), 65 Jackson
Mason, Volney W. & Co.
*Providence Elevator Works, 58 Point
Rhode Island Elev. & Machine Co., 35 Clifford
†Swift, J. T. & Co., 95 Pine

TENNESSEE.

CHATTANOOGA—WARNER ELEVATOR Mfg. Co., 816 Georgia (See adv. index, end of book)
Sybilla, Frank, Elevator Co.
MEMPHIS—Chickasaw Iron Works, 166 2d

TEXAS.

DALLAS—*OTIS ELEVATOR CO. (See adv. index, end of book)
HOUSTON—*OTIS ELEVATOR CO. (See adv. index, end of book)

UTAH.

SALT LAKE CITY—Trent Engineering & Machinery Co.

VIRGINIA.

DANVILLE—Westbrooks Elevator Co. (Hand Belt Power)
NORFOLK—*OTIS ELEVATOR CO. (See adv. index, end of book)
RICHMOND—*OTIS ELEVATOR CO. (See adv. index, end of book)
Shelton, A. V. & Co.

WASHINGTON.

SEATTLE—†Biegert, J. C. Machine Works, 517 1st av. S
Erickson-Wyman Co., 1001 1st av. S
*OTIS ELEVATOR CO. (See adv. index, end of book)
SPOKANE—National Iron Works
*OTIS ELEVATOR CO. (See adv. index, end of book)
*Pacific Iron Works

WISCONSIN.

MILWAUKEE—*Brodesser Elevator Mfg. Co. (Electric, Hydraulic, Steam, etc.), 514
†Heller, S., 290 5th av Commerce
KIECKHEFER, A. ELEVATOR Co. (Electric, Hydraulic, Belt, Plunger, etc.), 1026-1104 St. Paul av. (See adv. index, end of book)
*OTIS ELEVATOR CO., 144 W Water. (See adv. index, end of book)
†Rosenberg, F. Elevator & Supply Co., 149 Clinton

*Elevators (Garage)

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*Elevators (Gravity)

ALVEY-FERGUSON CO. (Inc.) (Automatic, for Barrels, Boxes, Crates, etc.), Louisville, Ky. (See adv. index & branch offices, end of book)
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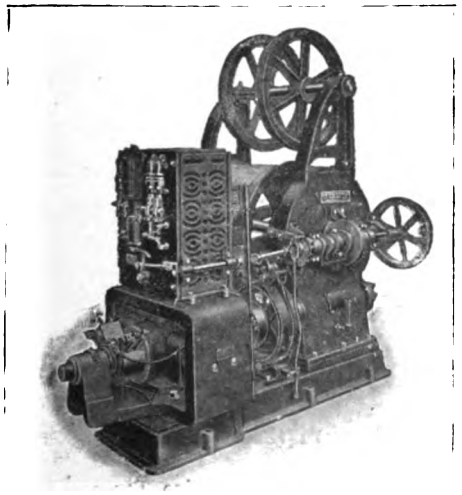
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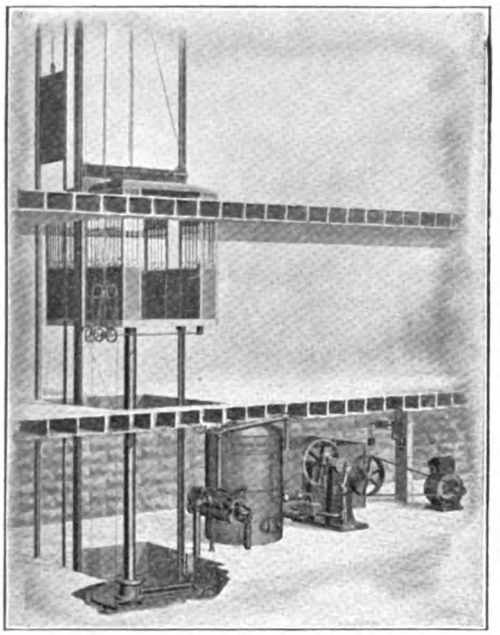
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Cincinnati Elevator Works, 216 W 2d, Cincinnati, Ohio
COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
Columbus Elevator & Machine Co., Curtis & Jefferson avs, Columbus, O.
Craig, W. H. & Co., 415 6th av. S Minneapolis, Minn.
Eaton & Prince Co., 76 Michigan, Chicago, Ill.
Haughton Elevator & Machine Co., Toledo, O.
Hoffman, Chas. W. Co., 223 W 28th, New York
Hollister-Whitney Co. (Furnish Iron Work Complete), Quincy, Ill.
KIECKHEFER, A. ELEVATOR CO., 1026-1104 St. Paul av, Milwaukee, Wis. (See adv. index, end of book)
Lagerquist, Gust, 516 N 3d, Minneapolis, Minn.
Meeker, Geo. L. & Co., Evansville, Ind.
Miller, Wm. A. Elevator Mfg. Co., 9th & Victor, St. Louis, Mo.
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices end of book)
REEDY, H. J. CO. (Inc.), 15 W 2d. Cincinnati, O. (See adv. index, end of book)
Reedy, J. W. Elevator Mfg. Co., 91 Illinois, Chicago, Ill.
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STORM MFG. CO., 40-50 Vesey, Newark, N. J. (See adv. index & branch offices, end of book)
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
U. S. Elevator Co., 216 Dock, Phila., Pa.
WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)
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Byers, Jno. F. Machine Co. (Double Platform), Ravenna, O.
Buckley, Jas. J. (For Building Material), 310 W 65th, New York
Carlson Hoisting Co., 298 Douglass, Brooklyn, N. Y.
Contractors Plant Mfg. Co., 127 Erie, Buffalo, N. Y
Edelmeyer & Morgan Hod Elevator Co. (For Building Materials), 333 W 49th, New York
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Ideal Fence Co., Adrian, Mich.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
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Langjahr, Chas. (For Building Materials), 87e W Van Buren, Chicago, Ill.
New York Hod Hoisting Co., 956 E 138d, New York
Pelham Operating Co. (For Building Materials), 410 W 26th, New York
Simpson Hod Elevating Co., Newark, N. J.
Smith, Wm. A. Elevator Co., 516 E 141st, New York
Stanley Hoisting Co., 630 W 25th, New York
Stimson Elevator Co. (For Building Materials), 183 Walnut, Chicago, Ill.
Thomas Elevator Co., 115 S Hayne av, Chicago, Ill.
Thomas & Buckley Hod Elevator Co., 310 W 65th, New York
White Hod Elevator Co., 5a Sylvan pl, New York
Wood Hod Elevator Co., 171 E 120th, New York

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Bates', James Sons, Pratt c President, Baltimore, Md.
Brodesser Elevator Mfg. Co., Milwaukee, Wis.
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Curran, Jas. H., Elevator Co., 114 W 2d, Cincinnati, O.
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Hammond, J., & Co., 18th & Indiana, San Francisco, Cal.
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Hollister-Whitney Co., Quincy, Ill.
Kaestner & Co. (Inc.), 241 S. Jefferson, Chicago, Ill.
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MARINE ENGINE & MACHINE CO., 128 Liberty, New York. (See adv. index end of book)
Marshall Bros., 21st & Mary, Pittsburg, Pa.
Miller, Wm. A. Elevator Co., 9th cor. Victor, St. Louis, Mo.
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Plunger Elevator Co., Barbers', Worcester, Portland, Co., Portland, Me. Mass.
Quincy-Manchester-Sargent Co., Plainfield, N. J.
REEDY, H. J. CO. (Inc.) (For Power, Safety & Speed), 15 W. 2d, Cincinnati, O (See adv. index, end of book)
Reedy, J. W. Elevator Mfg. Co., 91 Illinois, Chicago, Ill.
Rhode Island Elevator & Machine Co., 18 Calendar, Providence, R. I.
Springfield Elevator Mfg. Co., Springfield, Mass.
Standard Plunger Elevator Co., Worcester, Mass.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
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(See Stairways, Moving)

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Hoffman, Chas. W. Co., 223 W. 28th, New York
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*Elevators (Pipe)

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McCarroll, Samuel H., 65 Jackson, Providence, R. I.
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OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
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Standard Plunger Elevator Co., 1 B'way, New York
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Edmonds Elevator Co., 146 Champlain, Cleveland, O.
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Sommerville, John, 156 W 30th, New York
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Elevators (Water, for Mine & Quarry)

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Hoppes Mfg. Co., Springfield, O.
Nicholson, W. H. & Co. ("Wyoming," Automatic), Wilkes-Barre, Pa.
Robertson, Jas. L. & Son (Inc.) ("Hine's"), 48 Warren, New York

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(See Grinders, Emery)

Emery Stones

(See Stones, Emery)

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American Emery Wheel W'ks, Providence, R. I.
BAY STATE STAMPING CO. ("Bennett"), 380 Chandler, Worcester, Mass. (See adv. index, end of book)
Browne & Dowd Mfg. Co. ("American"), Meriden, Conn.
Builders' Iron Foundry ("Challenge"), Providence, R. I.
Calder, Geo. H. ("Calder"), Lancaster, Pa.
Challenge Machine Co. (Inc.) ("Gruwa-Huntington"), 5116 Springfield av, Phila., Pa.
Chicago Screw Co. ("Genuine Huntington"), 2 N Canal, Chicago, Ill.
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Collmer Bros. ("Huntington Collmer"), South Bend, Ind.
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Curtin-Herbert Mfg. Co., Gloversville, N. Y.
Dayton Malleable Iron Co., Dayton, O.
Desmond-Stephen Mfg. Co. ("Desmond" "Diamo-Carbo"), Urbana, O.
DESSAU'S, S. SONS (Diamond Set), 180 B'way, New York. (See adv. index, end of book)
Diamond Machine Co., Providence, R. I.
Diamond Saw & Stamping Works ("Sterling"), 357 7th, Buffalo, N. Y.
Dickinson, Jno. (Est. of) (Diamond Pointed), 64 Nassau, New York
Dickinson, Thos. L., 45 Vesey, New York
Heald Machine Co., Worcester, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
International Specialty Co. ("Economo" Combination & "Economo" Crucible), 362 Holden av, Detroit, Mich
Lancaster Peerless Emery Wheel Co., Lancaster, Pa.
Northampton Emery Wheel Co., Leeds, Mass.
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Standard Tool Co. ("Standard"), Central av & P Ry, Cleveland, O.
Stephan, C. H. Specialty Co., Dayton, O.
Stocker, H. A., Machine Co. ("Rearwin"), 85 Randolph, Chicago, Ill.
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Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Wrigley, Thos., Co., 800 Dearborn, Chicago, Ill.

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(See Grinders, Emery)

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Emery & Corundum Mfrs.

Abrasive Mining & Mfg. Co. (Miners & Mfrs., Scimitar, Sultan Emery, Turkish Emery, Naxas Emery, Corundum), Plymouth, Ind., & Chester, Mass.
Abrasive Material Co., S 72d & Upland, Phila., Pa.
Hamilton Emery & Corundum Co., Chester, Mass.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
HARRISON SUPPLY CO. (Dealers), 5 & 7 Dorchester Av Extension, Boston, Mass. (See adv. index, end of book)
International Emery & Corundum Co., 25 Broad, New York
Keystone Emery Mills (Turkish), Frankfort, Phila., Pa.
Levant Emery Co., Boston, Mass.
Norton Company, Worcester, Mass.
Pittsburgh Crushed Steel Co. (Ltd.), Pittsburgh, Pa.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Stiles, H. A. & Co. ("Ottoman," Brand Turkish & Noxas Emery & Greek Corundum), 176 Federal, Boston, Mass.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Vitrified Wheel Co., Westfield, Mass.
Washington Mills Emery Mfg. Co. (Turkish Emery only), North Grafton, Mass.

Emery & Corundum Wheel Mfrs.

Abrasive Material Co., S 72d & Upland, Philadelphia, Pa.
Adams Co. (Emery, Cushing Bearing), Dubuque, Iowa
American Emery Wheel W'ks, Providence, R. I.
Bay State Emery Wheel Co., Worcester, Mass.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Buffalo Emery Wheel Co. (M. Reich, Prop.), 16 Lock, Buffalo, N. Y.
Caborundum Co. (Carborundum Only), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co. ("Chicago"), 330 W Monroe, Chicago, Ill.
Cortland Corundum Wheel Co., Cortland, N. Y.
Detroit Emery Wheel Co., Detroit, Mich.

SUPERIOR CORUNDUM WHEEL CO. WALTHAM, MASS.

Corundum, Emery and Electrical Abrasive Wheels made in all sizes for all kinds of Grinding

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Electric Emery Wheel Co., Newark, N. J.
Gold, Walter C. ("The Keystone"), Phila., Pa.
Hamden Corundum Wheel Co., Brightwood, Springfield, Mass.
Keystone Emery Mills, 4825 Paul, Phila., Pa.
Lancaster Peerless Emery Wheel Co., Lancaster, Pa.
Manistee Emery Wheel Co., Manistee, Mich.
Monarch Emery & Corundum Wheel Co. ("Monarch"), Camden, N. J.
Northampton Emery Wheel Co., Leeds, Mass.
Norton Company (Alundum), Worcester, Mass.
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Peninsular Emery Wheel Co. (also Adamite Abrasive Wheels), Detroit, Mich.
Pike Mfg. Co., Pike Station, N. H., & 151 Chambers, New York
Pittsburg Emery Wheel Co., Park bldg, Pittsburg, Pa.
Safety Emery Wheel Co., Springfield, O.
Southern Saw Works, Atlanta, Ga.
Springfield Mfg. Co., Bridgeport, Conn.
Star Corundum Wheel Co., Detroit, Mich.
Sterling Emery Wheel Mfg. Co. (Adamite Wheel Also), Tiffin, O.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Waltham Emery Wheel Co. ("Richardson"), Waltham, Mass.

Enameled Hollow Ware

Avery Stamping Co., 5702 Lakeside av, N E, Cleveland, Ohio.
Baltimore Stamping Co., 115 E Hanover, Baltimore, Md.
Blairsville Enameled Ware Co., Blairsville, Pa.
Central Stamping Co., 174 Fulton, New York
Canton Stamping & Enameling Co. (French Grey), Canton, O.
Cleveland Stamping & Tool Co. ("Lava," "Volcanic"), Hamilton av, cor E 55d, N. E., Cleveland, O.
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Dunlap, John Co. ("Monogram," "Vulcan," "Blue-Stone," "Janet"), Pittsburg, Pa.
Enterprise Enamel Co., Bellaire, O.
Geisel, A. Mfg. Co., 219 So 2d, St. Louis, Mo.
Geuder, Paeschke & Frey Co. (Also Galvanized, Japanned & Tinned), Milwaukee, Wis.
Griswold Mfg. Co. ("Erie"), Erie, Pa.
Iron Clad Mfg. Co., 189 Cook, Brooklyn, N. Y.
Jones Hollow Ware Co., Eusor c Ashland av, Baltimore, Md.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.), Canandiagua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Mound City Mfg. & Enameling Co., 1858 Menard, St. Louis, Mo.
National Enameling & Stamping Co., White & B'way, New York
New Castle Stamping Co., New Castle, Pa.
New England Enameling Co. ("Ideal"), Middletown, Conn.
Porcelain Enameling Ass'n of America, Sheboygan, Wis.
Purity Enameled Ware Co., 29 Cliff, New York
Reed Mfg. Co., Newark, N. J.
Republic Metalware Co., 60 Tecumseh, Buffalo, N. Y., & 21 Cliff, New York
Republic Stamping & Enameling Co. (French Mottled Ware), Canton, O.
Star Enameling & Stamping Co. ("Seeco"), Pittsburg, Pa.
Sternau, S. & Co. (Fancy Kettles, Coffee Machines, Coffee & Tea Pots, etc.), 195 Plymouth, Brooklyn, N. Y.
Stewart Stamping Co., Moundsville, W. Va.
Sweeney, W. H. Mfg. Co. (Copper, Brass & Nickel-Plated Ware), 66 Water, B'klyn, N.Y.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath, J. J., Mfg. Co., Sheboygan, Wis.

*Enameled Rings

STAR EXPANSION BOLT CO. ("Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)

Enamelers

(See also Glass Enamelers)

American Enamel Co. (Of Wood, Metal, etc.), Providence, R. I.
Baltimore Enamel & Novelty Co. (Metal), Allen & Clement, Baltimore, Md.
Dick, D. D. & Son, 519 Cherry, Phila., Pa.
Estes, E. B. & Sons (Fancy & Plain Wood), 45 72 Warren, New York
Greenpoint Enameling Works, 300 Greenpoint av, Brooklyn, N. Y.
Michigan Enameling Works (Porcelain), Kalamazoo, Mich.
Narragansett Machine Co, (Wood & Metal), Providence, R. I.
Novelty Turning Co. (Wood), Norway, Me.

Enamels

Acme White Lead & Color Works, Detroit, Mich.
Adams & Elting Co., 155 W Wash'n, Chicago, Ill.
American Bitumastic Enamel Co. (Bitumastic), 311 Walnut, Phila., Pa.
American Enamel Co., Providence, R. I.
Arnstein, E., 35th & Shields av, Chicago, Ill.
Aspinall, Edwin (Importer), 136 Water, New York
Bigelow Varnish Co. (White), 81 Oliver, Newark, N. J.
Billings-Chapin Co., 1168 E 40th, N. E., Cleveland, O.
Billings, King & Co., 438 Pearl, New York, & 158 Congress, Boston, Mass.
Booth, J. B. & Co., 225 1st av, Pittsburg, Pa.
Bradley & Vrooman Co., 2633 Dearborn, Chicago, Ill.
Bridgeport Wood Finishing Co., New Milford, Conn., & 55 Fulton, New York
Buffalo Enamel & Stain Co. (Paint), D. S. Morgan bldg, Buffalo, N. Y.
Burns, C. L., 156 5th av, New York
Canton Paint & Varnish Co., Canton, O.
Cawley, Clark & Co., 272 Passaic, Newark, N. J.
Chicago Varnish Co. ("Enamelite"), 855 Elston av, Chicago, Ill.
Chicago Wood Finishing Co., 261 Elston av, Chicago, Ill.
Ernecke & Salmstein (Marble Paint for Walls & Ceilings), 631 N Halsted, Chicago, Ill.
Forest City Paint & Varnish Co. (All Kinds), Cleveland, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gerstendorfer Bros. ("Star"), 231 E 42d, New York
Harrison Bros. & Co. (Inc.), 35th & Grays Ferry rd., Phila., Pa., & 117 Fulton, New York
Lancaster Paint & Glass Co., Lancaster, Pa.
Lucas, John & Co., 4th & Race, Phila., Pa.
Marblecrete Products Co. (For Concrete Blocks, Brick & Stone Work), Akron, N. Y.
National Enameling & Stamping Co., White & B'way, New York
M'Lennan Paint Co. (Ltd.), 175-195 Rano, Buffalo, N. Y.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Nice, Eugene E. ("Nice"), 272 S 2d, Philadelphia, Pa.
Patterson-Sargent Co. (Paint), Cleveland, O.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Phoenix Paint & Varnish Co. (Marbleite), 124 Market, Philadelphia, Pa.
RINALD BROS. (Porcelain, etc.), 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Schlegel, Oscar, Mfg. Co., 111 E 12th, New York
Smith, Edw. & Co., 141 B'way, New York
Sovereign, C. E. Co. (Rockford Top Dressing), Rockford, Ill.
Thompson, Thos. C. (Vitrifiable), Wilmette, Ill.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end
Toch Bros., 320 5th av, New York of book)
U. S. GUTTA PERCHA PAINT CO. ("Chinaline" for Interior Finish), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Walsworth-Howland Co., Carpenter & Fulton, Chicago, Ill.
Wadsworth, Howland & Co., 84 Wash'n, Boston, Mass.
Waterall, Wm. & Co., 200 N 4th, Phila., Pa.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co., Reading, Pa.

Enamels (Air Drying)

Arnstein, Eugene, 35th & Shields av, Chicago, Ill.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
National Cement & Rubber Mfg. Co. (& Air Drying), Toledo, O.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Works, 29 B'way, New York
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO., 1230 Dudley, Provdence, R. I. (See adv. index, end of book)

Enamels (Aluminum)

American Enamel Co., Providence, R. I.
Arnstein, Eugene, 35th & Shields av, Chicago, Ill.
Cullen, F. C. & Co. ("Peerless"), 704 W Lake, Chicago, Ill.
Detroit Stove Polish Co., Detroit, Mich.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gerstendorfer Bros. ("Sapolin"), 231 E 42d, New York
Hommel, O., Co., Pittsburg, Pa.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.

Enamels (Baking)

American Enamel Co., Providence, R. I.
Arnstein, Eugene, 35th & Shields av, Chicago, Ill.
Canton Paint & Varnish Co., Canton, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
National Cement & Rubber Mfg. Co. (Air Drying), Toledo, O.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Smith Paint & Varnish Co., 329 Chestnut, Milwaukee, Wis.
Standard Varnish Works, 29 B'way, New York
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end
Wilhelm, A. Co., Reading, Pa. of book)

Enamels (Bath Tub)

Acme White Lead & Color Works, Detroit, Mich.
Arnstein, Eugene, 35th & Shields av, Chicago, Ill.
Behlen, Herman & Bro., 5 N William, New York
Burdsal, A. Co., 102 S. Meridan, Indianapolis.
Canton Paint & Varnish Co., Canton, O. Ind.
Cullen, F. C. & Co. ("Peerless" Aluminum), 704 W Lake, Chicago, Ill.
Devoe, F. W. & C. T. Raynolds Co. cor Fulton & William, New York
Ernecke & Salmstein, 631 N Halsted, Chicago, Ill.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Lucas, John & Co., 322 Race, Phila., Pa.
McLennan Paint Co. (Ltd.), 175-195, Rano, Buffalo, N. Y.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Wilhelm, A. Co., Reading, Pa.

Enamels (Brewers')

Acme White Lead & Color Works, Detroit, Mich.
American Bitumastic Enamel Co., 311 Walnut, Phila., Pa.
Canton Paint & Varnish Co., Canton, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)

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Hamrick Tank & Barrel Hard Shell Enameling Co., 5831 Wissahickon av., Phila., Pa.
Lucas, John & Co., 322 Race, Phila., Pa.
Nubian Paint & Varnish Co., 51st & Bloomingdale avs, Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
U. S. GUTTA PERCHA PAINT CO., 1230 Dudley, Providence, R. I. (See adv. index, end of book)
Wilhelm, A. Co., Reading, Pa.

*Enamels for Tiling, Concrete & Plaster

FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)

Enamels (Gold, Washable)

FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Gerstendorfer Bros., 231 E 42d, New York

Enamels (Iron)

American Bitumastic Enamel Co., 311 Walnut, Phila., Pa.
American Enamel Co., Providence, R. I.
Canton Paint & Varnish Co., Canton, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Otley Mfg. Co. ("Eureka," Heat Proof for Locomotive Stacks & Boiler Fronts, etc.), 355 N. Winchester av., Chicago, Ill.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO. ("Rice's" Oxidised Machine Enamel), 12-30 Dudley, Providence, R. I. (See adv. index, Wilhelm, A. Co., Reading, Pa. end of book)

*Enamels (Meter)

PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora" for Gas & Water Meters), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)

*Enamels (Porcelain)

RINALD BROS., 1142 N. Hancock, Philadelphia, Pa. (See adv. index, end of book)

Enamels (Radiator)

(See also Enamels)

Acme White Lead & Color Works, Detroit, Mich.
American Enamel Co., Providence, R. I.
Arnstein, Eugene, 35th & Shields av., Chicago, Ill.
Cullen, F. C. & Co. ("Peerless" Aluminum), 704 W Lake, Chicago, Ill.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Gerstendorfer Bros., 231 E 42d, New York
Harrison Bros. & Co. (Inc.), 35th & Grays Ferry bldg, Phila., Pa.
Lucas, John & Co., 322 Race, Philadelphia, Pa.
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Wilhelm, A. Co., Reading, Pa.

Enamels (Storage Battery)

Sonneborn, L., Sons (Inc.), 262 Pearl, New York

Enamels (Stove Pipe)

American Enamel Co., Providence, R. I.
Chicago Wood Finishing Co. ("Elston"), 261 Elston av, Chicago, Ill.
Crosby & Co. ("6-5-4"), Detroit, Mich.
Engel, Jno. & Co., 137 W B'way, New York
Gerstendorfer Bros., 231 E 42d, New York
Harrison Bros. & Co. (Inc.), 35th & Grays Ferry bldg, Phila., Pa.
Rath Mfg. Co. ("Pipe Dream"), Hedley & Richman, Phila, Pa.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Wilhelm, A. Co., Reading, Pa.

Ends (Bolt)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Central City Bolt Co., Syracuse, N. Y.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Graham Nut Co., W. Carson nr. Point Bridge, Pittsburg, Pa
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hoopes & Townsend Co., 1330 Buttonwood, Hubbard & Co., Pittsburg, Pa. Phila., Pa.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton road, S. W., Cleveland, O.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. So., Milton, Mich.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penn Iron Co., Lancaster, Pa.
Pittsburg Mfg. Co., 28th & R. R., Pittsburg, Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick Bldg. Annex, Pittsburg, Pa.
Rhode Island Tool Co. (With Square Nut), Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Energine

Energine Refining Co. (A Fuel for Automobiles, Gasoline Engines, Naphtha Launches, etc.), Cleveland, Ohio

Engine Governors (Steam)

(See Governors, Steam Engine)

Engine Indicators (Steam)

(See Indicators, Steam Engine)

Engine Shields & Guards

Strandwitz & Scott, Delaware av & Cooper, Camden, N. J.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Engine Starters (Automobile)

Auto Improvement Co. ("Ever Ready"), 304 Hudson, New York
Ball, F. H. & F. O., Boundbrook, N. J.
Lanterman, W., Kokomo, Ind.
Lock Switch Mfg. Co., 20 Broad, New York
Precision Appliance Co. ("Hill" Automatic, for Gasoline Automobiles), 840 Austin av, Chicago, Ill.

Engine Stops (Speed Limit)

Consolidated Engine Stop Co. ("Monarch," "Corliss," "Columbia"), 114 E 28th, New York
Ford, Thos. P. Co., 407 Broome, New York
Locke Regulator Co. (Automatic), Salem, Mass.
Moline Tool Co. ("Barclay"), Moline, Ill.
STRONG, CARLISLE & HAMMOND Co., 336 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)
Wright, J. K., 136 Liberty, New York

Engine & Boiler Combined

American Iron Works, Des Moines, Ia.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Atlas Engine Works, 19th & Martindale av, Indianapolis, Ind.
Byers, John F. Machine Co., Ravenna, O.
Campbell, Wm. & Co., 6th & B'way, Cambridge, Comstock Mfg. Co., Comstock, Mich. Mass.
DONEGAN & SWIFT (Gasoline, Self Contained), 6 Murray, New York. (See adv. index, end of book)
Enterprise Mfg. Co., Columbiana, O.
Erie Pump & Engine Co. (Side & Center Crank), Erie, Pa.
Farquhar, A. B. Co., York, Pa.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Frick Co., Waynesboro, Pa.
Geiser Mfg. Co., Waynesboro, Pa.
LAMBERT HOISTING ENGINE CO., Main Office & Works: 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Murray Iron Works Co. (Vertical), Burlington, Ia.
Orr & Sembower, Reading, Pa.
Roots, P. H. & F. M., Co., Connersville, Ind.
Salem Iron Works, Salem, N. C.

Engine & Boiler Supplies

(See Engineers' Supplies)

Engineering Schools & Colleges

ALABAMA.

AUBURN—Alabama Polytechnic Institute
TUSKEGEE—Tuskegee Normal & Industrial School
UNIVERSITY—University of Alabama

ARKANSAS.

FAYETTEVILLE—Arkansas Industrial University of Arkansas University

CALIFORNIA.

BERKELEY—University of California.
PALO ALTO—Leland Stanford, Jr., University
SAN FRANCISCO—School of Practical Mining. Civil, Mechanical, Electrical Engineering. 933 Market
Sogswell Polytechnic College, 26th & Folsom
Van der Naillen's School of Engineering. 113 Fulton

COLORADO.

BOULDER—Colorado State University
FORT COLLINS—Colorado State Agricultural College
GOLDEN—State School of Mines

CONNECTICUT.

NEW HAVEN—Yale University (Sheffield Scientific)

DELAWARE.

NEWARK—Delaware College

DISTRICT OF COLUMBIA.

WASHINGTON—Corcoran Scientific School of Columbian University
Bliss School of Electricity

FLORIDA.

LAKE CITY—University of Florida

GEORGIA.

ATHENS—University of Georgia
ATLANTA—Georgia School of Technology

ILLINOIS.

CHAMPAIGN—University of Illinois
CHICAGO—Armour Institute of Technology
Lewis Institute
EVANSTON—Northwestern University
PEORIA—Bradley Polytechnic Institute

INDIANA.

INDIANAPOLIS—Winona Technical Institute
LAFAYETTE—Purdue University
NOTRE DAME—University of Notre Dame
RICHMOND—Earlham College
TERRA HAUTE—Rose Polytechnic Institute
VALPARAISO—Valparaiso College

IOWA.

AMES—Iowa State College
IOWA CITY—University of Iowa
MOUNT VERNON—Cornell College

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KANSAS.

LAWRENCE—University of Kansas
MANHATTAN—Kansas Agricultural College
WICHITA—Friends University

KENTUCKY.

LEXINGTON—Kentucky University
State College of Kentucky

LOUISIANA.

NEW ORLEANS—Tulane University of Louisiana

MAINE.

ORONO—University of Maine
WATERVILLE—Colby University

MARYLAND.

ANNAPOLIS—St. John's College
COLLEGE PARK—Maryland Agricultural College

MASSACHUSETTS.

AMHERST—Mass. Agricultural College
BOSTON—Mass. Institute of Technology
CAMBRIDGE—Harvard University (Lawrence Scientific)
COLLEGE HILL—Tufts College
WORCESTER—Worcester Polytechnic Institute

MICHIGAN.

AGRICULTURAL COLLEGE—Michigan State Agricultural College
ANN ARBOR—University of Michigan
COMSTOCK—Comstock Mfg. Co.
HOUGHTON—Michigan College of Mines

MINNESOTA.

MINNEAPOLIS—University of Minnesota

MISSISSIPPI.

AGRICULTURAL COLLEGE—Miss. Agricultural & Mechanical College

MISSOURI.

ROLLA—Missouri School of Mines and Metallurgy
ST. LOUIS—Washington University

MONTANA.

BOZEMAN—Montana College of Agriculture & Arts

NEBRASKA.

LINCOLN—University of Nebraska

NEVADA.

RENO—Nevada State University

NEW HAMPSHIRE.

HANOVER—Dartmouth College (Prof. Robt. Fletcher, Director)

NEW JERSEY.

HOBOKEN—Stevens Institute of Technology
NEWARK—Indicator Instruction Co. (A. C. Lippincott, Mgr.)
Newark Technical School
NEW BRUNSWICK—Rutger's College
PRINCETON—Princeton University

NEW MEXICO.

SOCORRO—New Mexico School of Mines

NEW YORK.

ITHACA—Cornell University

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Polytechnic Institute of Brooklyn
Pratt Institute, 215 Ryerson

Boroughs of Manhattan & Bronx.

NEW YORK—Columbia University, W. 116th, nr Amsterdam av
Cooper Union, Cooper sq
Manhattan College, 131st & Broadway
New York University, University Heights

(End of New York City)

POTSDAM—Clarkson School of Technology
SCHENECTADY—Union College
SYRACUSE—Syracuse University
TROY—Rennselaer Polytechnic Institute

NORTH CAROLINA.

CHAPEL HILL—University of North Carolina
MOUNT PLEASANT—N. C. College of Agriculture & Mechanical Arts

NORTH DAKOTA.

GRAND FORKS—University of North Dakota

OHIO.

ADA—Ada College of Engineering
CINCINNATI—University of Cincinnati
CLEVELAND—Case School of Applied Science
COLUMBUS—Ohio State University
GRANVILLE—Denison University

OKLAHOMA

STILLWATER—Oklahoma Agricultural & Mechanical College

OREGON.

CORVALLIS—Oregon State Agricultural College

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REDWOOD CITY—Cloud, Joseph
SACRAMENTO—Boyd, Jos. C. (City), Court House
Browning, C., Jr. (C. E.), 2107 22d
Goldwaite, E. W., 312 O
Graves, T. W., 312 O
Jenkins & Wells, 33d c Magnolia av
Marshall, U. S., 312 O
Naylor, R. W. (Consulting & M. E.), 209 J
Pierson, J. C. (city), 326 J
SALINAS—Davies, D. F.
Garver, J. H.
SAN BERNARDINO—Fickle, F. C. D.
Koebig, A. H.
Pope, J. B.
SAN DIEGO—Capps, E. M.
Jenks, Arthur W. (Mining, Metallurgist)
SAN FRANCISCO—*Abner Doble Co. (Consulting), 200 Fremont
Adams, W. J. (Mining), 71 Parnassus av
Alberger, W. C. (Consulting C. E.), 1203 Devisadero
American-Hawaiian Engineering & Construction Co. (M. E.), Rialto bldg
American-Pacific Construction Co. (Civil Contracting), 7th & Townsend
Baker, Frank J. (Also Hydraulic, etc.), 604 Mission
Bandman & Adams (Mining), Monadnock blk
Barker & Little (Consulting), Marston bldg
Benson, J. A., 636 Market
Blood, H. H. (mining), 1103 O'Farrell
Boss, Martin P. (mining), 2310 Devisadero
Bradley, F. W. (mining), Crocker Bldg.
Breite, W. W. (Civil, Structural Consulting), 925 Golden Gate av
Bosqui, Francis, Mill bldg
Burch, Albert (Mining), Crocker bldg
California Hydraulic Engineering & Supply Co. (also hydraulic, etc.), 305 Market
Chadwick & Sykes (C. E.), 500 Golden Gate
Cheyney, Samuel W. (mining), 237 1st av
Christie, Robt., (M. E.), 193 Fremont
Compressed Air Machinery Co. (M. E.), Jessie & Ecker
Consumers' Electric Ass'n (M. E.), 917 Webster
Cooper, Wm. A., 146 Belvedere
Cory, Clarence L. (Consulting), Union Trust bldg
Couchot, Maurice C. & Thurston (Consulting, Mining & M. E.), 604 Mission
Crawford, John J. (mining), 1424 Gough
Crosscup, I. Oscar (M. E.), 1343 McAllister
Daniels & Dillman (C. E. & M. E.), Monadnock blk
Davol, George K. (M. E.), 515 Market
*Dickie, George W. & James (C. E., marine), 34 Stewart
Donegan & Brady (C. E., Surveyor), Flood bldg
Dow, George E. Pumping Engine Co. (hydraulic, etc.), 179 1st
Duryea, Edwin, Jr. (Consulting), 1368 Geary
*Eckart, W. R. (consulting), 3014 Clay
Evans, C. H. & Co. (M. E.), 109 Fremont
Fairchild, George H. (M. E.), 1221 Page
Feiermuth & Price (C. E.), Crocker bldg
Fulton Iron Works (M. E.), 511 Market
Globe Engineering Co. (mining), 1937 Market
Gould & Curry Co. (mining & M. E.), 329 Bush
Grannis, Mason Engineering Co. (M. E.), 729 Polk
Gray, J. A. Co. (M. E.), 18th & Bryant
Grimwood, Charles P. & Co. (C. & M. E.), Monadnock Bldg.
Hall, Leon M. (consulting), Kohl Bldg.
Hammond, J. & Co. (M. E.), 7th & King
Hancock G. M. (M. E.), 604 Mission
Harrelson, Grau Co. (M. E.), Union Trust bldg
Haslehurst, W. W. (M. E.), 2122 Folsom
Heald's Business College (Mining), 425 McAllister
Heller, M. J. & Wilson (Consult'g), 15 2d
Henry, G. J., Jr. (M. E.), 19th & Harrison
Henshaw, Bulkley & Co. (C. E. & M.), 219
Hilpisch Carl, 4104 16th Spear
Hindes, Stetson G. (M. E.), Monadnock Bldg.
Holman, Wm. L. & Co. (M. E.), 18th & Indians
Holmes, George L. (Consulting), 1st & Folsom
Holmes, Howard C. (consulting), Ferry Bldg.
Hopps, J. H. (consulting & M. E.)) 517 Market
Hough, E. & E. (Consulting & Marine Surveyor), Merchants Exch bldg
*Hunt, Dillman, Meredith & Allen (Inc.) (Hydraulic, M. E., etc.), Union Trust
Hunt, Mirk & Co. (M. E.), 153 2d bldg
Jackson, Byron Machine Works (Hydraulic, etc.), 61 Fremont
Janin & Smith (Consulting & Mining), Kohl bldg
Leland, W. E. (Consulting, Mechanical, Power Heating & Ventilating), Merchants Exchange bldg
Leonard, John B., Monadnock Bldg.
Libby, M. M. (C. E.), 1647 Page
Livermore, N. B. & Co. (also hydraulic, etc.), 604 Mission
Long & Hoyt Co., Inc. (C. & M. E.) Monadnock bldg
Ludlow, Jas. T. (M. E.), 604 Mission
McMeer & Miller (Consulting), 780 Market
Mackenzie, John H. (Mining), Crocker
Miller, Oscar P., 1027 Page bldg
Milliken Bros., 509 Eddy
Moore, Chas. C. & Co. (Mining), 63 1st
*Moore & Scott, 638 2d
Morrin, Thomas (Consulting, Mechanical, Power Heating & Ventilating), 15 2d
Morser, E. J. Co. (C. E. & Surveyors), Monadnock blk
Noble, Patrick (Consulting), 17 & Mississippi
North Machine Co. (M. E.), 324 Main
Noyes, Wm. S. (Mining), Mills bldg
Orton, C. K. Machine Co. (M. E.), 315 Fremont
O'Shaughnessy, M. M. (Consulting, Mining, Hydraulic, etc.), 604 Mission
Ough, Jos. M. (Consulting), 110 Sutter
Paul, A. B. (Mining), 410 Kearney
Pelton Water Wheel Co. (Hydraulic, etc.), 19th & Harrison
Pidge, W. C. (C. E.), 505 G. G. av
Price, Thos. & Son (Mining), 2503 B'way
Radford W. H. (Mining), 2360 Broadway
Ralston, Wm. C. (Mining), 511 Market
Ransom, T. W. (Consulting), Merchants Exch bldg
Risdon Iron Works (M. E.), Steurt & Folsom
Root, G. J. (Mining), 1260 O'Farrel
Schorr, Robert (M. E.), 61 Fremont
Small, H. J. (M. E.), Flood bldg
Smith, Frank E. & Co. (Consulting), 418 Eugenia av
Stable, J. F. H. (Surveyor), 2918 Clay
Stebbins, Elwyn W. (Mining), Mills bldg
Stevens W. A. (Mining), Merchants Exch bldg
Stewart, Wm. H. (Consulting), 216 California
*Stut, J. C. H. (Consulting M. E.), 417 Montgomery
Sutton, J. G. & Co. (M. E.), 229 Minna
Symmes, Whitman (Consulting), Monadnock bldg
Tucker, E. W. & Co. (M. E.), 215 Spear
Turner, H. W. (Mining), 502 California
Union Iron Works Co. (Mining), Flood bldg
Union Machine Co. (M. E.), 934 Brannan
Von Geldern, Otto, 1978 B'way
Wellington, Geo. J. (C. E.), Kohl bldg
Western Engineering & Construction Co. (M. E.), Monadnock blk
Wieland, C. F. (Consulting M. E.), 704 Market
Willberg, Ernest N. (Surveyor), 2715 Pine
Williams Bros. (M. E.), Monadnock bldg
Wilson, C. C. (M. E.), 22 1st
Wiltsee, Ernest A. (Mining), Monadnock blk
Wolfrom, F. D. (M. E.), 1849 Jackson
Woodruff Co., The (C. E. & M. E.), Pine & Leidesdorff
Wright, Wm. Q. (Mining), 604 Mission
Yard, H. H. (Mining), 1380 Sutter
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Cornish, Harry L. (Mining), P. O. Box 634
Fisher, H. B., 17 S 1st
Herman Bros., Martin's blk
McMillan & Piper (County), Court House
Salmsevain, Paul C., 250 Marliere
SAN LUIS OBISPO—Story, Geo.
SAN RAFAEL—Richardson, Geo. L.
SANTA ANA—Finley, S. H. (also Hydraulic, Steward, V. L. (City & M. E.) etc.)
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Harrington, J. R.
Poett, A.
SANTA CLARA—Moore, C. E.
SANTA CRUZ—Wanser, Horace
SANTA MONICA—James, Thos. A.
SANTA PAULA—Orcutt, W. W. (also Hydraulic, etc.), Hardware bldg
SANTA ROSA—Davis, P. R.
SILVERTON—Hunt, Ellery W (C. E., Mining)
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Marx, G. R. (M. E.) (M. E.)
STOCKTON—Atherton, Geo. A., Court House
Compton, H. T., 232 Main
SUSANVILLE—Ward, T.
TULARE—Barber, Emmet
UKIAH—Rice & Baltzell
Von Allen, William
VENTURA—Hare, R. T.
Isham, M. E. Laurel
VISALIA—Fowler, A. T.
Smith, C. D.
WATSONVILLE—Lewis, J.
WEAVERVILLE—Lowden, W.
WHITTIER—Maxsom, G. W.

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Paxton, Joseph (M. E.)
Wilcox, H. A.
BOULDER—Armstrong, F. C. (C. E. & Mining)
Chase & Hall (Mining)
Teal, Geo. W. (Mining & Consulting)
BRECKENRIDGE—Cramer, Fred. O.
McDonald, W. H.
Rickseker, L. E.
Smyth, N. V. V.
Tuttle, E. C. (C. E.)
Whipple, S. C.
CAMP BIRD—Wolf, Harris J. (Mining)
CANYON CITY—Mitton, Chas. L.
Smythe, W. R. (C. E.)
CENTRAL CITY—Lowe, Henry P.
Peregrine, J. D.
Rank, S. A. (Mining & Surveyor)
Rickard, Forbes
Schneider, Geo. W.
Todd, L. C. (Mining)
COLORADO SPRINGS—Case, E. W. (C. E.)
Devereux, H. K. (Mining), Mining Ex. Bldg
Dickerman, A. L., Dickerman bldg
Doble, Robt. M. (Consulting)
Hewitt, G. C. (Mining)
Hills, Fred., 21 E Bijou
Mollie Gibson Con. M. & M. Co. (M. E.), P O Box 668
*Palmer, C. E., Hagerman bldg
Reid, H. I. (Hydraulic, etc.)
Riebling, H. F. A. (Metallurgist)
Ritter, Etienna A. (Mining)
Sawyer & Garstin (Mining & C. E.), 113 E
Smit, E., 33 Hagerman Pike's Peak
Warner, A. B. (Div. Eng., C. R. I. & P.)
Woodside, W. P., 41 Hagerman bldg
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Arnold, R. R. (Mining), 351 E Bennett
Arthur, Edward P., Jr. (Mining), Old Mining
Brewster, J. K., Jr., 304 M Exch. bldg
Colwell, Alfred B., 27 Mining Exch. bldg
Countryman & Jaquith (Mining), 445 E Bennett
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Fink, F. W., 27 Roseberry Exch. bldg
Finn, Oliver B., 371 Ben
Haff, Edward L., Mining Exch. bldg
Harris, Wm & Crosley (Mining), Mining Exch. bldg
Hills & Willis, Mining Exch. bldg
Jones & Arnold, Neall bldg
Kennedy & Arnold, 111 N 3d
Luckraft, 445 Bennett
Miller, E. E., 105 E Carr
Moore, Chas. J., 60 Welty
Osborne, Arthur H., 105 Carr
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Strickland & Von Phul
Toll, R. H. (Mining)
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*Baker, Frank D. (Consulting), 506 Boston bldg
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Boehmer Max (& Mining), Jacobson bldg
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Chase, Edwin B. (Mining), Equitable bldg
Chauvenet, Regis (Mining), Equitable bldg
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Colvin, C. K. (Mining), 1751 Humboldt
Comstock, C. W. (Mining), Boston bldg
Cory, R. J. (Mining M. E.), Equitable bldg
Curtis, Loren B. (C. E., Hydraulic), Commonwealth bldg
*Davis, Wm. C. (Mgr., F. M. Davis, Jr., Iron Works Co.), 8th & Lorimer
Deems, Chas. W. (Mining), 205 E. 20th
Denver Engineering Work Co. (Mining, Consulting & M. E.), Blake c 30th
Doble, Robert McF. (Consulting), Majestic bldg
Door, John V. N. (Mining), Bank bldg

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Duncan, Lindsay (Mining, C. E.), 1935
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*Elrfeldt, Chas. M. (Engr. in Charge), Equitable bldg
Farish, Geo. E. (Mining), 835 Logan av
Farish, J. B. (Mining), Cooper bldg
Farish, Wm. A. (Mining), 2112 E. 17th
Finch, J. W. (Mining), Jacobson bldg
Foreman, D. H., 1540 Ogden
Foster, Ernest Le Neve (Mining), Masonic Temple
Frenzel, A. B. (Consulting), Equitable bldg
Fuetter, C. M. (Mining), 1750 Calif
Gibson, Geo. W. (Mining), McPhee bldg
Godshall, L. D. (Mining), 1671 Fillmore
Graves, Abner (Mining), Bank bldg
Hardinge, H. W. (Mining), Crammer bldg
Hewitt, Carstarphen Co. (Consulting), 221 McPhee bldg
Hewitt, E. A. (Mining), 1132 15th
Holman, J. W. (Mining), 231 Cooper bldg
Hills & Willis (Mining), McPhee bldg
Lakes, Arthur (Mining), Barth blk
Lamont, Eugene M. (Consulting Mining), 568 Clarkson
Lowe, Henry P. (Mining), Equitable bldg
Lund, P. H. (Mining), Temple Court
McConne, D. J. (C. E.), Majestic bldg
McClurg, J. A. (mining), Majestic Bldg.
McCune, A. J. (C. E.), Commonwealth Bldg.
McFadden, Geo. B. (mining), 1543 Champa
McNeil, John (mining), Equitable Bldg.
Marks, J. H. (C. E.), 535 Barclay Blk.
Mathes Auguste (mining), Cooper Bldg.
May, John G. (Mining), Cooper bldg
Miller, David G. (mining), Equitable Bldg.
Milliken, W. B. (Mining), McPhee bldg
Milner, T. J. (C. E.), Majestic Bldg.
Minard, F. H. (mining), Equitable Bldg.
Moore, Charles J. (mining), Kittredge Bldg.
Morley, F. H. (mining), McPhee Bldg.
Noble L. S. (mining), Equitable Bldg.
Ober, G. F. (mining), 306 Exchange Bldg.
O'Brian, Peter (Consulting), Nassau bldg
Odenheimer, John M., Railroad Bldg.
Olsen-Kinnear Electric Co. (Elec. & M. E.), 1635 Champa
Page, Wm. Byrd (mining), Equitable Bldg.
Parker, R. A. (mining), Boston Bldg.
Patterson, G. Hutton (mining), 232 S. 14th
Patrick C. G. (C. E.), Commonwealth Bldg.
Peck, Ira F. (mining), Kittredge Bldg.
Peck, Wm. A. (mining & C. E.), 1643 Champa
Plate, H. R. (mining), Majestic Bldg.
Richard, Forbes (mining), Equitable Bldg.
Rocky Mountain Exploitation Co. (mining), 1726 Broadway
Rogers, E. L., 1643 Champa
Rollandet, G. J. (M. E.), Jacobson Bldg.
Rule, W. M. (mining), 1165 Evans
Sault, S. C. (C. E.), 1529 S. Emerson
Schwartz, Theo. E. (consulting & mining), Colorado Bldg.
Searing, L. (Consulting, Mining & M. E.), 30th c Blake
Scobey, Jesse (Mining), 3224 Colfax av. "B"
Sebben, Edw. W. (Mining), Commonwealth bldg
Sethman, George H. (M. E.), Kittredge bldg
Snedaker, James A. (mining), Equitable Bldg.
Snell, E. S. (consulting & C. E.), Barclay Blk.
*Stearns-Roger Mfg. Co. (Consulting M. E.), 1724 California
Thorne, W. E. (hydraulic & mining), McPhee Bldg.
Tyler, Sydney W. (mining), Exchange Bldg.
Ulrich, J. C. (Consulting), Hydraulic, etc.), 210 W 2d av
Van Cortlandt, E. N. (mining), Cooper Bldg.
Vandemoer, John (mining), 1230 Ogden
Vickery & Foster (C. E. & surveyors), 220 Mack Blk.
Warwick, A. W. (mining), 208 McPhee Bldg.
Welles, A. M. (civil & mining), Equitable Bldg.
Western Engineering Co., Jackson Bldg.
Wilkes, Gilbert & Co. (consulting M. E.), 435 17th
*Wilkinson, Thos. L. (mining), Boston Bldg.
Wilson, Nat., 979 Broadway
Wolf, Harry J. (Mining), 1574 Steele
Wrigley, R. F. (Mining), Mack bldg
Yont, C. A. (M. E.), 1412 Delgany
Young, R. E. (C. E.), Mercantile Bldg.

DURANGO—Burwell, Blair
Harper & Harper
Jones, Finney
Tiffany, J. E. (mining)

FLORENCE—McFall, A. B.

FORT COLLINS—*Lawrence, J. W. (M. E. & C. E.)
McAnelly, E. C.
Rist, Wm.

GEORGETOWN—Marsh, George B.
Morris, Chas. H.

GLENWOOD SPRINGS—Rosenberg, Theo.
Trumbor, W. H.

GRAND JUNCTION—Haskell, Chas. W.

GREELEY—Baker & Walter
Stimson, L. L.
Walters, R. T.

GUNNISON—Alkire, O. H.
Doffemyer, J. A.

IDAHO SPRINGS—Stephens & Barbour
Underhill, James
Ventress, A. J.
Wiley, W. H.

LA JUNTA—Lewis, F. T.

LAS ANIMAS—Beach, C. W.
Beach, Frank

LEADVILLE—Boehmer, Max, 501 Harrison av
Holland, Geo., Union blk
Jaycox, T. W., 8 Chicago blk
McNair, F. J., Quincy blk
Platt, Howard, 431 Harr
Smith, W. L. G., Chicago blk
Thielen, Alfred, 19 Boston

LONGMONT—Calkins, C. C.

MONTROSE—Sawyer, E. B.
Winters, J. C.

OURAY—Biddlecom, F. L.
Russell, H. H.
Whinnerah, Richard

PUEBLO—Hathaway, E. W., 109 New Pope
Helander, A. H. (mining), 306 Jackson
Knight, C. G., 401 Central
McKennan, J. B. (mining), 2 Pitkin pl.

SALIDA—Spray, S. J.

SILVERTON—Dyson, James
Hollis, R. W.
Holt, M. B.
Hunt, E. W.
Trippe, T. M.

TELLURIDE—Gibbs & Greenwood
Gilkerson, H. G.
Holland, L. F. S. (Mining)
Lay, H. C.
Litchfield, A. B.
Townsend, Arthur R. (mining)

TRINIDAD—Knickerbocker, C. H.

VICTOR—Bodfish & Atherton, 11 Doyle blk
Davis & Byler, Bank
Sharp, Chas.
Worcester, S. A. (Consulting M. E.)

CONNECTICUT.

ANSONIA—Bowen, David D. (M. E.), Farrel Foundry
Schumaker, J. S. (M. E.), 81 High
Wheeler, Joel M. (& M. E.), 83 N Cliff

BERLIN—Bradley, Dan'l B.
Greenwood, A. H.
Sage, Geo. H.
Stearns, Elmer W.

BLOOMFIELD—Duncan, Edgar T.

BRANFORD—*Hammer, Alfred E. (Supt., Malleable Iron Fittings Co.)

BRIDGEPORT—Bullard, D. B. & E. P. (M. E.), 525 Broad
Leach, W. H., Jr. (M. E.), 355 Noble av
McKenna, Maurice F. (City), 202 State
Palmer, Wm. B., 1022 Main
Riker, A. L. (M. E.), 1416 Fairfield av.
Scofield & Ford, 946 Main
Smith, F. W., Jr. (M. E. & Patent Expert), 136 Fairfield av.
Starr, Wm. H. (& surveyor), 211 State
*Webster, Wm. R., Jr. (Dept. Supt. Bridgeport Brass Co.), Crescent av., Junc. Willard
BRISTOL—McLean, George H.
McLean, Geo. H.

CLINTON—Weaver, Halsey A.

COLCHESTER—Williams, Danl T.

DANBURY—Bacon, John W.
Brown, Charles O.
*Burchard, Anson W., 368 Main
Pearce, C. E.

DANIELSON—Nichols, C. H.
Pike, William K.

DERBY—*Brewster, Frank H. (Supt. & Eng'r. Birmingham Iron Foundry)
Brinsmade, Daniel S. (C. E. Hydraulic)
Eckhart, M. E.
Huson, W. S., 12 Cottage
Johnson, George A., 90 Main
Smith, G. E.

EAST BERLIN—Benson, O. (C. & M. E.)
*Jarvis, Chas. M. (Vice Pres. American Bridge Co.

EAST HARTFORD—Olmsted, C. Henry

FARMINGTON—Potter, Danl. C.
Wadsworth, A. R.

GREENWICH—Gregory, J. Louis
Minor, Sheldon E.
Peck, Leon F.
Rungee, Edw. J.

HARTFORD—*Allen, Francis B. (Second Vice Pres., Hartford Steam Boiler Ins. & Insp. Co.)
Allen, Julian S., 853 Prospect av
Ayres, Henry W. (Hydraulic), 66 State
Belden, Clifford H. (C. E.), 217 Laurel
*Billings, Chas. E. (M. E.), 142 Russ
Bond, Geo. M. (& M. E.), 141 Wash'n
Buck, Henry R., 36 Pearl
Bunce, Chas. H., 902 Main
Burt, Luther W., 39 Pearl
Bush, Edw. W., 650 Main
Clark, Herbert G., 800 Main
Clark, Roscoe N. (C. E. Dept. of Sewers)
Claussen, Ed. E. (M. E.), 904 Main
Cole, Clinton L. (Consulting C. E.), 650 Main
Cook, Asa S. Co. (M. E.), Colt's Armory
Corson, Wm. R. (Consulting), 36 Pearl
Desjardins, B. M. (Consulting M. E. & Patents), 920 Main
Ehbets, C. J. (M. E. Patent Expert), 14 Vernon
Evarts Machine Co. (M. E.), 14 Hicks
Ford, Fredk. L. (City), 800 Main
Graves, Edwin D. (Consulting), 650 Main
Hanson, B. M. W. (M. E.), 1 Flow
Henderson, John T., 650 Main
*Honiss, W. H. (M. E. & Patent Expert), 315 Pearl
Johnson, F. G. Co. (Inc.) (M. E.), 172 Pearl
*Johnson, Wm. D. (C. E., Architect), 26 State
*Jones, Horace K. (Mechanical Supt, Corbin Screw Corporation), 35 Spring
Lee, Harry K. (Consulting & Contracting M. E.), 225 State
Libby & Blinn (Consulting), 164 State
Loomis, Frank W. (Surveyor), 280½ Laurel
*Lorenz, Wm. A., 315 Pearl
*Luther, Flavel S. (Pres. Trinity College)
Merritt, Joseph (M. E.), 315 Pearl
Mortson, Geo. (M. E.), 904 Main
*Murphy, Edw. J. (Consulting, Hartford Steam Boiler Ins. & Insp. Co.), 650 Main
National Machine Co. (M. E. & Special Machinery), 135 Sheldon
New England Engineering Co., 7 Haynes
Pickering, W. H. & Co. (M. E.), 110 Commerce
Roach, Christopher J. (M. E.), 49 Pearl
*Souther, Henry Engineering Corp., (Consulting, Hydraulic, etc.), 440 Capitol
Spencer & Washburn, 80 Pearl
Sponsel, Chas. W. (Consulting, C. E. & M. E), 36 Pearl
Stone, E. M., 49 Pearl
Veeder, Curtis H. (M. E.), 20 Sargent
*Wolcott, Henry A., 49 Pearl

LAKEVILLE—Pettee, Wm. E.

MERIDEN—Clark, W. S. (City & Surveyor)
Lane, John S.
Pierson, S. C. (& Surveyor)

MIDDLETOWN—Augur, E. P. (City & Surveyor)
Bishop, Geo. (all Hydraulic, etc.), 129 Main
Blatchley, C. H. (Consulting, Mill & Structural Steel Building & Bridges)
Wilcox, Ralph M. (City & Surveyor)

MILFORD—Clark, Vincent B.

NAUGATUCK—Ham, Geo. C. (& Surveyor)

NEW BRITAIN—Brown, R. S. (C. E. & M. E.), 41 Emmons pl
*Burgess, Chas. M., 358 W. Main
Cadwell, Wm. H. (C. E., Surveyor & Architect), 213 Main
Chase, Chas. F. (Berlin Construction Co.)
Hart, H. S. (M. E.), R. & E. Mfg. Co.,
Oldershaw, F. H. (City) 48 Park pl
Penfield, Geo. W. (Sewer Commissioner), 213 Main
Slater, Frank (Consulting)
Stanley, A. W. (M. E.), Stanley Quarter
Unkelbach, M. J.

NEW HARTFORD—Smith, Robert R.

NEW HAVEN—Amrhyn, G. X.
Barney, Samuel E. (Prof. C. E., Yale University)
*Bigelow, Geo. W., 98 Howe
Blair, Clarence M., 14 Gilbert av
Blatchley, Wm. J., 219 Blatchley av
Buddington, J. E. (Consulting), 840 Chapel
Burwell, Merritt W. (M. E.), 117 Woodbridge
Cahn, Alex., 82 Church ter
*Du Bois, A. J. (Prof. C. E., Yale University)
Elm City Engineering Co. (M. E.), 61 Orange
Everit, Edw. H., S. N. E. Tel. Co.
Fitton, W. H. Beech Co. (M. E.), 8 Wooster
Gladding, Henry H. (Ass't City Engineer)
Hadley, A. T. (Pres. Yale University)
Harte, Chas. R., 305 State
Hill, Albert B. (Consulting, Hydraulic, etc.), 100 Crown
Huntoon, Louis D. (Consulting), Yale University
Ingersoll, C. A. (M. E., Winchester R. A. Co.), 195 Winchester av
Jackson, J. Fred'k (C. & Construction E.) (City Hall)

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Kelly, C. W. (City), City Hall
Kelsey, D. J. (M. E.), 152 Temple
Lockwood, L. H. (M. E.) (Instr. Sheffield, Scientific School, Yale University)
Mason, W. (M. E.), Winch'ter Rep. Arms Co.
Nettleton, Edw. S. (Asst. City), City Hall
Nichols, Chas. H. (Consulting M. E), 863
Osborn, G. Edw. (M. E.) Chapel
*Richards, Chas. B. (M. E.) (Prof. Sheffield Scientific School, Yale University)
*Rowland, Amory, E. 413 Chapel
Ryder, Ely M. T. (Constructing Eng'r C. R'y Co.)
Sellers, Philip (M. E., Mills), 82 Church
Spencer, W. T. (Division Engineer), R. R. Office bldg
Sperry, A. Wm. (C. E. & Surveyor), 82 Church
Tracy, J. C. Prof. (Inst. C. E., Yale Univ.)
Verrill, G. E., 42 Church

NEW LONDON—Adams, Henry (M. E.)
Daboll & Crandall (& Surveyors)
Darrow, Courtland R., Waterford
Richards, W. H. (City), City Hall
Whiton, L. B. (M. E.), 190 Howard

NORFOLK—Brown, Edmund (Supt. & Eng. of Norfolk Water Co.)

NORWALK—Hoyt, Samuel W., Jr., (City)
Morehouse, Ferris S., 106 Wash'n, S. N.
Rider, Jos. B., 38 Fairfield av, S. N.
Wood, C. N., 91 East av N

NORWICH—Chandler & Palmer
Pitcher, Geo. E., 49 Shetucket
Plummer, Frank J. (M. E.), Am. Wood Working Machinery Co.

POMFRET—Sabin, Ralph J.

PUTNAM—Clark, Edgar

RIDGEFIELD—Seymour, W. O.

ROCKVILLE—McKnight, John T. (City)
Rockville, M. M. (M. E.)

SALISBURY—Pettee, W. E.

SOUTHINGTON—McKenzie, Theo. H. (Sanitary & Hydraulic)

SOUTH MANCHESTER—Adams, Julius L. (Chief Eng'r H. M. & R. T. Co.)
Cheney, Richard O., Jr.

SOUTH NORWALK—Hill, E. (M. E.), The Norwalk Iron Works

STAMFORD—*Emery, Albert H., 312 Main
Emery, Albert H., Jr. (M. E.), Clark's
Nash, Paul Hill av
Parsons, Harold A. (City), Stamford Savings Bank bldg
Pierce, W. B. (& Surveyor), Stamford Savings Bank bldg
Wardwell, F. S. (M. E.), 178 Atlantic

STRATFORD—Morehouse, Wm. O. (C. E.)

THOMASTON—Eddy, Chas. W.

TORRINGTON—Norton, Wendell P. (M. E.),
Shelton, W. M. P. Hendey Mach. Co.

WALLINGFORD—Davis, Henry L.
McLean, Alex. J.

WATERBURY—Cairnes, Robert A. (Hydraulic, Sanitary & City), 9 Leavenworth
Crane, Wm. E. (Consulting & M. E.), 233 Hillside av
Fitch, W. E., 373 Watertown rd
*Johnson, Edw. W. (Waterbury Brass Co.)
*Linch, Edw. P., Citizens' Bank bldg
Patton, Arthur J.
Sott, A. S. (Consulting & M. E.), Waterville
Reynolds, W. B., 136 Grand
Smith, W. G. (C. E.), 51 Leavensworth
*Thompson, Hugh L. (Consulting & Contracting, Brass & Copper Plants)
Welton & Bonnett, 77 Bank

WEST HARTFORD—Alderson, A. B. (Town Engineer)
Beach, Chas. E.
Hall, A. Clark
Johnson, Wm. E.
Peck, Ermon M.

WEST HAVEN—Forbes, H. De B.
Gagel, Edw.
Heitman, Adrian C., Jr.
Nason, Frank L. (Mining)
Palmer, G. E.

WILLIMANTIC—Card, Huber D.
Fenton, Robt. (City)
Mitchell, Robert E.

WINSTED—Bradford, G. M.
Hulbert, Robert S.

DELAWARE.

MIDDLETOWN—Burtis, H. B.

WILMINGTON—Hatton, T. C. (C. E.)
Hope & Tissell
Kimmey, Wm. A., 511 King
Price, Francis A.
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Prioleau, Philip (City)
Woodward, Roland (Consulting), Realty bldg

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TUSCALOOSA—Finnel, Wolsey (City)

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Drewry, John Foy (Consulting), Candler bldg
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Hall-Illges Co. (M. E.), Am. bldg et
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Pratt Engineering & Machine Co. (Chemical, Mining & M. E.), 88 Auburn av
Richardson-Wey Engineering Co., Equitable bldg
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Robert, Benj. F., 168 Crew
Robert, L. W. (Consulting), Empire bldg
Rogers, Ransom (& Surveyor), Empire bldg
Ruff, S. Z., Century bldg
Russell, L. O. (M. E.), Empire bldg
Solomon-Norcross Co. (Consulting), Candler bldg
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Wilkins, Grant (Consulting), 23 Whitehall
Wilson, Edward, 295 Gordon
Wilson, W. T. B. (Asst. City), City Hall

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Barksdale, R. T., 112 Macarat
Davenport, Albert H. (City), 330 Greene
Davidson, A. H., 330 Greene
Gairdner, Gordon, High n Walton Way
Goodrich, L. F., 115 8th
Reaves, D. V., 118 1st
Wingfield, Nisbet (consulting), City Hall

BRUNSWICK—Penniman, E. A.

COLUMBUS—Bolleau, Willard E. (Consulting)

DALTON—Hamilton, H. C.

MACON—Anderson, C. C., 139 Rose
Caldwell, Chas. A., Commercial Bank Bldg.
Haskell, G. O. (M. E.), McCaw Mfg. Co.
Wilcox, J. W. (City)

ROME—Walton & Wagner

SAVANNAH—Blandford, E. A., Sorrel bldg
Cunningham, Wayne (consulting), Sorrel
Howard, J. W., Police Station
Kops, J. de Bruyn, Board of Trade bldg
Thomas, E. J., Court House
Winn, W. J., Police Station

IDAHO.

BLACKFOOT—Roeder, V.

BOISE—Eagleston, C. G.
Randal, T. W., 917 Grove
Sperling & Davenport (Civil)
Stevenson, C. C., 6 Sonno blk
Tolman, Fred. A. (City)
Tompkins, C. H. J., Sherman House

HAILEY—Mandell, F. C.

KELLOGG—Easton, S. A. (mining)

MONTPELIER—Ferrier, W. F. (Consulting Mining)

MURRAY—Spalding, E. P. (mining)

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POCATELLO—Samms & Smith

SILVER CITY—Hulett, Frank

WALLACE—Anderson, G. Scott

ILLINOIS.

ALBION—Brown, Joel

ALTON—Dickson, Geo., McPike bldg
Long, T. M., 2 W 2d
Rutledge, E. E., City Hall
Swift, H. C., 2 W 2d

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Hallett, H. D.
*McClatchey, A. F. (M. E.)
Tarble, M. J.
Westmark, H. O. (M. E.), 164 S. River
*Wickhorst, Max Henry (Eng'r of Tests, C. B. & Q. R. R.)
Wilder, Geo.

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BELLEVILLE—Bosanko, A., 224 N Race
Deutschman, F. H. (City)
Graner, Louis
Harpen, H. H. (Civil)
Hilgard, G., Court House
Reiss, W. A., First Nat'l B'k bldg

BENTON—Langer, Philip

BLOOMINGTON—Bell, Arthur H. Court House
Folsom, Elmer, City Hall
Gray, Rich'd B., 806 S Bun
Keiser, Henry (M. E.)
Mellinsh, Jas. G., Unity bldg

BLUE ISLAND—Link, J.

CAIRO—Thrupp, Wm., 606 Wash'n av (City Engineer)

CANTON—Bond, Harry
Chandler, Geo. W. (City), City Hall

CARBONDALE—Richart, Fred. W. (M. E.)

CARLYLE—Johnson, Alexander

CARMI—Spencer, M. W.

CARTHAGE—Payne, George W.
Kreig, Frank (M. E.)

CENTRALIA—Roziene

CHAMPAIGN—Baker, Ira O.
Farrant, W. H. (City)
Wallace, J. D. (Consulting M. E.), 708 West Park

CHICAGO—Abbott, Cushman, 77 Jackson boul
*Abbott, Wm. L. (Ch. Operating Eng'r. Chicago Edison Co.), 139 Adams
Adams & Schwab (M. E.), 161 State
Allen, Henry A. (Consulting C. E. & M. E.), First Nat'l Bank bldg
Allyn, J. G. (Mining), 81 Clark
Alvord & Burdick (Consulting), 140 Dearborn
Amory, Eugene E., 52 Dearbo
Amstuts, Noah S., 130 Sherman
Andreesen-Evans Co., Monadnock bldg
Arnold Co. (C. E., M. E. & Constructing for Complete Electric Power Plants), 181 La Salle

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Artingstall, Samuel G., 145 La Salle
Ashley, Burton J. (Also Hydraulic, etc.), 6515 Normal av
Atkins, Chas. G. (Consulting Engineer & M. E.), 1001 Monadnock blk
Baker, S. Harlon (City), 164 Dearborn
Ball, Chas. B. (Chief Sanitary Engineer), City Hall
Banzenmacher, H. P. (M. E.), 18 W Randolph
Bates & Rogers Construction Co. (Consulting), 355 Dearborn
Bjork, August E., 138 Washington
Bjork, David T., 138 Washington
Blair, Thos. S., Jr. (M. E.), 6 Sherman
Blonck William A. (Consulting), 279 Dearborn
Borg & Ericson (M. E.), 164 Dearborn
Boutelle, Edwin C. (M. E.), 140 Dearborn
Breckinridge, W. L. (Chief Engineer, C. B. & Q. R'y), 209 Adams
Bremer, Herman H. (Surveyor), 100 Washington
*Brill, Geo. M. (Consulting), Marquette bldg
Browning Engineering Co., 277 Dearborn
Browning, Geo. (M. E.), 84 La Salle
Buckbee, J. C. Co. (M. E.), 125 Monroe
Burdick & York (M. E.), 109 Randolph
Burt, Horace G. (M. E.), 145 Van Buren
Buskirk, Theo., 125 Monroe
Byllesby, H. M. & Co. (Consulting), 125 Monroe
Caldwell, George G. (M. E.), 204 Dearborn
Carden, Wm. H. (Consulting), 164 Dearborn
Carlson, G. H. (Surveyor), 115 Dearborn
Carman & Hartman (M. E.), Railway Ex.
Carter, Byron B. (Consulting M. E.), 1644 Monadnock blk
*Carter, Henry W. (Patent Lawyer), 635 gineering, Lewis Inst.), 204 Dearborn
Chaimovitch, I. (M. E.), 66 N Jefferson
Chamberlain, Oscar P., 184 La Salle
*Carter, Henry W. (Patent Lawyer), 1261 Monadnock blk
*Chamberlain, Paul M. (Prof. Mech'l Engineering, Lewis Inst.)
Chapman, Chas. A. (Consulting M. E.), Marquette bldg
Chicago Engineering & Constructing Co. (Consulting, Steam & Electric Railways, Bridges, Buildings, etc.), Monadnock blk
Christie & Lowe, 171 La Salle
Clark, Ira A., 84 La Salle
Clarke, Thomas, The Rookery
Clausen, G. L. (Surveyor), 112 Clark
Cohn, Alexander, 425 Belden av
Clute & Spence (M. T.), 59 Clark
Cole, Edward S., 59 Clark
Cole, John A., 59 Clark
Cole, O. F. (M. E.), 9 Jackson boul
Collins, Emmons (Consulting M. E.), 167 Dearborn
Collins & Stevens (M. E.), 84 La Salle
Condron & Sinks Co., 1442 Monadnock blk
Cooley, Lyman E., 21 Quincy
Coolidge, Winthrop (Mining), 138 Jackson boul
Cotton, Walter H. (Consulting M. E.), 303 Dearborn
Cowles, W. L. & Co., 355 Dearborn
Cox, James B. (M. E.), 9 Jackson boul
Crowley, Raymond D., 347 W 67th
Curtis, Walter W. (M. E.), 334 Dearborn
Darley Engineering Co. (M. E.), Monadnock blk
Davis, D. I. & Co. (M. E.), 315 Dearborn
DeKalk, Walt. M. & Co., 109 Dearborn
*De Puy, C. E. (Ass't Prof. Mach. Construction, Lewis Inst.)
Dickman & Mackenzie (Mining, Enr. Chemists & Metallurgists), The Rookery
Dixon, Geo. Edw. (M. E., Pres. Dixon Steam System Co.), 164 Dearborn
Drake, Frank (Mining), 131 La Salle
Dunlap, D. C., 269 Dearborn
Emerson, Harry L., 138 Washington
Evans, Chas. H. (C. E. M. E.), 145 Van Buren
Evans, Frank H. (M. E.), 145 Van Buren
Ewing, Wm. B., 138 Washington
Fergus, Wm. L. & Co. (Consulting M. E.), 279 Dearborn
Feurtado, R. S. (C. E.), 279 Dearborn
Fitch, Claude E. (M. E.), 164 Dearborn
Flinn & Dreffein (M. E.), 315 Dearborn
Flora, Ellsworth E. (M. E.), 204 Dearborn
Forsyth, Robert (Consulting M. E.), The
*Forsyth, Wm., 100 Harrison Rookery
Foster, Chas. F. (Consulting M. E.), Manhattan bldg
Fostern Engineering Co. (M. E.), 40 Dearborn
Frandsen, Nils P., 109 Randolph

Franklin, William A. (Mining), 1143 N Albany av
Friedling, Fred., 815 La Salle
Fuel Engineering Co. (M. E.), 204 Dearborn
Gallery, Jno. J. Co. (Contracting & M. E.), 138 Washington
Gaussien, Herman (M. E.), 279 Dearborn
Goodnow, Geo. F. (M. E.), 184 La Salle
Gibson, Chas. B. (Mining), 81 Clark
Golts, Wm. (M. E.), 319 S Clinton
Goosman, J. C. (M. E.), Teutonic bldg
Gordon, Edw. B. (M. E.), 42 W Jackson boul
Greeley-Howard Co. (Surveyors), 112 Clark
Green Engineering Co. (M. E.), 115 Adams
Gulickson, Geo. (M. E.), 70 Milwaukee av
Guthrie, Ossian, 138 Washington
Hall, Chas. F. (M. E.), 45 N Desplaines
Handford, Arthur W. (M. E.), 153 La Salle
*Hanna, Elmer E., 820 Elston av
Harding, Abner C. (M. E.), 155 Washington
Harrison, Wm. H., 163 Randolph
Harvey, Chas. A. (M. E.), 324 Washington boul
Heck, F. F., 78 Le Salle
Heine, Heinrich, 79 Dearborn
Herr, Heiro B. (Consulting), Monadnock blk
Heuser, Jno. H. (M. E.), Monadnock blk
Hill, Cicero D. (Chief Engineer), 200 Randolph
Hodgart, Alex. (M. E.), 277 Dearborn
Hoermans, Thaddeus W. (M. E.), 138 Washington
Holcomb, Clifford A. (M. E.), 240 La Salle
Hollis, Henry L. (Mining & Metallurgist), 164 Dearborn
Hoover & Mason (M. E.), 9 Jackson boul
Hotchkiss, Chas. W., La Salle St. sta.
Howe, Wm. F. (M. E.), 5137 Jefferson av
Howitt, Frederick, 1782 Diversey boul
Huber, Gustav M. (M. E.), 315 Dearborn
Hudson, C. E., 155 La Salle
*Hughes, Wm. M., 280 La Salle
Humphrey, Clifford W., The Rookery
Hunt, R. W. & Co. (Consulting & Testing), The Rookery
Huyette, Wm. S. (M. E.), 125 Monroe
Illinois Engineering Co. (Consulting M. E.), 315 Dearborn
Jackson, D. C. & W. B. (M. E.), 115 Adams
Jackson, Geo. W. (Inc.) (Consulting & Contracting), 179 W Jackson boul
Jarvis, Henry & Co. (M. E.), 355 Dearborn
Jeffrey Mfg. Co. (M. E.), 277 Dearborn
Jewell Engineering Co. (Consulting), 206 W Lake
Jewell, Wm. M. (C. E.), 206 W Lake
Johnson, Jay L. & Co. (Surveyors), 90 La Salle
Johnson, Wm. L. (Mining), 164 Dearborn
Jones, Wm. D. (Surveyor), 140 Dearborn
Keller, C. L., 1616 Monadnock blk
Kellersberger, Hans R., 79 Dearborn
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Kloster, John, 172 Jackson
Klotz, Robert & Co. (M. E.), 109 Randolph
Knox Engineering Co. (M. E.), 279 Dearborn
Kramer, Wm., 108 La Salle
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McCartney, Wm. M., Monadnock blk
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McCoy, J. W. (Mining) 125 Lasalle
McGhee, George W. (Mining), 1203 Flournoy
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McMeen & Miller (Consulting M. E.),
MacDonald Engineering Co. (Power Plants & Machinery Installation, etc.), 98 Jackson boul
MacFarland & Oldberg (M. E.), 358 Dearborn
Mabbs, Jno. (Chief Eng'r. Board of Trade
Maldaner & Riddle, 164 Dearborn bldg)

Mariner & Hoskins (Mining), 81 Clark
Masters, Geo. A., 109 Randolph
Maural, Carl J. (M. E.), 279 Dearborn
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Mead, Daniel W. (Consulting M. E., Water Works, Power Plants, etc.), First National Bank bldg
Mendius, Carl (Surveyor), 108 La Salle
Mershon, Russell J. (Surveyor), 1317 W
Michaelis, Wilhelm, 109 Randolph 105th
Miller, Martin J. (Mining), 138 Jackson boul
Modjeski, Ralph (Consulting), Monadnock
Mohler, Chas. K., 42 Madison blk
Mohr, Louis (Consulting M. E.) (Jno. Mohr & Son), 32 Illinois
*Morava, Wensel, 204 Dearborn
Mordock, Chas. T., 164 Dearborn
More, Wm. F. (M. E.), 26 Aberdeen
Morey, Newgard & Co., 26 Van Buren
Morgan, Arthur M. (Consulting M. E.), 169 Jackson boul
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Morgan, Geo. C. (M. E., Hydraulic, etc.), 169 Jackson boul
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Nicholson, H. H. (Mining), 181 La Salle
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Nyberg, Eugene (Consulting M. E.), 232 S Clinton
Ohio Ceramic Engineering Co. (M. E.), 164 Dearborn
O'Neil, John G. (Consulting M. E.), 804 The Rookery
Orton — Stunbrenner (M. E.), 181 La Salle
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Ostenfeldt, Chas. L., 79 Dearborn
Owen, Ira J. (M. E.), 204 Dearborn
Page & Schnable, 188 Madison
Pearce, Wm. H. (M. E.), 269 Dearborn
Peck, Staunton B. (M. E.) (Chief Eng'r, Link Belt Mach. Co.), 39th & Stewart av
Pegelow, Fred. G., 237 5th av
Pennywell, Marshall F. (M. E.), 204 Dearborn
*Pierce, Richardson & Neller (Consulting), 315 Dearborn
Pitkin, Julian H. (M. E.), 16 Fullerton av
Platner, Warton, 100 Washington
*Pond, Frank H., 279 Dearborn
Postel & Linn (M. E.), 279 Dearborn
Powell, Ambrose V., 138 Washington
Pratt, Ed. G. (M. E.), 171 La Salle
Purdy & Henderson (Consulting, Dry Docks & Harbor Work, Coal Handling Plants & Foundations), 1553 Monadnock blk
Quilty, T. Frank, Wabash av
Radford, John A. (M. E.), 204 Dearborn
Raeder & Wood (Industrial, Architectural & Engineering, Plant Design, Construction & Equipment), 77 Jackson boul
Randolph, S. M. (Consulting), 188 Madison
Ravenscroft, Edward H., 2708 N Winchester av
Rice, Geo. S. (Mining), 164 Dearborn
Richards, Jerre T., 138 Washington
Rickey, Lindsey V., 100 Washington
Ritter & Mott (Consulting, Steel Structures & Foundations), 204 Dearborn
Roberts, C. N. & V. B. (Surveyors), 97 Clark
Roberts & Abbott Co., 164 Dearborn
Roberts & Schaefer Co. (Consulting & Contracting, for Complete Coal Mining Plants, etc.), 84 Van Buren
Rodgers Co. (Consulting), Monadnock blk
Roemberg Construction Co. (M. E.), 171 La Salle
Roney, W. H. (Contracting), Monadnock blk
Ronneberg, Nathal (Consulting M. E.), 188 Madison
Rossiter, Edw. A., 84 Washington
Rowe, Geo. H. & Co. (M. E.), 115 Adams
Rowe, Samuel M. (Mining), 364 Monadnock
Rudolph, Emil (Surveyor), 112 Clark blk
St. John, Arthur G., 355 Dearborn
Salich, E. & Co. (Consulting & Constructing, Beet Sugar Factories a Specialty), Monadnock blk
Samuel, Geo. F. (Asst. Engr.), City Hall
Sargent Eng. Co. (M. E.), 303 Dearborn
Sargent & Lundy (Consulting M. E., Electric Railway & Power Plants), 9 Jackson boul
Schaub, Julius W., Monadnock blk

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Schott Engineering Co. (M. E. & Contractor for Electric & Steam Power & Lighting Plants, Water Works, etc.), 125 Monroe
Scott, G. W. (M. E.), 188 Madison
Seely, Herman B. (M. E.), 84 Van Buren
Shankland, E. C. & R. M. (Consulting, Bridges, Foundations, etc.), The Rookery
Shaw, Enos L., Monadnock blk
Schaub, J. W., Monadnock blk
Schmidt, Albert G. (M. E.), Monadnock blk
Schott, W. H. (M. E.), 125 Monroe
Shileds, W. S. (Consulting), 140 Dearborn
Shone Co. (M. E.), 134 Blackhawk
Skinkle, Eugene T. (M. E.), 315 Dearborn
Snedeker, Chas. T. (M. E.), 184 La Salle
Speece, Chas. W. (M. E.), 269 Dearborn
Stebbings, W. L. (Consulting Bridge Designing, Mill & Factory Modernizing, Inspecting, Supervising, etc.), Monadnock blk
Stephens, Claude D. (M. C.), Monadnock blk
Stiernberg, Louis V., 718 Balmoral av
Strobel, Chas. L., Monadnock blk; (also Hydraulic, etc.), 270 Dearborn
Sturtevant, George W., 279 Dearborn
Summers, L. L. & Co. (M. E.), First Nat'l Bank bldg
Sutter, John H., 108 La Salle
Sweeney, John M. (M. E.), 6014 Monroe av
Tatum, Lawrence W. (Mining), 171 La Salle
Theilkuhl, Chas. H. (Consulting M. E.), 84 Van Buren
Thermic Engineering Co. (M. E.), 622 Dearborn
Thompson, Greer & Co. (M. E.), 215 Dearborn
Thompson, Isaac, Jr. (M. E.), Monadnock blk
Toltz & McWynn (Consulting & M. E.), Fisher bldg
Treadwell, M. H. Co. (M. E.), 115 Adams
Tuttle, Hy. W. (M. E.), 111 N Sangamon
Twyman, Aaron, Pullman bldg
Union Engineering & Construction Co. (Civil, Hydraulic & Mechanical), First Nat'l Bank bldg
Vanderlip, H. E. & Co., 164 Dearborn
Vanderlip & Waterman (Surveyors), 163 Randolph
Van Valkenburg, Wm. (Surveyor), 160 Washington
Vernet, Chas C., 204 Dearborn
Vogel, Hugo (M. E.), 112 Clark
Volsard, Emil P., 6321 Rhodes av
Von Oven, Fred. W., 135 Adams
Wagner, Walter, 167 Dearborn
Walker, Frank E., 4454 Woodlawn av
Weiss, Geo. E. (M. E.), 188 Madison
Westinghouse, Church, Kerr & Co. (Consulting M. E.), 171 La Salle
Wheeler Condenser & Eng. Co. (M. E.), 1137 Monadnock blk
*Whittemore, D. J. (Chf. Eng. C. M. & St. P. Ry.), 9 Jackson boul
Williams, Benesette, 153 La Salle
Williams, Carl B., 153 La Salle
Williams, Edgar, 21 Quincy
Williams, Robert E, 84 La Salle
Williams, Theo. H., 4461 Oakenwald av
Wilson, Edw. F. (M. E.), Monadnock blk
Winslow, Benj. E., 59 Clark
Wolf, Albert H., 218 La Salle
Woerman, J. W., 164 Dearborn
Wright, Walter B. (M. E.), 164 Dearborn
Wyllie, Hubert D. (Consulting M. E.), 812 Monadnock blk
Yaw, Horner J., 101 Lake
Young, J. D. (Mining), Monadnock blk

CLINTON—Richardson, David

DANVILLE—Braucher Bros. (M. E.)
Cottingham, Chas. (& Surveyor)
Winn, Walter (Electric Railways, Building, Reinforced Concrete, Roofs, Foundations, etc.)

DECATUR—Burgess, Sullivan
Loring, Geo. V. (City)

DE KALB—Glidden, Jno. W. (M. E.)

DIXON—Kerch, Chas. V. (City)
Nesbit, Charles F.
Shaw, George T. H.

EAST ST. LOUIS—Baker, Chas. L., City Hall
Harper Bros., 202 E B'way
Helm, E. S. (& Surveyor), City Hall
Hutchinson & Jacob, Arcade bldg

EDWARDSVILLE—Sheppard, C. A. (City)

ELGIN—Abell, W. W., House Bank blk
Dakin, Henry
*Gabriel, Wm. A. (Chief Draughtsman, Elgin National Watch Co.)
*Hunter, Geo. E. (Ass't Sup't, Elgin National Watch Co.)
Noyes, H. (M. E.), The Spurling
Price, A. M. (Consulting M. E.)

EVANSTON—Jennings, J. T. Wilson, Haskin blk

FREEPORT—Graham, G. W. (City)
Smith, O. T.

GALESBURG—McAuley, J. B. (City)
Ritchey, A.

GENEVA—Pease, W. H.

GOLCONDA—McCormick, W. T.

GREENVILLE—Dewey, R. K.

HARRISBURG—Abney, I. C.
McHenry, W. A.

HAVANA—Faulkner, J. B.

JACKSONVILLE—Brown, C. W.
Smetters, J. L.

JERSEYVILLE—Newton, A. W.
Pittman, W. (M. E.)

JOLIET—Comstock, A., 311 Barber bldg
Heald G. W. (M. E.), Bates Machine Co.
*Sheldon, Samuel B. (Ass't Gen'l Sup't, Illinois Steel Co.)
Stevens, H. A. (City)

KANKAKEE—Gregg, Robt. C.

KEWANEE—Quade, J. C.

KIRKWOOD—Davidson, M. F.

LACON—Wightman, G. F.

LA GRANGE—Cadwalader, B. (M. E.)
Ewing, Wm. B.

LA SALLE—Byrne, Edw.
Porter, S. D.

LAWRENCEVILLE—Buchanan, H. G.

LINCOLN—Braucher, D. S.
Davey, T. S.

MACOMB—Holmes, Cephas
Shannon, J. F.

MARION—Pulley, Lewis

MARSEILLES—Nichols, A.
Ward, E. J.

MATTOON—Baldwin, Hadley (C. C. C. & St. L. Ry.)
Loomis, A. C (City)

METROPOLIS CITY—Geltner, C. A.

MOLINE—Kimball, Wm. H.
Olshauser, Walter A. G.
Paddock, Henry G. (City). City Hall

MOMENCE—Clark, J. L.

MONMOUTH—McClanahan, Thos. (City)

MOUND CITY—Mathias, J. P.

MOUNT VERNON—Smith, Kirby
Williams, W. T., Jr.

NEWTON—Kilgore, Wm.

NORMAL—Herington, Geo. B. (Drainage, Sewerage, etc.)

O'FALLON—Tiedeman, D. F.

OLNEY—Higgins, Bryant

OQUAWKA—Moffett, E. L.

OREGON—Jakeman, Thomas

OTTAWA—Irwin, Wm. H.
Wilson, C. F.

PARIS—Brooks, T. J.

PEKIN—Jansen, D. H.
Seibert, Jno. R.
Smith, Benj. F.
Van Deusen, R. P. Co.

PEORIA—Belsley, Clay (M. E.), Masonic Temple
Dunn, Chas. H. (& Surveyor), Court House
Harman Engineering Co. (Sanitary & Agricultural Drainage)
Lagron, Arthur, 11 N Jefferson av
La Porte, Chas. W. (M. E. & Patent Drawings), Woolner bldg
McMullen, Charles A. (C. E.), New Library Bldg.
*Maury, Dabney H. (Consulting, Hydraulic, etc.), 129 N Jefferson av
Woermann, J. W. (C. E.), Observatory Bldg.
Thompson, Almon D. (Consulting), Woolner bldg

PERU—*Neureutler, A. H.

PRINCETON—Hodgman, Romanus

QUINCY—Bushnell, Web P
Chafton, Enoch R.
Hancock, F. L.
Prince, Edw.

ROCHELLE—Clark, G.

ROCKFORD—*Barnes, W. F.
Davis, C. H. (M. E., Supt Illinois Sewing Machine Co.)
Hand, S. B.
*Ingersoll, Winthrop (Pres., Ingersoll Milling Machine Co.)
Main, Edw. (City Hall)
Stowell, Chas. C., 328 N 4th
Tissandier, Th. L. Leon de (County Surveyor)

ROCK ISLAND—Darling, Wm. A. (County).
Treichler, Wallace Court House

SHELBYVILLE—Fish, L. E. (Consulting)

SPRINGFIELD—*Doebler, Chas. H. (M. M., Wabash Ry.)
Du Bois, Nicholas, 231 S 6th
Hamilton, F. H. (City)

STREATOR—Graves, E. A.
Rolph, F. T. (City)

TAYLORVILLE—Michels, J. S.
Powell, R. M.

THEBES—Brown, Martin

URBANA—*Breckenridge, L. P. (Prof. Mech'l Eng'r'g, Univ. of Illinois)
Lentwiler, O. A. (C. E. & M. E.), Univ. of Illinois

VANDALIA—Johnson, James H.

WAUKEGAN—Bowen, H. L. (City)
Osterfield, C. P.
Russell, Chas. E.

WHEATON—Herrick, G.
Prout, Burnham & Russell
Vallette, J. G.

WINNETHA—*Herdman, Frank E.

INDIANA.

ALBION—Foot, G. L. (Surveyor)
Johnson, Jas. T.
Moore, Fred. B. (Surveyor)

ANDERSON—Downey, M. H.
Downey & Wilcox
Ross, Alex. (Surveyor)
Wilcox, E. J.

ATTICA—Foster, J. A.
Sadler, G. P. N.

AUBURN—Van Auken, J. J. (City)

AURORA—Fish, Chas.
Gridley, A. T. (Surveyor)
Walters, Lee (City)

BEDFORD—Deckard, Lew E.
Houston, G. C. (City)

BLOOMFIELD—Clogston, W. W. (Surveyor)
Parker, F. M. (Surveyor

BLOOMINGTON—Bowers, Eugene (Surveyor)
Deckard, Lew. E. (City)
Raeder, Geo. B. (Surveyor)
Rathrock, D. A.

BLUFFTON—Batson, B. A. (Surveyor)
Kiebele, Cuno
North, Daniel O. (Surveyor)
Powers, W. H.

BOONVILLE—Meyer, L. (City)

BRAZIL—Kattman, Frank A. (Civil & Mining)
Mooney, Pat'k
Sherfey, David (City)
Sisson, F. S.
Stevenhart, Gus.
Wilkinson, O. E.

BROOKVILLE—Berry, Fielding (Surveyor)
Bradburn, Chas.
Burkhart, John
Carter, Calvin (Surveyor)
Dudley, Joseph
Lawrence, T. W. (Surveyor)

CANNELTON—Minto, Geo. (Surveyor)
Tewlin, Owen, Jr.

COLUMBIA CITY—Miller, A. N. (City)
Strong, E. K. (City)

COLUMBUS—Hayes, W. A. (Surveyor)
Hege, Levi
Right, W. H. (City)

CONNERSVILLE—Brown, J. P.
Finan, Jno., Jr.
Hanson, Karl (City)
Wilkin, J. T. (M. E.), The Connersville Blower Co.
William, C. R. Jr. (Surveyor)
Williams, R. L. (Surveyor)

CORYDON—Armstrong, Andw. (Surveyor)
Sharp, Dan. (Surveyor)

CRAWFORDSVILLE—Harding, Jas. A. (Surveyor)
Hoffman, Fred
Jamison, Alfred E.
McConnell, I.
Sharpe, W. E.
Simpson, E. S. (City)
Waugh, J. M.

CROWN POINT—Fisher, Geo. W.
Knight, Frank (Surveyor)
Metzler, F. (City)
Strode, Alden (Surveyor)

DANVILLE—Franklin, W. F. (City)

DECATUR—Ernst, Chas. C.
Fulk, W. E.
Knoff, H. B. (City)
McKean, G. E. (Surveyor)
Tyndale, J. W.

DELPHI—Kirkpatrick, Elonzo E. (Surveyor)
Obear, James
Sines, Chas. G. (Surveyor)
Smith, H. F. (City)
Thompson, W. P. (City)

DUNKIRK—Badders, W. H. (City)

EAST CHICAGO—Fisher, T. W. (City)
Johnson, E. Clarke

EDINBURG—Cutsinger, F. M. (City)
Downes, W. E.
Reenle, J.

ELKHART—Beardsley Gravity Dam & Cons. Co. (Hydraulic)
Hitchcock, L. E. (City)

ELWOOD—Finan, John, Jr.

EVANSVILLE—Chipman, Paul
Nehring, Wm. H. & Co. (M. E.), 111 Park
Pfaffin, August (City), City bldg
Saunders, J. D. & M. S., 315 U. 3d
Schlotter, Frank
Shopbell & Harris
Temme, Wm. H. (City), Court House
Wunderlich, C. (City)

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FAIRMOUNT—Fletcher, Geo. A.
FORT WAYNE—Branstrator, Chas. W. (Surveyor)
Burger, Franz (M. E.), 24 E Wayne
Bushman, J. A. (Surveyor)
Chapin & Denny (Consulting M. E. & Patent Attorneys), 15 Bass blk
*Crawford, D. F. (Supt. M. P. Penna. Co.)
Emmons, C. D.
Goshorn, J. S., 386 E Washington
Goshorn, William H.
Guldlin, Olaf N. (C. & M. E.), Pres. Western Gas Constr. Co.
Haberkorn, T. H. (M. E.), 298 Calhoun
Hunton, L. P.
Moran, H. P. (Kerr-Murray Gas Engine Co.)
Ninde, Wm. E. (M. E.), 1005 Crescent av
Olds, C. L. Constr. Co. (M. E.), Elektron bldg
Potter, Geo. E.
Puder, F. R.
Randall, Frank M. (City), City Hall
Spindler, D. F. (Surveyor)
Wiley, G. B. (Surveyor)
FOWLER—Dayle, J. P. (Surveyor)
Vannatta, J. S. (Surveyor)
Van Der Voort, W. S. (Surveyor)
FRANKFORT—Brown, Jas. R.
Cheney, Chas. E. (City)
Huffine, Chas. C. (Surveyor)
Shane, Alex.
Sholl, John (Surveyor)
Taylor, W. C.
FRANKLIN—Middleton, Ed. L. (City)
Joseph, John E. (County Surveyor)
GARRETT—Jordan, Sam'l
Speelman, J. A.
Van Auken, J. J. (City)
GAS CITY—Knight, Cortes
Leonard, J. J.
GOODLAND—Alter, Lewis S.
Hamilton, Robert (Surveyor)
GOSHEN—Cooper, John L. (City)
Hatch, W. R.
GREENCASTLE—Bell, Carroll (M. E.)
Denny, Jas. (City)
Lane, A. A. (Surveyor)
Randall, H. M.
GREENFIELD—Lewark, Frank T., Court House
GREENSBURG—Black, Hy.
Craig, J. W.
Hutton, J. F.
Sandusky, Hy.
Stagg, Clyde
Stagg, J. A.
HAMMOND—Bridge, W. F. (Surveyor)
Bump, E. W.
Hutton, J. F.
Lyons, P. J. (City)
HARTFORD CITY—Fulton, Geo. T. (City)
Harley, Wm.
McMichael, David A. (County)
HUNTINGBURG—Berger, Henry (City)
Smith, M. F. (County)
Taylor, H. B.
HUNTINGTON—Guthrie, Frank
INDIANAPOLIS—American Engineering Co., Terminal bldg
Atkins, Wm. A. (E. C. Atkins & Co.)
Bell, Thompson R. (M. E.), Saks bldg
Brossman, Chas. (Consulting), Union Trust bldg
Brown, Chas. Carroll (Consulting, Municipal Work, etc.), Commercial Club bldg
Brubaker, Henry C. Company (Consulting & Constructing C. E.), Aetna bldg
Covert, Paul W. (Instructor High School)
Culley, Chas. P. (Ass't County Surveyor)
David, Thos. H., Terminal bldg
Deane, J. H., 420 W 30th
De Bruin, N. H. (C. I. & E. R'y)
*De Frees, Rollin (Consulting M. E.) Atlas Engine Works
De Frees, Morris M., 402 N Meridian
Fatout, Hervey B. (& Surveyor), Baldwin bldg
Fletcher, Owen, Duvall Co. (Consulting Structural)
Hazelrigg, Thomas H., 927 W 31
Hill, Edward, Central Union Tel. Co.
Howland-Shearman, Chas. H., 2643 Sutherland av
Jeup & Moore (& Sanitary), Ind. Trust bldg
Julian, Paul A., City Engineer's office
*King, Robert Parsons, 2507 Park av
Klausman, Henry W. (County Surveyor), Court House
Leonard, Chas. M. (M. E.), 1415 Barth av
Lingenfelter, F. C. (Ass't City Engineer), 1108 Pleasant
Lockwood, B. D. (M. E.), C. C. C. & St. L. Ry.)
McMath, Thos. B., Terminal bldg
McMeans & Tripp (M. E.), State Life bldg
Mansfield Engineering Co. (Reinforced Concrete & Steam & Electric Rwy. Work a Specialty), Bd. of Trade bldg
National Bridge Co. (Reinforced Concrete Bridge Work a Specialty)
National Concrete Co., Traction Terminal bldg
Neville, M. A.
Power, J. Clyde (City), Saks bldg
Sandusky, Harry C. (Consulting), State Life bldg
*Schwartz, Harry A. (Chemist), 546 N Holmes av
Shafer, Jno. A., 3719 N Illinois
Shearer, Samuel H., 2002 N Alabama
Silvius, E. T. & Co. (M. E.), Talbott blk
Smith, Geo. P. (L. E. & W. Ry.)
Snow, J. H. & Co. (M. E.), 1120 N Beville av
Spacke, F. W. (M. E.)
Taylor, W. M. (M. E.), 2426 E Wash'n
Vincent, Edgar R. (M. E.), State Life bldg
*Warrington, Jesse (Mech'l Supt., Nordyke & Marmon Co.), Morris & Kentucky av
Whittemore, John R. (C. & M. E.), Gen. Supt. Atlas Machine Wks.
Woodbridge, Frank, Union Trust bldg
Woods, Robert P., Traction Terminal bldg
JASONVILLE—Blackledge, Rollin H. (City Engineer & County Surveyor)
JASPER—Wilson, T. R.
JEFFERSONVILLE—Kelly, C. W. (M. E.)
Keith, L. Early
Lyon, V. W. (City)
KENDALLVILLE—Bortner, Henry (City)
KENTLAND—Hawkins, B. (Surveyor)
KNIGHTSTOWN—Morrison, R. I.
Baxter, Chas.
KOKOMO—Bruff, Jas. F.
Ehrman, Wm. A.
Easterling, Al. (Surveyor)
Hunt, Ellsworth (Surveyor)
Jones, O. O.
Mann, W. F. (City)
Morrow, Jackson (City)
Smith, A. W.
LAFAYETTE—Alexander, W. F. & Son
Arents, F. C. H.
Brown, George S.
Burrage, Severance (Instructor in Sanitary Science & Sanitary Biology, Purdue University; Consulting Sanitary Engineer, International Harvester Co.), Chicago, Ill.
Conner, Arthur W.
Ernst, Fritz B. (Inst'r, Purdue Univ.)
*Golden, M. J. (Prof. Practical Mechanics, Purdue University)
*Goss, W. F. M. (Prof., Experimental Engineering, Purdue University)
Hatt, W. K. (Associate Prof., App. Mechanics, Purdue University)
Hoffman, Jas. D. (Associate Professor, Engineering Design, Purdue University)
Kerr, E. W. (M. E.)
Miller, Melville W. (Surveyor)
Pence, W. D. (Prof. Civ. Eng., Purdue University)
Pifer, Chas. W.
Robertson, C. H. (M. E.) (Instructor in Engrg., Purdue Univ.)
Seastone, Chas. V.
Stevenson, G. H. (City)
Vawter, P. C. (City) (W. L.)
Waesche, G. E. (Instructor Civ. Eng., Purdue Univ.)
Wagstaff, C. L.
Williamson, Fred C.
Young, G. A.
LA GRANGE—Hosteller, J. W. (Surveyer)
LAPORTE—Burner, Hiram
Henock, Milton J.
Mammero, A. J. (Surveyor)
Norris, J. D.
*Rumely, Wm. N. (Vice Pres. & Supt., M. Rumely Co.)
LAWRENCEBURG—Fitch, Geo.
Walters, Lee
LEBANON—Barker, B. F. (Surveyor)
Coulson, Samuel R. (County)
Fulwider, Jno. W. (City)
Huckstep, Thos. W. (Surveyor)
Wade, John L. (Deputy County)
LIBERTY—Raridan, Norris (Surveyor)
LIGONIER—Gerber, E. B. (City)
Hays, John
Jeanerette, R. E.
Treash, U. R.
LINTON—Cunningham, Fred.
LOGANSPORT—Beal, Jas. A.
Coleman, Henry F., 322 3d
Jenkins, Atwood
Osmer, W. A. (City), 1823 B'way
Trontman, Harry W.
LOWELL—Clark, E. A.
Garrison, Jas. (City)
LYONS—Clogston, W. W.
Yeoman, S. N. (Surveyor)
MADISON—Day, W. B.
Sering, J. J.
MARION—Overman, L. M.
Petrie, T. E.
Smith, Ansel R. (County)
Smith, C. D. (Surveyor)
MARTINSVILLE—Goss, C. G. H. (Consulting)
Johnson, Hes K.
Phillips & Goss (Hydraulic & M. E.)
MICHIGAN CITY—Combs, C. E.
Koehlin, Henry
Miles, H. M. (City)
Renkowits, John
MISHAWAKA—*Mix, Melville (Pres. & Mgr., Dodge Mfg. Co.)
Moore, W. S. (City)
MITCHELL—James, W. M. (City)
MONTICELLO—Bridge, G. M. (Surveyor)
Bushnell, Web. P.
Davison, S. A.
Lawri, R. A.
Redding, Allen (Surveyor)
MOORESVILLE—Johnson, H. H. (City)
MOROCCO—Harpole, W. B.
MOUNT VERNON—Anderson, E. S. (Surveyor)
Sarlls, George W.
MUNCIE—Crandall, F. (City)
Gough, Chas. (Surveyor)
Hefel, Tony C.
Marsh, J. R.
Storer, O. W. (Surveyor)
Wood, W. H. (City)
NEW ALBANY—Coolman, E. B. (Surveyor)
Mann, Martin H. (Surveyor)
Mann, Sam'l T. (City)
NEWBURG—Haniron, Richard
NEWCASTLE—Ackley, Jacob (City)
Clark, C. B. F. (City)
Cook, D. K.
Minesinger, Omer (Surveyor)
Robe, S. A. (Surveyor)
Troyer, J. E.
NOBLESVILLE—Cottingham, C. J.
Findley, Herbert L.
Mitchel, J. A. (Surveyor)
Shannon, J. S.
NORTH VERNON—Prather, W. B. (City)
OSGOOD—Harsch, John C. (Surveyor)
Stimpson, Earl
OTTERBEIN—Van Der Vort, W. S. (City)
PAOLI—Henderson, John
McPheeters, A. N.
Wilson, John (Surveyor)
PERU—Blair, Guy
Cole, R. H. (City)
Danes, W. S. (Supt. B. & B., Wabash R'y)
Horan, Michael (City)
Jackson, C. S.
Kelly, Peter (City)
Smith, A. W.
Trippeer, A. G.
PETERSBURG—Ficklin, William
PLYMOUTH—Butler, J. C. (City)
English, Wm. H. (Surveyor)
Klinger, Jerry
North, Achilles
Thompson, Eldridge
PORTLAND—Curran, W. G. (City)
Frost, A. J. (City)
Griffith, Jay (Surveyor)
Stewart, R. P.
PRINCETON—Emmerson, G. M. (City)
Watts, Edwyn, E.
REMINGTON—Alter, Lewis S.
RENSSELAER—Gamble, H. L. (City)
Price, Myrt B. (Surveyor)
Thrawls, J. C.
RICHMOND—Barnard, R. E.
Bland, Miles C.
Charles, Fred. R.
Collins, Wm. D., P. O. Box 171
Dill, Howard A.
Ferriday, Robert
Gibson's, A. B. Sons
Harris, Roswell
Howard, R. A. (Surveyor)
Hunt, Frank J.
Kennedy, A. H.
Sackett, R. L.
Webber, H. L. (City)
RISING SUN—Keeney, Geo. (Surveyor)
Monroe, C. (Surveyor)
ROCKVILLE—Campbell, J. T.
Ott, Claude (Surveyor)
RUSHVILLE—Dill, Wm. (City)
Downey, M. H. (Surveyor)
Herkless, A. R.
Kelley, Geo. R. (Surveyor)
Kelly, Peter
Stewart, A. L.
SALEM—Prow, John C.
SEYMOUR—Rlish, E. W. (Surveyor)
Slagle, Geo. (City)
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Isley, W. H.
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Moore, W. S. (Ass't City)
Moore, Wm. (Ass't City)
Whitten, Wm. M.
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Chastain, Manford (Surveyor)
Crowder, E. S. (Surveyor)
Cunningham, F. M. (Surveyor)
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Brannon, Clifford
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Coburn, Maurice (Eng'r M. of W., Van B'y)
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Faley, C. B.
Floyd, W. H.
French, C. G. (S. I. R'y)
*Gray, Thos. (Dir. Dept. Dynamic Engineering, Rose Poly. Univ.)
Grimes, Geo. R. (also Hydraulic), 521 Ohio
Harris, W. H. (Surveyor)
Houghton, E. R. (S. I. R'y)
Howard, Ralph H. (Van R'y)
Howe, M. A. (Prof. Civ. Eng., Rose Poly. Inst.)
Hunter, James W.
McCormack, R. L. (Instructor Civil Eng., Rose Poly. Inst.)
Marshall, H. S.
Paige, W. R.
Patterson, G. S. (Civil & Mining)
Ranno, F. W.
Scott, Chas.
Shaneberger, E. L.
Simpson, Geo. H., 530 S 7th
Smith, H. C.
Sparks, Ralph
Starbuck, J. E.
*Wagner, Frank C. (Associate Prof. Steam Engineering, Rose Poly. Univ.)
Watson, A. C. (Van R'y)
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Hershey, Jere
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Williamson, E. C.
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IOWA.

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Marston, A.
Spinney, L. B.
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McCauley, Thos. Francis, 314 S 2d, W.
Merridith, Geo. H. (City)
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Smith, Percy Preble
Tomlinson, Jos., 216 N 13th
Wardle & Yeager (Consulting, Municipal R'ys, etc.)
Warriner, T. R. (Also Hydraulic, Consulting, Municipal & Public)
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Schnell, August (City)
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Francis, Charles
Kimball, W. H.
Murray, Thos.
Worrall, Wm. B.
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Huntington, Harry
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Budd, J. W. & Moughmer (C. E.), Youngerman bldg
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Carss, M. M., 849 13th
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Des Moines Engineering Bureau, Good blk
Dickinson, Warren, 1511 10th
Dobson, Geo. D.
Dobson, Guy E.
Eberhardt, G. A., 1908 W 8th
Higgins, Lafayette, Good blk
Hockett, J. L., 121 Charles
Jackson, W. H.
Kastberg, K. C., 510 Good blk
King, Geo. M. (City), City Hall
Lambert, Geo. F., 812 Youngerman blk
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Morgan, A. L., 570 Union Station
Moss, B. N.
Schreiner, B. (also Hydraulic), 1445 Maple
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DOW CITY—McHenry, Morris
DUBUQUE—Anderson, Eugene, 361 Julien av
Baumgartner, Chas. H., 815 Main
Blake, C. E. (City Engineer), 361 Alta Vista
Brown, J. E., 1337 Bluff
Gniffke, Henry B.
Hyde, E. S. (Surveyor), 25 Pickett
Ilg, Paul (County), Court House
Linderman, M.
Tschirgi, M., Jr. (also Hydraulic, etc.), 46
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Moncrelf, John
ESTHERVILLE—Callwell, R. B.
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Fitzpatrick, T. J.
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MOUNT VERNON—Alden, F. S.
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Brazenill, Wm. 2120 N 5th
Ela, R. E., 2002 N 6th
House, Francis, 720 Ferry
Lasley, J. H. (County Surveyor), Court House
McAlpine, R. L., Portsmouth bldg
McClung, C. L., 2116 N 10th
Miller, J. C., 640 Washington
Stalnaker, W. H., 525 Ohio
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Fisher Machine Works (M. E.)
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Davis, T. H.
OSWEGO—Bayless, B. P.
Boggess, J. W.
Bushnell, A. B.
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Service, J. A.
Titus, A. C.
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Kuts, Wm. H.
*Maddocks, Wm. (Chief Draughtsman, M. D., M. K. & T. R'y)
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Waite, C. G. (City)
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SEDAN—Denick, A. J.
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Wells, M. J.
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Graftstrom, Edw. (M. E.), Santa Fe R. R.)
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Huntoon, Joel
Tweeddale, Wm. (also Hydraulic, etc.), 707 Kansas av
Whitaker, J. B., 525 Kansas av
Winkley, H. V.
TROY—Hills, H. A.
Marsh, F. P.
WELLINGTON—Roberts, C. L.
WICHITA—Jackson, H. L.
Munderello, R. H.
Wells, C. B. (City)
WINFIELD—Boynton, J. S. (City)
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Cairns, Alexander
YATES CENTER—Tallman, L. N.

KENTUCKY.

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COVINGTON—Gunn, Wm. B., City Hall
Kennedy, Jos. D., 1547 Scott
Kennedy, T. H., College bldg
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Kimmel, S. H.
Steffy, Joe. (M. E.)
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*Faig, John T. (Asst. Prof. Mechanical Engineering, State College of Kentucky)
O'Neil, P. P. (City)
Totten, A. I.
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Doyle, Chester L. (M. E.), 1518 1st
Hamilton, T. S. (M. E.), 1406 Garvin
Hermany, C. (Consulting, Hydraulic), 540 3d
Holmboe Co. (Consulting & Contracting), Lincoln Savings Bank bldg
Joseph, O. G. (Consulting, Steel Structures, Reinforced Concrete, etc.), Lincoln Savings Bank bldg
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Morris, Marshall, 1638 3d
Parsons, C. W., 341 5th
Shaw, Granville W., 1358 Cherokee rd
Stonestreet & Ford (& Surveyors), Louisville Trust bldg
Young, R. H. (Co. Surveyor), Court House
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MIDDLESBORO—Merwin & Richardson
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Lindsey, Geo. G., 7 E 4th
Morlidge, J. B., Court House
Morton, B. R., 9 E 4th
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OWENTON—Lee, B.
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SPRINGFIELD—Roberts, Simpson
VERSAILLES—Hifner, M. B.

LOUISIANA.

ALEXANDRIA—Sylvester, I. W. (City)
BATON ROUGE—Swart, B. (City)
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Guilfonx, V. P.
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Borde, Geo. U. (consulting), 226 Carondelet
Brosnan, D. M. (& surveyor), 1205 7th
Brown, Frederick Co. (Ltd.), 226 Carondelet
Brown Henry C., 121 Carondelet
Christie & Lowe (M. E.), 107 Camp
Coleman, John F. (consulting), 226 Carondelet
Daney & Waddill (& Surveyor), 337 St. Charles
De Armas, Geo. (Surveyor), 137 Carondelet
Enderle, Edw., 738 Union
*Gregory, Wm. B. (Asst. Prof, Expl Engineering & Mechanism, Tulane Univ.)
Harrod, Benj. M., 225 Carondelet
*Johnson, Lewis (Pres. Johnson Iron Works Ltd.), Julia & Delta
Joor, Wm. E., Hennen bldg
Krumbhaar & Aiken, Denegre bldg
Lewis, C. U. (City Surveyor's Office), 606 Gravier
*Lockett, A. M. (M. E.), 843 Baronne
Morris, J. C., 107 Camp
Palestine, Robt., 830 Canal
Payne, F. T. (C. E. & Surveyor), Hennen bldg
Payne & Joubert (Contracting M. E.), 423
Pille, Edgar, 937 Orleans Carondelet
Reed, Warren B. (Consulting)
Seghers, D. E. & Son (Surveyors), 335
Turley, Jno. K., 809 Baronne Carondelet
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Dortch, J. M. (City)
Jenkins, B. F.
Jeter, J. W. (M. E.), Market
Martin, W. E.
Oliver, Ben. (M. E.), Texas av
Wilson, Geo. R., 139 Anna
Woodward, Wilkie

MAINE.

AUBURN—Greenleaf & Doring, Elm blk
Swift, R. A., 77 Spring
AUGUSTA—Getchell, Wm. B. (City), 243 Water
Wing, A. R., 243 Water
BANGOR—*Clark, Chas. B. (Sup't, Eastern Mfg. Co. Plant), 60 B'way
Coombs, Philip H., 12 Exchange blk
Crosby, Wm., Kenduseag blk
Marston, Frank L.
Vicery, Gilbert S. (City) City Hall
BAR HARBOR—Lord, E. I.
BATH—Hayden, H. W. & Co.
*Hyde, Chas. E. (Marine), Bath Iron Works
*Hyde, Jno. S. (Supt. Engineering Dept., Bath Iron Works)
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BOOTHBAY HARBOR—Baldwin, F. W.
BRUNSWICK—Crawford, J. W.
BUCKSPORT—Spofford, Parker
CALAIS—Gardiner, Benj. (& Surveyor) (City)
CAMDEN—Crawford, M. T.
DEERING—Barbour, I. W. (City)
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FARMINGTON—Nichols, Walter
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Hull, Frank E.
Robbins, C. A. & Son (M. E.)
LEWISTON—Jones, Jno. A. (City), City Hall
Straw, John B., 124 Pine
MACHIAS—Sargent, Paul D.
MILLINOCKET—*Ferguson, H. S. (Chief Engineer, Great Northern Paper Co.
NORWAY—Stevens, S. A.
OLD TOWN—Blanchard, Chas. G.
Bussell, S. J.
Hunt, Frank
Mullen, Charles W.
Sewell, J. W.
PARIS—Vose, George L.
PATTEN—Robinson, Halbert G.
PORTLAND—Bennett, Raymond F., 3 Moulton
Fenn, Chas. W., 11 Exchange
Fernald, Geo. N. (City), City Hall
Forrest, Thos. E., Cushings Island
Insley & Cummings, 57 Exchange
Jones, Jas. R., Island av. P I
Jordan, Edward C. & Co., 31½ Exchange
Moulton, A. H. (M. E. & Consulting)
Richardson, Percy H., 122 Exchange
Staples, C. E., off Lighthouse rd. Bowery
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ROCKLAND—Tripp, O. H.
RUMFORD—French, Henry C.
RUMFORD FALLS—Mixer, C. A.
Nelson, Henry
Stratton, R. B.
SACO—Dennett, W. S.
Libby, Roland W.
Morgan, E. P. (M. E.)
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Guernsey, Amos (M. E.), Washington
Shurburn, Fred. S. (M. E.), High
SULLIVAN—Simpson, Chas. P.
WATERVILLE—Burleigh, John H.
Rockwood, Ralph H.

MARYLAND.

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Adams & Schwab (Consulting & Contracting), Calvert bldg
Allen, Kenneth, 606 Reservoir
Atlee, Walter, Marine Bank bldg
Atwood, Wm. O. (Surveyor), 18 E Lexington
*Baker, W. S. G. (Pres., Baltimore Car Wheel Co.), Charles & Wyndhurst av
Banks, Daniel B., Md. Savings Bank bldg
Barnes, Jas. L., B. & O. bldg
Bashor, Thos. C. Co. (M. E.), 28 Light
Beadenkoph, Geo. (& M. E.), Lexington & Benthall, Wm., City Hall Liberty
Bouldin, August & Co. (& Surveyors), Courtland & Saratoga
Brittain, Jos. G., 2903w North av
Butler, Thos. H. (M. E., Complete Ice Plants), Equitable bldg
Connet, O. W., 308 E 23d, N
Coonan, Edw. V., Courtland & Saratoga
Darling, Frank W., Gaither Est. bldg
Dashiell, Benj. (Consulting & Contracting), Equitable bldg
*Detrick, Jacob S. (Pres., Detrick & Harvey Machine Co.), 508 E Preston
Diffenderfer, John K. E. (M. E.), 217 N Calvert
Disney, Thos. H. (Surveyor), 210 E Lexington
Duncan, Frank K., 1109 Harlen av
Ellicott, Francis (M. E.), Md. Trust bldg
Ellis, Luke, 210 E. Lexington
Engineering Contracting Co. (Steel & Concrete Construction), American bldg

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Granbery, James E. & Co. (Consulting), 314 Gray, Newton M., City Hall N Holliday
Greenbaum, Joseph, 2537 Penn av
Greiner, John E., B. & O. bldg
Humbleton, F. H., 912 N Charles
Hanna, Robt. N., Equitable bldg
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Hayes, Roy B., Custom House
Herrman, H. E., 1900 N Washington
Hoak, Chas. A., City Jail
Hopkins-Barnett Co., Calvert bldg
Howe, Chas. H. R., B. & O. bldg
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Keyser, Frank W. (Consulting & Contracting), Md. Savings Bank bldg
Lacy, Robt., 1630 Linden av
Lemley, Cassius McC. (Co. Surveyor), 1712 N Calvert
Lowndes-Mitchell Engineering Co. (Consult. M. E. & C. E.), Law bldg
Manning, W. T. (Consulting), Equitable bldg
Martenet, S. J. & Co. (& Surveyors), 18 E Lexington
Maryland Geological Survey, Johns Hopkins University
Mavin, Robt. T. (& Surveyor), 14 E Lexington
McAnulty, John A. (M. E.), 206 N. Holl-McCracken, M. M., B. & O. bldg day
McLaughlin Bros. (Inc.) (Consulting & Contracting), 100 E Lexington
Newton & Painter (Consulting), Professional bldg
Peeples, Wilbur H. (Consulting), American bldg
Penniman & Fairley (Consulting & Contracting), Marine Bank bldg
Phelps, Chas. E., Jr., City Hall
Poole Engineering & Machine Co. (M. E.),
Quick, Alfred M., City Hall Woodberry
Ravenscroft, Robt. A. (Surveyor), Custom House
Reeder, Chas. L. (Consulting M. E.), Equitable bldg
Renshaw, Robt. L. (Surveyor), 106 Jackson pl
Roberts & Abbott Co., Md. Trust bldg
Rutledge, J. J. (Mining)
Sangmeister, Rudolph, Custom House
Scott, Jas. B. (Consulting M. E.), Md. Savings Bank bldg
Shirley, Jos. W., City Hall Annex
Stillwell, L. B. (Consulting), Continental
Sudler, Emory, The Preston Trust bldg
Taylor, Sylvanus E., 716 N Cary
Thomas, Raleigh C. (& Surveyor), 210 E Lexington
Topographical Survey City of Baltimore, City Hall Annex
Tustin Septimus P. (& Surveyor), 18 E Lexington
Twamley, Wm. P. (& Surveyor), 102 E Lexington
United States Engineers' Office, 812 St.
Varney, Wm. W. (Consulting & Contracting), Calvert bldg
Walker, Wm., 14 E Lexington
Welsh, Geo. T., Equitable bldg
Weston, B. Latrobe, Ingram bldg
Williams, Samuel T. (M. E.), 228 N Calvert
Wrenshall, Jno. E., 1037 N Calvert

CUMBERLAND—Beall, L. L.
Brackett, Ernest F. (Mining)
Le Fevre, D. P. (County Engineer)
Patterson, T. L.
Schaidt, J. C.
Schriver, J. C.

HAGERSTOWN—Evans, Richard

MOUNT SAVAGE—*Bruck, Henry T. (Supt. of M. P., Cumb. & Penn. R. R.)

SALISBURY—Polk, W. U.

MASSACHUSETTS.

ADAMS—Haskins, C. C.
Sayles, Chas. F.

AMESBURY—Titcomb, John P., 111 Friend

ARLINGTON—Adams, Henry S.

ATHOL—Caswell, Lilley B.

ATTLEBORO—Hyde, K. H.
Luther, W. J.

AYER—Hovey, Horace C.

BEVERLY—Berry, W. J., 153 Cabot
*Kaven, Moses B. (Supt., United Shoe Machinery Co.)
Hammond, Frank W., 153 Cabot
Porter, A. J., 223 Cabot

BOSTON—Adam, James, 294 Washington
Adams, E. P., 53 State
Adams, H. S. (Wharf & Dock Construction, etc.), Ames bldg
*Agassis, Alexander (Pres., Calumet & Hecla Mining Co.), 12 Ashburton pl
Alexander, Geo. (Consulting), 60 State
Allis, Solon M., 36 Bromfield
Almy, Wm. F. (Mining), 50 Congress
Ammidown, Albert M., Pemberton bldg
Amster, Nathan L. & Co. (Mining), 80 Devonshire
*Ashton, A. O., 271 Franklin
Aspinwall & Lincoln (Consulting & Surveyors), 120 Tremont
Associated Mining Engineers Corporation (Mining), 50 Congress
Atlantic Works (M. E.), 60 Border, E. B.
Austin, Hy. H., 120 Boylston
Babson, Geo. N., Tremont bldg
Badger, W. A., 1117 Columbus av
Barbour, F. A., Tremont bldg
*Barrus, Geo. H. (Expert & Consulting, Steam & Steam Plants), Pemberton sq
Bartlett, Chas. H. (Consulting), Pemberton bldg
Bates, Walter O., 94 Green, J. P.
Baxter, Chas. F., 6 Beacon
Bell, Louis (Consulting), 120 Boylston
Bickford, John H., 110 State
Blake & Symonds, 8 Beacon
Blanchard Machine Co. (M. E.), 64 State
Blood & Hale (M. E.), 10 P. O. sq
Blum, A. (Mining), 43 Tremont
Bowditch, E. W., 62 Devonshire
Brackett, Dexter, 1 Ashburton pl
Branch, Ernest W., Tremont bldg
Brooks, Frederick, 31 Milk
Brown, H. H. (Consulting), 739 Boylston
Brown, Walter C. (M. E.), 12 Pemberton sq
Brown, Wm. S. (Consulting M. E.), 15 School
Bues, Edward A. (Consulting), 85 Water
Cann, J. B. (Consulting), 178 Devonshire
Carmichael, Henry (Mining), 15 Exchange
Carpenter, Eugene (Consulting & M. E.),
Carson, Howard A., 15 Beacon Newton
Carter, Henry H. (Consulting), 95 Milk
Cassidy, A. S., 62 Devonshire
Coffin & Thorpe, 46 Cornhill
Coyne, Jas. (M. E.), 121 Haverhill
Crosby, W. O. (Consulting), Mass. Institute of Technology
Cumnock, John (Mill M. E.), 186 Devonshire
Dammerall, Jas. W. (M. E.), 94 High
Davis, Edmund S., 15 Beacon
Dean, F. W. (Consulting M. E.), 53 State
Densmore & Leclear (Consulting), 15 State
De Wolf, J. O. & Co. (M. E.), 159 Dear-
Dinsmore, Geo. F. (Consulting), Old South
Dorr, Edgar S., 30 Tremont bldg
Duquet, Asa M. (M. E.), 453 Atlantic av
Ellis, A. E. (M. E.), 112 Water
Ellis, Benj. W., 101 Milk
Eneas, Aubrey G. (M. E.), 50 Congress
*English & Flett, 226 Congress
Eustis, A. H. (Mining), 131 State
Eustis, F. A. (Mining), 131 State
Eustis, W. E. C. (Mining), 131 State
Farnum, Lorng N. Co., 53 State
Felton, R. R. (Also Hydraulic), Tremont
Fernald, Clarence T., 101 Milk bldg
Forster, Edward S., Pemberton bldg
Foster, Frank A., 34 School
Fraser & Clark (Consulting Marine), 88 Broad
French, Hollis & Alex. Hubbard (Consulting), Albany bldg
French, Zackary T. (M. E.), Old South bldg
Frizell, Jos. P., 75 Linden, Dor.
Fuller, A. D. (Consulting), 3 Hamilton pl
Fuller, Frank L. (Consulting, Civil & Hydraulic), 12 Pearl
Fuller, Whitney Survey's Corporation (& Surveyors), 15 Court sq
Gannett, Chas. H. (& Surveyor), 53 State
Geist, Frank W., 85 Water
Gooding, Chas. S. (Consulting M. E. & Patent Solicitor), 28 School
Guiler, Gordon Engineering Co. (M. E.), 10 Broad
Hall, Frederick P., 85 Devonshire
Hancox, Benj., Jr., 1 Ashbourton pl
Hannan, Wm. R., 34 School
Harriman Bros., 53 Charles
Harrington, Ephraim & Co. (Consulting C. E. & M. E.), Pemberton bldg
Haven, H. M. (M. E.), 53 State
Hawes, Louis E. (Consulting, Civil & Hydraulic), 101 Tremont
Hemenway, E. Perley (M. E.), The Kilby
Hersey, F. M., 62 Devonshire
*Hibbard, Thos. (& Treas., Geo. Lawley & Son Corp.), 696 E 1st, S B
Hill, Ray Engineering Co. (Consulting), 110 State
Hill, R. H. Co. (M. E.), 70 Kilby
Hodges, Gilbert (Consulting), 131 State
Hodges & George (Consulting), 6 Beacon
Hollingsworth, L., Jr. (M. E.), 54 Kilby
Holman, Geo. U. G. (Consulting), 84 State
Howe, Edw. W., 65 City Hall
Howland, Albert H., 110 Tremont
Hutchinson, W. Spencer (Mining), 15 State
Hyde, Danl. W. (& Surveyor), 15 Court sq
Jack, Geo. M., 62 Devonshire
Jacobs, Davis & Barringer (Consulting), 95
Jackson, Wm. (City), 50 City Hall Milk
Jackson, Wm. H., 40 Chestnut
Johnson, Wm. S., 101 Tremont
Kelly, Wm., 366 W B'way
*Kendricken, Paul H., Ingalls & Kendricken, 80 Sudbury
Kimball, R. D. (Consulting), 6 Beacon
Kitfield, Edw. H. (Consulting M. E., Electric Railway & Lighting & Power Plants & bldgs.), 53 State
Lapworth, E. W., 14 Old Court House
Libby, Wilbur L. (Mining), Old South bldg Milk
Lockwood, Green & Co. (Mill M. E.), 98 Federal
Lockwood Mfg. Co. (M. E.), 61 Sumner, E. B.
Lombard, Walter E. (M. E. & Draughtsman), 7 Water
Long, J. H. Machine Co. (M. E.) 184 High
Lowe, N. M. (M. E.), 88 Court
McClintock, John N. (Consulting & C. E.), Old South bldg
McClintock & Woodfall, 15 Court sq
McLauthlin, Geo. T. Co. (M. E.), 120 Fulton
McLean, Sidney W., 1196 Morton, L. M.
McInnis, Angus A., 95 Milk
Macksey, H. V., Tremont Temple
Mahoney, W. F., 80 Tremont
Main, Chas. T. (Consulting M. E.), 45 Manley, Hy., 52 City Hall Milk
Manson, Daniel E. (Consulting M. E.), 131
Marden, H. H., Jr., 25 Bloomfield State
Metcalf & Eady, 14 Beacon
Metropolitan Contracting Co. (Consulting), 95 Milk
Mildram, H. C., Old Court House
Miller & Franklin Co. (M. E. & Production Engineers), 319 Washington
Milne, Alex. P., 88 Broad
Miner, Franklin M., Old Court House
Moaks & Johnson (M. E.), 20 Central
Moore & Co., Pemberton bldg
Moses, H. H., 17 Ellis Rox.
*Moultrop, I. E., 39 Bolyston
Murray, Leon B., 46 Cornhill
Newman, Rolf R., 14 Beacon
Packard, Geo. A. (Mining), 50 Congress
Palmer, Alfred T., 53 State
Palmer, John E., Old South bldg
Payne, F. E. & Co. (Consulting), 6 Beacon
*Peabody, Cecil H. (Prof. Marine Engrg. & Naval Architecture), 491 Boylston
Pease, C. H. & Co. (M. E.), 7 Water
Pearson, Chas. A., 16 City Hall sq
Perkins, Chas. C., 25 Old Court House
Pierce, R. H., 35 Congress
Pillsbury, F. C., 126 Mass. av
Pratt, D. W., 62 Devonshire
Puffer, Wm. L., Equitable bldg
Purdy & Henderson, Paddock bldg
Quimby, Ralph A. (Chief Engineer & Surveyor), 53 State
Rice, David (M. E.), 87 Milk
Rice, L. Fred., Old South bldg
Rice, Ralph E., 101 Milk
Richards, Robt. H. (Mining), Mass. Institute of Technology
Rideout, H. Orville (Mining), 45 Milk
Roberts, Edward B., Old South bldg
Robinson, W. S. (M. E.), 28 State
Rogers, Edwin H., 8 Congress
Rogers, Geo. Vincent (Consulting), 31 State
Savage, J. E., 14 River, L. M.
Schaffler, Jos. C., 73 Tremont
Semple W. J. C. 23 Old Court House
Shailer, Robert A. (Consulting), 101 Tremont
Shaw, Edw'd S. (Consulting M. E., Bridges, etc.), 12 Pearl
Sheaff & Jaastad (Consulting M. E. & C. E. & Surveyors), 88 Broad
Sherman, C. G. (Consulting), 88 Broad
Sherman, C. W., 14 Beacon
Sherman, W. F., 88 Broad
Sherry, Frank E. (& Surveyor), 15 Court sq
Sleeper, G. Edw., 11 Cedar av, J. P.
Smith, Horace H., Ferd bldg
Smith, Sidney, 91 Maple W R
Snow, F. A. (& Surveyor), 166 Devonshire
Snow & Humphreys, 85 Water

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Spalding, Fred'k P., City Hall
Sprague, Timothy W. (Consulting), 88 Broad
Stackpole, Chas. F. (M. E.), 46 Cornhill
Stearns, Chas. K. (M. E.), 88 Broad
Stearns, Herbert R., 108 Cushing av, Dor.
Steele, Herbert B. (Consulting M. E.), 12 Pearl
Stevenson, James S. (M. E.), 563 Rutherford av
Stone & Webster Engineering Corporation,
Taylor, Lucian A., Tremont bldg 147 Milk
*Tilden, Jas. A. (G. M.), Hersey Mfg. Co.,
Tinkham, S. E., City Hall 314 W 2d
Tucker, Edward A., 683 Atlantic av
Turner, Edmund K., 53 State
U. S. Geographical Survey, 6 Beacon
Walworth, Arthur C. (Pres., Walworth Construction & Supply Co.), 100 Pearl
Warren, Hy. J. (Mining), 50 Congress
Waterhouse & Campbell (M. E.), 46 Cornhill
Webber, Wm. O. (Consulting M. E.), 53 State
Wenstrom, Olaf (Consulting Mining), 118 Devonshire
Westinghouse, Church, Kerr & Co. (Consulting M. E.), 131 State
Wetherbee, Geo. H., Ford bldg
Whaley, W. B. Smith (M. E.), Tremont
Wheeler, Wm., 14 Beacon bldg
Whiting, Chas. W. (M. E.), 83 Broad
Whitman & Howard (& Surveyor), 220 Devonshire
Whitney, Chas. F., 15 Court sq
Whitney, Frank O., 25 Old Court House
Whittle, C. L. (Mining), 50 Congress
Wilson, F. W. (Consulting), Board of Trade
Wilson, Herbt. A., City Hall bldg
Winslow, David H., Ford bldg
Winslow, Fred'k I., City Hall
Winther, Chas. A. G. (Consulting), 170 Summer
Wood, C. H. W. Co. (& Surveyors), 2380 Washington
Woodbridge, S. Homer, 420 Boylston
Worcester, J. R., 79 Milk

BRAINTREE—White & Wetherbee, Long's blk
BROCKTON—Chapman, Benj. R. (Asst. City)
Felton, Chas. R. (City), City Hall
Hayward & Howard, 15 Green
Norris, T. A. Machine Co. (M. E.)
Rogers, C. C. (M. E.), 254 Montello
*Washburn, Wm. S. Churchill & Washburn, 11 Crescent

BROOKLINE—Appleton, Chase B., Netherlands rd
*Bates, E. C., 38 Upland rd
Fitzgerald, Desmond
French Alexis H., Town Hall
*Hirt, L. J., Grove c. South
Smart, Rich. A., 683 Washington

CAMBRIDGE—*Bird, W. W. (Treas., Broadway Iron Foundry)
Bowker, E. F. (& Surveyor), 671 Mass. av
*Brooks, Edwin C. (Supt., Water Works), City Hall
Hastings, Louis M. (City), City Hall
*Hollis, Ira N. (Prof. of Engineering, Harvard Univ.)
*Kendall, Jas. H., Edw. Kendall & Sons, 168 Main
Leavitt, E. D. (M. E.), 317 Harvard
Lombard, N. C. (M. E.), 40 State
Mason, Wm. A. & Son (& Surveyors), 631
*Mellen, E. D., 1590 Mass. av Mass. av
Norris, A. E. (M. E.), 29 Main
Sanvens, Albert (Metallurgical)
Whiting, C. W., 68 Kirkland

CANTON—Endicott, Frederick
CHELSEA—O'Brien, James A. (City)
CHELSEA—Carr, Jos. R. & Sons, 466 B'way
CHICOPEE FALLS—Cobb, Frank P. City),
CONCORD—Wood, Albert E. 332 Grove
DANVERS—Bly, J. F.
DEDHAM—Smith, Nathaniel & Co. Worthington, Erastus
DEERFIELD—Arms, Richard
DORCHESTER—Peters, E. D. (Mining), 88 Percival
FALL RIVER—Beattie, Roy H., 57 N Main
Corbett, Edward M. (& Surveyor), 29 Bedford
Dyer, David H. & Son (& M. E.), 7 Pocasset Bank bldg
Hart, O. W. (M. E.), 151 Rock
*Henry, Wm. T. (& M. E.), 80 Borden blk
Marvell, Edw. J. (& Surveyor), 29 Bedford
Wolstenholme & Buffington (& Surveyors), 58 Bedford

FITCHBURG—Bailey, Wm. K., 117 Main
Raymond, George, 887 Main

FRAMINGHAM—Frost, C. J.
Van Valkenburgh, J. J.

FRANKLIN—Taft, Stephen C. (& M. E.)

GARDNER—Lee, E. M.

GREENFIELD—Barton, L. G.
Clapp & Abercrombie, Pond's blk
Day, C. J.
Walcott, Charles T.

HAVERHILL—Evans, Robt. B. (City), City Hall
Desmond, J. T., 210 Merrimac
Littlefield, J. M., 69 Merrimac
Spofford, Nelson, 14 Water

HINGHAM—Foster, Walter B.

HOLYOKE—*Bellows, Lewis E. (Treas., Barlow Mfg. Co.)
Ellsworth & Kirkpatrick (Consulting, Mfg. Plants, Water Supply, Sewage Disposal, Water Power, etc.), 18 Dwight
*Green, Samuel M. (Mech. Engineer, American Thread Co.)
Hills, Chas. H.
Mann, T. W., 35 Hampden
Tighe, Jas. L. (city), City Hall

HOPEDALE—*Day, Chas. M. (Gen'l Supt., Draper Co.)

HYDE PARK—*Fairbairn, W. U., 12 Green
Hammett, E. A. W., 10 Neponset blk
Norris, C. G., 45 Water
Richardson, Geo. L.
Taylor, Eugene H. (M. E. for John T.

LANCASTER—Parker, Harold Robinson Co.)

LAWRENCE—Crosby, Wm. W. (M. E.) (Prin., Lowell Tech. School)
Franklin, John, 316 Essex
Hudson, Chester E., 246 Essex
Littlefield, Chas. H., 234 Essex
Slostrom & Franklin, Central bldg

LEOMINSTER—Gates, John W.

LOWELL—Bowers, George (City), City Hall
Evans, Geo. E., 328 Wilder
*Hildredth, Chas. L. (Supt., Lowell Mach. Shops)
Hill, Nathaniel (& Surveyor), 228 Worthen
Osgood, Orin F., 228 Worthen
Smith & Brooks (& Surveyors), 26 & 27 Hildreth bldg
Snell, Ora M. (& Surveyor), 295 Central

LYNN—Eastman & Bradford (& Surveyor), 88 Exchange
Gay, Charles W. (& Surveyor), 25 Exchange
Harris, I. K. (& Surveyor), 59 Exchange
Hemingway, A. C. Machine Co. (M. E.)
Leland, Geo. I. (City), City Hall
Rogers, H. E., 38 Exchange
Winkley, E. E. & Co. (M. E.)

MALDEN—Mirick, Geo. L., 17 Pleasant
Sargent, Albert, 425 Main
*Tenny, Albert B. (Sec'y, Malden Elec. Co.)

MANCHESTER—Raymond, C. Allen

MARLBORO—Bigelow, Jas. F. (Consulting)

MEDFORD—Goodwin, Jas. O., 28 Main

MELROSE—Stevens, Walter C.

METHUEN—Howe, Jos. S.

MILLBURY—Garfield, Moses D.

MILTON—Churchill, W. W., Associates bldg
Hall, Fred'k P.
Sigourney, Harry H. W.

MONTAGUE—Clapp, Abercrombie, Turn's Falls

NATICK—*Gale, Horace B. (Consulting & Electrical)

NEW BEDFORD—Coggeshall, R. C. P. (Supt. Water Works)
Drake, Albert B. (& Surveyor), 164 William
Metcalf, Frank M. (& Surveyor), Merchants Bank bldg
*Stetson, Geo. R. (Pres., New Bedford Gas & Edison Light Co.)
Williams, Wm. F. (City), 76 Pleasant

NEWBURYPORT—Dame, Luther, 76 State
Langdon, G. W., 6 Park

NEWTON—Blake, Percy M., 85 Wash'n N'ville
Sawyer, Edw.
Smillie, Edward S., 429 Centre
Thompson, Sanford E., 68 Hartford, N. H
Wight, William W., N. C.

NORTH ADAMS—Emigh, Jno. H., Dowlin blk
Gardner, Roswell (City)
*Hunter, Jas. D. (Vice Pres., Hunter Machine Co.)
Locke, F. B. (City)
Smith, Frederick S., 57 Main

NORTHAMPTON—Davis, E. G. & E. E., 78
Patterson, Malcolm D., 68 Centre Main
Pomeroy, W. C. & Co. (M. E.)
Thacher, L. M. (City), 59 Main

NORTH ATTLEBORO—Westcott, F. T.

NORWOOD—Smith, Geo. A.

PALMER—Ball, Edwin P.
Brainard, Wm. H.
Gager, Luther H.

PEPPERELL—Blood, Lorenzo P.
Tarbell, Geo. G.

PITTSFIELD—Barnes & Spaulding, 28 West
Jones, E. D. & Sons Co. (M. E.)
Smith, Frederic S., 150 North

PLYMOUTH—Holmes, C. H., S Pond
Sampson, Levi R.
Sears, Walter H.

QUINCY—Branch, E. W., Adams bldg
Flood, Hamilton (City)
Lawton, Perry, 145 Hancock
Whitman, Herbert T., Adams bldg

RANDOLPH—Clark, Dexter

READING—Bancroft, Jas. A.

ROCKLAND—Howland, Chas. W.
Torrey, W. Archer

ROCKPORT—Pool, Calvin W.
Wires, H. P.

SALEM—Bellows, Ephraim H. (M. E.), 89
Cook, Henry, 1 Central Walter
Bickford, J. H. (M. E.), 209 Essex
*Hunting, A. A. (Consulting), 26 Mason
Metcalf & Ashton, 30 Church
Nichols, Andrew, Court House
Putnam & Ricker, 251 Essex

SAUGUS—Hancock, B. F.
Hawkes, Levi G.

SOMERVILLE—Bailey, E. W. (City), City Hall
*Boyer, C. W. & F. H. (M. E.), Hill bldg,
Elliott, C. D., 59 Oxford Union sq

SOUTHBRIDGE—Moore, A. C.
Whittaker, Jno. A.

SPENCER—Craig, Geo. A. & Son

SPRINGFIELD—Adams, Arthur A. (Supt of Streets)
Allen, Chas. W., 98 Bay
Allen, Geo. B., 98 Bay
Ball, E. B. & P., 21 Wellesley
Barker, J. K., 332 Main
Durkee, White & Towne, 292 Main
Falls, F. R. (M. E.), 68 Bridge
Merrill, Geo. N. & Co. (Consulting), 292 Main
Newton, Chester P. (M. E.), 627 Chestnut
*Rider, Thos. J., 51 Taylor
Slocum, Charles M. (city), 43 Bridge
Sprague, Harry L. (M. E.), 310 Main
Tinker, H. Kramer, 351 Main

SWAMPSCOTT—Eastman, F. H.

TAUNTON—Dean, Luther, Crocker bldg
King, Geo. A. (City), City Hall
Williams, Geo. L., 151 Weir

TOWNSEND—Stickney, A. F., W. T.

TUFTS COLLEGE—*Anthony, Gardener C. (Prof. Tech. Drawing)

UXBRIDGE—Aldrich, Ashabel F.
Pratt, Daniel

WAKEFIELD—Cutter, Frank P.
Hawes, L. E.

WALPOLE—Grover, Edmund
Robbins, Dana W.

WALTHAM—Cutting, Geo. W. (C. E.)
Hobbs, Geo. E. (M. E.)

WARE—Eaton, Wm. C.

WATERTOWN—*Day, E. W. (M. M., Hod River Co.)

WEBSTER—Clarke, Henry J.
Wakefield, B. A.
Whittaker & Berger

WELLESLEY—Fuller, Frank L.
Sawyer, Walter H.
Taylor, Chas. N.

WESTFIELD—Parks, Oren E. (City), Town Hall
Thayer, L. F. (& Surveyor), E. Silver
Tinker, C. H.

WEST NEWBURY—Brown, Gilman W. (M. E.)

WILLIAMSTOWN—Walker, Alex.

WINCHENDON—*Whitney, Baxter D.
*Whitney, Wm. M.

WINCHESTER—Fletcher, Elmer D. (Town)
*Leland, S. D. (Supt., United Shoe Mach. Co.), McKay Dept, Factory
Pratt, Daniel W.

WOBURN—Hartshorn, G. F.
Parkhurst, E. B. (M. E.), 12 Buel pl
Smith, J. W. (M. E.), 9 Union

WORCESTER—Alden, George I. (Consulting), West Boylston
Allen, Chas. A. (Consulting), 44 Front
*Barnum, Dana W. (Supt. Distribution, Worcester Gas Light Co.), 240 Main
Browning, H. H., 405 Main
*Burbank, L. S., 66 Bakon
Buttrick & Pratt, 340 Main
*Daniels, Fred. H. (Chief Engineer, American Steel & Wire Co.), 94 Grove
Eddy, Harrison P. (Consulting)
McClure, Fred'k A. (City), City Hall
*Morgan, Chas. H. (Pres., Morgan Constr. Co. & Morgan Spring Co.), 21 Lincoln
*Morgan, Paul B. (Sec'y, Morgan Cons. Co.), 21 Lincoln
Parker, Chas. D. (M. E.), 22 Cypress
Parsons, S. B. (Surveyor), 50 Apricot
Rawson, L. W. (M. E.), Supt., Worcester Poly. Inst.
*Reed, Edgar (Pres., Reed & Prince Mfg. Co.)
*Rice, A. C. (Consulting & M. E.), 340 Main
Rockwood, George I. (M. E.), 62 Summer
Rugg, O. Willis (& Surveyor), 340 Main
*Smith, Harold B. (Prof. Elec. Engineering, Worcester Poly. Inst.)
Thompson, W. I., 340 Main
Thompson & Gallagher (Consulting C. E. & M. E.), 339 Main
Tolman, E. F. (M. E.), 18 Catharine
Tribe, Geo. T., 339 Main
*Washburn & Garfield Mfg. Co.
Woods, Arthur W., 518 Main
*Wyman, Horace (Vice Pres. & Gen'l Mgr., Crompton Loom Works), 126 Green

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MICHIGAN.

ADRIAN—Blair, James
King, H. N.
Phillips, F. R. (Surveyor)
ALLEGAN—McDougall, Hugh
ALPENA—Comstock, D. S.
Kline, L. T. (M. E.)
McNeil, J. W.
ANN ARBOR—*Allen, Jno. R. (Asst. Prof. Mech'l Eng'r, Univ. of Michigan)
*Cooley, M. E. (Prof. Mech'l Eng'r, Univ. of Mich.)
Groves, E. W. (City)
Post, Edw. C. (M. E.)
BAD AXE—McFadden, Duncan
Stendwick, Hy
BATTLE CREEK—Hunt, E. U. (City)
Ularhoff, A. L.
Whitney, H. K.
BAY CITY—Bloomshield, John (Consulting, Waterworks, etc.), Shearer blk
Carney, Maurice P. (M. E.)
Garland, Harrison W. (M. E.)
Johnston, J. M. (Surveyor), Union blk
Kelly, J. A., 25th bet B'way & Marsac
Thompson, Henry C. (Consulting), 605 Ohio
Turner, Geo. E. (Co. Surveyor), City Hall
Wilcox, Geo. B. (Consulting M. E. & Patent Attorney)
BELLAIRE—Jenkins, J. R.
BENTON HARBOR—Downer, S. B. (M. E.)
BESSEMER—Baker, H.
Rupps, Geo.
BIG RAPIDS—Boben, D. B. & Co.
June, L. W.
BRONSON—Hamilton, Chas.
CADILLAC—Teed, A. J. & Son
Teed, D. E.
CALUMET—Scott, Donald M., Laurium
CARO—Brumley, L. M.
CASSOPOLIS—Haines, J. S. (Co. Surveyor)
CHARLEVOIX—Nettleton, D. C.
Robinson, E. K.
CHARLOTTE—Newcomb, M. E.
CHEBOYGAN—Bowen, David
Rollo, G. V. D.
Ward, M. E.
COLDWATER—Hamilton, Chas.
CORUNNA—Joslin, E. F.
CRYSTAL FALLS—Baker, Henry
Eggleston, Seymour
DETROIT—American Car & Foundry Co. (M. E.), 445 Ferry av
Barcroft, Fred'k T. (Consulting), Penobscot bldg
Bartlet, O. E. (M. E.), Moffat bldg
*Baugh, S. A. (& Mining), 118 23d
Bothfeld, Chas. C. (Consulting), Penobscot bldg
Brown, M. L. & Co., 821 Cham of Com
*Brush, Allen & Anderson (Consulting M. E.), Penobscott bldg
Campau, Thos. & Son, Whitney bldg
Cole, H. B., Tolsona bldg
Conant, W. S. (Consulting M. E.), Bank Chambers
Comstock-Haigh-Walker Co. (M. E.), Campau bldg
Courtis, Wm. M. (Mining), 449 4th av
Detroit River Iron Works (M. E.), 655 Atwater
Detroit Testing Laboratory (Mining), Union Trust bldg
Dow, Alex. (M. E.), (Gen'l Mgr., Edison, Ill. Co.), 18 Washington av
Duffield, M. S. (Mining), Union Trust bldg
Ekstrom, Gunnar (M. E.), Stevens bldg
Gabriel Concrete Reinforcement Co., Penobscot bldg
Graves, Geo. Wm. (M. E.), Cleland bldg
Jerome, Edwin, 61 Washington av
Jones, John (Mining), Majestic bldg
Kimball, Geo. H. (Consulting), Penobscot bldg
King, W. C., Moffat bldg
*Kirby, Frank T. (Consulting M. E.), 1565 Russell
Lane, Horace H. (M. E.), Penobscot bldg
Lloyd Construction Co. (Civil), 860 Greenwood
Major Marine Gas Engine Co. (M. E.), 279 Jefferson av
Maxwell, David (Consulting), Penobscot bldg
Middleditch, Benj. (M. E.), 103 Meldrum av
Mueller, G. A. (M. E.), Ferguson bldg
Rogers, O. T. & R. R. Co. (M. E.), 40 Chope pl
Russell, Herbert L. (C. E.) & Consulting), Moffat bldg
Russell, W. O. (D. U. R'y), 590 Champlain
Stewart, Robt. Stuart (Consulting), Penobscot bldg
Thomas, S. E. & Co. (Consulting), Buhl blk
Van Tuyl, Frank F. (M. E.), Union Trust bldg
Von Schon, H. (Consulting), Wayne County Savings Bank bldg
Walker, J. N. (Mining), 40 Larned, E
Weil, Charles & Co. (Consulting), Union Trust bldg
Westinghouse, Church, Kerr & Co. (Consulting C. E. & M. E.), Penobscot bldg
Whitehead & Kales Iron Works (M. E.), Beecher av & M. C. R. R.
Wormer, C. C. Machinery Co. (M. E. Contracting for Complete Power Plants), 99 W. Woodbridge
Wray-Austin Machinery Co. (Inc.) (M. E. Contracting for Complete Power Plants), 171 Woodbridge av. W.
ESCANABA—Brotherton Co.
Craig, John S.
Palmer, Cornelius
Royce, Ell P.
FENTON—McCalmon, John
Walker, M.
FRANKFORT—Pettit, J. A.
FREMONT—Anderson, D. G.
GAYLORD—Hoffman, D. M.
McCallummore, E. F.
GLADWIN—Doane, G. W.
GRAND HAVEN—Peck, E. H.
GRAND MARAIS—Roundtree, Jas.
GRAND RAPIDS—Anderson, L. W. (City), 13 Eureka av
Annable, Fitzgerald Engineering & Mfg. Co., Michigan Trust bldg
Bradfield Engineering Co. (M. E.), 2 Huron
Christ, E. H., Norris bldg
Hauser, Owen & Ames, 121 N Ottawa
Hawes, J. J., Jr., Michigan Trust bldg
Holmes, A. L., 574 Wealthy av
McVean & Northrup (Consulting), Housman bldg
Phoenix Sprinkling & Heating Co. (M. E.), 106 S Division
Rumsey, Jas. L., 374 Grandville av
Rusche, J. P., 4 Portsmouth ter
Skeels, Dorr, 221 Houseman bldg
*Tower, Daniel W. (Pres., Grand Rapids Brass Co.), 156 Court
GRAYLING—Blanshaw, Wm.
Newman, A. R.
GREENVILLE—Caukin, H. M.
HARBOR BEACH—Tucker, J. H.
HARBOR SPRINGS—Palmer, Marion (Surveyor)
Swift, John (Surveyor)
HART—Hyde, E. M.
Wetmore, F. F.
HASTINGS—Bateman, A. N.
HILLSDALE—Mark, G. A.
HOLLAND—Huntley, Alfred (M. E.)
Price, James
HOUGHTON—*Burgan, A. L. (Supt., Isle Royal Dengler, Theo. Copper Co.'s Stamp Mill)
Edwards, J. P.
Pryor, R. C. (Mining)
Sanders, C. W. (M. E.) (Chief Eng'r, Copper Royal R. R.)
HOWELL—Bullock, M. W.
INGHAM—Weil, Chas. L. (M. E.) (Prof. Mech'l Eng., Mich Agr'l College)
IONIA—Crawford, D. C.
IRON MOUNTAIN—Armstrong, Herbert
IRONWOOD—Goudie, J. H. (Mining)
ITHACA—Harrod, J. H.
Redman, E. W.
JACKSON—Brown, C. W. (M. E.), 114 W Trail
Cowham Engineering Co. (Consulting & Contracting M. E. for Complete Power Plants of All Kinds)
Fargo, Wm. G., 117 E Cortland
Frost, J. B., 184 W Main
Johnson, Hamilton (City)
KALAMAZOO—Albertson, D. J.
Pierson, Geo. S. (Consulting Water Supply, Sewerage & Sewage Disposal)
Rose, Albert E.
Strong, E.
Taft, Miner, C., 723 Staple av
KALKASKA—Nicholson, Louis (Co. Surveyor)
LAKE LINDEN—*Coggin, Fred'k G. (Supt., Calumet & Hecla Stamp Mills)
LANSE—McKercher, James
LANSING—*Rement, Clarence E. (Supt., E. Bement & Sons)
LAURIUM—Scott, D. M.
LUDINGTON—Mitchell, C. E.
Towns, R. O.
MANCELONA—Jenkins, Joseph R.
MANISTEE—Baker, S. H.
Hubbell, J. J.
MARINE CITY—McKenzie, J. E.
MARLETTE—Arthur, C. W.
MARQUETTE—Cummings, Chas.
Cummings, G. P. & Son
Payne, H. J.
MARSHALL—Courtright, P. A. (City)
Jor, P. S.
MASON—Meech, E. R.
MENOMINEE—Hass, Albert (City)
MIDLAND—Gibbs, F. T.
Jenny, C. L.
Olmstead, Sherman
MOUNT CLEMENS—Fessenden, Cortes
Irwin, J. W.
Sackett, L. M.
MOUNT PLEASANT—Coburn, E. R.
MUSKEGON—Abbott, Jno. C. (Surveyor)
*Mason, H. I. (Sup't, Shaw Elec. Crane Co.)
NEWAYGO—Jacques, Wm. M. (Co. Surveyor)
NEWBERRY—Metcalf, C. W.
NORWAY—Hallberg, G. A.
ONTONAGON—Oley, Chas. (Co. Surveyor)
Parker, A. F.
OWOSSO—Byerly, Chas. A. (M. E.)
Main, H. C.
PAW PAW—Mutchler, George
PENTWATER—Grant, Hobart A.
PETOSKEY—Benham, Geo. W. (M. E.)
Heyden, O. S.
Palmer, Marion
PONTIAC—Fisher, Wm. J.
Serrell, S. J.
Slater, F. A.
PORT HURON—Danger, Chas.
Kaumeier, Jno. C., Jr. (Consulting M. E.)
Paldi, Justin L.
*Weber, Otto L. E. (Mgr., Michigan Sulphite Fibre Works)
ROMEO—Fessenden, C. P.
SAGINAW—Fischer, J. G. (M. E.), 216 N Franklin
Holmes, Chas., 501 S Park, E. S.
Lamar, H. H. (City), 109 Leper av
Leavenworth, I. H., 126 N Harrison
Roberts, R. W., 11 N Wash'n av
Sears, Wm. B. (Consulting), 614 N 7th
ST. CHARLES—Tefft, J. G.
ST. CLAIR—Poole, Mandeville
ST IGNACE—McElroy, Michael
ST. JOHNS—Clemons, J. F.
Eddy, Chas.
ST. JOSEPH—Cleary, Will J.
SAULT SAINTE MARIE—Brown, Fred. H.
Thompson, H. C. (City)
STANDISH—Carscallen, G. T.
STANTON—Caukin, H. M.
THREE RIVERS—*Howard, Geo. E., P. O. Box 286
TRAVERSE CITY—Allyn, E. H. (Co. Surveyor)
Bloomshield, Jno. (City)
TRENTON — *Church, Austin (Sec'y, Sibley Quarry Co.)
WEST BAY CITY—Bloomshield, J. H. (City), Mosher blk
Thompson, H. C., Fisher blk, Midland
WEST BRANCH—Galbraith, J. W.
WILLIAMSTON—Mullett, J. H.
YPSILANTI—Allen, Jerome
Woodward, C. S.

MINNESOTA.

ADA—McKenzie, Alex.
AITKEN—Armstead & Kelly
ALBERT LEA—Barneck, Wm.
Fisk, F. H.
ALEXANDRIA—Abercrombie, John
AUSTIN—Clausen, M. N.
Nason, V. A.
BARNESVILLE—Butler, Nathan
Majers, N. N.
BEMIDJI—Stoner, M. D.
BENSON—Lawson, L. H.
BLUE EARTH—Remington, F. E.
BRAINERD—Bartlett, J. F.
BRECKENRIDGE—Flynn, J. T.
BROWNS VALLEY—Rutledge, Edw.
BUFFALO—Blom, A. A.
CALEDONIA—Briggs, E. S.
CHASKA—Neustel, Conrad
CROOKSTON—Arnold, W. F.
Carroll, J. E.
Hamery, O. J.
Ralph, G. A.
DETROIT CITY—Morton, Wm. R.
DULUTH—Coleman, Edw. P. (M. E.)
Duluth Engineering Co. (Consulting), Palladio bldg
Hovland, H. B. (Mining), Lonsdale bldg
*Hugo, T. W. (Consulting M. E.), Board of Trade bldg
Lammers, T. L. (Mining), Manhattan bldg
McGilvray, T. F. (City), City Hall
Nichols, Raymond W., Manhattan bldg
Northwestern Engineering Co. (Consulting C. E., M. E. & Mining), Lyceum bldg
Paddack, L. E. (Mining), 18 W 3d
Reed, D. A., 308 Providence bldg
Wessinger, Henry J. (M. E.), Oliver Iron Mining Co.
EVELETH—Bailey, C. E.
FAIRMONT—Sawyer, G. S.
FARIBAULT—Reed, C. A.
FERGUS FALLS—Aalberg, Martin
Rieger, Hans
GLENCOE—Dieter, E. A.
Hankenson, J. J.
GLENWOOD—Kinney, K. J.
GRAND RAPIDS—Murchie, Jas.
GRANITE FALLS—Norgaard, John

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HASTINGS—Forbes, C. A.
Lowell, C. B.
HENDERSON—Mullen, S. F.
HIBBING—Carlson Exploration Co. (Mining)
Longyear, E. J. (Mining)
Sillman, A. P. (Mining)
HUTCHINSON—Dean, John
JACKSON—Buckle, Chas.
LE SUEUR CENTER—Sofberg, Edwd.
LITCHFIELD—Taylor, N. Y.
LONG PRAIRIE—Sargent, S. S.
MADISON—Loftfield, Berner
Clark, H. E.
MANKATO—Brooks, W. F.
Haynes, M. B. (Consulting)
Thompson, J. R. (City)
MARSHALL—Hawkins, W. A.
MILACA—Milton, E. V.
MINNEAPOLIS—Briggs, O. P. (M. E.), 500 Corn Exch
Buehler, Walter (Kettle River Quarries Co.)
Burch, E. P., Guaranty bldg
Dahl, P. M., the Phoenix
Egan, James E. (& Surveyor), Oneida blk
Elftman & Cull (Mining), Globe bldg
Fanning, J. T. (Consulting), 602 Kasota bldg
Fanning, R. B., 602 Kasota bldg
Jager & Straus (Mechanical), Security Bank
Jensen, James (M. E.), 618 Corn Exchange
Lagaard, Theo., 601 Globe bldg
Longyear, E. J. (Mining), N. Y. Life bldg
Lovell, Walter D. (Consulting), 415 S. 8th
Nelson, Anton, 3113 19th av
Nutter, F. H., Jr. (& Surveyor), 710 Sykes
Shepley, C. R., 900 N 48th blk
Small, J. S. (Consulting), Andrus bldg
Sublette, Geo. W. 3315 Irving av
Turner, C. A. P., Phoenix bldg
Woodbury, F. D., 1126 Plymouth av
MONTEVIDEO—Moyer, L. E.
Moyer, S. L.
MOORHEAD—Butler, Nathan
MORRIS—Wheaton, D. T.
NASHWAUK—Longyear, E. J.
NEW ULM—Boock, Geo.
Thompson, J. R. (City)
OLIVIA—Johnson, C. G.
ORTONVILLE—Chapman, R. H.
OWATONNA—Brown, F. C.
Dartt, H. S.
PINE CITY—Hamlin, W. H.
PIPE STONE—Pierce, J. W.
PRESTON—Case, H. H.
PRINCETON—Milton, E. V.
REDWOOD FALLS—Bigham, D. L.
RENVILLE—Johnson, C.
ROCHESTER—Armstrong, Chas. G.
Fraser, Wm. C.
RUSH CITY—White, J. E.
Chute, S. S.
SAUK CENTER—Frankenfield, A. (M. E.)
Leovaas, J. G. (M. E.)
ST. CLOUD—Morgan & Morgan (Consulting,
ST. JAMES—Nichols, E. E. Drainage, etc.)
ST. PAUL—Armstrong, J. H., 16 Court House
Brayton Engineering Co., N. Y. Life bldg
Clark, H. E., Nat'l G. A. Bank bldg
Claussen, Oscar (Consulting), Nat'l G. A.
Forbes, C. A., 508 Court blk Bank bldg
Fowble & Fritz (& Surveyors), 34 Union blk
Hoenck, Edw. (& Surveyor), Court blk
Irvine, J. B. (& Surveyor), Globe bldg
Loweth & Wolff (Consulting), 1st Nat'l Bk bldg
Morton, G. R. (Consulting), National G. A. Bank bldg
Rundlet, Leonard W. (Com. of Public Works), 78 City Hall
Sewall, J. S., 958 Eustis
Simpson, G. T. (Consulting), Pioneer Press bldg
Swenson, H. A. (& Surveyor), Endicott bldg
Tanner, K. & R. (& Surveyor), Manhattan bldg
ST. PETER—Daniels, H. W.
SHAKOPEE—Hilgers, Jno.
SOUTH ST. PAUL—Johnson, G. A. (City)
STILLWATER—Clarke, L. W.
Shepard, Myron
TWO HARBORS—Kempffer, Frank
VIRGINIA—Lamont, J. D. (Mining)
WABASHA—Beatty, Geo.
Cook, L. O.
WADENA—Bean, P. O.
WARREN—Wood, J. K.
WASECA—Smith, O. L.
WILLMAR—Day, J. S.
WINDOM—Gove, G. W.
WINNEBAGO CITY—Weir, G. A.
WINONA—Burns, E. C.
Coleman, G. P.
WORTHINGTON—Smith, M. S.

MISSISSIPPI.

CLARKSDALE—Dabney, T. G.
Head, W. L.
HATTIESBURG—Putnam, G. H.
JACKSON—Dudley, Chas. (M. E.)
Kirkpatrick, W. G. (City)
MAGNOLIA—Kramer, Xavier A.
NATCHEZ—Dalgarn, L. M. (City)
SCRANTON—Sturtevant, C. W.
VICKSBURG—McFarland, C. E.
Searles, J. M.
WEST POINT—Hall, Thos. V. (Consulting)
YAZOO CITY—Smith, Enia

MISSOURI.

BETHANY—Werminger, J. J.
BEVIER—McCullom, Frederick (M. E.)
BOONVILLE—Ollison, Clarke
Ravenal, S. W.
Trent, W. W.
BROOKFIELD—Gilchrist, E. M.
BUTLER—Haggard, D. L.
Johnson, R. E. (County)
CARTHAGE—Grieb, Victor
Jackson, C. S.
COLUMBIA—Quinn, P. S.
Watts Engineering Co.
FAYETTE—Wisely, John D.
FULTON—Cave, John C.
GALLATIN—Lockbridge, Geo.
GLASGOW—De Witt, W. R.
Fox, S. Waters
GRANT CITY—Tandy, Benjamin
GREENFIELD—Long, A. M.
HIGGINSVILLE—Turman, S. F.
HUNTSVILLE—Baithis, Frank S.
INDEPENDENCE—Jones, R. H.
Pendleton, H. H. (City).
JACKSON—Bean, L. M.
Brooks, J. F.
JEFFERSON CITY—Dewey, Chas. E.
Harding, E. F. C. (City)
JOPLIN—Church, L. O. (Consulting)
Dorman, Andrew F.
McKee, S. J. (City)
Miles, Orson E.
Nicholson, Frank (Consulting)
Plumb & Sansom (& Mining), McKinley bldg
KAHOKA—Ingold, S. F.
KANSAS CITY—Abercrombie, H. B. (Co. Surveyor), 3641 Bell
Barnett, R. C., K. C. Life bldg Co. bldg
Beard, Edw. J., 3928 McGee
Blodgett, A. M., Thayer bldg
Bontecou, Dan'l (Consulting), Postal Telegraph bldg
Brown, Edw. A., 3229 Paseo
Burns, Clinton S. (Consulting), Dwight bldg
Burns & McDonnell (Municipal Work, etc.), Scarritt bldg
Cholar, Byron E., 2840 Troost
Cudworth, Axtell & Co. (Consulting), K. C. Life bldg
Donnelly, Jno., 401 Whittier pl
Drinkard, B., Dwight bldg
Elkins, J. T. (Mining), 2631 Troost
Farnsworth, E. I., 1328 B'way
Filley, Hart H., 2816 Campbell
Fox & Smith (Consulting), K. C. Life bldg
Fratt, F. W., Shukert bldg
Freeborn Eng. & Const. Co. (Consulting), 706
*Gambol, C. W., 604e 38th Heist bldg
Great Western Mfg. Co. (M. E.), 1223 Union av
Gregg, W. S. (Consulting), Postal Tel. bldg
Gunter, R. T., 510 Brooklyn
Harmon, W. L., 23 W 31st
Hervey Machine Works, 408 Grand av
Hofmann, Ottokar (Metallurgical), 2110 Troost av
Hoover, J. W., 514 N. Y. Life bldg
Kansas City Eng. Co. (M. E.), Postal Tel bldg
Klersted, Wynkoop, 58 Water Works bldg
Knight, Thos. (Consulting), Gibraltar bldg
Koehler Bros. (& Surveyors), Essex bldg
Koehler, Oscar R. (Surveyor), 6 Court House
Lee, J. R., 515 Main
McCarty, R. J., 3820 Warwick boul
McDonnell, Robert E. (Consulting), Dwight bldg
Malcomson, Jas. W. (Consulting), 1 Bryant
Mitchell, S. A., Bryant bldg bldg
Moreland, J. H. (Mining), 14 W Mo. av
Morgan Machine & Eng. Co. (M. E.), 1422 Walnut
O'Flaherty, F. P., Ricksecker bldg
Orr, Robert B. Engineering Co., Shukert bldg
Palmer, W. K. (Consulting M. E.), Dwight bldg
Pennell, Arthur (M. E.), Heist bldg
Priestly & Edson (M. E.), K. C. Life bldg
Todd, F. H., 518 Colorado
Tuttle & Pike (& Surveyors), 600 Baird bldg
United States Engineering Co., 109 W 18th
Voertil, Theo. (M. E.), 614 Century bldg
Waddell & Harrington (Consulting), New Nelson bldg
Waddell & Hedrick (Consulting), New Nelson bldg
Weeks, Kendall & Co. (Consulting), New Nelson bldg
Wheeler, W. A., 418 Lawton pl
Willis, Bixby, N. Y. Life bldg
Winkler, E. T., 628 Locust
Wise, Henry A., 1204 Virginia
Wynkoop, Klersted (C. E.), Water Works
KIRKSVILLE—Hall, Stephen (City) bldg
KIRKWOOD—Baker, H. W.
LAMAR—Goodwin, C. D.
LEBANON—Willard, Timothy
LEXINGTON—Mulligan, John
Nichols, H. L. (M. E.)
MARSHFIELD—Smith, Alexander
MEXICO—Rodgers, C. D.
MOBERLY—Estell, H. V. (City)
MOUND CITY—Morris, W. M.
NEVADA—Wood, W. H.
NEW MADRID—Hunter, L. H.
OSCEOLA—Bowles, R. C.
PALMYRA—Scheets, H. C.
PARIS—Grigsby, J. N.
PLATTSBURG—Everly, A. J.
POPLAR BLUFF—Bacon, Ernest (City)
Puckett & Raudabaugh
PRINCETON—Sheets, W. P.
ST. LOUIS—Abadie, E. H. Co. (Consulting M. E.), Times bldg
Alford, H. Carroll (Mining), 407 N 8th
Allan, David, 4345 Arco av
Allison, Jas. E. (M. E.), 408 Olive
*Ball, P. De C., 912 N Main
Bergendahl, Gustav, 915 Olive
Bleeck, Oscar W. & Son, 816 1-2 Chestnut
Bosley, Elijah M. (M. E.), 119 N 7th
Bowen, A. L., 107 N. B'way
Boyce, W. D. Engineering Co. (Consulting M. E., Electric Railways & Power & Lighting Plants), Chemical bldg
Boyle, John, Jr. (Mining), 719 Chestnut
Branch, Jos. G. (M. E.), 211 N 7th
Branch, Jos. G. (M. E.), Holland bldg
Brenneke & Fay, 122 N 7th
Brown, Baxter L., 408 Olive
Brown, J. B. (Mining), 3d & Cedar
Brussel, Hughes, 318 N 8th
*Bryan, W. H. (Consulting M. E.), Lincoln Trust bldg
Burchard, Samuel W., 6523 Odell
Burnet, Geo., 6623 Michigan av
Cameron, D. F. (Mining), 408 Olive
Chauvenet, R. & Bro. (Mining), 620 Chestnut
Caudle, Geo. W. (M. E.), 2220 McCausland av
Colby, B. H. (Consulting), 319 N 4th
Davis, Lewis B., 211 N 7th
Dodds, J. T. (& Surveyor), 717½ Chestnut
Dodge Mfg. Co., (M. E.), 507 N Main
Elliott & Barry Engineering Co. (M. E.), 705 Olive
Fay, Wm. (Consulting M. E.), 721 Olive
Finlay, Edwin C., Chemical bldg
Flad, Edward (Consulting C. E. & M. E.), Fullerton bldg
Ford, Owen (& M. E.), 319 N 4th
Furrell, Edw. W. (Consulting M. E.), 721 Olive
Garrells, W. L. (M. E.), 1707 S 3d
Gayler, Carl (Consulting), 105 N 7th
Gurley Eng. Co. (M. E.), 810 Olive
Haas, Cyrus A. & Co. (M. E.), 122 N 7th
Hammond, Chester (M. E.), 4031 Botanical av
Haydock, Chas. L., 5975 Cote Brilliante av
Hinckley, J. F., 906 Olive
Hinze, Fred'k J., 4323 Tyler av
Holman & Laird (Consulting), 721 Olive
Humphrey, Henry H. (Consulting C. E. & M. E.), Chemical bldg
Itawaba Engineering Co., Chemical bldg
Joyce, John G., Jr., 722 Chestnut
Joyce Surveying Co. (City Surveyors), 620 Chestnut
Kimball, Clinton, 1710 S 11th
Kinealy, John H. (M. E.), 406 Market
Kinsey, E. R. & Bros., 821 Chestnut
Ledlie, Chas. H., 220 N 4th
Lichter & Jens (Consulting C. E. & M. E.), Chemical bldg
Lucas & Co. (M. E. & Patents), 620 Chestnut
McCarthy, J. L. D. Architectural & Engineering Co., 816 Olive
McCulloch & Co. (M. E.), Security bldg
McKeen, Benj. (Vandalia R'y), Century bldg
McKinlay, H. T. (M. E.), 319 N 4th
McMath, R. E. Surveying Co. (Surveyors), 706 Chestnut
Mahler, L. F. Co. (M. E.), 721 Olive
Markmann, Philip J., 407 N 8th
Martin, L. Wynee (M. E.), 5545 Gates av
Monell, Jos. T. (Mining), 3454 Halliday av
Moore, P. N. (Mining), 408 Olive
Moore, Robert (Mining), 408 Olive
Moreno, Chas. A. (M. E.), 313 N 9th

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Morse, Wallace (M. E.), 7121 Marie
O'Reilly, Andrew J. (M. E.), 2207 S Grand av
Osterhorn, Rob't Architectural & Engineering Co. (Consulting M. E.), 1023 N 6th
Percival & Jones (Consulting M. E.), Burlington bldg
Phillips, Hiram, 906 Olive
Phillips, Richard H. (Consulting), 319 N 4th
Pitzman's Co. of Surveyors & Engineers (& Surveyors), 615 Chestnut
*Potter, Wm. B. (Mining), 1225 Spruce
Pritchett & Janni, 721 Olive
Raupp, Carl, 4975 Reber pl
Reber, Maxime, 421 Olive
Regel, F. H. (Mining), 833 N 3d
Richardson, William A., 207 N 8th
Rivers, Julian H. (M. E.), 407, N B'way
Rohwer, Henry, 207 N 8th
Ruby, Chas. F. (M. E.), 3230 Tennyson sq
Ruebel & Wells (Consulting M. E.), 721 Olive
Russell, S. B. (Consulting Water Works, Pewer Plants, etc.), 417 Pine
Sawitzki, Julian V. (M. E.), 4814 Fountain av
Sessinghaus, G. (Mining), 4336 Olive
Shields, Walter, 313 N 9th
Sobolewski, Edw. F., 5751 Etsel av
Spencer, E. J. (Consulting), 408 Olive
Taussig, Hubert P., 321 N 14th
Thacher, A. (Mining), 510 Pine
Thurman, Jno. S. (Consulting M. E.), 4436 Olive
Tyrrell, W. A. (Consulting), 620 Chestnut
Van Sant, R. L., 421 Olive
Vitebro, Lionel R., 318 N 8th
Vonder Lippe, Ernest, 721 Olive
Watts Engineering Co., 705 Olive
Wheeler, H. A. (Mining), 510 Pine

SAVANNAH—Hine, W. G.
SEDALIA—White & James (M. E.)
Yeater, Merritt
Zoll, C. H. (City)

SPRINGFIELD—Culler, G. W. (& Surveyor), Baker blk
Stone, R. C. (M. E. Flour, Corn & Feed Mills)
Eddy, R. S. (Consulting C. E. & M. E.), 123½ Public sq
Hollenback, M. M., 714 S Jefferson
Phillips, C. E., 535 State
Reed & Heckenlively, Theatre bldg

WARRENSBURG—Zoll, C. H.
WEST PLAINS—Summers, W. P.

MONTANA.

ANACONDA—Lord, H. S.
Tobin, Pat'k

BOULDER—Cralle, R. M.

BOZEMAN—Frost, Frank (Mining)
Robertson, J. M.
Thorpe, C. M.

BUTTE—Baker, T. T., 60 Silver Bow blk
Baker & Wilson (Mining)
Bard, Darsey C. (Mining)
Bergstrom, O. (Mining)
Clark, H. S. (Mining)
Corry, Arthur (Mining)
Davis, J. E.
Frank, Albert
Glass, Jas. (Mining)
Harper & Macdonald (Mining)
Heywood, William A. (Metallurgist)
Higgins, Edwin (Mining)
Kent, Edmund (M. E.), P O Box 1067
Knight, A. B. (Mining)
Leggatt, Alexander (Mining)
Leggat, J. B. (Mining)
Mitchell, F. S. (Mining)
Munroe, A. F.
Pennington & Barker (Mining), 36 E Granite
Rueger, J. A. (M. E.), 1204 N Main, Walkerville
Schiertz, F. A. (Mining)
Stephens, A. H. (Electrical & M. E.), 816 W. Mercury
Wilson, E. H. (Mining), Hennessy bldg
Winchell, H. V. (Mining)

DEER LODGE—Davis, H.

DILLON—Metlen, G. R.

FORT BENTON—Merrifield, A. W.

GREAT FALLS—Bird, G. W.
Lowery Engineering Co. (V. M. E.)
Whitten, B. D. (M. E.), Phelps blk
*Woodbury, L. S. (Pres., Great Falls Iron Works)

GOULD—Schiertz, F. A. (Mining)

HAMILTON—Kippen, M. D.

HELENA—Atwater Richard M., Jr. (Mining)
Brown, G. L. (Mining)
Brown, Wilton G. (Consulting)
Dickerson, Winchester (Mining)
Farmer, J., Court House
Helmick, C. W. (City & Mining), 29 Pittsburg blk
Hovey, A. S. (Mining) 26 Merchants' blk
Ropes, L. S. (Consulting Mining)
Sanders, Wilbur E. (Mining)
Sizer, F. L. (Consulting Mining)
Wickes, G. T. (Mining)
Word, William F. (Mining)

KALISPELL—Gibson, J. B.
Jaqueth, A. L.

LEWISTOWN—Hogeland, F. A.
Stafford, G. M.

LIVINGSTON—Crookes, S. H.

MILES CITY—Flynn, W. P.
Scheetz, Geo.

MISSOULA—Brandshaw, Jeremiah
Dorman, E. S. (Mining)
Finkelnburg, O. C.
Hughes, Elmer
Orr, Newton

PHILIPSBURG—Cralle, Edw. A.
Donyes, C. F.
Wilson, G. W.

RED LODGE—Taylor & Kimball (Mining)

NEBRASKA.

BEATRICE—Parrish, A. S. (M. E.), P. O. Box 33

FAIRFIELD—Pricket, C. M.

FALLS CITY—Crook, J. A.

FREMONT—Andrews, J. W.

GRAND ISLAND—Baldwin, C. A. (City)

HASTINGS—Heartwell, C. A. Co. (Surveyor)

KEARNEY—Allen, A. G. (M. E.)
Gillet, A. F. (M. E.)
Wilson, Jas.

LINCOLN—Bates, G. W., 3090 R
Bing, E. R., 1543 S. 22d
*Brooks, Morgan (Prof. Elec'l Engr'g, Univ. of Michigan)
Dobson, Adna (State Engineer), 945 D
Hurts, Theo. E., 1127 O
Nicholson, Hudson H. (Consulting)
*Richards, Chas. R. (Prof. Mech'l Engr'g, Univ. of Nebraska)
Sargent, C. H., 629 N 16th
Walton, James P., 1630 Washington

NEBRASKA CITY—Munn, A. M., 112 N. 6th

OMAHA—Blickensderfer, Lewis (Consulting), Bee bldg
Gardiner, L. H. (Consulting), 1st Nat'l Bank Bldg
House J. E. (& Surveyor), 1st Nat'l Bank Bldg
Koenig, A. C., Bee bldg
McEathron, W. J. (& Surveyor), Paxton blk
Rosewater, Andrew (Sewerage)
Shaw, Thomas (& Surveyor), Paxton Blk

PLATTSMOUTH—Hilton, E. E.

STANTON—Beard, J. G. (City)

YORK—Codding, A. B.

NEVADA.

GOLDFIELD—Baxter, H. (Mining)
Harris, Frederick S (Mining)
Todd, Robert B. (Mining)

PIOCHE—Abbott, Jas. W. & Chas. W. (Mining)

RENO—Arnett, W. D. C. Co. (Mining)
Boyle, Emmet D. (Consulting Mining), Clay Peters bldg
Collins, Edgar (Mining)

TONOPAH—Jackson, D. H. (Mining)
McClelland, J. F. (Mining)

NEW HAMPSHIRE.

ALTON—*Clough, Wm. R., Rockell, Clough Co.

BERLIN—Bryant, E. S. (City)

CHARLESTON—*Webber, Sam'l (Hydr. & Dyn. Engr.)

CONCORD—Howe, W. B. (City)

DOVER—*Estes, William M., Box 222
Grover, William A. (City)
Hayes, Charles W.
Jaynes, S. Foster
Jenkins, S. S.

GOLDFIELD—Todd, Roerth B. (Mining)

KEENE—*Humphrey, Jno. (Treas. & Gen'l Mgr., Humphrey Mach. Co.)
Wadsworth, Samuel

LACONIA—Berry, Forrest G. (City)
Perley, Lewis S.
Sleeper, Chas. H.

LANCASTER—Sleeper, S. W. (M. E.)
Williams & Davis

LEBANON—Downs, Charles A.

LITTLETON—Gile, Ray T.

MANCHESTER—Allen, George H., 924 Elm
Dow, Perry H., Amoskeag Mfg. Co.
Dudley, Arthur (Civil)
Lord, Samuel J. (City), 896 Elm
*Manning, Chas. H. (Gen'l Supt., Amoskeag Mfg. Co.)
Stevens, A. G. (M. E.), Manchester Mills
Walker, Chas. K., Court House Bldg
Young, John P., 1028 Hanover

NASHUA—Dean, A. W., 135 Main
Hathaway, E. O., 135 Main
Johnson, E. J., City Hall

PETERBORO—Jones, E. W.
Smith, E. M.

ROCHESTER—Ames, W. M.

TONOPAH—Kerr, Mark B. (Consulting)

WHITEFIELD—Carleton, Sprague

NEW JERSEY.

ARLINGTON—Horstman, F. W. & Co., 410 John (E. N. B.)
Logan, W. S., 115 Midland av

ATLANTIC CITY—Ashmead & Hackney (& Surveyors), Bartlett bldg
Craig, Wm. A. (& Surveyor), Bartlett bldg
Hackney, John (City)
Harris, H. G. & Co. (Surveyors)
Middleton, Frank (& Surveyor), Bartlett bldg
Nelson, A. H. (& Surveyor), Bartlett bldg
Rightmire, E. D. (& Surveyor), Bartlett bldg
Riley, Arthur W. (Surveyor & Consulting), Bartlett bldg
Somers, Eugene (& Surveyor), Bartlett bldg
Thompson, Raymond D. (& Surveyor), Bartlett bldg

BAYONNE—Broome, Jos. (M. E.), 38 W 38th
*Serrell, Wm. C., 624 Av. B.
Smith, Emmett (City) av E & 30th.

BELLEVILLE—*Williams, Franklin (Asst. Gen'l Mgr., Eastwood Wire Mfg. Co.)

BEVERLY—Stokes, Charles

BLOOMFIELD—Olmsted, A. H., 24 Broad
*Power, Wm. M. (Power Mfg. Co.)

BOONTON—Godeffroy, R.
Van Dugen, Lewis.

BORDENTOWN—Hutchinson, John H.

BOUNDBROOK—*Ball, Frank H. (Vice Pres. & Gen'l Mgr., Amer. Eng. Co.)
Herbert, Harry

BRIDGETON—Sharp, Walter M. (City)
*Smith, Oberlin (Pres., Ferracute Mach. Co.)

BURLINGTON—Milnor, Thos. W. (M. E.)
Probasco, Seldon R.

BUTLER—Roome, William

CAMDEN—Farnham, Levi E. (City), City Hall
Graves, Erwin (M. E.) (Sup't, Camden Iron Works)
Haines & Sherman, Temple bldg
Kain, Edwin Co. (Consulting), S N. 8th
Kauffman, F. F. (M. E.), 900 Pine
King, Arthur C. (Surveyor), 305 Market
Knowles, Wm. H., 111 N Delaware av
Lennon, James F., 361 Market
May, Edmund (Surveyor), 301 Market
Runge, W. C. & Co., 1200 B'way
Thomson, Earl (& Surveyor), 301 Market

CRANFORD—Vreeland, C.

DOVER—Jenkins, Geo. E.
Riggs, Albert R.

EAST ORANGE—Doty, A. L., 27 Wash'n
*Lape, Wm. E., 7 Girard av
Olcott, Geo. B., 252 Main
Orange Machine & Mfg. Co. (M. E.)

ELIZABETH—*Bailey, T. S., 326 Union av
Bauer, J. L., 215 Broad
Luster, Wm. H., Jr. (City), City Hall
Meyer, Oswald L. P. (& Surveyor), 206 Broad
*Miller, Lebeus B. (Supt., Singer Mfg. Co.)
Quien, Louis, 251 Elizabeth av
Tucker, W. B. (M. E.), 46 W Scott pl

ENGLEWOOD—Bistwhistle, H.
Case, Willard
Service & Van Blarcom

FLEMINGTON—Blaise, Jno., Lock Box 332

HACKENSACK—Losier, Lemuel (& Surveyor)
Pettigrew & Campbell
Van Buskirk, P. E.
Williams, A. W. (& Surveyor)
Williams Bros.

HACKETTSTOWN—Dellicker, A. H.

HARRISON—Logan, William S., 160 Midland av

HOBOKEN—*Bristol, W. H. (Ass't Prof. of Math., Stevens Inst. Tech.)
Brush, Chas. B. & Co., 1 Newark
*Denton, Jas. E. (Prof. Expl. Mech. Stevens Inst. Tech.)
*Forbes, W. D., 1300 Hudson
*Jacobus, D. S. (Prof. Expl. Mechs. & Engineering Physics), Stevens' Inst. Tech.
McCann, Thos. H., Nat'l Bank bldg
*Morton, Henry (Pres., Stevens' Inst. Tech.)
*Pryor, Fred'k L. (Inst. in Expt. Mechanics, Stevens' Inst. Tech.)
*Riesenberger, Adam (Pros. Mech'l Drawing, Stevens' Inst. Tech.)
*Stevens, E. A. (Pres., Hoboken Ferry Co.).
Tivy & Smith, 84 Washington 1 Newark
Whittemore, W. F., 1 Newark

JERSEY CITY—*Anderson, Jas. C., 107 Kearney av
Armstrong, Jno., 175 Duncan av
Blau, Gustav, Jr., 45 Belmont av
Boulton, J. B. D. (M. E.), A ft of Essex
Brush, Chas. B. & Co., 1 Newark

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Daly, Robt. H. (& Surveyor), 76 Montgomery
*Dinkel, Geo., Jr. (Chief Engineer, American Sugar Refining Co.)
Earle, F. H. (& Consulting & Surveyors), 15 Ex. pl
Earle, Ralph D. Jr., 1 Exchange pl
Flynn, W. S. (M. E.), 76 Hudson
GRISCOM-SPENCER CO. (M. E., Consulting & Contracting), Grand & Sussex. (See adv. index, end of book)
Guhl, Emil (& Surveyor), 19 Charles
Hamill, Alex., Jr., 426 Montgomery
Harrison, E. W., 91 Summit av
*Hayward, H. S. (Supt. M. P., United Railroads of N. J. Div., P. R. R.)
Higgins, Chas. H., 1 Montgomery
Hopper, Chas., 15 Exchange pl
Insley, Edward W. (& Surveyor), 402 Cen-
Leahy, Jas. W., 1 Montgomery tral av
Payne, Jno. C. (& Surveyor), 15 Exchange
Ross, P. Sanford, 277 Washington pl
*Tompkins, Samuel D. (Pres., Smoothon Mfg. Co.), 533 Communipaw av
Van Keuren, Chas. A. (Chief Engineer), City Hall
Wortendyke, Nicholis D. (City Surveyor), 108 Bentley av

KEYPORT—Sproul, C .F. & H. S., E. Front & Broad

LAKEWOOD—Delatush, J. C. (M. E.), Ocean
Fielder, Benj. H., Jr., Main av

MADISON—Brown, Edmund K.

MAGNOLIA—Albertson, J. J. (County)

MONTCLAIR—Crane, Frank W., 467 Bloomfield
Owen, James, 467 Bloomfield av av

MOORESTOWN—Borton, Uriah

MORRISTOWN—Brinley, Jno. R.
Howell, Edward
Melick, John E.
Pierson, Arthur (City)
Pitney, Frederic V.
Smith, Fred'k S., Babbitt bldg

MOUNT HOLLY—Lippincott, Joseph

NEW BRUNSWICK—Atkinson, Asher (City)
Chandler & Duane, 438 Grove
Serviss, David, County Collector's Office
Tice & Rightmire, 92 Albany

NEWARK—Anderson, Geo. & Co. (M. E.), 420
Baechlin, Ernest, 45 Clinton Ogden
Borrie, & Kremer (& Surveyors), 788 Broad
Burroughs, Chas. Co. (M. E.), 141 Commerce
*Campbell, Geo. W. (& M. E.), 171 Broad
Conlon, F. P. (& Surveyor), 757 Broad
Currier, Cyrus & Sons (M. E.), 365 Market
Emory, R. J. & Co. (Consulting), 249 High
*Farrand, Dudley (Mgr.), 207 Market
Field, W. P. (Consulting), 763 Broad
*Foster, John M. (Pres.), 107 Monroe
Fraentzel & Richards (M. E. & Patent Attorneys), 800 Broad
Francisco, Jno. H. (& Surveyor), 751 Broad
Gardner, Geo. H. (& Surveyor), 784 Broad
Goeller Iron Works (Contracting), 394 Frelinghuysen av
Halsey, Edmund R. (& Surveyor), 164 Market
Hedden, Iron Construction Co., 22 Clinton.
Hewes & Phillips Iron Works (Consulting M. E.), Orange c Ogden
Hickok, H. Addison (& M. E.), 11 Clinton
Hooper & Co., (& Surveyors), 11 Clinton
Isbell-Porter Co. (M. E.), 11 Clinton
*Jacobi, Albert W., 296 S 6th
Kempf, Edw'd G., 164 Market
Lehlbach Bros. (& Surveyors), 196 Market
Lockwood, Chas. S. (M. E.), 496 Clinton av
McMurray & Pules (& Surveyors), 22 Clinton
Mueller, Carl (& Surveyor), 213 Chadwick av
Munday, Jos. S. (M. E.), 22 Prospect
Ogden, F. H. Co. (Consulting), 11 Clinton
Owen, James (Consulting), 196 Market
Parsons, W. E. (M. E.), 134 3d av
Public Service Corporation (M. E.), 763 Broad
Rankin, Edw. S. (City), City Hall
Ruesch, Henry J. Machine Co. (M. E.), 22 Green
Runyon & Carey (M. E.), 122 Market
Seymour, D. C. (Contracting), 49 Lawrence
Seymour, J. M., Jr. (Consulting), 51 Lawrence
Seymour & Whitlock (Consulting), 185-201 N. J. R. R. av
Streiff, Abraham (& Surveyor), 45 Clinton
Taylor Fountain Engineering Co., 10 Commercial
Taylor, Percy B. (Consulting M. E.), 800 Broad
Van Duyne, Harrison & Son (& Surveyors), 800 Broad

NEW LISBON—*White, Jos. J.

NEWTON—Kunkle, Andrew H. (M. E.)

ORANGE—Bulkley, Henry W. (M. E.), 128
Crane, Fred T., 252 Main Harrison
*Edison, Thos. A.
*Herter, Emil (Chief Draughtsman, Edison Laboratory)
Mead & Taylor, 242 Main
Olcott, Geo. P., 252 Main
Reimer, W. H. V., 249 Main

PASSAIC—Kriedge, E. L. (Mill Eng.)
Peterson, Anton (City)
Strange & Doolittle (Consulting)
Wise & Watson (Consulting)

PATERSON—Bogert-Carlough Co. (Consulting), Peach c Straight
*Brock, Wm. M. (Sup't, Public Service Corporation)
Christie, Wm. W. (Consulting M. E.), Paterson Saving Institution bldg
*Ferguson, John W. Co., United Bank bldg
Ferguson, Wm. & Son, United Bank bldg
Fonda, C. V. W. (Surveyor), 111 Hamilton
Godeffroy, E., 140 Market av
Harder, Harold J. (City Engineer), City Hall
Henry, David Building Co., Smith c Main
Van Winkle, Franklin, Colt bldg
Whitmore, W. L., Court House

PERTH AMBOY—Hommann, Chas. C. (& Surveyor)
Mason, S. J.
Smith, Forrest L.

PHILLIPSBURG—Rowell, Robt.
Smith, Jas. E.

PLAINFIELD—Dunham, F. A. (Consulting), 109 Park av
Gavett, Andrew J. (City), 152 Park av
Hubbard, F. J. (Consulting), Babcock bldg
Meeker, Robt. A. (Consulting), 209 Park av
Vail, Ephraim M., 109 Park av
Van Emburgh, H. C. (Consulting), 152 Park av

PRINCETON—*Wilson, Woodrow (Pres., Princeton Univ.)

RED BANK—Cooper, George
Osborn, Frank
Throckmorton, J. W.

RIDGEWOOD—Harder, H. J.

RIVERTON—Parry, Howard
Thatcher, Walter A.

ROSELLE—*Greer, R. C.

RUTHERFORD—*Sloat, Geo. V.

SOMERVILLE—Doughty, Joshua
Lane, J. R. S.

SOUTH ORANGE—Taylor, Lewis P.

SUMMIT—Mead & Taylor

TOWN OF UNION (P. O. Address, Weehawken)
Earl, R., Jr. (Consulting), 154 Bergenline av
Gaw, Robt. (Consulting), 520 Van Vorst pl

TRENTON—Albert, Reuben, 45 Bayard
D'Unger, Ellwood (M. E.), Ribsam bldg
Eppele, F. J. (County Engineer), 430 Perry
Frans, Milton Co., 30 W State
Haven, C. C., City Hall
Haven, E. C. (Surveyor) 229 W State
Ivens, Wm. H. Sons Co. (M. E.), Beakes av & Johnson Trolley Power House
Moses, Frank D.
Nelson, Alfred B., 512 Perry
Nevius, Jno. C. (Surveyor), 138 Mercer
*Reeves, Clifton (Pres., Reeves Mach. Co.)
*Spilsbury, Edmund G. (Consulting), 216 W State
Swan, A., Jr., Broad St. Bank bldg
Watson, John & Sons Co. (M. E.), 11 Fair
*Webber, Samuel S. (Mgr.), 204 W State
Yard, G. B., 306 E State

VAILSBURG—McMurray, Eugene A. (Boro.)

WEEHAWKEN—Duer, Edw., Hauxhurst pk

WESTFIELD—Marsh, Jno. M. C.

WEST HOBOKEN—Gaw, Robt., 584 Spring
Maulbeck, S., 495 West

WEST NEW YORK (P. O. Address, Taurus)—Gaw, Robt., Bergenline av., opp. Town Hall

WEST ORANGE—Baldwin, Merrick R., Valley rd c Lakeside av
Faulks & Baldwin, Valley rd c Main

WOODBURY—Carter, William M.
Ladd, Samuel H.

NEW MEXICO.

LAS VEGAS—Holt & Hart
Rice, R. B.

SOCCORRO—Brown, Cony F. (Mining)

NEW YORK.

ALBANY—Allen, Leslie (& Surveyor), De Graaf
Andrews, Horace, 125 Lancaster bldg
*Blessing, Jas. H. (Sec'y, Albany Steam Trap Co.), 317 N Pearl
Bond, Edw. A. (State Engineer), Capitol
Devendorf, La Motte K., 68 State
Melius, Walter, 59 City Hall
O'Hara, Jno. J., 119 State
Parsons, Henry C., Tweddle bldg
Pruyn, Augustus, 230 State
Roberts, Herschel, 112 State
Stowell & Cunningham, 51 State
Wooley, W. Thos. (Consulting), 66 Eagle

AMSTERDAM—Bennett, Chas. J., 90 Division
Cleveland, H. B., 18 Storrie
Crane, Francis E. (City)
De Graff, H. W., 298 Guy Park av
Moak, Saml., 251 Guy Park av
Smeallie Bros. (M. E.)

AUBURN—Austin, Dewitt F. (City), City Hall

BALLSTON SPA—Geer, H. M.

BATAVIA—Alexander, Chas. A. (M. E.)
Cone, Hobart B.
Holmes, J. W.

BINGHAMTON—Ackerman, R. McK., 160 State
Baird, S. M., McNamara blk
*Harris, J. F., 21 Goethe
Monroe, S. E. (City), Municipal bldg

BROOKLYN—(See N. Y. City, Borough of Brooklyn)

BUFFALO—Adair, John O. (M. E.), 245 North
Alberger Co. (M. E.), 695 Ellicott sq
Bardol, F. V. E. & Co., D. S. Morgan bldg
Barf, Wm. H. (M. E.) (Gen'l Mgr., Lumen Bearing Co.), 1155 Sycamore
Bassett, Geo. B. (Consulting, Civil & Hydraulic), 346 Elmwood av
Baxter, A. E. Eng. & Appraisal Co. (& M. E.), 945 Ellicott sq
Bierbaum, Christopher H., Prudential bldg
Birdsall, E. M. (Consulting M. E.), 116 Hodge av
*Boyd, Hy. A., Erie County Bank bldg
Budd, T. A. (M. E.), 380 Franklin
Buffalo Engineering Co. (M. E.), Erie Co. Bank bldg
Bunge, Julius H. O. (M. E.), 207 W Utica
Busch & Percival (& M. E.), Brisbane bldg
Buttolph, H. T. (Asst. City), 2574 Main
Calhoun, W. A. (Consulting M. E.), White bldg
Cloudsley, Jas. B. (Consulting M. E.), Bureau of Water Supply
Conkling, C. C. & Co. (Consulting), 798 Ellicott sq
Conlon, Arthur (Consulting M. E.), 11 N Ashland av
Dieter, Louis F. (M. E.), 30 Kenefick av
*Dollar, Wm. M., Erie County Bank bldg
Durolithic Co. (Contracting), 16 Builders
Ellsworth Bros., 50 W Eagle Ex. bldg
Fairchild, Dennison, 937 Ellicott sq
Fell. Chas. F., 139 De Witt
Gail, Harry M. (M. E.), 281 Jersey
Guthrie & Diehl, 581 Ellicott sq
*Guthrie, Edw. B. (Chf. Eng., Grade Crossing Commission), Ellicott sq
Hanavan, Eugene C., 398 Louisiana
Howard Iron Works (M. E.), 287 Chicago
Hunt, Robert W. & Co., 575 Ellicott sq
Jackson, Lucian, C. (M. E.), 234 14th
Knapp, Louis H., 280 Linwood av
Krause, Albert & Son (& Surveyors), Builders' Exchange
Learmouth, Robert (Consulting M. E.), 200 Lafayette av
Osgood, J. L. (M. E.), 540 Massachusetts av
Perkins, Frank C. (Consulting M. E.), Erie Co. Bank bldg
Radley, Richard (M E.), 930 Ellicott sq
Ricker, Geo. A. (& M. E.), 702 Ellicott sq
Roberts, Geo. T., D. S. Morgan bldg
Rogers, Thos. J., 17 Whitney pl
Siegesmund, Ernest, 110 19th
Sikes, Geo. R., 1095 Ellicott sq
Smith, Harry J. (M. E.), 43 Dodge
Tresise, Francis J. & Co. (M. E.), D. S. Morgan bldg
Wannenwetsch & Co. (M. E.), 563 William
White, Wm. J., Mutual Life bldg
*Wilke, Wm. (M. E.), 86 Norwood av
Wing, Fred'k K., White bldg
Witmer, J. F., 64 Ashland av
Wright, Josiah P., Fidelity bldg

CAMBRIDGE—Watkins, Thos. L.

CARTHAGE—Brownell, Jas. P., Strickland

CATSKILL—Van Orden, Chas. H. bldg

CHAZY—Waters, Cyrus

COHOES—Van Auken, C. H. (City)
Van Auken, D. H.

CORNING—Hoyt, S. T. (City)

CORTLAND—Allen, Henry C. (City)

DUNKIRK—Hequembourg & Avery, 305 Central
Morrissey, J. P. (City), 191 R. R. av av
Newton, Geo. M., 229 Central av

ELMIRA—Bovier, Asa P., 308 Spalding
Leach, Fred'k, 206 Robinson bldg
Rawlins, J. E. (City), City Hall

FLUSHING—(See New York City, Borough of Queens)

GENEVA—Brennan, James W. (Ass't Engineer, Church, C. T. Board of Public Works)

GLEN COVE—Brown, Wm. H.

GLENS FALLS—Philo, Hiram, 331 Glen
Slade, Geo. P. (City & Surveyor)
West, H. M.

GLOVERSVILLE—Comstock, F. L., Parkhurst

GOSHEN—Jonas, M. & Son blk
Levison, B. W.

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Mills, V. K.
Samuels, P. (Asst.)
GREENWICH—Haskins, Jos.
GROTON—Landon, E. A.
HAVERSTRAW—Allison, Calvin T.
Wilson, Lavalette
HEMPSTEAD—Titus, Edw. S., 96 Columbia
HERKIMER—Wood, D. C., 67 Main
HORNELLSVILLE—Bates, Henry
ILION—Ringwood, Jas. D.
ISLIP—Smith, E. R.
Whitman, S. S.
ITHACA—*Barr, Jno. H. (Prof. Mach. & Design, Sibley College, Cornell University)
*Carpenter, Rolla C. (Prof. of Expt. Engineering, Sibley College, Cornell Univ.)
Crandall, C. L., Prof., 100 Hector
Crandall, K. P., 90 Hector
*Durand, Wm. F. (Prof. Marine Engineering, Cornell University)
*Hibbard, H. Wade (Prin. of Graduate School of Ry. Mech'l Engineering, Sibley College, Cornell University)
*Reid, Jno. S. (Instr. in Mech'l Drawing & Design), Sibley College, Cornell Univ.)
*Rites, Francis M., 64 W Buffalo
*Ryan, Harris J. (Prof. Elec'l Engineering, Sibley College, Cornell University)
JAMAICA—(See New York City, Borough of Queens)
JAMESTOWN—Bently, C. Eugene
Burns, Edw. C.
Jones, Clyde G. (City)
JOHNSTOWN—Miller, Jas. W. (City)
Miller, Wm. R., 26 Hoosick
KEESEVILLE—Harkness, J. Warren
KINGSTON—Bell, Geo. N. (City), City Hall
Codwise, Edward B., 43 John
Ellison, Geo., 20 Van Buren
Hallinan, John F., 112 Downs
Klingberg, Wilgott, 290 Fair
LANSINGBURG—(See Troy)
LAUREL HILL—(See New York City, Borough of Queens)
LIBERTY—Cantine, N. S.
LINOLEUMVILLE—(See New York City, Borough of Richmond)
LITTLE FALLS—Babcock, Stephen
Lansing, E. T. E. (City)
LITTLE VALLEY—Ferguson, G. W. (County)
LOCKPORT—Cook, Wm. B., 160 Locust
Cornes, Chas. H., 15 Orchard
Dox, Isaac, 84 Ontario
Frehsee, Julius F. (City), Central blk
Frehsee & Olmsted, 3 Central blk
Gooding, Stephen F., 179 Church
LONG ISLAND CITY—(See New York City, Borough of Queens)
MALONE—Young, Gilbert
MASSENA—Flaherty, P. B.
MIDDLETOWN—Everson, C. J.
Smith, Chas. H. (City)
MOUNT VERNON—*Coleman, Geo. F., 118 Hufnagel, B., 140 E 1st Archer av
NEWBURGH—Garrison, Everett (City & Surveyor)
NEW HARTFORD—Scripture, Arthur M.
NEW ROCHELLE—Crosby, Horace
De Luze & Emmet
Haskell, C. S.
Van Etten, L. E.
Wilkes, J. K. (City)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Allen, Austin E., Municipal bldg
*Almond, T. R., 83 Washington
Ambrose Machine Co. (M. E.), Eagle & Provost
Arci, J. B., 99 B'way
Asserson, Henry R., 529 5th
Atlantic Basin Iron Works (M. E.), Summit & Imlay
Ball & Jewell (M. E.), 28 Franklin
Barker, Herbert J., 678 Mansfield pl
Bartlett, F. L. (& Surveyor), 204 Montague
Bartlett, H. L. (& Surveyor), 189 Montague
Beck, Fritz (M. E.), 1415 59th
Berry, Geo., 78 Morton
Bischof, Geo. J., 471 Ocean Parkway
Boomer, Geo. B., 373 Fulton
Boyes, Wm. H., 22 Boerum pl
Braun, W. F. (M. E.), 1102 DeKalb av
Briggs, J. & Co. (M. E.), ft 24th
Bristow, Walter M. (Consulting), 44 Court
Byrne, A. T., 350 Fulton
Byrne, James J. (Surveyor), 26 Court
Cadmus, Geo. W., Municipal bldg
Carey, Jas. F. (& Surveyor), 190 Montague
Carter, James, 200 Joralemon
Cassidy, John A., Municipal bldg
Cicancimino & Olmstead (Contracting), 215 Clausner, Otto, Municipal bldg Montague
Cole, Hy. W. (M. E.), 453 3d
Columbia Engineering Works (M. E.), Pioneer & Imlay
Conlan, Frank J., 215 Montague
Crocker, Calvin L., 84 B'way
Currie, J. B. & Son (M. E.), 72 Adams
Debevoise, Wm. G. (& Surveyor), 1153 Myrtle av
Dennington, F. C. (Surveyor), 200 Montague
Diack, Geo. A., 215 Montague
Drake, Fred'k A., Municipal bldg
Faribault, P. A., Borough Hall
Folger, E. P., 377 Jefferson av
Forbes, Arthur C., 4 Court sq
Ford, Wm. G. (& Surveyor), 204 Montague
Fort, E. J., 215 Montague
Fulton, John (M. E.), Municipal bldg
Gahagan, Walter H. (Contracting), 189
Goodman, Jos., Municipal bldg Montague
Gove, W. T. (M. E.), 85 Clinton
Gray, John C., Municipal bldg
Griffin, Wm. J. (Surveyor), 189 Montague
Griffiths, John D., Municipal bldg
Guthrie, Keith P., 215 Montague
Hammond, Geo. T., 215 Montague
Harrop, Wm., (Surveyor), 189 Montague
Head, Henry C., 4 Court sq
Hill, Jno. E., 215 Montague
Hill, Wm. R. (C. E.), 242 6th av
Horwedel, George J., Municipal bldg
Hunt, Richard V., 215 Montague
Jacobsen, Eldred E., Municipal bldg
Jourdan, Jas. H., 265 Nevins
Kelly, Olaf, 84 B'way
Knap, Edgar D., 84 B'way
Kneuper, Alex. D. (Consulting), 53 Lexington av
Krottnauen, A. E. (M. E.), 1095a Flatbush av
Kurth, A., 418 Classon av
Lease, Wm. F., Municipal bldg
Langthorn, Jacob S., 407 Hamilton av
Leffingwell, Frank D., 200 Joralemon
Lewis, Geo. G., 84 B'way
Lichenstein & Howley, 373 Fulton
Litchfield, Percy, 200 Joralemon
Lobo, Carlos, Municipal bldg
*Logan, F. J., 285 De Kalb av
Ludlam, Austin (Surveyor), 189 Montague
McColl, Ernest M., Municipal bldg
McElroy, Samuel A. (& Surveyor), 26 Court
McNeil, D. (M. E.), Pioneer & Imlay
Magrath, Jas. W., 465 Marion
Maloney, Jas. E. (& Surveyor), 1091 Atlantic av
Markey, Wm. A., 215 Montague
Martin, G. W., 215 Montague
Martin, Kingsley, 179 Washington
Meserole, B. R. & J. V. (Surveyors), 215 Havemeyer
Meserole, Walter M. (& Surveyor), 44 Court
Meserole & Middleton (& Surveyors), 2511 Atlantic av
Mosman, Alonzo T., 186 Remsen
Moyer, H. I. & Co. (Contracting), 375 Fulton
Murphy, Alex. D. (& Surveyor), 44 Court
Murphy, Francis P., 66 Court
Nostrand, Peter E. (& Surveyor), 190 Montague
Olmsted, Hy., Jr., 215 Montague
Palmer, Noyes F. (Surveyor), 150 Snediker av
Pioneer Iron Works (M. E.), 155 Pioneer
Pollock, C. D., Municipal bldg
Randal, Frank L. & Co. (Contracting), 242 Rutledge
Reeve, Henry E. (M. E.), 459 Carroll
Rice Bros. (Contracting), 23 Fulton
Riedel, Jno C., 215 Montague
Riley Machine Works (M. E.), 192 24th
Schermerhorn, Richard, Jr., 183 Prospect pl
Schmidt, Herman H., Municipal bldg
Schmitt, Jacob, Municipal bldg
Skilton, George S., Municipal bldg
Snyder, Antone E., 200 Joralemon
Strachan, Robt. C., 342 Halsey
Sullivan, Chas. P., Municipal bldg
Swezey, Edwin C. (Surveyor), 259 52d
Tenney, Willis R., Municipal bldg
Thomas, Fredk (& Surveyor), 391 Lewis av
Thompson, R. R., & Co. (Street Railway & Interurban Construction), 356 Fulton
Tilley, J. Alfred, 84 B'way
Tillson, Geo. W., Municipal bldg
Tuttle, Arthur S., 559 5th
Van Buren, Robt., Municipal bldg
Van Buskirk, Clarence E., 44 Court
Wagner, Bernard M., 1380 Union
Ward, Chas. D., Municipal bldg
Ward & Upright Engineering Co. (M. E.), 48 York
Weiss, Louis T. (M. E.), 290 Taaffe pl
White, E. Sherman (& Surveyor), Municipal
White, Lewis R. (M. E.), 44 Court bldg
Whitley, F. N. (& M. E.), 215 Fulton
Williams, R. L. (& Surveyor), 189 Montague
Winslow, Geo. E., 215 Montague
Wulrz, E., 197 Havemeyer
Wynkoop, Hubert S. (M. E. & Electrical) Municipal bldg

Boroughs of Manhattan & Bronx.

NEW YORK—Abbott, E. L. (Consulting), 71 B'way
Abitibi Claims Co. (Mining), 5 Nassau
Adams, Wm. H. (Mining), 18 B'way
Aims, Walton L., 45 B'way
Albert & Co. (M. E.), 1928 B'way
Alexander, Harry (Consulting M. E.), 20 W 34th
Allbee, E. E. (M. E.), 2 Rector
Allen, J. R. (M. E.), 49 Wall
Allen, W. W. (Consulting & Mining), 24 Broad
Alsing, J. R. Co. (M. E.), 136 Liberty
American General Engineering Co. (Contracting C. E. & M. E.), 253 B'way
American Institute of Mining Engineers (Mining), 29 W 39th
American Society of Civil Engineers, 220 W 57th
American Society of Mechanical Engineers, 29 W 39th
Anderton, Geo. P. (& Consulting), 29 B'way
Andrews Engineering Co. (Contracting), 120 Liberty
Augle, Geo. W. (Consulting), 35 Nassau
Arden, H. B. (M. E.), 206 B'way
Armstrong, Chas. G. (Consulting), 149 B'way
Arnold & Andrews (Consulting), 52 B'way
Arnott, R. Fleming (Mechanical Consulting, Specialties, Mechanical, Structure & Railroad), 97 Liberty
Atkins, C. Wilson, 2148 7th av
Atwater, Linton & Atwater (Mining), 52 B'way
Atkinson, Asher, 1 Madison av
Asserson, H. R., 59 Pearl
Asserson & Asserson (Consulting), 59 Pearl
Aus, Gunwald (Consulting), 11 E 24th
Avram Leet Engineering Co. (Contracting & M. E.), 225 5th av
Aycrigg, Wm. A., 102 Chambers
Babcock, Wm. S. (Consulting), 17 Battery
Bacon, C. G. (M. E.), 95 Liberty pl
*Bacon, Earle C. (Consulting M. E.), 26 Cortlandt
Baggs, Nils O. (Mining), 60 Wall
*Baker, Chas. W. (Mgr. Editor, Engineering), 220 B'way
Baker, Geo. O. (M. E.), 100 B'way
Baker, Wm. E. & Co. (Consulting, Power, Lighting), 27 William
Balch, S. W. (M. E.), 67 Wall
Balcon & Darrow (Contracting), 314 Madison av
Baldwin Engineering Co. (Contracting), 209 W 33d
*Baldwin, Wm. J. (Consulting & M. E.), 61 Park row
Banks, Daniel B., 27 William
Barnes, Oliver W. (Consulting), 55 B'way
Barney, Jno. M. (Consulting), 150 Nassau
Barney, Newcomb C. (Mining), 39 B'way
Barrath, Edw. (Consulting), 1123 B'way
Barstow, W. S. & Co. (Consulting M. E. & Constructing, Electric Railway & Lighting Plants), 50 Pine
Bartlett, Hayward & Co. (M.E.), 100 B'way
Barton & Carpenter (Consulting), 32 B'way
Barwick, Thos. Engineering Co. (Consulting, M. E.), 15 Park row
Bates, Chas. J. (Consulting), 126 Liberty
Bates, Putnam A. (Consulting Elec.), 42
Bauer, Jacob L., 17 Park row B'way
Baur, Wilhelm (Consulting), 42 B'way
Bayne & McCarthy (Contracting), 1123 B'way
Beach, Robert J. Engineering Co., 32 B'way
Beadle & Maxwell (M. E.), 86 Beaver
Beekman Engineering Co. (Contracting), 99 Nassau
Bellman & Sanford (Consulting Engineers & Contractors), 149 B'way
Bellows, Philip (Consulting), 299 B'way
Benedict, Wm. deL. (Consulting, Mining & M. E.), 43 Cedar
Benjamin, Chas. W. (M. E.), 206 B'way
Benjamin, Geo. H. (Consulting), 45 B'way
Bensel, John A. (Chief Eng. Dock Dept.), Pier A, N. R.
Berger, Bernt (Consulting), 45 B'way
Billow, Aaron (M. E.), 192 Bowery
Billow Bros. (M. E.), 226 E 67th
Birdsall, Geo. W. (Consulting), 21 Park row
Birkmire, Wm. H. (Consulting), 396 B'way
Blackwell, F. O. (Consulting), 49 Wall
Blackwell, Josiah L. (Contracting), 27 William
Blagden, Philips (M. E.), 208 5th av
Bleoo, J. H. (M. E.), 17 John
Bliss-Griffiths Construction Co. (Contracting), 225 5th av
Block, Louis (Consulting), 45 E 42d

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Blow, A. A. (Mining), 15 Broad
Boardmance, Arthur E. (Consulting, Civil & Hydraulic), 42 Pine
Bodfish, F. W. (Mining), 42 B'way
Boettiger, Philip (M. E.), 154 Nassau
Beyer, Otto G., 29 B'way
*Bogart, John (Consulting C. E. & M. E.),
Bogue, Virgil G., 15 William 115 B'way
Boller & Hodge (Consulting, C. E. & M. E.), 1 Nassau
*Bolton, Reg. P. (Consulting C. E. & M. E.), 527 5th av
Boulger, Benj. (M. E.), 39 Cortlandt
*Bourne, Frank, 26 Cortlandt
Bouton, Geo. I. (M. E.), 11 B'way
Bowers, Charles C. (Consulting), 1 B'way
Bowles, T. W. Co. (Contracting), 314 Madison av
Bowman, Austin L. (Consulting), 165 B'way
Bowman, Geo. P. (Mining), 74 B'way
Bowman, Walker (Consulting), 39 Cortlandt
Boyer, Edwin S. (Contracting), 90 West
Boylan, J. Frank Co. (Consulting), 1779 B'way
Bradford, Horace S. (Mining), 35 B'way
Bradley, Chas. S. & Sons (Consulting), 41 Park row
Brady, F. W. (Consulting), 95 Liberty
Brainard, Owen, 225 5th
Bramwell, Geo. W. (Consulting), 335 B'way
Braune, Jno. S. (Consulting), 95 Liberty
Brennan, Daniel (M. E.), 138 Liberty
Briggs, Josiah A., 3d av. & 177th
Brinckerhoff, H. Waller (Consulting C. E. & M. E.), 45 B'way
Brociner, Alex. (Consulting), 18 E 42d
Brodie, Walter M. (Mining), 45 B'way
Bronder, G. A. (Gas Plant Construction, M. E.), 229 B'way
Brooke, B. H. & Co. (Contracting, Reinforced Concrete, Electric Railways, etc.), 50 Church
Brooks, Jas. E. Co. (Consulting), 45 B'way
Broome, Jos. (Consulting C. E. & M. E.), 123 Liberty
Brown, Chas. O. (Consulting), 628 Madison av
Brown, Herbert S. (Consulting), 319 E 23d
Brown, Wendell P., 277 B'way
Brownlee, James L. (Consulting), 29 B'way
Brubaker, Samuel H. & Co. (Consulting), 45 B'way
Brumbaugh, L. H. (Contracting), 220 B'way
Bryson, Thos. B. (Contracting), 165 B'way
Buchholz, Carl W. (Consulting), 50 Church
Buckenham & Miller, 346 B'way
Buckley Engineering & Construction Co. (Contracting), 624 Madison av
Buhlmann, A. W. (M. E.), 487 B'way
Building & Sanitary Inspection Co. (Consulting), 25 Liberty
*Bulkley, Henry W. (M. E.), 141 B'way
Bull, Charles H., 15 Park Row
Burchard, Anson W. (Consulting & Mining), 44 Broad
Burdett, F. A. (Consulting), 29 W. 34th
Burger, Clarence L., 17 State
Burhorn, Edwin (Consulting & Contracting M. E., Electric Transmission & Steam Generation), 71 Wall
Burnett & Woolson (M. E.), 26 Cortlandt
Burr, Wm. H., 30 Church
Burr, Wm. H., 1 Nassau
Bush, E. Renshaw (Mining), 69 Wall
Bushnell, D. S. (M. E.), 26 B'way
Butler Bros. & Hoff Co., 1170 B'way
Butterworth, Frank, 19 Liberty
Byrne, Garrett J. (Surveyor), 217 W 125th
Caccavajo, Pruyn & Calhoun (Consulting), 1286 B'way
Caldwell, H. W. & Son Co. (M. E.), 50 Church
Campbell, James (Mining), 231 B'way
Campbell & Co. (M. E.), 300 E 64th
Campion, McClellan Co. (Contracting), 90 West
Cardow, Chas. (Contracting), 589 Greenwich
Carlile, Wm. E. (& M. E.), 140 William
Carpenter, Ira H. (Consulting), 52 William
Carse, David B. & Co., 12 B'way
Carter, Ralph B. Co. (Contracting), 50 Church
*Cary, Albert A. (Consulting), 95 Liberty
Cement Engineering & Construction Co. (Contracting), 225 5th av
Cervello, Michael G., 1 Madison
Chambers & Howe (Consulting), 15 William
Chandler, Irving A. (Consulting), 120 Liberty
Channing, J. Parke (Mining & M. E.), 11 B'way
Chapman, Paul (Consulting), 17 Park row
Charlton, Vanderhorst & Legare (Consulting), 45 B'way
Christie, Lindsay R. (M. E.), 39 Cortlandt
Church, John A. (Mining), 15 William
Church, Townsend V. (Consulting), 2 Rector
City Wastes Disposal Co. (Consulting), 156 5th av
Claflin, F. M. Engineering Co. (& Contracting), 39 Cortlandt
Clark, George H., 154 Nassau
Clark, Watson G. (Consulting), 1123 B'way
Clark & McMullen (Consulting), 20 Broad
Clarke, Henry J. Bowie (M. E.), 1 Madison av
Clase, Howard B. (Consulting), 1542 B'way
Clements, J. M. (Mining), 15 William
Cleverdon & Brice, 154 Nassau
Coade, Wm. H. (Contracting), 71 B'way
Cochrane, G. V. (Consulting), 2 W 125th
Coffin, T. A. (Consulting), 45 B'way
Colby, Albert Ladd (Consulting & Inspecting, Iron & Steel Metallurgist), 217 W. 110th
Cole, John A. & Edward S. (Consulting & M. E.),
Cole, H. J. 29 B'way 220 B'way
Collins, D. C. N. (Consulting), 29 B'way
Columbian Co. (Contracting), 39 Cortlandt
Composite Pile Construction Co. (Contracting), 17 Park av
Comstock, L. K. & Co. (& Contracting), 50 Church
Concrete-Steel Co. (Contracting), 29 B'way
Concrete-Steel Engineering Co. (Consulting), 17 Park row
Cone, John J. (Consulting), 90 West
Conkling, Jno. P., 229 B'way
Conley, Owen J. (Mining), 18 B'way
Connell, Lykes & Connell (Consulting), 90 West
Connon, Geo. W. (Consulting), 11 B'way
Consolidated Engineering Co. (Contracting), 156 5th av
Consolidated Engineering Co. of America, 43 Exchange pl
Consolidated Engineering & Construction Co. (Contracting), Madison av
Constant, Chas. L. (Mining), 61 Beekman
Constructing Engineers Co. (Contracting), 90 West
Converse, M. D. (M. E.), 141 B'way
Cook & Shine (M. E.), 72 E 114th
Cooke, C. H., 55 Broad
Cooper, Hugh L. (Consulting), 60 Wall
Cooper, Theodore (Consulting), 45 B'way
Cooper & Evans Co. (Contracting), 220 B'way
Cooperstock, Jno., 1477 Washington av
Cornell, J. N. H. & Co. (Contracting), 29 B'way
Corning, C. R. (Mining), 36 Wall
Corning, Fredk. G. (Consulting & Mining), 35 Wall
Cornwall, Plock & Saltzman (Consulting), 41 Union sq
Corthell, Elmer L. (Consulting), 1 Nassau
Corthell, Jas. C., 2311 Loring pl
Cortright, Harry (M. E.), 1431 B'way
Coverdale, W. H. & Co. (Consulting), 66 B'way
Crabb, Chas. L. Co. (M. E.), 115 Nassau
Crane, C. Austin, 505 E Tremont av
Crane, W. F. & Co. (Contracting), 100 William
Craven, MacDonough (Consulting), 220 B'way
Crawford, Robert (Contracting), 332 E 23d
Crehore, William W. (Consulting), 116 Nassau
Crowell, Foster (& Mining), 18 B'way
Culver, Alston G., 280 B'way
Culver & Steinacher (& Surveyors), 150 Nassau
Culyer, John Y., 116 Nassau
Cunningham, John (Surveyor), 243 B'way
Cunningham, Stanley, 11 E 24th
Cuntz, Herman F. (Consulting), 7 E 42d
Curtin-Ruggles Co. (Contracting), 39 Cortlandt
Curtis, Greeley S. (Consulting), 17 Battery pl
Custodis, Alphons Chimney Cons. Co., 99 Nassau
Dana, R. T. (Consulting), 15 William
Dare, Benj. A. (M. E.), 29 B'way
Darling, Oscar (Consulting & Contracting), 17 Park row
Darlington, Jno. H. (Consulting M. E.), 41
Daube, Oscar (Mining), 25 Broad Pine
Davidson, T. W. G., 135 B'way
Davies, J. Vipond (Consulting), 30 Church
Davis, Lewis K. (Consulting), 437 5th av
Davis, Thos. C., 90 West
Dean, C. W. Co. (Contracting), 136 Liberty
De Bevoise, Chas. H., 149 B'way
Degnon Contracting Co. (Contracting), 60 Wall
Delaney-Roberts Co. (Contracting), 103 Park av
De L'Espee, L. H. (Mining), 1133 B'way
Delmar, Alex. (Mining), 54 W 23d
D'Ollier Engineering Co. (M. E.), 116 Liberty
Devereux, James H. (Mining), 35 Wall
Devereux's, Walter B. Sons (Mining), 15 William
Dewey Engineering Co. (Contracting), 89 Centre
Diamond, Thos. L. (Consulting), 236 W 13th
Dickey, Wm. D. (M. E.), 1 Produce Exchange
Dickman R. N. (Mining), 43 Cedar
Dietz Engineering Co. (Contracting), 116 Nassau
Disbrow, Wm. H. B., 156 5th
Dixon, J. Alfred (M. E.), 2 Rector
*Dixon, Robt. M. (M. E.), 2 Rector
Dodge, G. M., 1 B'way
Doe & Ferguson (Inc.) (& Contracting), 32 Park pl
Donnelly, J. A. (Consulting), 132 Nassau
Donnelly, Wm. T. (Consulting M. E.), 135 B'way
Dooley, John, 60 Wall
Doty, A. Duane (Consulting), 35 Warren
Doty, Arthur L. G., 17 State
Douglas, J. W., 42 B'way
Dow, Alex. (Consulting), 104 W 42d
Dow & Smith (Consulting), 24 E 21st
Downs, Wm. (M. E.), 90 West
Drewsen Co. (M. E.), 5 Beekman
Dudley, Philemon H., 136 Water
Duenkel, C. L. (Consult C. E. & M. E.), 120 Liberty
Dugan, James, 32 Liberty
Duncan, Arthur M. (Surveyor), 35 W 32d
Duncan Louis (Consulting), 56 Pine
Dunham, Herbert F. (Consulting), 220 B'way
Du Vivier, Ernest H. (Consulting), 14 Church
Dwight, Arthur S. (Mining), 25 Broad
Dwight, Jonathan, 134 W 71st
Dwyer, Jos. A. (Contracting), 70 5th av
*Earll, Chas. I. (Patents), 11 B'way
Eastwick Engineering Co. (Ltd.), Consulting C. E. & Designers of Cane & Beet Sugar Refineries), 42 B'way
Eaton, S. Edward Co. (M. E.), 662 Hudson
Eccles, John L. Co. (Contracting), 117 Edwards, H. W., 74 B'way Mercer
Edwards, Jos. & Co. (M. E.), 416 Water
Ehrbar, Louis H., 26 Cortlandt
Eidlitz, Leopold, Jr., 1123 B'way
Eidlitz & Ross, 1123 B'way
Eldred, Byron E. (M. E.), 208 5th av
Ellendt, J. G. Co. (Consulting & Contracting), 1 Madison av
Elliott, John L. (Mining), 71 B'way
Ellis, Evans & Co. (Contracting), 50 B'way
Ely, Jno., Jr., 23 Union sq.
Emerson Co. (Consulting), 30 Church
Emerson, H. D., 7 Pine
Empire Engineering Corp. (M. E.), 60 Wall
Empire State Engineering Co. (M. E.), 149 B'way
Engineering Supervision Co. (Consulting), 320 5th av
Engineering & Developement Co. (Contracting), 71 B'way
Ennisson, W. Jay (M. E.), 138 Liberty
Enscoe, Geo. R. (Contracting), 21 Park row
Equitable Engineering Co. (Contracting), 2 Rector
Ernst, Arthur A. (Consulting), 437 5th av
Eurich, E. F. (Consulting & Mining), 15 William
Evans, Almirall & Co. (M. E.), 281 Water
Everett, Chas. J. (M. E.), 523 W 43d
Eynon-Evans Mfg. Co. (M. E.), 42 B'way 132 Nassau
*Faber-Du-Faur & Donnelly (Consulting), 132 Nassau
Fahn & McJunkin (Consulting), 201 E 16th
Falding, Frederic J. (Consulting), 55 B'way
Falk, Myron T., 60 Wall
Farish, John B. (Consulting), 40 Wall
Farish, W. H. & Co. (Mining), 10 Wall
Farley, John M. (Consulting), 1 Madison av
Farmer & Farmer, 123 Liberty
Farrar, Wm. M., 154 Nassau
Farrington, Harvey (Consulting), 45 B'way
Farrow, Edward S. (Consulting), 30 Church
Farwell, Elmer S. (Consulting), 309 B'way
Fearn, Percy L. (Mining), 36 Wall
Feldman, A. M. (Consulting C. E. & M. E.), 120 Liberty
Ficklen-Baker Construction Co. (Contracting), 1 Madison av
Field, Wilfred B. (Mining & M. E.), 15
Field, Wm. P. (C. E.), 36 E 23d Broad
Fillingham, M. P. (Consulting), 114 Liberty
Finlay, J. R. (Mining), 2 Rector
Fisher, Francis D., 60 Wall
Fisher & Pagan (Contracting), 23 Platt
Fitz, Harold G., 50 W 44th
Fleming, Hy. S. (Consulting), 1 B'way

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Floy, Hy. Co. (Consulting C. E. & M. E.), 220 B'way
Fohr, Frans (Mining), 132 Nassau
Forbes, P. R. (Mining), 15 Nassau
*Ford, Bacon & Davis (Consulting, Electric Railway, Power & Lighting, etc.), 115 B'way
Ford, Peter D. (Consulting), 17 Park row
Ford, Wm. G., 32 B'way
Ford's, Francis W. Sons (Surveyors), 8
*Forney, M. W., 1 Madison av James
*Forstall, A. E. (Consulting), 58 William
Fougner, Herman, 1 Madison av
Foundation Co. (Contracting), 115 B'way
*Fowler, Geo. L. (Consulting), 58 B'way
Fowler, Geo. W. & Co. (Consulting), 30 Broad
Fox, D. Alvin (Consulting), 11 B'way
Foye, Andrew E. Co. (Contracting), 67 Exchange pl
Frances Bros. & Jellet (Inc.) (Consulting), 156 5th av
Franklin Engineering Co. (Consulting), 346 B'way
Frick, Horace E. Co. (Contracting), 286 Greenwich
Friedmann, Edw. N. (Consulting M. E.), 17 Battery pl
Frith, A. J. (M. E.), 39 Cortlandt
Frost, Geo. H. (Pres. Eng. News Pub. Co.), 220 B'way
Fry, Alfred B. (M. E.) (Chief Engineer, U. S Treasury Service), P. O. bldg
Fuertes, Jas. H. (Consulting, Water Supply, Sewerage, Sewage Disposal, etc.), 140 Nassau
Fuller Engineering Co. (Contracting), 111 B'way
Fuller, Geo. W. (Consulting), 170 B'way
Gardam, Wm. & Son (Inc.), 221 Fulton
GAS POWER CO. (Chemical, Gas & Combustion), 2 Rector. (See adv. index, end of book)
Getes Engineering Co. (Contracting), 90 William
Gendolph, Jos. H. (M. E.), 100 B'way
General Cont. & Eng. Co. (Consulting), 50 Church
General Engineering Co. (Consulting), 90 West
Gerhardt, Wm. P. (Consulting), 33 Union sq, W.
Gest, Guy M. (Contracting), 277 B'way
*Gibbs, Geo. (Consulting), 8 Bridge
Gildersleeve, Alger G., 217 W 125th
Gillespie, G. Curtis (M. E.), 9 Warren
Gillispie, T. A. Co. (Contracting), 90 West
Glasser, Fred'k E. (& Surveyor), 70 Manhattan
Goble, Frank N. (Contracting), 1 E 42d
Goldmark, Chas. J. (Consulting M. E.), 103 Park av
Goldschmidt, Otto E. (Consulting), 149 B'way
Goldstone, Lawrence P. (Mining), 25 Broad
Goss & Bryce (M. E.), 76 William
Gotshall, Wm. C. (Consulting), 76 William
Granger, A. D. Co. (Consulting), 90 West
Gray, J. H. Co. (Consulting), 949 B'way
Greenbaum, Leo. S. (M. E.), 151 E 71st
Greenberg & Bartlett (Contracting), 1 Madison av
Greene, Stanley K. (M. E.), 26 Cortlandt
Greene & Greene (Consulting Docks, Foundation, Paving Plants, Concrete Machinery, etc.), 11 B'way
Grey, Henry & Son (Consulting), 68 William
Griffith, Chas. G. (Mining), 15 William
Griggs, J. S., Jr. (Consulting M. E.), 3 S William
Griggs & Holbrook (Contracting), 3 S. William
Grimm, Paul H. (Consulting), 7 Wall
GRISCOM-SPENCER CO. (M. E., Consulting & Contracting), 90 West. (See adv. index, end of book)
Grossmann, Edmund (Consulting), 1 Madison av
Grunsky, C. E. (Consulting), 45 B'way
Guarantee Construction Co. (Contracting), 90 West
Gueber, F. S. & Co., 45 B'way
Guion, Barnard R. (& Surveyor), 1383 Washington av
Gunn, Richards & Co. (Consulting), 43 Wall
Gurlitt-Manning Co. (Contracting), 90 West
Gustin, R. Prosper, 60 Wall
Hackett, Geo. E. (Consulting M. E.), 90 West
*Hagne, Charles A. (Consulting), 52 B'way
Hague, J. D. (Mining), 18 Wall
Haight, Horace D., 22 Platt
Hall, F. P. & Co. (M. E.), 50 Church
*Hall, Robert E. (Sec'y, New York Steam Fitting Co.), 147 Lafayette
Hall, Willis E. (Consulting), 30 Pine
Hallam, F. W. (Contracting), 361 Avenue A
Hallsted, Jas. C. (Consulting), 90 West
Ham, Wm. Deane (Consulting), 45 W 34th
Hamilton & Hansell (Mining), 29 B'way
Hammond, George T. (Consulting), 60 Wall
Hammond, Jno. F., 60 Wall
Hammond, Jno. H. (Mining), 71 B'way
Hammond & Sloane (Contracting), 60 Wall
Hamshaw, Clarence M., 220 B'way
Hamshaw, Fletcher T. (& M. E.) 220 B'way
Hanchett, Geo. T. (Consulting), 237 Fulton
Hanan, Rudolph (Consulting), 198 B'way
Hancock, Jno. C., 977 Summit av
Hansel, Chas. & Co. (Consulting), 43 Exchange pl
Haney, Lewis T., 220 B'way
Hardinge, H. W. (Mining), 43 Exchange pl
Hardy, Geo. F. (Consulting Paper Mill, etc.), 309 B'way
Haring, Alex., 29 B'way
Harrington, Samuel H. (M. E.), 120 Liberty
Harrison, Burt S. (Consulting), 11 E 24th
Harrison, Chas. L., 345 E 33d
Harrison, Louis B. (Contracting), 21 Park row
Hart, B. Franklin, Jr., & Co. (Contracting), 143 Liberty
Hartlett, Geo. D. (Consulting), 78 Wall
Hartmann, Andrew P. (& Surveyor), 61 Wil-
Havens, Wm. W., 150 B'way liam
Hawthorne, Wyman G. (M. E.), 50 B'way
Hayes, Chas. M. (Contracting), 220 B'way
Hayes, Geo. S. (Consulting), 1123 B'way
Hazen, Whipple (Consulting, Water Filtration & Sewage Disposal), 103 Park av
Hazen, Wm. N., 225 5th
Heineken, Hayne & McCarthy, 1123 B'way
Henderson, George R. (M. E.), 20 W 34th
Henderson, Henry (Consulting), 114 E 23d
Hennebique Construction Co. (Inc.) (Contracting), 1170 B'way
*Henning, Gustav C. (Consulting C. E. & M. E.), 150 Nassau
Henrich, Carl (Consulting), 42 New
Henry, P. W., 90 West
Henshaw, F. V. (Consulting), 96 Wall
Hering & Fuller (Consulting, Water Supply & Purification, Sewerage, Sewage Disposal, etc.), 170 B'way
Herisse E. (Consulting), 243 B'way
Herrick, Albert B. (Consulting), 120 Lib-
Herschel, Clemens, 2 Wall erty
Herz & Co., 203 Lafayette
Hesse, G. E. (M. E.), 39 Cortlandt
Hicks, Chas. E. (Consulting), 132 Nassau
Hicks, James M. (M. E.), 19 Park pl
Higgins, J. Wallace, 345 5th av
Hildreth & Co. (Consulting C. E. & M. E.), 135 B'way
*Hill, George (Consulting), 12 W 40th
Hill, Geo. F. (Contracting), 201 E 33d
Hill, G. E. (Consulting & Contracting), 156 5th av
Hill, H. P. (Consulting), 30 Church
Hill, Malcolm W. Co. (Contracting), 317 W 42d
Hill, Nicholas L., Jr. (Consulting), 100 William
Hill, Robt. T. (Mining), 25 Broad
Hill & Irvine (M. E. Consulting), 25 Broad
Hirsch, Patrick (Contracting), 25 Broad
Hirt, Louis J. (Consulting M. E.), 25 Broad
Hodge, Henry W., 1 Nassau
Hoermann, Alfred E. (M. E.), 41 Park row
Holbrook, J. B. (Consulting M. E.), 3 S William
Hollerith, Geo. C. (Surveyor), 176 B'way
Holmes, Fred. S. (M. E.), 2 Rector
Holtzman, Stevens F., 11 E 24th
Honolulu Iron Works Co. (Consulting), 11
Hood, R. H. Co., 299 B'way B'way
Hooper, Geo. K. (Consulting), 11 B'way
Hopkins, Edward L. (M. E.), 74 Cortlandt
Hopper, John J., 215 W 125th
Horenburger, Herman, 422 E 159th
Horne, L. W. & Co. (Consulting), 150 Nassau
Horsfall, Henry A. (Mining), 69 Wall
Horsfall, Samuel B., 20 E 42d
*Hough, David L. (Consulting), 32 E 33d
Howard, J. W., 1 B'way
Howes, Benj. A. (Contracting), 1193 B'way
Howland-Kirk Co. (Consulting), 50 Church
Hoxie, Geo. L., 50 Church
Hudson, Clarence W. (Consulting), 45 B'way
Hudson Companies, 43 W 27th
Hudson Engineering Co. (Contracting), 90 West
Hughes, C. H. & Co. (Consulting), 120 B'way
*Humphreys & Glasgow (Consulting, Gas & Electric Light), 165 B'way
*Hunt, Chas. W., 45 B'way
Hunt, H. V. (Consulting), 39 Cortlandt
Hunt, Robt. W. & Co. (Consulting & Testing), 90 West
Hurd & Haggin (M. E.), 316 Hudson
Hussa, Theo. F. (Consulting), 136 Liberty
Hutchins, J. P. (Mining), 52 B'way
Hutchinson, Cary T. (Consulting), 60 Wall
Idell, Frank E. (Consulting), 50 Church
Ihlseng, A. O. (Mining), 45 B'way
Independent Engineering Co. (Consulting), 50 Church
Industrial Engineering Co. (Contracting), 95 Liberty
Irvine, Fred. B., 25 Broad
Jack, Chas. P. M. (Consulting), 67 Cotton
Jacobs, Chas. M., 30 Church Exchange
Jacobs & Davies (Consulting), 85 Cedar
Jarrett, Edwin S. (Consulting, 115 B'way
Jenks, Asserson Construction Co. (Consulting), 50 Pearl
Jenks, L. Howard (M. E.), 39 Cortlandt
Johnson, David C. (M. E.), 22 William
Johnson, F. Amos (Consulting), 143 Liberty
Johnson, Sinclair J., 10 Wall
Johnson, Wallace C. (M. E. & C. E.), 43 Exchange pl
Johnston, Albert T., Jr., 42 B'way
Judd, Edw. K. (Mining), 25 Pearl
Junge, F. E. & Co. (Consulting), 150 Nassau
Kaufman, A. G. (Consulting), 133 Reade
Keith, Herbert C. (Consulting), 116 Nassau
Keller, Herman A. (M. E.), 45 B'way
Kellers, John F. (M. E.), 143 Maiden la
Kellogg, M. W. & Co. (Contracting), 50 Church
Kelly & Kelley (Contracting), 45 E 42d
Kempton & McCoy (Mining & M. E.), 29 B'way
Kennedy, Jos. E. (Mining), 10 Liberty
Kennedy, J. J., 52 B'way
Kennedy, Wm. P. (Consulting), 1765 B'way
Kenny, Jno. Jr., 39 Cortlandt
Kent, Ellis O. (M. E.), 120 Liberty
*Kerr, W. C., 8 Bridge
Kidde, Walter (Contracting), 90 West
Kidney, A. H. (Mining), 10 Wall
Kilpatrick, Jno. D., 90 West
Kimball, Richard D. (Consulting), 437 5th
Kimball & Colvin (Consulting), 45 W 34th
King, Chas. D. (M. E.), 95 Liberty
King, John W. (Consulting), 21 Park av
Kinsman, Frank E. (Consulting), 37 Wall
Kirkegaard, Geo. (M. E.), 514 Pearl
Klein, Ed. A., 32 Liberty
Klein, Otto H. (Consulting), 127 Franklin
Klein, Wm. W., 3d av c E 177th
Klepetko, Frank (Consulting & Mining), 90
Klingberg, Willgott, 116 W 39th
Knapp, Jno. A. (Consulting C. E. & Mining), 15 William
Knowles, Edw. R. (Consulting C. E. & M. E.), 61 Park row
Knox, Charles E. (Consulting), 76 William
Knox, Douglass (& Surveyor), 686 Kingsbridge rd
Knox & Allen (Mining), 82 Beaver
Koenig, Adolph L. G. (M. E.), 1123 B'way
Koyle C. Henschel (Consulting), 18 B'way
Kraus, Otto (Consulting C. E. & M. E.), 143 Liberty
Kuenzel, Chas A. (M. E.), 299 B'way
Kuhne, Eugene (Consulting), 147 4th av
Kuichling, Emil, 52 B'way
Kunhardt, W. B. (Mining), 100 B'way
Ladd, E. W. (M. E.), 61 Park row
Lamb, Richard, 136 Liberty
Lancaster, James H. Engineering Co. (Consulting, Contracting, Mining & M. E.), 111 B'way
Landan & Golden (M. E.), 1779 B'way
Landing, Jaug. (Consulting), 21 Park row
Langton, Jno. (Consulting), 99 John
Lant, Frank P., 135 B'way
Lapham, Jno. G. (Consulting), 136 Liberty
Lassoe, Valdemar F. (Consulting), 8 Bridge
Latey & Slater (Consulting), 100 B'way
Lawlor, Thos. F. (Consulting), 69 Wall
Lawrence, Benj. B. (Mining), 60 Wall
Lawyers' Engineering & Surveying Co., 135 B'way
Layng, Hy. G. (Consulting), 18 B'way
Leavitt, Chas. W., Jr., 220 B'way
Ledoux & Co. (Consulting & Mining), 99 John
Lee & Hewitt, 1123 B'way
Lenher, Engineering Co. (Contracting), 140 B'way
Leserman, Philip (M. E.), 1123 B'way
Letson, T. H., 39 Cortlandt
Levering & Garrigues Co. (Steel Work & Consulting), 552 W 23d
Lewinson & Co. (Contacting), 128 W 42d
Lewis, Nelson P., 277 B'way
Lewkowics, Anthony J. (M. E.), 229 B'way
Lidner, P. Gustav (Mining), 130 Lex. av
Lindenthal, Gustav (Consulting), 45 Cedar
Livermore, William White, 35 W 32d

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Livingston, Johnston, Jr., & Co. (M. E.), 113 E 22d
Livingston, Robt. R. (Consulting), 2 Rector
Llera, Manuel (Consulting), 2 Rector
Lloyd, Percival M. (M. E.), 107 Lexington av
Loder, Cornelius & Associates, 154 Nassau
Loewenstein, Max (M. E.), 169 E 129th
Long, E. McL., 220 B'way
Loomis, Horace, 21 Park row
Loomis-Pettibone Co. (M. E.), 2 Rector
Loretz & Son (Consulting C. E. & M. E.), 150 Nassau
Low, Geo. E. (Consulting), 45 B'way
Lowe, Wm. Bell. (Mining), 42 B'way
Lozier, Robt. T. (Consulting), 115 B'way
Lucius Engineering & Contracting Co. (Consulting), 38 Park row
Lundie, John (Consulting M. E., Electric Railway, Power & Lighting, etc.), 52 B'way
Luquer, T. T. P. (Consulting), 103 Park av
Lynch, C. J. L. (Surveyor), 202 E 39th
Lyndon, Lamar (Consulting), 56 Pine
Lyne, Lewis F. (M. E.), 39 Cortlandt
McAdam, John V. (M. E.), 523 W 45th
McClave, Rimmer Co. (Contracting), 90 West
McClintock-Marshall Construction Co. (Contracting), 17 Park pl
McCord, James B., 29 B'way
McCoy, Percy B. (Mining & M. E.), 29 B'way
McCulloch, Robt. A., 51 Chambers
McDowell, E. K. (Consulting), 132 Nassau
McElwee, Alex. (Consulting), 50 B'way
McGonagle, Arthur Co. (Contracting), 136 Liberty
McGuire, Jas. C. & Co. (Contracting & Consulting C. E.), 50 Church
McKay, John E., 21 Park row
McKenna, Chas. F. (Consulting), 50 Church
McKim, Alex. Rice (Consulting Structural), 116 E 28th
McLean, Embury (Consulting C. E. & M. E.), 50 Church
McMutrie-Guiler Co. (Consulting), 82 Beaver
McNulty, Geo. W., 299 B'way
McTighe, Leo. A. (M. E.), 11 B'way
MacDonald, Bernard (Mining), 35 Wall
MacDonald, Chas., 5 Nassau
MacDonald, W. S. (Consulting), 5 Nassau
MacGregor, R. A., 505 E Tremont av
MacSorley Co. (M. E.), 44 Manhattan
Mack, Franklin D. (Consulting), 346 B'way
Mackay, Alfred (Consulting), 95 Liberty
Mackenzie, Quarrier & Ferguson (Inc.) (M. E.), 114 Liberty
MacNeille, Perry R. (Consulting), 2 E 33d
Madden, Hugh F. (M. E.), 200 W 57th
Madison Erection Co., 281 4th av
Magovern, Edw. E. (Consulting), 299 B'way
Mailloux, C. O. (Consulting), 76 William
Malu, Wm., 100 B'way
Maloney, James H. (& Surveyor), 527 E 187th
Malsin, Albert (M. E.), 99 Nassau
Manhattan Engineering Co. (M. E.), 97 Water
Mann & McNeille (Consulting), 2 E 33d
Mapes, Chas. A. (Surveyor), 2804 3d av
Marcus, Samuel W. (Mining), 15 Broad
Marks, Wm. D. (Consulting), 21 Park row
Martin, Frank S., 52 Beaver
Marvin & Casler Co. (M. E.), 703 Times bldg
*Mason, D. A. (M. E.), 502 Produce Ex
Mason, Volney W., Jr. (Consulting C. E. & M. E.), 189 Franklin
Masters, Henry H. (Consulting), 15 Whitehall
Mathewson, Ernest T. (Consulting), 90 West
Matthews, Fred'k E. (Consulting), 150 Nassau
Maxwell & Howe (M. E.), 90 West
May, Alfred W. (M. E.), 141 B'way
Mayer, Jos. (Consulting), 1 B'way
Mayers, J. Alex. (Contracting), 56 Pine
Maynard, Geo. W. (Consulting & Mining), 20 Nassau
Masuel, Edmund G. F. R. du (Consulting), 43 Exchange pl
Meads, Chas. & Co., 299 B'way
*Meier, E. D., 11 B'way
Meier, F. R. (Consulting), 1 B'way
Meier, Konrad (Consulting), 27 E 22d
Meikelman & Dinsmore (Consulting), 25 Broad
Merriman, Mansfield (Consulting), 45 B'way
Merritt, Lucius R. (M. E.), 26 Cortlandt
Mershon, Ralph (Consulting), 60 Wall
Mesa, Antonio E., 33 W 118th
Mesa, Henry (Surveyor), 505 W 149th
Meyer, Chas. A. & Son (& Surveyors), 194 Bowery
Meyer, Henry C., Jr. (Consulting), 1 Madison av
Meyers, Chas. B. (Consulting), 1 Union sq W
Mickley & Smith (M. E.), 19 Thames
Miller, Arthur B. (M. E.), 90 West
Miller, Frank, 143 Liberty
Miller, H. C. & Co., 1 Madison av
Miller, Rudolph P. (Consulting), 527 5th av
Miller, Spencer, 96 Liberty
Miller-Collins Co. (Consulting), 29 B'way
Milliken Bros. (Inc.), 11 B'way
Milliken, Geo. F. (Consulting), 50 Church
Minard, Fred'k H. (Mining), 111 B'way
Mitchell, Chas. C. (Contracting), 1 Madison av
Mitchell, N. J. Co. (Consulting), 7 Pine
Mitchell, Wm. E. (Mining), 25 Broad
Moffat, Alex., 27 William
Monad Engineering Co. (M. E.), 147 Cedar
Monks, Jno. & Sons (Contracting), 82 Beaver
Monolithic Engineering Co. (Contracting), 1 Madison av
Montauk Engineering Co. (Contracting), 50 South
*Moore, Chas. A. (Manning, Maxwell & Moore), 85 Liberty
Moore, Chas. C. & Co. (Consulting), 30 Church
Moore, Chas. H., 50 Church
Moore, Ernest C., 154 Nassau
Moore, John D. (M. E.), 45 Liberty
Moore, J. R. (Consulting), 156 5th av
Moore, Thos. L., 505 E Tremont av
Moorees, Herman P. (Consulting), 120 Liberty
Morey, Wm., Jr., 788 B'way
Moritz, Albert (Consulting), 35 B'way
Morrison, Hy. P. (& Surveyor), 17 Park row
Morrison, Marsden, 18 B'way
Morrow, John T. (Consulting), 27 Pine
Mortensen, Waldemar H., 401 W 24th
Moscowitz & McKirdy (Consulting), 18 B'way
Moses, P. R. (Consulting), 45 W 34th
Moss, Robt. E. (Consulting), 12 Elm
Motley, W. G. & Co. (Mining), 32 B'way
Moulton Mace (Consulting Bridges & Steel Structures, etc.), 150 Nassau
Mueser, Wm. (Consulting), 17 Park row
Municipal Engineering & Contracting Co. (Consulting), 90 West
Muralt & Co., 114 Liberty
Murgatroyd, Hy. E. (Surveyor), 1901 Bathgate av
*Murray, Thos. E. (Gen'l Mgr., New York Electric Light, Heat & Power Co., 55 Duane
Muschel, Wm. (Surveyor), 78 E 4th
Mutual Engineering Co. (C. E. & M. E.), 101 Beekman
Myers, Chas. H. (Consulting), 45 B'way
Myers, David M. (Consulting), 17 Park row
Namur, August (Consulting), 262 W 129th
Nasmyth, Chas. J. (Consulting), 111 B'way
Nassau Engineering Co. (Contracting), 44 Pine
Nau, Jno. B. (Consulting), 1 B'way
Newell, Frank L. (Consulting), 1 Madison av
Newton, Chas. A. (Mining), 54 Warren
Newton, Earl B. (M. E.), 2 Rector
New Britain Machine Co. (M. E.), 135 B'way
New York Engineering Agency, 35 Warren
New York Engineering Co. (Contracting), 2 Rector
New York Sewage Disposal Co. (C. E.), 1 Madison av
New York State Construction Co. (Contract), 78 Broad
Nichols, Chas. H. (Consulting), 527 5th av
Nichols, H. P., 277 B'way
Nilson, Lars G. (Consulting), 15 Wall
Noble, Alfred, 315 5th av
Norris, R. V. (Consulting), 99 John
Nostrand, P. E. (& Surveyor), 149 B'way
Nugent, Jno. W. (M. E.), 70 W 96th
O'Connor, McIntire Co. (Contracting), 314 Madison av
Olcott & Corning (Consulting & Mining), 36 Wall
Olmstead, G. S., 97 Nassau
Olney, Geo. R., 312 W 99th
Olsen, Charles K. (M. E.), 550 W 29th
Olson, John E. (M. E.), 39 W 25th
Opdycke, Hy. G., 30 Church
Opdyke, Stacy B., Jr. (Contracting), 1931 B'way
Ordman, Max D. (Consulting C. E. & M. E.), 280 B'way
O'Rourke Engineering Construction Co. (Contracting), 345 5th av
O'Rourke, John F., 345 5th av
Ortiz, Jose M. (Mining), 60 Wall
Osborn Engineering Co., 45 B'way
Osborne Engineering Mfg. Co. (M. E.), 141 B'way
Palmedo, L. P. (M. E.), 280 B'way
Parker, Asa W., 45 B'way
Parker Bros. (Consulting), 143 Liberty
Parmelee, Chas. L. (Consulting), 90 West
Parmley, Walter C. (Consulting), 78 5th
Parson Mfg. Co. (M.E.), 299 B'way av
Parsons, Bert H. (Consulting), 60 Wall
*Parsons, H. de B. (Consulting), 22 William
Parsons, Wm. B. (Consulting), 60 Wall
Pasquini, Attilid, 1123 B'way
Patent Development & Mechanical Draughting Co. (M. E.), 99 Nassau
Pattison Bros. (Consulting), 949 B'way
Bayne, Clarence Q. (Mining), 99 John
Pearce, R. T. (M. E.), 95 Liberty
Pearse, Arthur L. (Mining), 15 Broad
Pearse, Kingston & Browne (Mining & M. E.), Mills bldg
*Pearson, F. S. (Consulting), 25 Broad
Pearson, James J. (Consulting), 40 Wall
Pelton Water Wheel Co. (M. E.), 90 West
Perin, Chas. P. (Consulting & Mining), 2 Rector
Perrine, Fred. A. C. (Consulting), 60 Wall
Perrine, Geo., 22 William
Perry, O. C. (Mining), 71 B'way
Phillips, Ellis L. & Co. (Consulting), 45 B'way
Phillips & Worthington (Contracting), 136 Liberty
Phipps, Edward H. (Consulting), 220 B'way
Piatti, Paul J. (Consulting & Contracting), 156 5th av
Pierson & Goodrich (Consulting), 281 4th av
Pigott, Stephen J. (M. E.), 2 Rector
Pilkington, Herbert M. (M. E.), 5 Cedar
Pittman, Reinhard W. (M. E.), 147 Lafayette
Pittsburg Testing Laboratory (Mining), 15 William
Place, Jas. F. (Consulting), 257 B'way
*Platt, John (Consulting), 97 Cedar
Plume, Frank C., 42 B'way
Plymouth Realty Co. (Contracting), 1368 B'way
*Pollock, Alex., 203 West
Porter, Holbrook F. J. (Consulting), 1 Madison av
Post, Henry W. (Consulting), 281 4th av
Potter, Alex. (Consulting), 143 Liberty
Power Engineering & Construction Co. (Contracting), 1123 B'way
Power Specialty Co. (Consulting), 111 B'way
Pratt, Chas. R. (Consulting), 1123 B'way
Pratt, Wm. A. (Consulting), 50 Church
Prince, Benjamin (Consulting), 71 B'way
Providence Cons. Gold Mining Co. (Mining), 5 Nassau
Providence Engineering Works (M. E.), 42 B'way
Provost, Francis A. (Contracting), 50 B'way
Pryce, E. Hugh (Consulting), 136 Liberty
Pultz, J. L. (Mining), 71 B'way
Pultz, John T. (Consulting), 2 Rector
Purdy & Henderson, 78 5th av
Purification & Engineering (Consulting), 50 Church
Quay Engineering Co. (Consulting), 1123 B'way
Randall, Geo. W., 1123 B'way
Randall, Wesley (M. E.), 71 B'way
Randolph, Jno. C. F. (Consulting & Mining), 15 Broad
Ransome & Smith Co. (Consulting), 11 B'way
Raque, Philip E. (Consulting & Contracting), 150 B'way
Raymond, Rossiter W. (Consulting & Mining), 20 W 39th
Rector Engineering Co. (Consulting), 1 Madison av
Reed, S. A. (Consulting), 17 Battery pl
Reed, Wm. B., Jr., 162 W 121st
Rees & Co. (M. E.), 220 E 86th
Reid, Thoburn (Consulting), 93 Wall
Reinert, Fred'k (& Surveyor), 280 B'way
Reis & O'Donovan (Consulting M. E.), 1123 B'way
Rendall, Geo. F. (Mining), 120 Liberty
Reno, Jesse W. (Mining), 553 W 33d
Renwick, Edward S. (M. E.), 19 Park pl
Reynolds, John P., Jr. (M. E.), 21 Park row
Rhodes, Fred. Dana (& Consulting), 90 West
Richards, Chas. R. (Dir. Dept. Manual Training, Teachers' Col., Columbia University)
*Richards, Francis H. (Expert in Patent Cases), 11 Murray
Richards & Gaston (Contracting), 143 Liberty
Ricketts & Banks (Mining), 104 John
Ries, Elias E. (Consulting), 116 Nassau
Riordan, D. M. (Mining), 42 B'way
Risse, Louis A. (& Surveyor), 17 Park row

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Robbins, Percey (Consulting), 165 B'way
Roberts, Evelyn (Consulting), 18 B'way
Roberts, H. R. (M. E.), 45 B'way
Roberts V. 223 5th
Robinson, Cyrus (Consulting), 71 B'way
Robinson, James K. (Consulting), 45 Pine
*Robinson, John M. (M. M. & Supt.), 15 Broad
Robinson & Wagner, 1 Madison av
Rockwell Engineering Co. (M. E.), 26 Cortlandt
*Roelker, Hugo B. (Consulting), 41 Maiden la
Rogers, A. H. (Mining), 82 Beaver
Rogers, A. P. (Mining), 52 B'way
Rogers, E. M. (Mining), 32 B'way
Rogers, Geo. H. (& Surveyor), 7 E 42d
Rolderer, Rudolph M., 141 B'way
Rolf, Bernard, 39 Cortlandt
Rothschum, F. (Contracting), 71 B'way
Ross, Lucien D., 1 Union sq, W.
Rossi, Auguste J. (& Mining), 35 B'way
Rublen, Fred'k W. (Surveyor), 51 Chambers
Rudolphy, Jacob (Surveyor), 703 Lexington
Ruggles, Horace F. (M.E.), 106 Wall av
Ruggles, Wm. B., 39 Cortlandt
RUGGLES-COLES ENGINEERING Co. (M. E.), 39 Cortlandt. (See adv. index, end of book)
Rusling Co. (Contracting M. E.), 39 Cortlandt
Rutherford, Robt. A. (Contracting), 59 Pearl
Sandbach, B. W. & Co. (Contracting), 101 Prince
Sanderson & Porter (Engineers & Contractors, Gas, Electric Light & Power), 52 William
Sanford, Henry (M. E.), 149 B'way
Sanford, Harry C., 60 Wall
*Sayward, John F. (H. & V. Engr.), 525 W 23d
Schaefer, J. H., 3d av c E Tremont av
Schaeffer, Amos L., 2309 Loring pl
Schermerborn, Richard J., 29 B'way
Schoenijahn, Robert P. (M. E.), 150 Nassau
Schmidt, Max E., 45 B'way
Scholl, Julian & Co. (Contracting), 126 Liberty
Schroeder, John A. (M. E.), 149 B'way
Schroter, Geo. A. (Mining), 111 B'way
Schuchart, Paul A. (Consulting), 17 Park row
Schwartz, Alfred (Mining), 15 Broad
Schweirs & Sutton Co. (Contracting), 90 West
Schwerin, Martin (Mining), 49 Wall
Scott, James B. (M. E.), 27 William
Scribner, Chas. W. (M. E.), 39 Cortlandt
*Seaman, Henry B. Consulting), 40 Wall
*See, Horace (& Naval Architect), 1 B'way
Sergeant-Maxwell Co. (Contracting), 32 B'way
Serrell, Lemuel W. (Est. of) (Consulting M. E., Electric, Railway, Power & Lighting Plants, etc.), 29 B'way
Serrell & Schenck (M. E.), 17 State
Sever, Geo. F. (Consulting), 17 Park row
Seward, J. Loyal, 215 W 23d
Sharpless, Fred'k S. (Consulting Mining), 52 B'way
Shaw, Chas. H. (M. E.), 141 B'way
Shedlock, Alfred (M. E.), 45 B'way
Sheffield, A. W., 122 E 25th
Shepard, Gilbert R. (M. E.), 444 Water
Shockley, Jos. H. (Consulting), 66 B'way
Simonds & Burns (Mining), 60 Wall
Simpson, Geo. (Consulting), 51 Wall
Sirocco Engineering Co. (M. E.), 140 Cedar
Skerrett, Robt. G. (M. E.), 15 William
Slade, Arthur J. (M. E.), Times bldg
Slawson-Graham Co. (Contracting), 24 New Chambers
Smidth, F. L. & Co. (Consulting, Contracting, Cement Plants & M. E.), 39 Cortlandt
Smith, A. Delos (M. E.), 156 5th av
Smith, Augustus (Contracting), 149 B'way
Smith, Chas. F. (Consulting), 18 B'way
Smith, Fred'k L. (M. E.), 5 Beekman
*Smith, Jesse M. (Consulting & Electrical & Expert in Patent Cases), 220 B'way
Smith, Mortimer A., 90 W B'way
Smith, Robert W. (Civil), 136 Liberty
Smyth, David W. (Mining), 41 Liberty
Snare & Triest Co. (Steel Structural), 143
Snow, Chas. H., University Hts. Liberty
Soorsmith, Chas. (Consulting), 71 B'way
Soper, Geo. A. (Sanitary), 20 B'way
Sonne, Otto, 132 Nassau
Sorensen & Farrington (Contracting), 150 5th av
Sorzano, Julio F. (Consulting), 52 B'way
Sovereign, R. J. Co. (Contracting), 63 5th av
Spence, Peter C., 156 5th av
Spencer, Wm. (Mining), 27 William
Spilsbury, E. G. Engineering Co. (Consulting), 45 B'way
Spindler, H. H. (Surveyor), 2808 3d av
Spinner, Francis R., 35 Warren
Sprague, F. J. (Consulting), 20 Broad
Spurr, J. Edw. (Mining), 71 B'way
Staats, R. P. & J. H. (Inc.) (Contracting), 29 B'way
Stadelman, Fred'k (M. E.), 50 Church
Standard Temperature Regulator Co. (M. E.), 90 West
Stanton, Robert B. (Consulting), 66 B'way
Starr Engineering Co. (Consulting,) 258 B'way
Starrett, Theo. (Consulting), 2 Rector
Starr-King Development Co. (Mining), 5 Nassau
Steele, Wesley (Consulting), 56 Pine
Steeneken, Frank L., 205 E 17th
Steers, Henry (Inc.) (Consulting & Contracting), 17 Battery pl
Stehlin-Miller Co. (M. E. Consulting), 103 Park av
Stetson, Thos. D. (Mech'l Expert & Patents), 108 Fulton
Stevens-Hewitt Engineering Co. (Contracting), 15 William
Stevenson, Raldiris & Co., 201 B'way
Stevenson, James (Mining), 44 Broad
Stevenson, Robert (Consulting), 52 B'way
Stewart, John M., Pier A, N. R.
Stillman, Oscar B. (M. E.), 76 William
Stillwell, Lewis B. (Consulting), 100 B'way
Stoddard, Geo. C. (& Surveyor), 217 W 125th
Stokes, George W. (Consulting), 66 3d av
Stone, Wilbur M. (Consulting & M. E.), 21 Park row
Stonestreet, Geo. D. (Mining), 45 B'way
Stratton, E. Platt (Consulting Mechanical), 66-70 Beaver
Street, Edgar L. (Consulting), 43 Cedar
Strong, Mason B., 7 Wall
Suren, Ferdinand (M. E.), 416 E 162d
Suter, Geo. A. & Co. (M. E.), 112 Wooster
Sutherland, Alexander M. (M. E.), 49 Wall
Sutherland, F. T. (Mining), 15 Broad
Sutton, Frank (Consulting), 91 Wall
Sweeney, E. C., 44 Pine
Swinburne & Co. (Consulting,), 156 5th av
Sykes, Geo. (Contracting), 1123 B'way
Taggart, Ralph C. (M. E.), 61 Park row
Tainter, F. S., 90 West
Taylor, Frank (Consulting), Produce Exchange
Taylor, Wyant W. (Consulting), 2 Rector
Ten Broeck, Floyd G. (Consulting), 309 B'way
Terry, Steinacher Co. (Contracting), 150 Nassau
Thacher, Edwin, 17 Park row
Thayer, B. B. (Mining), 42 B'way
Thompson, Ellis (Consulting), 56 Pine
Thompson, Geo. H. (Consulting), 21 Park row
Thompson, Peter (Contracting), 1908 Park av
Thomson, H. Serrell, 220 B'way
Thomson, T. Kennard (Consulting), 50 Church
Thomson, William (M. E.), Havemeyer, c Ellis av
Thornley, Julian, 220 B'way
Timmis, W. T. (Consulting), 150 Nassau
Tingley, R. H. Co. (Consulting), 27 William
Todd, Joseph C. (M. E.), 203 B'way
Tompkins, C. H., 90 West
Tonking, Jas. B. (Consulting), 90 West
Torrance, Henry, Jr. (M. E.), 50 Church
Tew, W. H. (Consulting), 90 West
Towl, Forrest M., 26 B'way
Towle, F. R., Jr. (Surveyor), 243 B'way
Towle, Herbert L. (Consulting), 150 Nassau
Towle, Stevenson (Consulting), 7 E 42d
Towle & Towle (& Surveyors), 5 E 42d
Townsend, Arthur R. (Mining), 52 B'way
Traction Engineering Co. (Contracting), 5 Nassau
Tracy, Jos. (Consulting), 116 W 39th
Tracy Engineering Co. (Consulting), 66 Beaver
Trainor, Jno. J. (M. E.), 101 Warren
Traylor Engineering Co. (Civil Mining), 2 Rector
Treadwell, M. H. & Co. (Contracting), 90 West
Tribus & Massa, 84 Warren
Trotter, Alfred W., 141 B'way
Truesdall, W. E. (C. E.), 7 W 38th
Tubbs, Albert W. (M. E.), 11 B'way
Tucker, Benj. W. (Consulting M. E.), 143 Liberty
Tucker, William C. (Sanitary), 156 5th av
Tucker & Vinton Corp. (Contracting), 103 Park av
Turbo Electric Construction Co. (Consulting), 39 Cortlandt
*Tuska, Gustav R. (Consulting C. E. & M. E.), 68 William
Underhill, Chas. R. (Consulting), 55 Liberty
United Engineering & Contracting Co. (Consulting & Contracting), 17 W 42d
Urban Contracting & Heating Co. (M. E.), 114 5th av
United States Engineering Co. (Contracting), 27 William
United States Drying Engineering Co. (Consulting), 99 Pearl
Upham, Richard D. (& M. E.), 11 B'way
Vail, Carl M. (M. E.), 8 Bridge
Vanderborst, Elias (Consulting), 45 B'way
Van Horne, John G. (Consulting), 20 B'way
Van Vleck, John (M. E.), 100 B'way
Van Winkle, Edw. (Consulting), Flat Iron bldg
*Veit, Richard C. (Mgr. Marine Dept., Standard Oil Co.), 26 B'way
Vermeule, Cornelius C., 203 B'way
Vesterdahl, Karl & Co. (Contracting), 90 West
Vickess, Samuel (Consulting & M. E.), 107 Front
Viele, Blackwell & Buck (& Consulting), Vogel, Henry W. (Surveyor), 51 Chambers
Von Goeben C. & Engel (Consulting), 90
Von Hoffmann, Ferd., 1133 B'way West
Von Rosenberg, Leo (Mining), 42 B'way
Vredenburgh, Watson (& M. E.), 135 B'way
Wainwright, J. Howard (Mining), 60 Wall
*Waitt, A. M. (Consulting M. E.), 165 B'way
Walsh, Sidney J. (M. E.), 194 Bowery
Walters, Malcolm H. (M. E.), 2177 8th av
Warfield, Lewis (Mining), 15 William
Waring, Chapman & Farquhar, 874 B'way
Warner, Chas. D., 43 Exchange pl
Warner, Chas. S. (Consulting), 165 B'way
Waldo, Leonard (Consulting), 49 Wall
Waldo, William B. (Contracting), 21 Park row
Waldron, Fred'k A. (M. E.), 37 Wall
Walker, Robert L. (M. E.), 21 Park row
Wallace, Jos. H. & Co. (Consulting & Superintending M. E.), 5 Beekman
Ward, Geo. A. (M. E.), 25 W 42d
Warner, Geo. M. (M. E.), 29 W 5th
Warren Co. (Contracting), 345 5th av
Washington Co. (Contracting), 39 Cortlandt
Washington, Wm. D. H. (M. E.), 29 B'way
Waterman, F. N. (Consulting & M. E.), 100 B'way
Waters, Rob't L. (Surveyor), 90 W B'way
Watson & Watson (Consulting Mining), 25 Broad
Weaver, Jno. L. (Mining), 120 Liberty
Webster, Albert L. (Consulting), 82 Wall
Webster, J. O. B., 17 Park Row
Webster, Warren & Co. (M. E.), 17 State
Weems, David G. (Mining), 56 William
Weinheim, E. (Mining), 29 B'way
Weir, M. Wakeman, 45 B'way
Weireter, Chas. A. (M. E.), 136 Liberty
Weiskopf & Stern (Consulting), 68 William
Weld, Christopher M. (Consulting), 2 Rector
Wellman-Seaver-Morgan Co. (Consulting C. E. & M. E.), 50 Church
Wells, J. Hollis (Consulting), 32 Nassau
*Wells, J. Leland (Pres., Wells & Newton Co.), 202 Av B
Wells, Justin P. (Consulting), 26 Cortlandt
Wendland, Chas. F. (Consulting), 176 Centre
Wendtland, William (M. E.), 216 Centre
Westerberg & Williams (Contracting), 120 Liberty
Westervelt, Wm. Y. (Consulting & Mining), 100 William
Westinghouse, Church, Kerr & Co. (Contracting), 8 Bridge
Weston Engineering Co. (M. E.), 39 Wall
Wetmore & Landsing (Consulting & M. E.), 21 Park row
Wheeler Condenser & Engineering Co. (M. E.), 90 West
Wheeler, Geo. C. & A. E. (Surveyors), 1154 St. Nicholas av
*Wheeler, Schuyler S. (Pres., Crocker-Wheeler Co.), 30 Church
Whinery, Sam'l (& Consulting), 95 Liberty
Whipple, Geo. C. (Consulting), 103 Park av
White, J. G. & Co. (Consulting & Contracting), 43 Exchange pl
Whitney, A. R., Jr., & Co. (Contracting), 135 B'way
Whitney, Chas. S. (M. E.), 90 William
Whitney, O. R. (M. E.), 39 Cortlandt
Whitney-Steen Co. (Contracting), 135 B'way
Whyte, Nicholas, 7 Wall
Wigand, Albert A., 101 Warren
Wilkinson & Stewart (M. E.), 5 Beekman

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Willey, Henry Ide (Consulting), 170 B'way
Williams Engineering & Contracting Co (Contracting), 17 Park row
Williams, Proctor & Potts (Inc.) (Consulting, Sewers, Waterworks & General Construction), 17 Battery pl
Williamson, F. S. (Consulting), 84 William
Wills & Marvin (Contracting), 1170 B'way
Wilmoth, W. F. (Consulting), 409 W 15th
Wilson, Fremont (Consulting), 34 Pine
Wilson, Henry C. (Consulting), 1 Madison
Wilson, Jno. (Consulting), 17 B'way av
Wilson, Wm. (Consulting), 100 William
Wiltsee, Ernest A. (Mining), 111 B'way
Winters, James E., 1123 B'way
Wohlauer, A. A. (Consulting), 500 5th av
Wolf, John G. (M. E.), 185 Greenwich
Wolfe, Christian J. (Contracting), 24 Stone
Wolff, Alfred R. (Consulting), 130 Fulton
Wood, Benj. B., 21 Park row
Wood, Edgar J. Co. (Consulting), 243 B'way
Wood, Hy. S., 17 Park row
Wood, Wm. A. (Consulting), 2 Rector
Woollen, Arthur (Consulting), 42 Pine
Woolson & Deck Co. (M. E.), 26 Cortlandt
Wortley, Samuel S. (Contracting), 39 Cortlandt
Wotherspoon, Harry H. (Mining), 217 W 125th
Wright, J. K. (M. E.), 136 Liberty
Wylie, Jas. A. (Surveyor), 5 Beekman
Wynn, Hy. G., 312 Madison av
Yeatman, Pope (Mining), 71 B'way
Young, Wm. R. (M. E.), 26 Cortlandt
Zabriskie, A. J., 23 5th av
Zalinski, E. L. (Consulting), 201 E. 16th
Zirkel, William J (Mining), 545 W 22d
Zoak, M. A., 74 B'way

Borough of Queens.

ELMHURST—Browne, Walter I., 31 B'way
FAR ROCKAWAY—Conklin, E. W. & Sons (& Surveyors)
FLUSHING—Bogert, Jno. L. (M. E.), Myrtle av
Tunis, O. Lyman (M. E.)
Grotz, Peter E. (M. E.), Myrtle av nr Lawrence
Hanimann, Charles (M. E.), 127 Leavitt
Haviland, Geo. W., Jr. (& Surveyor)
Kimball, A. Howard, 45 Main
Koulin, Jno. J., 102 Amity
Roullier, Gustave R., 45 Main
Wilson, Robert, 11 Main
Ver Kouteren, Adrian J. (Consulting), 97 Burling av
GLENDALE STATION—Browne, Walter G. (& Surveyor)
HOLLIS—Clifford, C. H.
JAMAICA—Conklin, Ezra W. & Son, 354 Fulton
Evans Bros.
Evans, D. J. & Co., 357 Fulton av
Kurz, Robert (Surveyor), 26 Ackroyd av
McLaughlin, Sylvester H. (& Surveyor), 324 Fulton
Morris, Geo. A.
LAUREL HILL—*Boenig, Robert W. (Consulting, Nicholl's Chemical Co.)
LONG ISLAND CITY—Beebe, Alexander S. (Surveyor), 24 Jackson av
Burke Engineering & Contracting Co., 152
Elwood, Frank E., 123 11th West av
Farley, Philip P., 246 Jackson av
Fisher, Howell T., 142 3d
Hinchman, M. L. (Mining), 246 Jackson av
Gould & Murphy Engineering & Contracting Co., 182 B'way
Hood, J. Nelson, 142 3d
Meyers, Willard F. (M. E.), Vernon av c
Rapelje, Peter, 142 3d 14th
Smith, Leonard C. L., 24 Jackson av
Tait, Harold, Jackson av, c 5th
Vanalst, Peter G., 702 Vernon av
MASPETH—Meinekheim, Bernard G.
*Richardson, Clifford (Dir. Testing Laboratory), 6th & West av
Skeen, Fred'k, 411 Lockwood
Smith, Leonard C. L. (& Surveyor), 24 Jackson av
Tait, Harold, 5th & Jackson av
Vanalst, Peter G., 702 Vernon av
NEWTOWN—Bartlett, Homer L.
RICHMOND HILL—Deehan, James F., 279 Johnson av
Howe, R. W., Myrtle av, c Park
Wallis, Philip (Supt. M. P., L. I. R. R. Co.)
WOODHAVEN—Deehan, Jas. F. (& Surveyor), 1508 University pl

Borough of Richmond.

LINOLEUMVILLE—*Melvin, Davin N. (Supt., American Linoleum Mfg. Co.)
NEW BRIGHTON—Bragdon, Edmund V.
Creeden, Jno. F., Rich bldg
Fetherston, John T., Rich bldg
Freeman, Llewellyn W., Rich bldg
Frey, Michael F., R. R. Station
Morrison, Hy. P.
Oxholm, Theo. S., Rich bldg
Pratt, Wm. A., R. R. Station, St. George
Riches, Jas. H., Rich bldg
Rotheroe, Fred'k J. (& Consulting), 407 Rich ter
Snedeker, Wm., Rich bldg
Stout, Ellarson, Rich bldg
Tribus, Louis L., Rich bldg
Tuttle, Geo. W., Rich bldg
PORT RICHMOND—Gonigal, John F., Graniteville
Kelly, Thomas M., 5 Anderson av
Nye, James
ROSEBANK—Shortt, Jno. H., Sea av n Rich av
ST. GEORGE—Bouton, Arthur G., Borough Hall
Casey, James J., Borough Hall
Frey, Michael F., Crabtree bldg
Greunthal, A. F., Borough Hall
Hillyer, Wm. R., Borough Hall
Kelly, Thos. M., Borough Hall
Law, Edward M., Borough Hall
Lurye, Hy. I., Borough Hall
Mouronval, Henri, Borough Hall
Nichols, Munson, Borough Hall
Redgrave, Wm. B., Crabtree bldg
Riches, James H., Borough Hall
Samuelson, Abraham B., Borough Hall
Selmer, William, Borough Hall
Snedeker, William, Borough Hall
Stont, Ellasson, Borough Hall
Tribus, Louis L., Borough Hall
Wood, Robt. W., Borough Hall
Yetman, Hubbard R., Borough Hall
TOTTENVILLE—Yetman, Hubbard R.
WEST NEW BRIGHTON—Morrison, Hy. P. (& Surveyor), 177 Rich ter
Pettigrew, Walter E. (& Surveyor), 177 Rich ter

(End of New York City)

NIAGARA FALLS—Brackenridge, W. A. (Consulting)
Burns, E. Z., 824 Ashland av
Douglass, A. C. (Mining)
Johnson, W. C. (Consulting)
Jones, Walter (City)
McCullough, Walter.
Palmer, Powles D. (M. E.), 9 Maple av
NORTH TONAWANDA—Cushing, B. L.
Smith, A. P. (& Surveyor)
NYACK—Demarest, J. E.
OGDENSBURG—Tate, Geo. A.
Tate, Thomas B.
ONEIDA—Tibbitts, Geo. S.
ONEONTA—Seybolt, A.
Miller, Orson A. (City)
OSSINING—Horton, Wilbur E. (& M. E.), 165 Main
Palmer, Powles D., 9 Maple av
OSWEGO—Harris, Nelson J., City Hall.
PAINTED POST—*Parsons, Fred'k W. (Treas., Imperial Engine Co.)
PATCHOGUE—Applegarth, A. P.
Smith, Emmett
PEEKSKILL—Reynolds, I. W.
Wright, Geo.
PLATTSBURG—Averill, H. K.
PORTCHESTER—*Burdsall, Elwood
Kirley, Richard S.
McIntire, Geo. A. (M. E.)
Sands, Purdy G.
POTSDAM—*Aldrich, Wm. S. (Consulting)
Cruikshank, Barton (M. E.) (Pres. Clarkson School Tech.)
Doble, Robert McF. (Consulting M. E.)
Robinson, Edward (Prof. Mech'l Eng'r'r, Clarkson School Tech.)
POUGHKEEPSIE—Brevoort, B. H. (Consulting & Surveyor) 54 Market
Hart, Fred'k (M. E.), Builds & Develops all Kinds of Inventions), Lansing ave
Lloyd, Percival M. (M. E.), 39 Market
RICHMOND HILL—(See New York City, Borough of Queens)
RIVERHEAD—*Edwards, J. Irving
ROCHESTER—Ashley Machine Works (M. E.), 714 University av
Brown, Legrand (Consulting), 16 State
Cochrane, R. B. (M. E.), 15 St. James
*Duerner, Hy. L., 925 St. Paul
Fisher, E. A.
Fitch, Henry L., Livingston bldg
Gaskin, R. E. & E. W., Elwood bldg
Grant, A. J., Elwood bldg
Gray, Wm. C., Livingston bldg
Jones, H., 53 Madison
La Casse, A. H. (M. E.), E. & B. bldg
Lysle, W. S. (Consulting Mining & M. E.), 29 Elizabeth
Morse, Wm. F. (M. E.), 191 State
Peck, Casmus C. (Consulting M. E.), E. & B. bldg
Rafter, Geo. W. (Consulting, Water Works, Sewerage & Sewage Disposal), 195 Ken-wood av
Ryan, John C., 120 Arcade
Storey, W. R., E. & B. bldg
Taylor, H. W. (City)
Titus, A. B. (Surveyor), 16 State
Trebert, H. L. F. (M. E.), 407 St. Paul
ROME—Knight & Hopkins (Consulting)
Schillner, Geo. C. (City), 106 Canal
Stanwix Eng. Co., The
SAG HARBOR—Hunt, E. Z.
SANDY HILL—McCarty, Jas.
Monty, J. P.
SARATOGA SPRINGS—Mott, J. S. & Son (City)
SCHENECTADY—FitzGerald, J. L., 175 Jay
Gifford, Wm., 785 State
Hook, Gulian S., 705 Union
Jackson, J. M., 32 Wash'n av
Landreth, Olin E. (Prof. of Eng'r'g, Union
McDonald, A. J., 437 State Col.)
Mills, N. C., 227 Liberty
*Riddell, Jno. (Mech'l Supt., Gen. Elec. Co.)
Sebring, Lewis B., 116 1-2 Wall
Smith, Dewitt C., 118½ Wall
Trumbull, Chas. W., 703 State
STAPLETON—(See New York City, Borough of Richmond)
SYRACUSE—*Bates, Ed. P. (Mfr. Htg. Appts.), 228 W. Water
Bauder, B. F., 311 Noxon
Beach, H. T. (Consulting), City Hall
*Blauvelt, W. H. (Gen'l Mgr., Semet Solvay Co.)
*Bump, Burton Nelson (Eng'r of Tests, Solvay Process Co.)
Clarke, T. W., City Hall
Griffin, Rhesa, 307 E. Genesee
Hawkinson, F. W., 108 Harrison
Higgins, Geo. E., 84 Wieting blk
Hodgkins, H. C. (C. E.), Kirk bldg
Mather, Thos. H. (Consulting), O. C. S. Bank bldg
Morrison & Farrington (& Surveyors), Dillaye Mem. bldg
Newkirk, W. H., 307 Montgomery
Schnauber, Frank J. (Consulting)
Strong, D. C., 211 E Jeffa
Strong, E. S., City Hall
*Trump, Edward N. (Gen'l Mgr. & Chief Engineer, Solvay Process Co.)
Woodward, Wm. J., 307 E. Genesee
TARRYTOWN—Carpenter, Ward
Parsons, F. W. (M. E.) (Supt., Rand Drill Co.)
Merritt, D. S.
Walf, C. E.
TROY—Baltimore, Garnett D., 162 8th
*Burden, Jas. A. (Pres., Burden Iron Co.),
Colby, John D., 2240 5th av 6th Ward
Edwards, F., 369 Congress
Flynn, Jno., Jr., 87 3d
*Goldthwaite, Abel G. (Supt. Construction, W. H. Tolhurst & Son), Fulton c 6th av
Halligan, Henry H., 201 Ferry
*Hammett, Hiram G. (Mgr., M. C. Hammett), 476 8th
Mason, Wm. P. (Water Analysis) Polytechnic Institute
Rensselaer Polytechnic Institute,
*Ricketts, Palmer C. (Dir. & Prof. Mechs., Rens. Poly. Inst.)
TUPPER LAKE—Langlotz, Robert (M. E.)
UTICA—*Babcock, Stephen E. (Consulting C. E., M. E. & Hydraulic), Mann bldg
Bartow, Pierrepont (& M. E.), 207 Oneida
Baxter, Francis K. (& Hydraulic), 46 Arcade
Baxter, John R. (Surveyor), Utica City National Bank bldg
Capron, Jay, 99 Park av
Frisbie, Byron, 88 Dudley av
Johnson, C. L., 238 Mary
Lewis, Clifford, Jr., Second National Bank
Mott & Kemper, 20 Arcade bldg
Robertaccio, Lenardo, 750 Bleecker
Schultze, Paul (City Engineer), City Hall
Seymour, Horatio, Utica City National Bank bldg
Sherman, R. W., Utica City Nat'l Bank bldg
Stone, Wm. G. & Son (& M. E.), Mann bldg
Sweet, H. B. (Consulting Engineer), 17 Clarendon
Taylor, Charles S. (& Surveyor) 62 Arcade
WALTON—Randall, Theo. D.
WARSAW—McClure, Jas. O.
WATERTOWN—Carter, D. F., 10 Massey
Cleveland, Milo L., 11 Mill
Cooper-Madison Co. (Consulting & Designing Refrigerating, Engineers)
Eaton & Brownell (Civil & Mechanical)
Hinds, Frank A., 26 Flower bldg
McComb, C. O. (City Engineer)
Semper, C. H., Flower bldg
Semper, Wm. J., Flower bldg
WATERVLIET—Sturgess Governor Engineering Co. (M. E.)
Thomas, Jeffrey P., 615 6th
WAVERLY—Walker, Fredk I.

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WELLSVILLE—Sage, Chas. E. (Consulting M. E.)
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WEST WINFIELD—Gibson, A. T. (M. E.)
WHITE PLAINS—Byrne & Darling
Carpenter, J. Henry & Co.
Farley, J. M. (Town Engineer)
WILLIAMS BRIDGE—Parsons, Fred H.
YONKERS—Baldwin, Wm. Henry, 45 Warburton av
Cowles, Geo. S., 8 Getty sq
Jordan, Edward L. 456 Van Cortlandt Park av
O'Connor, Jno. F. K., 618 N B'way
*Odell, Wm. H., 5 Van Cortlandt Park av
Rayner George & Sons, 15 Warburton av
Skinner & Connelly (M. E.), 8 Nepperham av
Van Suetendael, A. J., 15 N B'way
Von Leliva, Chas. E., 45 Warburton av

NORTH CAROLINA.

ASHEVILLE—Brown, B.
Lee, B. M.
Jenks, C. N. (Mining)
Roebling, John A.
CHAPEL HILL—Pratt, Jos. Hyde (Mining)
CHARLOTTE—Gilchrist, Peter S. (Chemical)
Hubbell, O. G.
Morgan, C. C., Engineering Co. (Mining, etc.)
Tompkins, D. A. Co.
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NEWBERN—Brown, Henry A.
Cheney, Alfred, Jr.
RALEIGH—Barrett & Thomson (Consulting)
Blake, W. Z. (City)
Shaffer, A. W.
SALISBURY—Ramsay, Jno. E.
WILMINGTON—Humphrey, C. R. (City)
Jones, Jas. P.
WILSON—Miller & Tyson (M. E.)
WINSTON SALEM—Ludlow, J. L. (Consulting Civil)

NORTH DAKOTA.

BISMARCK—Harrold, Jno.
CANDO—Judd, E. T.
CARRINGTON—Wiley, Geo.
COOPERSTOWN—Ueland, M. A.
DICKINSON—Brookings, R. S.
Russell, W. S.
FARGO—Crabbe, S. F.
GRAFTON—Mott, H. H.
GRAND FORKS—*Crouch, Calvin H.
Lawson, T. L.
Russell, W. S. (City), St. John's blk
Smith, J. J.
HILLSBORO—Svalestuen, Knute
JAMESTOWN—Conn, Geo.
LANGDON—Darling, A. B.
MANDAN—Harmon, H. E.
MAYVILLE—Bramble, G. E.
MINOT—Jensen, L. P.
VALLEY CITY—Smith, T. M.
WAHPETON—Burbank, J. I.

OHIO.

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Connor, J. H. (M. E.), Hamilton bldg
Gehres, J. A. (& County Surveyor), Court House sq
Herndon, Z. T. (& Mining), Everett bldg
Kirn, Grant (M. E.), 194 Beck av
Paul Bros. (& Surveyors), 128 S Main
Payne, John W. (City)
ALLIANCE—Gyger, Geo. R.
Pfouts, O. W. (City)
Urig, Edw. F.
ASHLAND—Berry, Elvin L. (County Surveyor)
ASHTABULA—Amsden, Lewis
Mann, Harvey E. (City)
Sill, J. S.
ATHENS—Hibbard, S. H. (County Surveyor)
BATAVIA—Rapp, John T. (County Surveyor)
BEDFORD—Bedford Engineering Co. (Consulting & Contracting, Bldgs., Bridges, Cranes, etc.) Bedford, O
BELLAIRE—A. F. Norton (C. E., Mining &
BELLEFONTAINE—Buchanan, S. A. M. E.)
Cushing, C. C. (C. E., M. E. & Mining)
Grim & Fisher
Richey, Chas. M. (County Surveyor)
Van Auken, Jas. M. (City)
Wonders, Jas. C. (County Surveyor)
BOWLING GREEN—Gallier, John
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Guise, Chas. (City)
Hall-Rittenhouse Co. (M. E.)
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Danford, E. S. (County Surveyor)
CADIZ—Green, Benj. J. (County Surveyor)
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Webster, W. V. (County)
Woodburn, Albert (County Surveyor)
CANTON—Chapin & Knowles, Central Savings Bank bldg
Crossley & Waterhouse, 116 Market
Holl, O. W., 2234 Tuscarawas
Holl, Jno. H., 130 E Tuscarawas
Myers, F. E., 200 N Market
Sarver, W. E., 806 Shorb
Sickafoose, G. L., 804 Linden av
Weber, Phil. H., 1220 Worley av
CARROLLTON—Shaw, Eli D. (County Surveyor)
CELINA—Lutz, Martin (County Surveyor)
CHARDON—Merkel, E. A. (County Surveyor)
CHILLICOTHE—Fullerton, Union blk
Redd, Henry M. (City)
Walker, B. F. (County Surveyor)
Weber, P. H.
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Baldwin, Ward (Civil, Consulting), Commercial Tribune bldg
Bauer-Shepard Eng. Co. (Consulting), 5th & Main
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Benzenberg, Geo. H., City Hall
Betts, F. B., 131 E University av
Boeh, Wm. H. (Chief Engnr., City Water Works), City Hall
Bone, Evan P. (M. E.), 2126 St. James av
Bone, Frank A., 2126 St. James av
Bouscaren, J. P., 322 W 4th
Bradford, Homer (M. E.), 514 Main
Bradford Machine Tool Co. (M. E.), 667 Evans
Bryan, Daniel B. (M. E.), Ohio Mechanic's Institute
Burke, M. D., 4th Nat'l Bank bldg
Cloud, L. G. (Mining), First Nat'l Bank bldg
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Cowen, Clinton (County Surveyor), Court House
Dannenhower, C. N., 805 Richmond
Darrow Engineering Co. (Consulting), 1st Nat'l Bank bldg
Diekmeier, Geo. W., Dayton & Freeman avs
Dodge Mfg. Co. (Consulting & M. E.), 128 W 3d
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Duwellius, A. L. (M. E.) (Sec'y & Eng'r, Electric Safety Brake Co.), 206 E 5th
Eberle, Chas. A., 2843 Observatory av
Engle, Robt. L., 1530 Lincoln av
Fahnestock, C. M. (M. E.), 608 Commercial-Tribune bldg
Franz, Walter G. (Consulting), Union Trust bldg
Gast, E. A., 524 Considine av
Glaser, Emil Fred., 1202 Vine
Harrison, Benj. W., 914 Main
Harper, J. M., Court House
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Heckle, E. J., Title Guarantee bldg
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Heyl Bros., c Linn & Hopkins
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Hobart, J. C. (M. E.), 610 Baymiller
Holshalb, Edw. J. (Asst. Engr., B. of P. S.), Bell blk
Hornung, Geo. & Son (& M. E.), Johnston bldg
Hosbrook, D. S. & Son, Pickering bldg
Hosbrook & Ferris, Carlisle bldg
Huge, E. W., 423 E Liberty
Ilmer & Co. (Consulting M. E., Gas Engine Experts), 4th Nat'l Bank bldg
Innes, H. C., 728 Burns av, Hartwell
Jonte, Peter N., 943 Betts
Kaiser, O. B. (M. E. & Patent Attorney), Carlisle bldg
Kearney, John & Co. (& M. E.), 328 New
Knorr, H. E. (Ass't County Engineer), Court House
Krug, Frank S. (County Engineer), Court House
Layman, E. F. (& M. E.), Blymyer bldg
Lemon, J. C. (Consulting M. E.), Perin bldg
Lynn, E. B. Engineering Co., 611 Prospect
Miles, C. W. (M. E.), Wiggins blk
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Randolph, T. F. Co., 232 E 5th
Reliance Engineering Co. (M. E.), 4th Nat'l Bank bldg
Ridgway, Thos. A., Sr., 424 Dayton
Ridgway & Ridgway, Grand Opera House bldg
Rogers, Chas. L. (Mining), 917 Rogers pl
Runck, Edw. G. (City), B. of P. S., 316 Vine
Rugg, J. K. (Consulting & Contracting M. E.), Commercial-Tribune bldg
Schreiber, The L. & Sons Co. (M. E.), 413 E 8th
Sherrod, Jno., United Bank bldg
Shipley, H. F., Street & Sewer Repair Dept. B. of P. S.
Smead, Isaac D. & Co. (Constructing), Commercial Tribune bldg
Spengel, C. (Draughtsman & Patent Attorney), Atlas Bank bldg
Sullivan & Stichnath, Commercial Tribune bldg
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Thompson, Jos. P., 1614 State av
Tozzer, Henry, 4211 Turrill
Walker, Frank C. (City), B. of P. S., 3640 Russell av
Wulfekoetter, E. W., Jr., B. of P. S., Hulbert blk
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Atwater, Albert A., 154 Blenheim av, Collinwood
Babcock & Penton (M. E.), Perry-Payne bldg
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Beardsley, Joseph C., Caxton bldg
Bill, Herbert W., 21 Public sq
Boalt, Eugene E., Caxton bldg
Brown, J. F., Cuyahoga bldg
Burgess, Clarence H., Lennox bldg
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Claflin, F. N. Engineering Co., 6901 Clinton av
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Culley, Geo. Park bldg
Davis, John B. & Son, 242 The Arcade
Donnelly, Wm. E. (M. E. & Expert in Patent Cases), Cuyahoga bldg
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Dravo, Doyle & Co. (M. E.), Citizens bldg
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Le Baron, J. Francis, Park bldg
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Lewis, Chas. F., Osborn bldg
Lindmueller, Edward (M. E.), Williamson bldg
McArthey & Pae (M. E.), Electric bldg
McDonald Bros. (M. E.), Hickox bldg
McGeorge Engineering Co. (M. E.), The Century bldg
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Marani, Virgil G., American Trust bldg
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Paul, Hosea, Rose bldg
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Peck, Francis J. & Co. (Mining), Williamson bldg
Phelps, Geo. D. (M. E.), 10801 Churchill av, N.E.
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Rattle, Wm. J. & Son (Mining), Commercial Bank bldg
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*Rider, Geo. S. & Co. (Consulting), Century bldg
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Ross, Jas. T., Electric bldg
Root, Chas W., Society for Savings bldg
Ruggles, Ashbel P., 614 Cuyahoga bldg
Seaver, John W. (M. E.), Caxton bldg
Sprackling Engineering Co., O'Brien bldg
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Tuttle, Jno. V. (& Surveyor), 54 Penrose av, E. O.
Union Engineering Co. (M. E.), 1616 Columbus rd, N. W.
Varney, Joshua D., 64 Public sq
Vorce Engineering Co. (& M. E.), Perry-Payne bldg
Warner, Monroe, 1752 E 89th, N. E.
Watson, Wilbur J. & Co. (Concrete a Specialty), Citizens bldg
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Blinn, Ray S. (Ass't Engineer, Board of Public Service)
Bradbury, E. G. (Waterworks Sewage & Sewage Disposal), 85 N High
Bowen, Benj. F. (Surveyor), 226 E State
Brann, W. (County Surveyor), 418 S High
Case Mfg. Co. (M. E.), Curtis av c St
Courtwright, John, 847 S High Clair av
Franklin Eng. Co. (Consulting), Sav. & Trust bldg
*Hitchcock, Embury A. (Asso. Prof. Expl. Engineering, Ohio State Uni.), 380 W 8th av
Hopkins, M. S. (Mechanical), Wyandotte
Jennings, F. W., 49 N Hig bldg
Kemmler, E. A. (Ass't City), 85 Deshler av
Maetzel, Henry (City), 165 Deshler av
*Magruder, Wm. T. (Prof. Mech'l Eng'r'g, Ohio State Univ.), 191 King av
National Engineering Co., Brunson bldg
Ray, F. A., 137 King av
*Robinson, S. W. (Pres., Robinson & Tilton Mfg. Co.), 515 W 1st av
Scheibell, Wm. O. (Civil) 80½ High
Shaw, H. J., Outlook bldg
Wyer, Samuel S. (Mechanical Consulting), Harrison bldg
COSHOCTON—Bock, George (County Surveyor)
Fisher, A. M. (City)
CONNEAUT—Linninger, T. F. (City)
CUYAHOGA FALLS—Edgecombe Co. (M. E.)
DAYTON—Baird, Edwin C., Court House (County Surveyor)
Cellarius, Fred J., Arcade, 3d st. entrance
Duplainte, W. E. (Mining), 339 W Grand
Green, Carl R., 101 E 3d av
Kemlein, F. Otto (Deputy County Surveyor)
Keppele-Hall Co., U. B. bldg
Klepinger, Howard R. (County Surveyor)
Kline, Robt. E. (City), Callahan Bk. bldg
McDargh, Harry J. (Consulting), Conover
Riddell, W. D., U. B. bldg bldg
Riley, G. W., Callahan blk
*Schneble, R. G. (M. E.), 521 E Hickory
Sebold, R. P., c 3d & Jefferson
Sharts, Stanley R. (Deputy County Surveyor)
Stattelmann, Gustav R., 37 W. Wash'n
Talbott, H. E. & Co., Reibold bldg
Turner, Frank M. (City), Reibold bldg
Walts, Jos. E., 524 E Hickory
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Steinberger, M. W. (City)
Toberen, Henry (City)
DELAWARE—Dike, J. S. (City)
Mendenhall, E. S. (County Surveyor)
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Kelly, Chas. (City)
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EATON—Roberts, F. C. (County Surveyor)
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Jackson, E. S.
Theobald, C. M. (City)
FINDLAY—Boulton, Elmer C. (County Surveyor)
Glathart, Harry A. (County Surveyor)
Riegle, Jno. W. S. (City)
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Hochenedel, Chas. A. (County Surveyor)
Hughs, Henry
Lesher, Geo. (City)
Rawson, J. L.
GALION—Atkinson, J. W. (City)
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White, W. R. (City)
GENEVA—Hewit, B. F. (City)
GEORGETOWN—Wolfe, L. H. (County Surveyor)
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GREENVILLE—Beers, John
Lucas, C. O.
Marker, James R. (County Surveyor)
Slade, Charles (City)
HAMILTON—Dillon, L. A. (County & City Surveyor)
See, James W. (Consulting M. E.)
Weaver, John C., Court House
HARTWELL—Innes, Harry C.
MacGregor, J. Grant
Maxwell, Lewis C.
Wiltsee, Wm. P.
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Hunter, H. W. (County Surveyor)
Vance, Hugh S. (County Surveyor)
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Edgerton, James T. (County Surveyor)
Hatcher, W. B. G.
Leet, Fred G.
JACKSON—Turner, John W. (County Surveyor)
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LIMA—Brice, John K. (City)
Craig, Chas. E. (County Surveyor)
Cronley, John C. (County Surveyor), Court House
Gamble, Robt. H., 724 N. High
Taylor, Geo. (Surveyor), 742 W North
Valeur, H. (M. E. & E. E.)
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Kelley, J. C. (County Surveyor)
LOGAN—Bebout, James (County Surveyor)
Davis, James (County Surveyor)
LONDON—McCafferty, H. V. (County Surveyor)
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Fauver, L. A.
Nichols, J. B. (City)
*Suppes, Max M. (Vice Pres. & Gen'l Mgr., Coch-Lorain Steel Co.)
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McCONNELSVILLE—Smith, Frank B.
MANSFIELD—Keith, Lorin A. (City)
Laird, Jacob
Potts, James C. (County Surveyor)
MARIETTA—Cole, Arthur (City)
Gates, E. F.
Mason, W. P.
MARION—Ault, Edward S. (County Surveyor)
Dwyer, Geo. (City)
Sloan & Ault, Busby blk
MARTINS FERRY—Lash, Carl P. (City)
Rowland, Geo. (City)
MARYSVILLE—Graham, Alvi (County Surveyor)
Harvey, L. Z.
Kennedy, J. C. (City)
MASSILLON—Howald, Harold (City
MEDINA—Sheldon, A. D. (County Surveyor)
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MOUNT GILEAD—Buck, Thad. E. (County Surveyor)
Underwood, David (County Surveyor)
MOUNT VERNON—Ashcroft, O. L. (County Surveyor)
Cassil, Alex. (City)
Cureton, Thomas (City)
Pratt, W. H. (County)
NAPOLEON—Dielman, Frank E. (County Surveyor)
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Gilpatrick, J. L. (County Surveyor)
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Murray, Paul R. (County Surveyor)
NILES—Mackey, O. L., Benedict blk
Wilson, Wm. (City)
NORWALK—Laylin, John (County & City Surveyor)
NORWOOD—Jacob, Hy.
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OTTAWA—Cartwright, J. S. (City)
Maidlow, J. T. (County Surveyor)
Talbot, O. C. (County Surveyor)
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Ward, John C. (County Surveyor)
PAULDING—Geyer Bros.
Straw, C. L. (County Surveyor)
PIQUA—Whitlock, Harry E. (City Engr.)
PLEASANT RIDGE—Lilly, Jas. A.
POMEROY—Johnson, S. A. (County Surveyor)
Watkins, M. H.
PORT CLINTON—Suhrbier, F. H. (County Surveyor)
PORTSMOUTH—Bratt, B. C. (City)
Bryan, R. A. (City)
Harper, Samuel G. (County Surveyor)
*York, L. D.
RAVENNA—Cole, Jedidah
Slauter, S. E.
ST. CLAIRSVILLE—Boud, John A. (County Surveyor)
SALEM—French, Morris (City)
Strawn, J. B.
*Weeks, Chas. H., P. O. Box 175
SANDUSKY—Chase, Rollo D. (County Surveyor)
Judson, Albert W., Court House
Miller, J. W., City bldg
Newberry, S. B.
Schultz, Augustus Charles (City)
SHELBY—Weddell, J. E.
SIDNEY—Blake, W. R. (City)
Counts, Charles (County Surveyor)
Pammel, D. W.
SPRINGFIELD—Bayley, W. D. (M. E.), 221 S Fountain av
Bird, S. Van (County Surveyor), Court House
Hoppes, Jno. J. (City)
Olds, E. W., 33 S Fountain av
Seever, I. N., 254 E Main
Sharon, Wm., 278 N Limestone
Sleverling, Wm. H. (City)
STEUBENVILLE—Cox, James L. (County Surveyor)
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Champe, Geo., The Nasby
Clark, Wm. G., Spitzer bldg
Consaul, F. L. (City), The Valentine
Davis, Chas. S. (Consulting), Ohio bldg
Dixon Engineering & Construction Co. (M. E.), 323½ Huron
Donovan Wire & Iron Co. (Specialists in Designing of Buildings), Chicago & W. &
Eakright, O. E., 420 B'way L. E. Ry.
Eddy, Chas. M. (Consulting & M. E.), 819 Madison av
Froehlich, F. H. (Consulting M. E.), Ohio bldg
Gould & Wright (Contracting), The Valen-
Harris, Roswell, 1012 Superior tine
Hartman, Noble W. (M. E.), 843 Willow av
Hogle, Wm. M., The Nasby
Kaney, J. G., 225 19th
Marston & Gould, The Valentine
Oliphant, Jno. C. (Ass't Engineer), B. of P. S., 404 Batavia
Riggs & Sherman Co. (Consulting), The Nasby
Smith, A. H. (& M. E.), The Nasby
Stratton, J. L., Chambers of Commerce bldg
Tonson, Geo. W. (City Engineer), 2056 War-
Uhl, J. B., 2139 Lawrence av ren
Van Tuyl & Co. (Consulting) Valentine
Walter, D. C., The Nasby bldg
Wanbecq, Joseph J., 1080 Dorr
Wilhelm, H. W., 718 Jefferson av
TROY—Dowler, J. W. (County)
Walker, H. J. (City & County Surveyor)
URBANA—Pratt, Carey S. (County & City Sur-
VAN WERT—Beatty, L. R. (City) veyor)
Giffin, Isaac N. (County Surveyor)
Malick, I. H.
WAPAKONETA—Fisher, Chas. E.
Runkle, Frank (County Surveyor)
WARREN—Dickey, Edw. P.
Milligan, E. M. (City)
White, Homer C.
WASHINGTON C. H.—Kennedy, Frank M.
Perdue, T. K. (City) (County Surveyor)
WAUSEON—Hettinger, John F. (County Sur-
WAVERLY—Overman, Henry W. veyor)
Reno, Howell
WELLSTON—Williams, Eris (City)
WELLSVILLE—George, John A. (City)
WEST UNION—Smart, F. M. (County Surveyor)
WILMINGTON—Brown, J. A. (County Surveyor)
WOODSFIELD—Dougherty, T. A. (County Sur-
WOOSTER—Eberhart, Julius (City) veyor)
XENIA—Garfield, Lyman M. (M. E.) (Supt.) Miami Power Co.
McKay, G. A. (County & City Surveyor)
Riddle, Levi
Riddle, Warren
YOUNGSTOWN — Haseltine & Montgomery (Mining, etc.), 1818 Wilson av
Lillie, Francis M. (City)
Mackey, C. L., 122 Wick av
Mackey, James, n s McGuffey
Montgomery, Geo. M. (County Surveyor)
Smith, E. S., 49 Central sq
Tod, Geo., Jr., 49 Central sq
Wilson, Wm., 132 Wick av
Wise, D. M., 223 W Wood
ZANESVILLE—Collins, R. G., Jr., 76 N 4th
Dunn, Wm. (County), Court House
Martin, C. V., Opera blk
Scarvell, L., Opera bldg
Smith, E. H. (City)
Walker, Jas. M., B. & O. R. R.
West, Leander (County Surveyor)

OKLAHOMA.

GUTHRIE—White, T. A. (City)
Benham & Adams (C. E.)
OKLAHOMA—Benham & Adams (Consulting, Special Reinforced Concrete Structure, Bradley, Clifton etc.)
Cortney, J. A., 412 Grand av
Dabney, A. L.

OREGON.

ASHLAND—Corbett, J. L.
Evans, C. W. (Mining)
ASTORIA—Ashbury, R. C. F.
Tee, A. S.
Raymond, N. D., 3d c Genevieve
BAKER CITY—Arthur & McEwen (Consulting)
Easelstyn, J. N. (Consulting & Mining)
Nelson, C. DeWitt
Pearson, H. G.
Thompson, Charles H.
Watters, D. M. (Mining & Metallurgist)
Withey, Harry J.
CORVALLIS—Waggoner, G. A.
DALLAS—Ground, Luther
EUGENE—Collier, Charles M.
GRANTS PASS—Mangum, C. L.
Perkins, H. C.
Wright, W. P. & Son
HEPPNER—McGee, Jas. J. (Surveyor)
HILLSBORO—Wilkes Bros.
HOOD RIVER—Henderson, Jno. Leland (Sur-
LA GRANDE—Curtis, Arthur veyor)
McMINNVILLE—Branson, C. B.
Maloney, H. S. (City)
MARSHFIELD—Cathcart, S. B.
MEDFORD—Howard, J. S.
Jones, G. T.
NEWBERG—Britt, N. E.
OREGON CITY—Johnson, H. H. (Surveyor)
Meldrum, Jno. W. (Surveyor)
Rands, Ernest (City)
PENDLETON—Kimball, J. W.
PORTLAND—Anthony, A. W. (Mining), 743
Bailey, H. W., 142½ 2d Northrup
Ballin, F. A. (Consulting & Contracting M. E.), 43 2d
Barr, W. B., 511 Mississippi av
Barstow, W. S. & Co. (Consulting), Failing bldg
Bell & Wildman (M. E.), 48 2d, N
Bonser, R. C., 724 Gantenbein av
Chandler, H. L., 267 E. 35th
Contracting Engineering Co., Fenton bldg
Cunningham, J. H., 415 Yamhill
Eggleston, J. M. (M. E.), 70 E 9th
Elliott & Scoggin, McKay bldg
Fallows, Benj. (Mining), Chamber of Com.
Glover, T. J. (M. E.), McKay bldg
Goodrich & Goodrich (Consulting), Fenton
Greenleaf, R. S., McKay bldg bldg
Greeniey, Louis A. (Mining), 715 Thompson
Grogan, J. M., 323 4th
Grondahl, W. A. (& M. E.), Worcester blk
Hampton, W. H. (Mining), 475 W Park
Hurlburt, J. A., 1143 E Yamhill
Jamieson, J. Q., 475 Hassalo
Kelley, J. G., 29 E 17th, N
Lewis, L. R., Commercial bldg
Lindsey, Jas. (Mining), Cham. of Com.
Lockwood, J. B. C., 414 Holladay
Loring, David, 812 Marshall
McQuinn, J. A., 250½ 3d
Machen, Chas. E. (M. E.), 306 Wheeler
Muir, T. K. (Mining), Abington bldg
Neville, H. L. (Mining), 349 Ross
Ohlhoff, August, 325 Sheridan
Philbrick, S. M. (M. E.), 420 E 22d, N
Robinson, C. M., 1184 Holgate
Rowland, Theodore, Columbia bldg
Ryan, J. H. (Mining), 396 Eugene
Sears, A. F., 193 Union av, N
Thomas, C. M., 1179 Garfield av
Van Winkle, F. J., Marquam bldg
ROSEBURG—Briggs, W. F.
Kimball, G. W.
SALEM—Gesner, A.
Gobalet, Alfred
SILVERTON—Davenport, Timothy W.
SUMPTER—Elmer, W. W. (Consulting, Min-
Fenner, C. H. ing)
Juessen, Edmund (Mining)
THE DALLES—Crandall, C. J.
Golt, J. B.
Sharp, R. F.

PENNSYLVANIA.

ALLEGHENY—*Albree, C. B., 1201 Market
Ehlers, Chas. M., 1836 Lowrie
McDrew, John & Edw., Empire bldg
McKinney, W. S. (M. E.) (Pres. McKinney Mfg. Co.), Market & Locust
ALLENTOWN—*Douglass, Wm. M. (Supt. American Steel & Wire Co.)
Fuller Engineering Co. (Analytical Chemists, Cement Plants a Specialty)
Grossart, Chas. W., Ruhe bldg
Grossart, Lewis J. H., Com bldg
Jacoby & Weishampel, Commonwealth bldg
Lehigh Engineering Co. (Bridges, Sewers, Pavements, Water Works, etc.)
Lehr & Bascom, A. N. B. bldg
Martz, J. Howard, B. & B. bldg
Rathburn, R. S., 440 Chew
ALTOONA—*Atterbury, Wm. W. (Supt. M. P., Penn. R. R. Div.)
Carson, S. C., 11th & Greene av
*Dudley, Chas. B. (Chemist, Penn. R. R. Co.)
*Elmer, Wm. Jr., 1222 12th av
Fraser, W. M., Mateer bldg
Gwin & Forsythe, 1100 20th av
Linton, Harvey (City), 612 12th
Sillyman, J. S., Schenck blk
APOLLO—McMullen, P. S.
Moffatt, Ray
ASHLAND—Garner, Joseph R.
ASHLEY—Coulter, William S.
Post, Edw. H.
ASPINWALL—Herr, S. F.
ATHENS—Union Bridge Co.
AVALON—McBride, John
BEAVER—Harper, Jas. (Surveyor)
BEAVER FALLS—Barker, Harry T. (& Sur-
Donaldson, Carl L. (City) veyor)
BEDFORD—Hackerman, Edw.
BELLEFONTE—Thomas, F. H.
Wetzel, J. H.
BELLEVUE—Ridgburn & Cooper (City)
BERLIN—Tiffany, J. E. B. (C. E. & Mining)
BETHLEHEM—Grossart, L. J. H.
Klein, Jos. F. (M. E.) (Prof., Lehigh Univ.)
*McKee, Jos. J.
Neumeyer, Robert E. (City)
Whitney, Emery S.
BIRDSBORO—Rea, Samuel (Borough)
BITUMEN—Miller, Geo. L. (Mining)
BLAIRSVILLE—Cornell, S. M., Jr.
Kilgore, J. V.
BLOOMSBURG—Ryer, Warren
Neyhard, Samuel
BRADDOCK—Clair, Richard
Howat, William
BRADFORD—McComb, Anthony G.
Seymour, John A.
Webster, Frank M.
Winfree, Peyton B. (City)
BRIDGEPORT—*Wilkinson, Alfred
BRISTOL—Morris, L. V.
Morris, Richard
BROOKVILLE—Caldwell, James
*Jenks, Wm. H.
BRYN MAWR—Dunne, Jno. S. G.
Garrigues, Samuel M.
BURNHAM—*Stevenson, Archie A.
BUTLER—Heydrick, J. A. Sons
McQuiston Bros. (Mining)
Pillow, G. C.
CARBONDALE—Frick, Walter (City)
CARLISLE—Hepburn, Harry
Stayman, G. S.
CARNEGIE—Trimble & Miller
CARRICK—Wolf, O. F.
CATAWISSA—Knittle, J. R.
CHAMBERSBURG—Ives, Chauncey
CHESTER—Chester Engineering & Machine Co. (M. E.)
Howell, E. A. (Consulting)
Johnson, W. Shaler
Ladomus, Charles (City)
Palmer, Charles
Roberts, E. H.
CLAIRTON—Thorp, Geo. G. (M. E.) (Gen'l Supt., Clairton Steel Works)
CLEARFIELD—Hinterleitner, H. J.
Kurtz, William
CLEARVILLE—Robinson, J. W.
COATESVILLE—Book, H. J. (Borough)
Lufkin, George W. (Surveyor)
COLUMBIA—Goerke, E. W.
Goerke, James F.
CONNELLSVILLE—Allen, W. K.
Foust, Samuel M.
James, S. M.
CORRY—Dixon, N. R.
Ellsworth, Byron
COUDERSPORT—Groves, J. R.
CURWENSVILLE—Moore, T. W.
DANVILLE—Ostrander, O. H.
West, G. W.
DARBY—Harris & Schalcher
DOWNINGTOWN—Fisher, George H.
Johnson, J. H.
DOYLESTOWN—Meyers, Charles F.
Wintyen, William
DUBOIS—Campbell, George R.
McMinn, H. S.
Moore, William
EASTON—Brady, Chas. M., 79 N 2d
Brady, Peter, Drake bldg
Chidsey, C. F.
Cooper, A. J., 200 Burke
Dawes, Geo., 45 McCartney
Dever, Frank, 723 Jackson
Esch, F. W., 33 S 3d
Fehr, Harry, Drake bldg
Folwell, A. Preston (Consulting), Glover bldg
Francisco, Lewis A. (City)
Gould, F. C., 155 Bushkill
McNeal, Jno., Wayne st.
Osterstock, J. F., 216 Ferry
Porter, J. Madison, 53 N 3d
Sawin, W. H., 165 Spring Garden
Shimer, Arthur, 208 Church
Young, Marshall, Pomfret bldg
ELIZABETH—Vankerk, J. S.
ELIZABETHTOWN—Will, I. N. S.
EMAUS—Weaver, Phaon Co.
Wenner, W. C.
EMPORIUM—Shafer, A. H.
ERIE—Briggs, R. F. (City)
*Germann, J. G., 1603 State
*Heisler, Chas. L. (Consulting), 909 W 8th
Moody, G. L., 259 W 18th
Morton, Edgar J., 320 E 7th
Slater, Edw. C., City Hall
FRANKLIN—Kennerdell, Thos. L., Park c Elk
Reed, F. C., 22 16th
FREDERICKSBURG—Richer, Saml.
FREEPORT—Findlay, G. B.

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GERMANTOWN—Tuttle, Edgar F. (Mining)
GETTYSBURG—Pickling, Harry
GREENSBURG—Jamison & Fogg
Janeway, J. J.
Long, C. T.
Neel, J. J.
Turney, W. R.
GREENVILLE—Brodhead, C. E.
GWYNEDD—*Kent, Ellis C.
HAMBURG—Dreibelbis, S. K.
HARRISBURG—Bastress, J. N. & Co.
Cowden, M. B., 222 Market
Demming, Henry C. (Mining)
Hershey, C. M., 9 S 2d
Roberts, G., 15 S River av
HAVERFORD—Collier, Austin McD. (M. E.)
HAZLETON—Altmiller, J. M.
Ayers, W. S. (Mining)
Brooks, Cellax W.
Jones, E. J.
Kiley, George A. (M. E.)
Luzerne Engineering Co. (Civil & Mining)
McNair, J. S.
HOLLIDAYSBURG—Irvine, O. M.
HOMESTEAD—Gettys, R. H.
HOUTZDALE—Good, G. M. H.
HUMMELSTOWN—Reamsburg, J. T.
HUNTINGDON—Africa, J. Murray
INDIANA—Caldwell, J. R.
Moorehead, D. L.
JENKINTOWN—Hunter, J. W.
JOHNSTOWN—Fetterman, S. G., Woolf blk
Fulton, John (Mining)
*Morgan, Jos. (Chief Engineer, Cambria Steel Co.)
Fulton, John, 136 Park pl
KINGSTON—Rosser, David M.
KINZUA—Strong, Le Roy
KITTANNING—Maxwell, W. H.
Neubert, John
LANCASTER—Best, Jas. B. (M. E.), 333 E Fulton
Carpenter, Israel (City), City Hall
Herr, Allen A. (& M. E.)
Stamm, Fred'k (M. E.), 331 E Fulton
LANSDOWNE—Janvier, Thomas C.
LEBANON—Crowell, Thomas R. (City)
Hain, Daniel W.
Hayes, G. W.
LEWISBURG—Reahl, E. B.
LITITZ—Erb, I. G.
Miller, Johnson
LOCK HAVEN—Ball, Charles E.
Ball, Edw. E. (Surveyor)
Welch, E. H.
LUZERNE—Alger, W. B.
Wright, Thomas
McKEESPORT—Hallam & Co.
*Saunders, Augustus M. (Supt., National Tube Works)
Taylor, Romine & Scott
MAHANOY CITY—Bowman, Mark D.
Dillman, Daniel
MANHEIM—White, F. R.
MAUCH CHUNK—Nackl, Frans (County)
Yarrington, William
MEADVILLE—Doane, W. A. (City)
MEDIA—Rechdolt, C. J.
Broomall, Carroll
*Wood, Wm. H. (Contractor)
MIDDLETOWN—Hoffer, C. H.
MILLERSBURG—Cooper, S. W.
MONONGAHELA CITY—Jenkins, George D.
MONTROSE—Chapman, J. W.
MOUNT CARMEL—Beveridge, D. E.
Kemble, Isaac (Borough)
MOUNT JOY—Brubaker, M. N.
MUNCY—Lloyd, Thomas
NEW BETHLEHEM—Shaffer, S. Taylor
NEW BRIGHTON—Cuthbertson, H. C., 1027 3d av
NEW CASTLE—Gano, S. G.
McConahy, Robert H. (City)
Wood, F. R.
Zahniser, G. B.
NEW KENSINGTON—Hall, J. D., 333 5th av
NEWTOWN—Hutchinson, J. P.
Merrick, J. S.
NORRISTOWN—Calhoun, A. K.
Corson, A. W.
Corson, S. Cameron (Borough)
Cresson, Jas.
Patterson, Malcolm D.
Rittenhouse, F. (M. E.), opp. P. R. R. Sta.
NORTH WALES—Freed, I. G.
OAKMONT—Douglass & McKnight (City)
OIL CITY—Greenfield, Carl J.
Hyde, A. T.
Robinson, H. B.
Roess, George F. (City)
PATTON—Avery, Geo. H. (Borough)
PERKASIE—Moyer, H. G.
PHILADELPHIA—Affleck, Wm. B. (Consulting), 719 Noble
Albright & Mebus, Land Title bldg
American Engineering & Construction Co. (Contracting), Drexel bldg
Armitage, B. & P. (Consulting), Land Title bldg
Armitage, Geo. T. (M. E.), Girard bldg
Armstrong Latta Co., Land Title bldg
Atkinson, J. C. (Surveyor), Health Office
Bache, Franklin (Consulting Engineer & Mining Expert), Land Title bldg
Baist, G. Wm., 906 Walnut
Baker, David (Consulting M. E., Blast Furnaces, Coal Washing, Coke, Metallurgical Fuel, etc.), Real Estate Trust bldg
Barnes, Amos W., 134 S 9th
Barr, James H. C. (Mining), Land Title bldg
Barrett & Lawrence (Contracting), Bullitt bldg
Barringer, D. M. (Mining), Bullitt bldg
Bates, F. (Mining), Land Title bldg
Beadle & Maxwell, Hale bldg
Beaumont, R. H. Co. (Contracting), Drexel bldg
Biddle, W. F., 209 S 8th bldg
Bilgram, Hugo. (M. E.), 1235 Spring Garden
*Birkinbine, John B. (Consulting), Odd Fellows Temple
Birkinbine, Jno. L., Odd Fellows Temple
Bitler, Frank L., Odd Fellows Temple
Blanton, E. A., Jr. (Consulting), Phila delphia Bourse
*Blatchley, Chas. A. (M. E.), Drexel bldg
Block, Fritz (Surveyor), 724 Spring Garden
Boardman, Wm. H., 420 Walnut
Boas, F. J., 14 S Broad
Bonsack, Jas. A., Hale bldg
Bonzano, Adolphus (Consulting), 331 S 18th
Booth, Garrett & Blair (Cement Plants a Specialty), 404 Locust
Borden, Joseph E. (Surveyor), Phila Bourse
Bourean, H. U. & Co. (Contracting), 3302 Ludlow
Boyt, Jno. T. (Consulting), Phila. Bourse
Brann & Stuart Co. (Contracting), Arcade bldg
Breed, Geo. (Consulting & M. E.), Witherspoon bldg
Breuil, F. W. (Mining), Drexel bldg
Briner, Emil A. (Contracting), Phila. Bourse
Brinton, Walter (Surveyor), 521 Venango
Brubaker, G. S. W. (Consulting), Witherspoon bldg
Budd, James H., Witherspoon bldg
Burnap, A. M. (Consulting), Drexel bldg
Butler, Matthew W. (M. E.), Stephen Girard bldg
Call, Jarvis (Surveyor), 204 Walnut
Campion, McClellan Co. (Contracting), Bailey bldg
Cantrell & Co. (& Constructing), 112 S 4th
Carlile, Wm. K. (Surveyor), 1500 Montgomery av
Caspar, Chas. H. (Consulting & Contracting), West End Trust bldg
Chance, Henry M. (Mining), Drexel bldg
Chapman Engineering Co. (Contracting), Land Title bldg
Cheyney, W. Irwin, 1035 Race
Christie, James, 100 Rochelle av, Wiss.
Clarke, Herbert A. (Consulting), Perry bldg
Collins, Chas E., Drexel bldg
Collins, Chas. W., Witherspoon bldg
Combustion Engineering Co. (Contracting), Perry bldg
Commercial Engineering Co., Witherspoon bldg
Concrete Construction Co. (Contracting), Bailey bldg
Cook, Chas. R. (M. E.), 150 N 6th
Cornell, Elijah B. (M. E.), 922 N 19th
Courtenay Construction Co. (Contracting), 1305 Arch, Phila., Pa
*Cramp, Edwin S. (Superintending Engineer, Wm. Cramp & Sons)
Cranmer, Wm. C. (Surv.), Heed bldg
Crawford, Jos. U. (Consulting), Harrison bldg
Croskey, Knowles (Mining), Drexel bldg
Cruse, Arthur R. (M. E.), (Pres.), Land Title bldg
Dallett, W. P. (M. E.), 49 N 7th
Darlington, F. Wayne (Consulting, Mining & M. E.), Real Estate bldg
*Dawes, Robert E., 514 Penn, Frankford
De Kinder, J. J. (M. E.), Girard bldg
Dickerman & Yeakley (M. E.), 26th & Dauphin
Dietz Machine Works (M. E.), 128 Fontain
Dillon, K. H. (M. E.), Witherspoon bldg
Dodge & Day (Modernizing), Drexel bldg
D'Olier Engineering Co. (M. E.), 119 S 11th
Dravo, Doyle & Co. (M. E.), Arcade bldg
*Drysdale, W. A. (Consulting), 415 Hale bldg
Duke, Hy. T. (M. E.), Girard Trust bldg
Dunn, Houston (Consulting), Drexel bldg
Dyer, W. E. (Consulting M. E.), Commonwealth Trust bldg
Easby, M. Ward (Consulting), 909 Crozer bldg
Edgerton, Chas. (Consulting M. E.), Fidelity bldg
Edwards, L. T. Co. (M. E.), Perry bldg
Elba Iron Mfg. Co. (Contracting), Perry bldg
Elfreth, Harold D. (M. E.), 2022 N 22d
Ellis, David M. (Mining), Provident bldg
Ellis, Jos. D., Provident bldg
Engineer Co. (Consulting), Fidelity Mutual Life bldg
Eynon-Evans Mfg. Co. (M. E.), 15th c Clearfield
Fahrig, Ernest & Sons (Mining), Betz bldg
Fairchild & Gilchrist (& Mining), Franklin bldg
Faster Engineering Co. (Contracting), Harrison bldg
Field, Barker & Underwood (Inc.) (Contracting), Arcade bldg
Fine & Harris, Contracting), Land Title bldg
Finlay & Beleid (Consulting), 130 N 12th
Finn, O. B. (Mining), Drexel bldg
Fisher, Jno. F. (Surveyor), 127 Walnut
Ford, W. H. (Consulting), Arcade bldg
Forte, H. L. (Consulting), Drexel bldg
Frackmann, H. W. (M. E.), 1929 N 5th
Francis Bros. & Jellett (Inc.) (Consulting), 245 N Broad
Francis, Isaac H., Jr. (Consulting), Commonwealth Trust bldg
Franklin & Clarke, Crozer bldg
Frazer, Robt., 209 S 37th
Fuller, Herbert M. (Surv.), 1523 Indiana
Furber, Wm. Copeland (Consulting), 418 Walnut
Gallagher, W. L. & Co. (Contracting), 1332a Walnut
Garrett, Harry H., 114 N 16th
Garrison, F. Lynwood (M. E.), Drexel bldg
Gatzmer, Wm. C., River Front, bel Princeton av, Tacony
Gay, Henry N (Surveyor), 204 Walnut
Geshwind, Herbert W. (Contracting), Lippincott bldg
Gherky, Wm. D. (Contracting), Heed bldg
Gillette, Cassius E. (Consulting), Land Title bldg
Gilman, Walter (Mining), 506 Walnut
Gilpin, Richard (Consulting), 421 Chestnut
Glaser Mfg. Co. (M. E.), 2733 N 6th
Granger, A. D. Co. (M. E.), Commonwealth Trust bldg
Grantham, H. T. (M. E.), Real Estate Trust bldg
Gray, Wm. S., Witherspoon bldg
Gray's Ferry Machine Co. (Ltd.) (M. E.), 3105 Gray's Ferry rd
Green, Robert P. (Consulting), Stephen Girard bldg
Greene, Jno. Mac D. (Contracting), Drexel bldg
GRISCOM-SPENCER CO. (M. E., Consulting & Contracting), ft. Washington av. (See adv. index, end of book)
Gwilliam, Geo. T., 19th & Hamilton
Haig, Robert (Surveyor), Phila. Bourse
Haines, Caspar W., Arcade bldg
Hallowell, Clifton C. (M. E.), 714 Walnut
Halstead, David (Consulting), 3227 Frankford av
Harrison & Schreiber, Harrison bldg
*Hartman, John M., 227 Gowen av
Hedden, E. J., 14 S Broad
Herboth, Mitchell Co. (M. E.), Girard Trust bldg
Herr, Homer A. (Consulting M. E.), Commonwealth Trust bldg
Herring, Luther W. (Mining), 518 Walnut
Hess & Barker (M. E.), 905 Sansom
Hexamer, F. & Son, 419 Walnut
Hibbert, Walter W. (M. E.), Hale bldg
Hickman, Chas. D. (Consulting), 328 Chestnut
Hill, Malcolm W. Co. (Contracting), 1503 Sansom
Hoffmann Engineering & Constructing Co. (Contracting), Penna. bldg
Hollar Co. (Contracting), 421 Chestnut
Hollingsworth, L. (M. E.), Girard bldg
Holt & Schober (Consulting & Contracting, Specialty Cold Storage, Mill & Power Plants), Provident bldg
Honston, Edwin J. (Consulting), Crozer bldg
*Howell, Edw. I. H. (Consulting), 260 Bullitt bldg
Hughes, Hy. B., Land Title bldg
Humphrey, Richard L. (Consulting), 1001 Harrison bldg
Hunt, Robert W. & Co., 3754 Main
Hunter, Jos. W. (Surveyor), Mutual Life bldg
Janney & Darlington (Contracting), Real Estate Trust bldg
Johnson, Jos. (Surveyor), 4039 Lancaster av
Johnson, O. D. (Consulting), Land Title bldg
Jones, Jere C. (Contracting), Heed bldg

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Kennedy, James A.
Kerrick, E. J., 328 W Horttner, Gtn.
Kitchel, Robert R. (M. E.), Land Title bldg
Klemm, J. Geo., Jr. (Consulting), Arcade
Kley, Percy A. (Consulting), 1535 Chestnut
Kolischer, Theo. Engineering Bureau (M. E.), Bailey bldg
Kurrie, Geo. R. (Consulting), 637 Watts
*Ladd, Jas. B. (Consulting), Real Estate Trust bldg
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*Herreshoff, Jno. B. (Pres., Herreshoff Mfg
Perry, Wm. H. Co.)
CENTRAL FALLS—Keene, Wm. F. (City)
EAST PROVIDENCE—Dexter, Walter M.
NARRAGANSETT PIER—Hazard, T. G., Jr
Kent, Willard (& Surveyor) (& Surveyor)
NEWPORT—*Bryant, George H. (Principal, Townsend Industrial School)
Buffum, Wm. P., 801 Thames
Cotton, Joseph P., 201 Thames
Lawton, William H., Jr., 24 Bellevue av.
PAWTUCKET—Drowne, F. E., 82 Elm
Judson, Jno. E., 155 Main
Learned Chas. H.
Metcalf, Arthur H. (M. E.)
Seabury, Dwight (M. E.)
Smart, H. R.
PROVIDENCE—*Almy, Darwin, 178 Allen av
Arnold & Barlow (Consulting M. E. & Patents), 425 Butler Ex
*Babbitt, George R., 182 S. Water
Ballou, H. W., Banigan bldg
*Beaman, E. A., Gordon av c Reynolds
Boardman, Chas. W. (Consulting M. E.), 86 Weybosset
Burlingame, Edwin A., 359 Brook
Burt, A. H. (M. E.), 16 Calender
Chase, Charles F., 75 Westminster
Clapp Otis F. (City), City Hall
Cruikshank, D. B. (Consulting), 33 Eddy
Evans, Thos. (Consulting), 75 Westminster
Gray, Saml. M. (Consulting, Municipal & Sanitary), Banigan bldg
Hannigan, Chas. T. (M. E., Drawings & Patents), Banigan bldg
Hurley, D. & Co. (Consulting), 17 Custom House
Jenks, Richard P. (Consulting M. E.), Banigan bldg
*Johnson, Henry J. (Consulting), 28 Maple
Latham, Fred. J., 146 Westminster
Latham, Jos. A. (& Surveyor), 87 Weybosset
Lewis, W. B. (Consulting), Banigan bldg
Makepeace, C. R. & Co. (M. E.), 429 Butler Ex.
Manton, Joseph P. (M. E.), 105 Wash'n
Paine, Wm. H. (Consulting M. E.), Industrial Trust bldg
Pieczentkowski, A. G. (M. E.), 17 Custom House
Remington, Geo. H. & Co. (M. E. & Patent Solicitor), 86 Weybosset
Sarle, O. Perry (Consulting, Water Supply, Drainage, etc.), 146 Westminster
Schofield, Mark W., 29 Exchange
Shedd, Edw. W., 146 Westminster
Shedd, J. Herbert (Consulting), 146 Westminster
*Sheldon, F. P. & Co. (Mechanical, Mill, Hydraulic & Electrical Engineers), 49 Westminster
Snow, Sylvester M. (Consulting M. E.), 287
Temple, Wm. H. G., 75 Westminster Gano
Tingley, Richard H. Co. (Consulting), 75 Westminster
Turner, S. Charles (M. E.), 114 W Exchange
Waterman, Frank E. (& Surveyor), 86 Weybosset
Weston, Edmund B. (Consulting, Water Supply, Filtration, etc.), 86 Weybosset
Whipple, Eugene B. (Consulting M. E.), 75
WARREN—Corbett & Borden Westminster
WARWICK—Barton, H. B.
WESTERLY—Whaley Earl C.
WOONSOCKET—Ellis, J. W. & Son, 160 Main
Kent, Willard (& Surveyor), Longley bldg
Metcalf, John (M. E.)
Mills, Frank H. (City)
Parker, Chas. F.
Spaulding, George W. (M. E.)

SOUTH CAROLINA.

ABBEVILLE—Minshall, Frederic (Consulting & Contracting for Water Supply, Water Power, Sewerage, Electric Lighting, Concrete Work, etc.)
ANDERSON—Sayre, C. G
Stribling, J. V.
BLACKVILLE—Mixson & Co.
CHARLESTON—Dingle, J. H. (City Surveyor), Simons-Mayrant Co., 16 Broad City Hall
Sloan, Eric (M. E.)
Todd, A. W., 39 Broad
COLUMBIA—Gibbs, W. H. & Co. (M. E.), 804 Gervais
La Motte, A. Gamewell, 1521 Main
McMasters, T. (M. E.), 1429 Laurel
Miller, D. B. (City)
Niernsee, Frank, 1429 Main
Shand Engineering Co. (Consulting M. E.)
Stoney, S. Reed
*Whaley & Co. (& M. E.), 1328 Main
GREENVILLE—Sirrine, J. E. (Consulting C. E. & M. E.)
ORANGEBURG—Johannen, Henry H.
ROCKHILL—Roddey & Whitner
SPARTANBURG—Bryant, Fred. L. (Consulting & M. E.)
Howe, W. B. W.
Ladshaw & Ladshaw (Consulting, Civil, etc.)
Peirce, F. A.

SOUTH DAKOTA.

ABERDEEN—Washburn, D. C.
DEADWOOD—Ames, G. P.
Black Hills Eng. Co.
Hartgering, Jas.
Hickox, J. R.
Peck, Frank
Phillips, Alvin & Co.
Vincent, H. S.
ELK POINT—Vinson, W. M.
FLANDREAU—Harsa, Le Roy
HOT SPRINGS—Utter, A. H.
HURON—Fessenden, G. A.
LEAD—Crick, J. P.
Gidley, A. B.
Mitchell, E. W.
Schnitzel & Moody
Walsh, W. M.
MADISON—Gregor, John
MILBANK—Crowl, W. S.
MITCHELL—Greene, Israel
RAPID CITY—Willsie, Myron
SIOUX FALLS—Howe, S. B.
STURGIS—Ladd, G. W.
TYNDALL—Young, J. C.
VERMILLION—Gunderson, Carl
WATERTOWN—Carpenter, G. W.
WEBSTER—Alley, Josephus
YANKTON—Bates, C. H.
Palmer, E. D. (Consulting, Bridges, Foundations, etc.)
Van Antwerp, E. H.

TENNESSEE.

BRISTOL—Aldrich, Arthur C.
Fay, Albert H. (Mining), Y. M. C. A bldg
Lockhart, J. W.
Mitchell, W. L.
CHATTANOOGA—Cushman & Farleigh, Love
Dietz, O. A., 817 Georgia av man bldg
Guild & Co. (Consulting & M. E.), Key
Gustafson Mfg. Co. (M. E.) stone bldg
Hooke, Robt. (City)
Klonne, J. C., 619 Walnut
Moe, S. B., Times bldg
Thompson, Benjamin, Sou. Ry. office
CLARKSVILLE—Marble, J. H. (City)
GREENVILLE—Rhea, J. P.
JACKSON—Campbell, F. W.
Farrar, H. P.
Lancaster, S. C. (City), 225 Baltimore
Mercer, J. W.
Merriwether, David
JOHNSON CITY—Molesworth, A. N.
KNOXVILLE—Crozer, W. C., 1129 N 4th
Metcalf, G. W., 610 S Gay
Park, W. A. (City), City Hall
Phillips, F. G., 1002 N B'way
Roof, Wendell (M. E.)
Waring, Charles, 308 W Clinch av
Wilson, Elwood J. (Mining), 712 N 4th
McMINNVILLE—Hill, I. C.
Rowan, Stokey D. (City)
MEMPHIS—Ayers, W. E., Randolph bldg
Baker, Jos. M.
Brock, D. M., U. S. Eng. Office
Chichizola, A. A., Scimitar bldg
Cook, Jas. B., Randolph bldg
Erion, R. N. (M. E.), 253 McLean av
Ferguson, J. T., 14 S Main
Ferree, H. G., 127 Madison av
Gardner, Howe (& Consulting & Contracting), 51 Dr. D. T. Porter bldg
Humphreys, J. H., 127 Madison
Le Vasseur & De Benghem (Mining), Randolph bldg
Moore, A. H., Randolph bldg dolph bldg
Omberg, J. A., Jr., Goodwyn Inst. bldg
Pharr, H. N., Randolph bldg
Prontt, F. G. (Consulting), Randolph bldg
Reinhold, J. W. (Consulting), Randolph bldg
Smith, Vernon H., 106 McKellar av
Taylor, Wm. N., Memphis Machine Works
Walker, S. G., Court House
Watkins, Wm. S., 34 N Dunlap
Weatherford, J. H. (City)
MURFREESBORO—Maney, Newton C.
NASHVILLE—Blackie, G. F., 1000 B'way
*Brown, Chas. S. (Prof. of Mechanical Engineering, Vanderbilt Univ.), Vanderbilt Campus
Engineering Ass'n of the South, 2 Berry blk
Foster & Creighton, 3 Berry blk bik
Howard-Mots & Co. (M. E.), The Arcade
Leftwich, W. M. Co. (Contracting), Cole bldg
McDonald, Hunter, N. C. & St. L. Ry.
Smith, F. R. R., 411½ Union
Southgate, W. W. & Son, 407½ Union
Wilson, Chas. B. (Engr. Cumberland River bridges)
NEW MARKET—Bartlett, John H. (Zinc)
OLIVER SPRINGS—Butler, M. D. F.
RIPLEY—Gudger, M. W.
ROCKWOOD—Sylvester, Geo. E. (Mining & C. E.)
SOUTH PITTSBURG—Clute, F. P.

TEXAS.

ATHENS—Meredith, J. T.
AUSTIN—Andrewartha, John
Corwin, Dennis, Temporary Capitol bldg
Gildart, Frank, 701 Congress av
McFall, J. K., 95 East av
Matthews, S. P., City Hall
Pinckney, T. F., Temporary Capitol bldg
Wallace, John E., Court House
Wyard, J. R., 714 Congress av
BAIRD—Haley, M. R.
BALLINGER—Blanchard, C. C. F.
Dickinson, H. E.
BASTROP—Moncure, Cassius L.
BEEVILLE—Fenner, R. W.
BELLVILLE—Cumings, George S.
BELTON—Bigham, R. P.
BIG SPRINGS—Boydston, Benjamin
Cowan, S. H.
BRENHAM—Von Biberstein, H. R.
BROWNSVILLE—Cocke, J. I.
BROWNWOOD—McIntosh, W. A.
BRYAN—Mitchell, J. P.
BURNET—Chamberlain, T. A.
Moses, E. J.
CALDWELL—Dalrymple, J. G.
COLEMAN—McElrath, J. A.
COLLEGE STATION—*Whitlock, R. H. (Prof. Mechanical Engineering, Texas State Agr'l Col.)
COLORADO—Earnest, C. H.
Holt, C. W.
Looney, R. H.
Shepherd, J. L.
COLUMBUS—Jackson, D. W.
COMANCHE—Armstrong, R. G.
Holman, J. A.
COOPER—Stratton, T. L.
CORPUS CHRISTI—Blucher, C. F. H.
CROCKETT—Broxson, Enoch L.
CUERO—Schleicher, Gustav
DALLAS—Briggs Machinery & Supply Co. (M. E.), 191 Elm
Brown, C. F., 204 Main
Hopkins, Louis H., 237 Main
Jones, Fred A., Scollard bldg
Lane, C. R. (M. E.), 850 Elm
Thatcher, J. S., 301 Main
Young & Heintz (M. E.), 181 Elm
DEL RIO—Pierce, J. K.
DENISON—McWillie, Richard L. (City)
DENTON—Pierce, W. H.
EL PASO—Brodie, Walter M. (Mining)
Canby, R. C. (Consulting)
Cook, Wm. H. (Consulting, Mining)
De Vore, E. H. (Mining)
Fishback, Martin (Consulting Mining)
Parker, A. H.
Parker & Parker (Mining & Consulting)
Rice, John A. (Mining), Mills bldg
Tomlinson & Norton (Consulting & Mining) Trust bldg
Wimberly, George C. (City)
FORNEY—Lewis, P. M.
FORT DAVIS—Patterson, H. M.
FORT WORTH—Baker, Brookes (Depy. County Surveyor)
Darter, Jno. H., 711 Main
Dickson, H. M. (Asst. City Engineer), City Hall
Goodfellow, Jno. J. (County Surveyor), Court House
Hall, J. M. (City), 1800 1-2 N Main, N. Ft. Worth
Hawley, J. B. (City), City Hall
Zane-Cetti, 1008 Calhoun
FREDERICKSBURG—Schnebardt, J.
GAINESVILLE—Brogelton, S. J.
Helen Harvey
GALVESTON—Anderson, Thos. J. (Consulting), 2118 Strand
Felt, C. F. W. (Santa Fe R. R.), Santa Fe
Hartrick, R. M., Trust bldg bldg
Hoxie, A. (Co. Surveyor), Court House

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Luttrel, R. W., 709 Tremont
Riche, C. S., Trust bldg
Sias, C. A. (& City Engineer), 2205 Strand
Temple, B. M. (City), Court House
Wilson, Henry T., 1419 B'way
Young & Cohen (M. E.), 2409 P. O.

GATESVILLE—Graves, C. L.
GEORGETOWN—Battalle, I. F.
GOLDTHWAITE—Pesley, George
GREENVILLE—Morgan, J. H.
HALLETSVILLE—Ballard, James
HEMPSTEAD—Elliott, B. F.
HENDERSON—Stone, W. D.
Wooley, J. M.
HENRIETTA—Watkins, R. W.
HOUSTON—Anderson, W. E., 914½ Franklin
Berry, James H., Converse bldg
Bradburn, Wm. (County), Court House
Davis, James O., 1016½ Congress av
Delery, W. S. & Co., Cotton Exchange
Dormant, Frank L. (City), City Hall
Gillespie, J. J., Court House
Jones, Fred. A. (Consulting M. E.), Bins bldg
Lohaus, R. A., 1301 Congress av
Matthews, Saml. P., 305 1-2 Main
McGregor, Flint, Mason bldg
Maxcy, John W. (C. E.)
Miller, I. Austin, 1015 1-2 Preston av
Packard, Saml. E., 706 Rusk av
Pennington, Harry, Lumberman's Nat. Bank bldg.
Stimson, Arthur E., 2107 Gano
Waldo, Wilmer, Bins bldg
Whitty, Patrick, 317 1-2 Main
Wise, A. J., 915 1-2 Congress av
KAUFMAN—Barnes, W. H.
Kyser, H. W.
KERRVILLE—Doris, J. H.
LA GRANGE—Vogt, A.
LAMPASAS—Brown, Ephraim
LAREDO—De la Garza, Cayetano
Foster, Arthur
LONGVIEW—Terry, E. S.
LUFKIN—McCarthy, P. A. & Sons (Consulting Civil & Electric Power Plants)
McCarthy, Starnes & Co (Consulting)
MARSHALL—Bradbury, William (M. E.)
McKINNEY—Byrne & Wilson.
Noyes, C. W.
MARLIN—Hunnicutt, R. S.
MASON—Bierschwale, Charles
MERIDIAN—Weeks, J. N.
MEXIA—Roberts, H. M.
MINEOLA—Cowan, G. W.
Giles, W. M.
Newson, J. H.
MINERAL WELLS—Berry, H. M.
MOUNT PLEASANT—Dillahanty, C. L.
Riddle, I. R.
Riddle, J. G.
Turner, J. C.
NACOGDOCHES—Nelson, A. A.
ORANGE—Pinkston, J. A. (City)
PALESTINE—Hanks, J. S.
PARIS—Davis, E. E.
Wright, J. H.
PEARSALL—Curtiss, A. L.
PITTSBURG—Fredric, W. W.
RIOGRANDE—Lopes, Pedro
ROCKPORT—Reeves, T. B.
ROCKWALL—Simpson, W. H. H.
SAN ANTONIO—Locke, W. M., 115 Fannin
Smith, Charles P. & Co., 417 Navarro
Thomson, Edw. (Consulting Mining), Mac
Welsh, Norval J. (Mining) kay bldg
Wyschetzki, A., 307 Matagorda
SAN DIEGO—Dix, J. J.
SAN MARCOS—Groce, Otto
SEGUIN—Erskine, A. M.
SHERMAN—Hopson, Joseph P.
Thiesen, H. J. J. (Specialty Cotton Seed
STEPHENVILLE—Jackson, M. L. Oil Mills)
SULPHUR SPRINGS—Banks, J. B.
Brashear, W. S.
Gilbert, J. L.
Tomlinson, S. G.
TERRELL—Terrell, J. L.
TEXARKANA—Hodler, P. M.
Stewart, Sidney, City Hall
TYLER—Ellis, Ira
VERNON—Nabers, J. A.
VICTORIA—Ward, J. W.
WACO—Goddard, Andrew
Gurley, G. B.
WEATHERFORD—Bassett, J. M.
Carroll, Nicholas
Weitzell, R. S.
Winston, J. M.
WILLS POINT—Gibson, W. W.
Greer, W. J.
McKain, T. J.
Meredith, A. W.

UTAH.

BINGHAM CANYON—Gates, Louis S. (Mining)
OGDEN—Boetaph, W. H., 1331 25th
Jenkins, Washington, Utah Loan & Trust
Maguire, Don M. E. (Mining) Co. bldg
Spencer, L. B. (Consulting), Eccles bldg.
PROVO CITY—Stewart & Sons (Mining)
Bates, Mowry (Mining)
SALT LAKE CITY—Breckon & Davis, 117 Commercial blk
Brown & Brooks, 49 S Main
Bryant, Walter C.
Butters, Chas. (Mining), Dooly bldg
Culmer, Chas. H. L. (M. E.), McCormick
Culmer, W. F. (Mining), Culmet blk
Daggett, Ellsworth (Mining), 49 S Main blk
Dunn, Geo. E. (Mining), Dooly blk.
Fitzhugh, Henry, 47 East 1st South
Forrester, Robert (Mining), Dooly bldg
Gemmell, R. C., Dooly bldg
Gibbs, G. A., 137 N West Temple
Gorlinski, Robt. (Mining), 38 Central blk
Hanson, A. P., 26 Eagle blk
Horne, H. W., Whitington bldg
Jennings, E. P. (Mining), P. O. Box 841
Jones & Jacobs, 49 S Main
Joseph, H. S., Progress bldg
Kelsey, Louis C. (City)
Le Probon, E. M., Atlas blk
Madge, Wm. C. (Consulting), Dooly blk
McCartney, H. M., 161 S Main
Mathis, T. S. (Mining), 49 S Main
Molson, C. A. (Mining), Dooly blk.
Neill, Jas. W. (Mining), P. O. Box 1164
Nissen, Peter (County Surveyor), 121 S State
Oglesby, M. L. (Mining), David Keith bldg
Overstrom, Gustave A. (Consulting) (University of Utah)
Palmer, Burton & Anderson (Mining), 47 Board of Trade bldg
Paul, S. J., Progress bldg
Rainsford, Ralph H. (Mining), American S. & Ref. Co.
Robinson, G. H. (Mining), Walker Bros. B'k
Rolfing, D. P. (Consulting), Atlas bldg bldg
Smith, J. F., Jr., 49 S Main
Snow, G. W. (Mining), Atlas blk
Sterling, Rob't, Whitington blk
Strange, V. P., Whitington blk
Sussman, Otto (Mining), Atlas Block
Trent, L. C. & S. V., S. West Temple
Wilder, E. B. (Mining), 159 S Main
Wilkes, C. S., City & County bldg
Wilkes, Edmund, Atlas blk
Wilson, J. W. (Mining), 237 6th, E
Young, O. R., McCormick bldg
Zabrinski, Edw. R. (Mining), University Club

VERMONT.

BARRE—Currier, Chas. S. (City)
Smith & Walker
BENNINGTON—*Beach, Chas. S., 745 Main
Rice, Edward
Sanborn, I. H.
*Scott, Olin (Prop., Bennington Machine
BRADFORD—McDuffee, Henry Works)
BRATTLEBORO—Crowell, Christie B.
Johnson, Alanson O. (M. E.)
BURLINGTON—Barbour, V. G., 96 N Prospect
Crandall, Frank H. (City), City Hall
Dow, A. R., 284 Pearl
McIntosh, H. M., City Market bldg
Sinclair, Frank O., 174 Main
Woodbury, Charles L., 87 N Prospect
MONTPELIER—Smith & Walker
NORTHFIELD—Andrews, G. R.
PITTSFORD—Hasseltine, H. A.
RUTLAND—Chappell, Thos. F., 14 Clement bldg
Eggleston, W. W., 23 N Main
Grimes, E. L., 9 Clement bldg
Grover, Arthur C. (City)
Lincoln Iron Works (M. E.)
Ross, Geo., 1 Merchant Row
Ross, L. F., office in depot
Wooster, Orlando, 18 Church
ST. ALBANS—Dewart, F. H.
Mason, Marshall
Warren, H. A.
ST JOHNSBURY—Perdham, J. M.
WHITE RIVER JUNCTION — Nott, H. L.
WINOOSKI—Nash, V. K. (City) (M. E.)

VIRGINIA.

ALEXANDRIA—Dunn, E. C.
Howell, D. J.
BEDFORD CITY—Mosehy, S. B. & Co.
BERKLEY—Phelps, Richard M.
BLACKSBURG—*Randolph, Lingam Strother (Prof. Mechanical Engineering, Va. Agr'l & Mech'l College)
BUENA VISTA—McDowell, W. G.
CHARLOTTSVILLE—*Thornton, Wm. M. (Prof. of Applied Mathematics, Univ. of Va.)
DANVILLE—Ballou, C. A. (City)
FRONT ROYAL—Boy, G. E.
HAMPTON—Armstrong, Richard
Chambers, Girard
Semple, Edw. A.
IVY DEPOT—*Wood, Joseph L.
LEXINGTON—Hutton Engineering Co
McDowell, W. G.
LYNCHBURG—*Gleaves, R. Taylor (Consulting)
Lewis, J. M. B., 211 9th
Lewis & Burnham (Consulting)
Shaner, H. (City)
NEWPORT NEWS—Edmonds, A. B. (County
*Gray, John W., P O Box 708 Surveyor)
Pierce, R. T., Jr.
Wagner, Adolph
Warwick Machine Co. (M. E.)
NORFOLK — Atlantic Engineering & Const. Corp'n (Civil Consulting), Nat'l Bank of Commerce bldg
Benson & Drummond, Paul-Gale-Greenwood
Blech, E. S., Atlantic Trust bldg bldg
Brooke, Wm. T. (City), City Market bldg.
Columbia Construction Co. (Contracting),
Day, Samuel F., Law bldg Law bldg
Foreman, B. C., 272 Main
Freeman, Arthur C., Jr. (Consulting), Bank of Commerce bldg
Gwathmey Engineering Co. (Contracting), Atlantic Trust bldg
Haenselman, Ferdinand, Lowenburg bldg
Land, John T., 272 Main
Murray, W. D. & Co. (Contracting), Citizens Bank bldg
Neff & Thompson (M. E.), Atlantic Trust bldg
Petrie, Chas. F. (& Consulting), 234 Main
Phelps, Richard M., 26 Clinton
Riddle, James, Board of Trade bldg
Smith, Edw. G., 346 Bute
Taylor Engine Works (M. E.), 31 Division
PETERSBURG—Dunn, Thomas C., 140 High
Rives, Thos. F.
Hayes, John W. (C. E.)
POCAHONTAS—Graham & Keller (C. E. & Mining)
PORTSMOUTH—Cassell, H. C., 701 Rose, Scottsville
RICHMOND—Anderson, Dorsey C. (Consulting), 8-12 N 9th
*Archer, Edw. R. (Chief Eng'r, Tredegar Co. Iron Works)
Beck, Henry P., City Hall
Blenner, Benj. A. (M. E.), 18 N 7th
Burgwyn, C. P. E., 917 Bank
*Delaney, Alex. (Supt. Pumping Machinery, Richmond Water Works)
Frazier, Harry (Consulting), American Nat'l Bank bldg
Froehling & Robertson (Mining), Ebel bldg
Heaton, Edw. J., 12 N 9th
Johnston, J. Ambler (Consulting), Bank of Richmond bldg
Mankin Construction Co., 812 Main
Mitchell & Mayo (Consulting), 619 E Main
Morrison, Hugh S. (M. E.), Dock, nr. 18th
Myers, E. T. D., Jr. (Consulting), Mutual Assurance Society bldg
Noland & Baskervill, Chamber of Com. bldg
Richmond Engineering Co. (Consulting), 8-12 S 9th
Roelker, Carl J. (Consulting M. E.), State Bank bldg
Scarborough, F. W. (Consulting), 816 Mutual bldg
Trafford, Edw'd W. (Consulting), Chamber of Commerce bldg
Tyler, John, Jr., 204 4th av
ROANOKE—Flickwir, D. W.
Hancke, J. E. M. (Consulting)
*Hunter, Jos. L. (Consulting M. E.), 918
McIlwaine, Archibald G. Franklin rd
Mosby, S. B.
Wentworth, Charles C. (M. E.), 18 Day av, S W
Wingate, J. H. (City)
SALEM—Corbett, Edw. Co. (M. E.)
SALTVILLE—*Mount, Wm. Dye (Gen'l Supt., Mathieson Alkali Works)
STAUNTON—Collins & Hackett (M. E.)
Harrison, Carter H. (City)

WASHINGTON.

ABERDEEN—Jackson, R. S.
CHEHALIS—Meloy, F. B.
DAVENPORT—Estby, Carl
Rockhold, Jeremiah
DAYTON—Patrick, John
ELLENSBURG—Anderson, E. O.
EVERETT—Birney, J. F.
Majors, B. C.
Powell, O. L.
Springer, L. A.
Springer, S. D.
HOQUIAM—Burrows, O. P.
MONTESANO—Robertson, Geo.

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MOUNT VERNON—Meehan, J. W.
NORTH YAKIMA—Arnold, Syd. W.
OLYMPIA—Brown, F. J.
Henry, D. S. B.
Lemon, Millard
PORT ANGELIS—Blackwood, Alfred
Fitz, H. E.
Gehrke, E. R.
Ware, W. J.
PORT TOWNSEND—Phillips, J. C.
REPUBLIC—Fortman, N. J. H.
Hammond, T. M., Jr.
Warner, E. H.
RITZVILLE—Koch, J. J.
SEATTLE—Adams & Brooks (M. E.), Coleman bldg
Anderson, Chas. M. Engineering Co., 707 Belmont pl
Barnes & Co. (Consulting C. E. & M. E.), Starr-Boyd bldg
Bellamy, H. R. (Consulting), 455 18th av
Bowerman, J. W. (M. E.), New York bldg
Bryan, A. E. (Mining), 813 Bellevue
Buel, C. M. (Mining), 2446 E Valley
Chapman, G. W., 723 19th av
Coe & Noster, Burke blk
Colby, C. W. (Consulting M. E.) (Hallidie Machinery Co.), 315 S 2d av
Collins, C. R. (Consulting), Globe blk
Collins, Glenville A. (& Mining), Mehlhorn blk
Cotterill & Whitworth, N. Y. blk
Cummings, Edw. W. (Consulting), Maynard
Des Grange, J. C., 724 21st av bldg
Dickey, W. A. (Mining), 1225 6th av, W
Downey, A. S., D. H., Bailey bldg
Fowler, C. E. (Consulting), 1600 35th av
Frank, W. D. (Mining), Globe blk
Fuller, A. E., Pacific blk
Gage, S. M. (M. E.), 1411 41st av, N
Gardner, & Gardner, 112 18th av
Hamlin, P. D., 1113 36th av
Hanford, H. D., The Otis
Hanford & Blackwell, Alaska bldg
Hawkins, E. C., H. D. Bank bldg
Hawkins, H. L., Burke bldg
*Hefferman, John T. (Pres., Hefferman Engine Works)
Heese, Udo., Colman bldg
Hill, F. A. (Mining), Mutual Life bldg
Hoffedits, W. L., Epler blk
Hussey, Ernest B., D. H. Bank bldg
Ingalls, A. O. (Consulting & Mining), N. Y. blk
International Contract Co. (Consulting)
Jamme, G. E. (Mining), Metropolitan bldg
Jenks, Arthur W. (Mining), Alaska bldg
Landes, Henry (Consulting Geologist), University of Wash'n
Lee, C. F. (Mining), Colman bldg
Lockwood, J. B. Co. (Consulting), Colman bldg
McAllaster, E. L. (Consulting & M. E.), Pioneer bldg
McPherson, J. L. (& Mining), Colman bldg
Owens, H. K., Alaska bldg
Pacific Iron & Steel Works (M. E.), 929 Ewing
Parker, F. L. (& M. E.), N. Y. blk
Phillips Engineering Co. (& Mining), 417 Marion blk
Reynolds, H. S. (M. E.), Pacific blk
Rice, L. M. (& Mining), Pacific blk
Rodda, R. W. (Mining), 115 Marion
Scurry, Wm. (Surveyor), 424 Jeff
Shelton, L. D. W., 206 Boston blk
Shaw, C. M. & Co. (Consulting), Colman
Smith, W. E., Hancock bldg Dock
Stoess, P. C. (Mining), Colman bldg
Talbot, P. A. (M. E.), Mutual Life bldg
Thomson, R. H. (City), City Hall
Valentine, A. L. (County Surveyor), County Court House
Vulcan Iron Works (M. E.), 5th av, S
Washington Map & Blue Print Co. (Inc.), Pacific blk
Wegener, O. F. & Co., 730 Lakeview av
White, C. L., 1122 4th av
Wilbur, C. H. (Mining), 1122 E Denny
SHELTON—Shelton, J. S. W. Way
Ward, G. M.
SNOHOMISH—Leque, Peter
Lenfest, Elmer
Niles, H. P.
SPOKANE—Armstrong, L. K. (Mining), Hyde blk
*Breen, Jas. (Mgr. Dir. Dominion Copper Co.)
Clark, A. B.
Clarke, Roy H. (Mining), Lindelle bldg
Juessen, Edmund (Mining)
Linsley, N. E. (Mining)
Macdonald, Bernard (Mining), P. O. Drawer 1744
Porter, J. M. (Mining), 14 Ex bldg
Thyng, W. S. (Mining), Empire State bldg
Wetzel, John
Worthington, Irving (Mining), Trader bldg
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Bosworth, W. M. (Chief Engr. T. R. & P. Co.)
Bullard, Geo. W., Provident bldg
Bullard, S. Foster, 3001 N 29th
Davis, Frank L., 818 North I
Davis, J. T. Co. (Mining), 1305½ South G
Devick, J. C., 115 S 8th
Drake, E. N. E. (City Engr. Dept.)
Elliott, R. I. (Consulting), Bankers' Trust
Eltonhead, A. L., 2124 South K bldg
Fuller & Manley (& Consulting), Provident bldg
Gillies, A. P., Imperial bldg
Gray, H. L., Chamber of Commerce bldg
Hawks, A. McL. (Hydraulic Consulting)
McConihe, L. F. (Mining), California bldg
McCullough, A. (Mining), 1142 South D
Nicholson, L. A., Fidelity bldg
Noel, J. E. (City Light Dept.)
Railsback, H. V., Court House
Taylor, N. L. (Metropolitan Park District of Tacoma)
Thornton, George, Court House
White, D. H., Bernice bldg
Whitney Engineering Co. (M. E.), Bank of California bldg
Young, Robt. (Mining), 1713 N Prospect
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WAITSBURG—Ingraham, D. G.
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Sayles, W. G.
WENATCHEE—Prowell, W. R.

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*Jones, Clement Ross (Asst. Prof. Mech'l Engineering, W. Va. Univ.)
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Hix & Hearne, 1400 Chapline
Lohse, Chas. W. (City)
Miller, D. J., Peabody bldg
Smith, Clemence C., 30 14th
White, A. L.

WISCONSIN.

ALMA—Buesch, John
Kessinger, Lawrence
ANTIGO—Borr, B. F.
Durbac, Joseph
McFarland, C. W.
APPLETON—Edwards, Nathaniel M.
Gillett, Chas. H. (City)
Orbison, T. W.
Pride, Chas. B. (M. E.)
ASHLAND—Day, J. E.
AUGUSTA—Ball, J. L.
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BARRON—Russell, D. A.
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BELOIT—*Bird, John D., 741 Church.
Caldwell, Robert
*Jenkins, M. L. (Supt., Fairbanks & Co.)
Wilson, James
CHILTON—Severn, Jacob
DODGEVILLE—Joiner, R. L.
EAGLE RIVER—Graham, Daniel
EAU CLAIRE—Alderman, Chas. A. (City), 418
ELKHORN—Child, James S Barstow
FLORENCE—Simpson, Charles
FOND DU LAC—Boardman, Napoleon
Parsons, E. B.
GRAND RAPIDS—Corcoran, Wm.
GREEN BAY—Brauns, August, 222 N Wash'n
Carlin, Patrick H., 103 S Wash'n
Hillis, Alvin L., 125 Main
Reed, W. W. (City)
HAYWARD—Elder, J. M.
HORTONVILLE—Briggs, William
JANESVILLE—Kerch, C. V. (City)
Ruger, Edw.
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*Hirshheimer, Harry J. (Vice Pres., La Powell, F. C. (City) Crosse Plow Co.)
LAKE GENEVA—Beckwith, Warren
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Hickey, John F. (City)
Icke, J. F.
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Marcy, W. L., Court House
Nader, John D.
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Pitz, Louis (City)
MARINETTE—McCallam, H. A. (City)
MAUSTON—Patterson, J. D.
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*Beck, Matthias A., 294 Greenbush av
Benzenberg, Geo. H. (Consulting), 120 Wisconsin
Bredel, Fred Co. (M. E.), 405 Keene
Chase, Geo. H., 307 Grand av
Cloos, Jacob (Consulting M. E., Complete Power Plants, Construction, etc.), 777 28th
Coddington, Samuel C., 428 Grand av
Colles, Geo. W., 326 C and av
*Conway, Geo. M. (Consulting M. E.), 27
Engel, Theo. C., 301 15th Belvidere blk
Fraser Co. (M. E.), 667 E Water
Geist, Jno. (Consulting), 428 Grand av
Hanmer & Co., 428 Grand av
Hughes, Wm. C. (Surveyor), 307 Grand av
*Johnson, Warren S. (Mgr., Johnson Electrical Service Co.), 151 Michigan
Kahn, G. E., 114 Grand av
Mertz-Loeffler, 211 Grand av
Newton Engineering Co. (Consulting), 221 Grand av
Poetsch, Chas. J. (City), City Hall
Power Improvement Co. (Consulting), Enterprise bldg
Reinertsen, Robt. C., 144 Wisconsin
Schneider, Fred. (& Surveyor), 468 Wash-
Spalding, E. M., 820 Racine igton
Steinhagen, Gustav, Grand av viaduct
*Tribe, Jas. (Allis-Chalmers Co.), Clifton
Uehling, O. C., Wells bldg opp Park
Vause, James E. (& Surveyor), 541 35th
Vogt, Robt. F., 102 Wisconsin
Wade, Chas. G., 499 B'way
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NEENAH—Hjorth, L. C. (City)
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Millard, A. W.
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OCONTO—Hall, R. L.
OSHKOSH—Leach, Harvey W. (City)
Randall, G. H.
PHILLIPS—Houghton, William
Nichols, W. H.
PLATTEVILLE—Hodge, Benj. (Mining)
Trego, Frank H. (Operating)
RACINE—Burlingham, Orson
Connolly, Henry J. (City)
Knight, S. G. (County)
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SHEBOYGAN—Bode, Louis
Boley, U. G. (City)
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Bussell, S. E., 402 Trust blk
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Smith, A. K., 913 Tower av
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TOMAHAWK—Chevrier, J.
WAUKESHA—Powrie, Wm. E.
WAUPACA—Johnson, A. W.
WAUSAW—Gowen, B. C.
Nutter, C. W. (City)
WEST SUPERIOR—(See Superior)

WYOMING.

CHEYENNE—Bond, Fred. (State Engineer)
Patten, H. B.
Pease, W. D. (& County Surveyor)
Stahl, Edw. F.
CODY—Taylor & Kimball (Mining)
LANDER—Esselstyn, J. N. (Mining)
LARAMIE—Bellamy, Charles
Buck, Ed. A. (County Surveyor)
Burkhardt, R. W. (Mining)
Holmes, A. T.
Whiting, Edw.

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See Engineers, Architectural & Structural Consulting;
Also Engineers, Civil, Mechanical & Mining; followed by the word Consulting between name and address;
Also Heating & Ventilating Engineers, Consulting;
Also Engineers, Hydraulic;
Also Engineers, Mill;
Also Engineers, Sanitary.

*Engineers (Consulting, for the Supervision of Concrete Construction)

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index, end of book)

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(See Engineers, Civil, Mechanical & Mining, followed by the word "Contracting" between the name and address; also Engineers, Hydraulic; also Engineers, Mill; also Steel Structural Work)

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Engineers (Heating & Ventilating)

(See Heating & Ventilating Engineers, Consulting)

Engineers (Hydraulic)

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ALABAMA.

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Friel, L., 215 Stimson bldg
Lamy, G. L., 408 S Spring
Purcell, G. (Consulting), Wilcox bldg
Schuyler, J. D. (Consulting), Braly bldg
Wright, E. T., 608 S Main
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SAN FRANCISCO—Allardt, Geo. F., 420 California
Baker, Frank J., & Co., 604 Mission
Bromfield, Davenport, 3 Mills bldg
Browne, Ross E., Nevada bldg
California Hydraulic Engineering & Supply Co., 523 Market
Clark, F. A., 420 California
Cumming, Geo. & Co., 18 Fell
Dillman & Wallace, 722 Montgomery
Doble, Robt. McF. (Consulting), Hayward bldg
Harmon, Dana, Hayward bldg
Hunt, A. M., 331 Pine
Livermore, Norman B., & Co., Metropolitan Bank bldg
O'Shaughnessy, M. M., Union Trust bldg
Rogers, Chas. S., 120 Sutter
Vischer, Hubert, Flood bldg
SANTA ANA—Finley, S. H.
SANTA PAULA—Orcutt, W. H., Hardware bldg

COLORADO.

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DENVER—O'Brian & Pearl, R. R. bldg
O'Brien & Pearl, R. R. bldg
Ulrich, Jno. C., 1528 Champa
PUEBLO—Martin, E. P.

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HARTFORD—Souther, Hy., 440 Capitol
Ayres, H. W., 66 State
MIDDLETON—Bishop, Geo. W., 129 Main
NEW HAVEN—Hill, Albert B., 82 Church
SOUTHINGTON—McKenzie, Theo. H.
WATERBURY — Cairns, Robt. A., 9 Leavenworth
Welton & Bonnett, 77 Bank

FLORIDA.

JACKSONVILLE—Le Baron, J. Francis

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ATLANTA—Hall Bros., 409 Temple Court
Walker, A. F., Austell bldg

ILLINOIS.

BLOOMINGTON—Bell & Mellulsh
Brown, Chas. Carroll
CHESTER—Smith, Isaac A.
CHICAGO—Alvord, Jno. W. (Consulting), Hartford bldg
Ashley, Burton J., 6515 Normal av
Cole, John A., 84 Van Buren
Mead, D. W. (Consulting), First Nat'l B'k bldg
Morgan, Geo. Cadogan, 169 Jackson boul
Union Engineering & Construction Co., 1st Nat'l Bank bldg
Wheeler, W. H., & Co., Security bldg
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ELKHART—Beardsley Gravity Dam & Construction Co.
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TERRE HAUTE—Grimes, Geo. R., 521 Ohio

IOWA.

CEDAR RAPIDS—Merridith, G. H.
Wardle & Yeager
Warriner, Thos. R.
Wynn, Geo. W.
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TOPEKA—Hinckley, H. V.
Tweddle, Wm.

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PADUCAH—Stickney, G. F.

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Fuller, Frank L., 12 Pearl
Gowing, E. H., 12 Pemberton sq
Hawes, Louis E., 101 Tremont
Knowles Steam Pump Wks., 42 Battery-march
Lockwood, Green & Co., 93 Federal
McClintock & Woodfall, 15 Court sq
Metcalf & Eddy, 14 Beacon
Pierce & Barnes, 7 Water
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Stone-Webster Engineering Co., 147 Milk
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Wheeler, Wm., 14 Beacon
BROCKTON—White & Wetherbee
HOLYOKE—Ellsworth & Kirkpatrick (Consulting)
Mann, T. W.
Tighe, Jas. L., 255 High
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SPRINGFIELD—Merrill, Geo. N. & Co. (Consulting), 292 Main

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KALAMAZOO—Pierson, George S.

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MINNEAPOLIS—Coppelen, F. W., Oneida blk
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MONTANA.

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NEBRASKA.

OMAHA—American Engineering Co., Bee bldg
Rosewater, Andrew, City Hall

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CHARLESTON—Webber, Samuel
MANCHESTER—Dudley & Doherty
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NEWARK—Field, Wm. P., 763 Broad
McMurray, Eugene A., 22 Clinton
PASSAIC—Wise & Watson

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Witmer, J. E., 705 Ellicott sq
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Foye, Andrew E., 20 Broad
Fuertes, Jas. H., 140 Nassau
Fuller, Geo. W., 170 B'way
Gerhard, Wm. P., 33 Union sq
Greene & Greene, 11 B'way
Hamshaw, F. T., 220 B'way
Hazen, Allen, 108 Park av
Hering & Fuller (Consulting), 170 B'way
Leavitt, Chas. W., Jr., 220 Broadway
Municipal Engineering & Contracting Co. (Consulting), 90 West
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Phillips & Worthington, 90 West
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Reid, Thornburn, 91 Wall
Sanderson & Porter (Consulting), 52 William
Stevens-Hewitt Engineering Co., 11 William
Tingley, Richard H. Co., 30 Church
Tribus, Louis L., 84 Warren
Vermeule, Cornelius C., 208 Broadway
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YONKERS—Christian, G. L.
Gould, E. Sherman

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Knox, H. E.
WINSTON SALEM—Ludlow, J. L.

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CINCINNATI—Bouscaren, G., 322 W 4th
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Roberts & Abbott Co. (Inc.), Schofield bldg
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Taft, J. A., 23 E State
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MIDDLETOWN—Monjeau, C.
TOLEDO—Riggs & Sherman Co. (Consulting), The Nasby

OREGON.

PORTLAND—Cunningham, J. H., 610 Chamber of Commerce

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Fisher, Wagner, Land Title bldg
Harrison & Schreiber, Harrison bldg
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YORK—York Engineering Co. Wood

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Shedd (Consulting), 146 Westminster
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Tingley, R. H., 75 Westminster
Weston, Edmund L., 86 Weybosset

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Lockwood, Green & Co.

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(See Engineers, Mill)

Engineers (Marine)

(See Architects, Naval)

Engineers (Mechanical)

(See Engineers, Civil, Mechanical & Mining, with the letters M. E. following their name)

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(See also Architects & Engineers for Paper Mills)

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De Bruyn Kops, J., Savannah, Ga.
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Dyer, David H. & Son, 7 Pocasset B'k bldg, Fall River, Mass.
Eaton & Brownell, Watertown, N. Y.
Ellsworth & Kirkpatrick, 18 Dwight, Holyoke, Mass.
Fraser-Mather Co., 667 E Water, Milwaukee, Wis.
Goodrich, L. F., Augusta, Ga.
Gray, Arthur F., R 932, 53 State, Boston, Mass.
Green, Samuel M., Main, Holyoke, Mass.
Griffin, Chas., 121 S Walker, Lowell, Mass.
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MILL & POWER PLANT ENGINEERS

—AND—

GENERAL CONTRACTORS

90 West Street, NEW YORK, N. Y.

Hall, Clifton A., 307 Broad, Providence, R. I.
Hall & Kimball (Rubber & Paper Mills, etc.), 101 Tremont, Boston, Mass.
Hardy, Geo. F. (Paper Mills, etc.), 309 B'way, New York
Henry, William Thomas, 30 Borden blk, Fall
Herrick, H. A., Pawtucket, R. I. River, Mass
Hill, Nathaniel, 228 Worthen, Lowell, Mass.
Hinds, Fred S., Essex bldg, Boston, Mass.
Holt & Schober, Provident bldg, Phila., Pa.
Hyde, Karl H., Attleboro, Mass.
Insley Iron Works (The), Indianapolis, Ind.
Jones, E. D. & Sons Co., Pittsfield, Mass.
Keiser-Van Leer Co., Bloomington, Ill.
Kent, Willard, Longley bldg, Woonsocket, R. I
Kitfield, Edw. H., 53 State, Boston, Mass.
Kops, J. de Bruyn, Savannah, Ga.
Ladshaw & Ladshaw, Spartansburg, S. C.
Lambert & Brooks, 27 Artizan, New Haven Conn
Leach, Geo., 333 Butler Ex., Providence, R. I.
Lockwood, Greene & Co., 93 Federal, Boston
Main, C. T., 45 Milk, Boston, Mass. Mass
Makepeace, C. R. & Co., 429 Butler Exch., Providence, R. I.
Marvel, E. I., 81 Redford, Fall River, Mass.
Moulton, H. L., 1215 Filbert, Phila., Pa.
Newhall, Geo. M. Engineering Co. (Ltd.) (Paper & Pulp Mills, Sugar Refineries, Cement Plants, etc.), 136 S 4th, Phila., Pa., & 43 Cedar, New York
Osborn Engineering Co., Osborn bldg, Cleveland, O., & Land Title bldg, Phila., Pa.
Praray, Chas. A. M. & Co., Banigan bldg, Providence, R. I.
Pride, Chas. B., Appleton, Wis.
Robbins, O. H., Charlotte, N. C.
Sawyer, Edw., 60 Congress, Boston, Mass.
Seabury, Dwight, 12 East av, Pawtucket, R. I.
Shand & Lafaye, Columbia, S. C.
Sheldon, Frank P. & Co., 49 Westminster, Providence, R. I.
Sirrine, J. E., Greenville, S. C.
Smith, Horace H., Ford bldg, Boston, Mass., & Lawrence, Mass.
Snow & Humphreys, 85 Water, Boston, Mass.
Spackman, Henry S., Engineering Co., 42 N. 16th, Philadelphia, Pa.
Spaulding, Geo. W., Woonsocket, R. I.
Sperry & Sellers Co., 82 Church, New Haven, Conn.
Stebbings, W. L. (Hydraulic Mill Work, Modernizing, Inspecting, Supervising, Heating & Ventilating, etc.), Monadnock blk, Chicago, Ill.
Tingley, Rich. H., 27 William, New York
Tower, D. H. & Son, Dalton, Mass.
Tracy Engineering Co., 1647 Page, San Francisco, Cal.
Twiggs Engineering & Construction Co., Leonard bldg, Augusta, Ga.
Walker, A. F., Austell bldg, Atlanta, Ga.
Wallace, Jos. H. & Co., 5 Beekman, New York
Washburn, A. H., Charlotte, N. C.
Whitley & Co., Tremont bldg, Boston, Mass.
Wilder & Davis, Manhattan bldg, Chicago, Ill.
Wolf, Otto C. (& Brewery), 1025 Arch., Philadelphia, Pa.

Engineers (Mining)

(See names in Engineers, Civil, Mechanical & Mining, marked Mining between their names and addresses)

Engineers (Modernizing)

Dodge & Day (Of Power & Manufacturing Plants), Drexel bldg, Phila., Pa.
Emerson Co., 30 Church, New York
Pratt & Van Winkle, 160 5th av, New York
Raeder & Wood (Plant Design, Construction & Equipment), Great Northern bldg, Chicago, Ill.

Engineers (Reinforced Concrete)

(See Concrete Steel Construction, Reinforced)

Engineers (Sanitary)

Adams, Henry (Consulting), Calvert bldg, Baltimore, Md.
Albright & Mebus, 908 Land Title bldg, Phila., Pa.
Allen & Farrington, Syracuse, N. Y.
Alvord, John W., Hartford bldg, Chicago, Ill.
Ashley, Burton J., 6315 Normal av, Chicago, Ill.
Bacterial Sewer Purification Co., 149 B'way, New York
Barbour, Benj. F. P. & Elec. Co., Birmingham, Ala.
Baumeister, A., 2 Palmer, Cambridge, Mass.
Beach, Henry T., City Hall, Syracuse, N. Y.
Bell & Mellulsh, Eagle blk, Bloomington, Ill.
Blake & Symonds, 8 Beacon, Boston, Mass.
Bowditch, Ernest W., 60 Devonshire, Boston, Mass.
Bradbury, R. G. (Consulting), 85 N. High, Columbus, O.
Brown, Chas. Carroll, Commercial Club bldg, Indianapolis, Ind.
Building & Sanitary Inspection Co., 56 Maiden la, New York
Burns & McDonnell, Scarritt bldg, Kansas City, Mo.
Cameron, Septic Tank Co., 812 Monadnock blk Chicago, Ill.
Cappelen, F. W., Oneida blk, Minneapolis, Minn.
Cary & Roemer, Times bldg, New York
Chapin, L. E., Canton, O.
Chase, Chas. F., 75 Westminster, Providence, R. I.
Christian G. L., Yonkers, N. Y.
City-Wastes Disposal Co., 156 5th av, New York
Coffin, Freeman Co., 53 State, Boston, Mass.
Colby & Baker, Lincoln Trust bldg, St. Louis, Mo.
COLE, JOHN A., 1585 Old Colony
Cook, J. D., Toledo, O. bldg, Chicago, Ill.
Darling, Oscar, 21 Park row, New York
Darrach, Chas. G., Land Title bldg, Philadelphia, Pa.

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Dickinson, Henri D. (Consulting), 123 E 23d, New York
Dudley, Arthur, Manchester, N. H.
Ellsworth & Kirkpatrick, Holyoke, Mass.
Ewing, Wm. B., 1706 Marquette bldg, Chicago, Ill.
Flad, Edw., Fullerton bldg, St. Louis, Mo.
Fuertes, Jas. H., 140 Nassau, New York
Fuller, Frank L., 12 Pearl, Boston, Mass.
Fuller, Geo. W., 170 B'way, New York
Gannett, C. H., 53 State, Boston, Mass.
Gerhard, Wm. P., 33 Union sq W, New York
Goss, C. G. H., Martinville, Ind.
Gray, Saml. M., Banigan bldg, Providence, R. I.
Guthrie & Diehl, Ellicott sq, Buffalo, N. Y.
Hawes, Louis E., Tremont bldg, Boston, Mass.
Hazen, Allen, St. Paul bldg, New York
Hering & Fuller (Sewerage & Sewage Disposal), 170 B'way, New York
Hill, Geo., 12 W 40th, New York
Hill, Quick & Allen Equitable bldg, Baltimore, Md.
Iowa Engineering Co., Clinton, Ia.
Jeup & Moore, Indiana Trust bldg, Indianapolis, Ind.
Kiersted, Wynkoop, Water Works bldg, Kansas City, Mo.
Layman, E. F., 32 E 3d, Cinn., O.
Lloyd, Percival M., 89 Market, Poughkeepsie, N. Y., & 109 Lexington av, New York
Longyear, Orson C. (Consulting), Kingston, N. Y.
Loweth, Chas. F., 1st Nat'l Bank bldg, St. Paul, Minn.
Ludlow, J. D., Winston Salem, N. C.
McClellan, Dodge, Madison, Wis.
McClintock, John N., 89 State, Boston, Mass.
McClintock & Woodfall, 15 Court sq, Boston, Mass.
McMurray, Eugene A., 22 Clinton, Newark, N.J.
Mann, T. W., Holyoke, Mass.
Merrill, Geo. N. & Co., 292 Main, Springfield, Mass.
Metcalf & Prescott, 14 Beacon, Boston, Mass.
Meyers, Chas. B., 1 Union sq, W, New York
Morgan, Geo. C., 169 Jackson boul, Chicago, Ill.
Morgan, W. & Co., 330 Market, San Francisco, Cal.
Municipal Engineering & Contracting Co. (Consulting), 90 West, New York
O'Flaherty, Dani. & Son, 708 Wall, Kansas City, Mo
Optenberg & Sonneman, Sheboygan, Wis.
Phillips, Hiram, 301 City Hall, St. Louis, Mo.
Pierce, Richardson & Neller (Consulting), Manhattan bldg, Chicago, Ill.
Pierson, Geo. S., Kalamazoo, Mich.
Potter, Alex., 143 Liberty, New York
Rafter, Geo. W., Rochester, N. Y.
Rice, Jno. A., 70 Milk, Boston, Mass.
Riggs & Sherman Co. (Consulting), The Nasby, Toledo, O
Sarle, C. Perry, 142 Westminster, Providence R. I.
Shields, W. S., 140 Dearborn, Chicago, Ill.
Stanley, H. J., City Hall, Cinn., O.
Stewart, Jas. A., Traction bldg, Cincinnati, O.
Stickney, G. F., Paducah, Ky.
Stoddard, G. F., 199 Chestnut, Lynn, Mass.
Strong, Wilson B., Atlanta bldg, Washington, D. C.
Sutton, Frank (Consulting), 91 Wall, New York
Todd, Hugh, 146 Spring, Los Angeles, Cal.
Tucker, Wm. C., 156 5th av, New York
Van Emburgh, H. C., Plainfield, N. J.
Vermeule, Cornelius C., 203 B'way, N. Y.
Wade, Frank E., Sheldon, Ia.
Wardle & Yeager, Cedar Rapids, Iowa
Waring, Chapman & Farquhar, 874 B'way, New York
Warriner, Thos. R., Cedar Rapids, Ind.
Webster, Albert L. (Consulting), 82 Wall, New York
Weston, Edmund B., 86 Weybosset, Providence R. I.
Wheeler, Wm., 14 Beacon, Boston, Mass.
Whittet, Bartlett & Co., 59 Main, Buffalo, N. Y.
Williams, Proctor & Potts (Inc.), 17 Battery pl, New York
Wilkins, W. G. Co., 200 9th, Pittsburg, Pa.
Wilson, Harris, & Richards, Drexel bldg, Phila., Pa.
Winters, Edw. E. (Sewage Disposal), Bensen bldg, Albany, N. Y.
Wise & Watson, Passaic, N. J.
Witmer, J. F., 64 Ashland, Buffalo, N. Y.
Wood, Frank W., Monadnock blk, Chicago, Ill
Woodbridge, S. Homer, 420 Boylston, Boston, Mass.

Engineers' Bulletin

Handlan-Buck Mfg. Co. (Kemp's), 212 N 3d St. Louis, Mo.

Engineers' Supplies, Etc.

(See the Specific Article Wanted)

(For Dealers in Engineers' Specialties see Mill & Factory Supplies; also Steam Fitters' Supplies)

*Engine & Motor Parts

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)

Engines

NOTE—In order to avoid duplications when addressing Engine Mfrs., address "Engines (Automobile)," "Engines (Steam)" and "Engines (Gas & Gasoline)" only, as all other Engine Lists are duplications of the above.

Engines (Air)

(See Engines, Compressed Air)

Engines (Alcohol)

Badger, Gas. & Gasoline Engine Co., Kansas City, Kan
Callahan, W. P. & Co., 901 E. 3d, Dayton, O
Challenge Co., Batavia, Ill.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index, end of book)
MARINE ENGINE & MACHINE CO., 230 W 18th, New York; Works: Harrison N. J. (See adv. index & branch offices, end of book)
New-Way Motor Co. ("New-Way" Air Cooled), Lansing, Mich
Temple Pump Co. ("Master Workman," One Cylinder, Portable & Stationary), 15th & Meagher, Chicago, Ill

Engines (Artesian Well)

(See Pumps, Artesian Well)

Engines (Automatic)

(See Engines (Steam) with the word "Automatic," Etc., following Name)

Engines (Automobile)

Albrecht Mfg. Co. (Gasoline), Columbus, Ga.
American Die & Tool Co. (Gasoline), Reading, Pa
American Gasoline Motor Co., Baldwinsville, N. Y
American Oil Engine Co. (Oil), 57th & B'way, New York.
American & British Mfg. Co., Providence, R. I. & Bridgeport, Conn
Augustine Automatic Rotary Engine Co. (Steam), 132 Northampton, Buffalo, N. Y.
Aurora Automatic Machine Co. (Gasoline), Aurora, Ill.
Auto Engine Works (Gasoline), 427 Rice, St Paul, Minn
Bellfuss Motor Co. (Gasoline), Lansing, Mich
Beverly Mfg. Co. (Gasoline), Beverly, Mass.
Boss Knitting Machine Works (Steam), Reading, Pa
Brennan Motor Mfg. Co. (Gasoline), Syracuse, N. Y.
Brownell, F. A. Motor Co. (Gasoline, 34 H. P.), Rochester, N. Y
Brown-Talbot Machinery Co. (Gasoline), Old South bldg, Boston, Mass
Chester Engineering & Machine Co. (Gasoline), Chester, Pa.
Clark, Edw. S. (Steam), 272 Freeport, Boston Mass
Clinton, Walter R., 34 Elm, West Haven, Conn.
Columbus Screw & Machine Co. (Gasoline), 241 Kaiser, Columbus, O
Continental Motor Mfg. Co. (Gas), Muskegon Mich
Crouch, Chas. P. & Co. (Gasoline), 472 Carroll av, Chicago, Ill
Davis Mfg. Co. ("Davis") 935 30th, Milwaukee, Wis
Fast Machine & Tool Works (Gasoline), 1001 20th av, Milwaukee, Wis
Filer & Stowell Mfg. Co. ("Beaver"), Milwaukee, Wis.
Forsyth, W. & Son (Gasoline), Lynn, Mass
Funke, A. H. ("Kelecom" Gasoline), 83 Chambers, New York
Hartford Marine & Auto Co. (Gasoline), 25 Elliott, Boston, Mass
Hatcher Auto Parts Co. (Gasoline), The Viaduct, Cleveland, O.
Hershell-Spillman (Gasoline), West Tonawanda, N. Y.
Hewitt Motor Co. (Gasoline), 6 E 31st, New York
Hill, R. S. (Gasoline), Detroit, Mich.
Hoffman, W. Motor Works (Gasoline), 1253 N Halsted, Chicago, Ill.
Houle Motor Works (Gasoline), Holyoke, Mass
Ideal Machine Works, 255 39th, Brooklyn, N. Y.
Illinois Automobile Parts Co. ("Holts"), Peoria, Ill.
KEIM, JNO. R. MILLS (Inc.), (Steam), Buffalo, N. Y. (See adv. index, end of book)
Kilby Mfg. Co., 4326 Lakeside av, N E, Cleveland, O.
Kirkham Motor Cycle Mfg. Co. ("Kirkham" Gasoline), Bath, N. Y.
Lamson, E. F. (Gasoline), Abington, Mass.
Lear, Oscar Auto Co. (Gasoline), Columbus, O.
Mason Regulator Co. (Steam & Gasoline), 158 Summer, Boston, Mass.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Merkel Motor Co. (4-Cylinder, Air Cooled & Water Cooled Gas & Gasoline), Milwaukee, Wis.
Milwaukee Motor Co. (4-Cylinder Gasoline), 615 Clybourn, Milwaukee, Wis.
Mitchell Motor Co. ("Mitchell" Gasoline), Racine, Wis.
Model Gas Engine Works (Double Opposed, Air Cooled & Water Cooled, Gasoline), Peru, Ind.
Motor & Mfg. Works Co. (Gasoline), Ithaca, N. Y.
Muncie Auto Parts Co. (Gasoline), Muncie, Ind.
Myers, A. J. ("Aster," Imported), 1010 B'way, New York
Neer Auto. Engine Co. (Gasoline), 25 W. Russell, Columbus, O.
Neustadt Auto & Supply Co. (Gasoline & Steam), 820 S 18th St. Louis, Mo.
Northway Motor & Mfg. Co. (Gasoline), Maybury & Huncock avs., Detroit, Mich.
Ofeldt, F. W. & Sons (Steam), Nyack, N. Y.
Reeves Pulley Co. (Gasoline), Columbus, Ind.
Rochester Machine Tool Works, 3 Frank, Rochester, N. Y.
Ross & Kramer (Gasoline), 5007 S Halsted, Chicago, Ill.
St. Louis Gas & Gasoline Engine Co., 2615 De Kalb, St. Louis, Mo.
Sandusky Foundry & Machine Co. (Gas & Gasoline), Sandusky, O.
Schilling, C. R., 810 N Main, St. Louis, Mo.
Seitz, F. A. Co. (Gasoline), 149 Freylinghuysen av, Newark, N. J.
Shipman Mfg. Co. (Gasoline), Sunbury, Pa.
Smith, A. O. Co. (Gasoline, 4-Cycle), Milwaukee, Wis.
Speed Changing Pulley Co. ("Carrico," 18-20 h. p., 4-Cylinder, 4-Cycle, Air Cooled Gasoline), Anderson, Ind.
Streit, A. Machine Co. (Gasoline), 1108 Harrison av, Cincinnati, O.
Sturtevant, B. F. Co., Hyde Park, Mass.
Turbenson Motor Co. (Gasoline), Bloomfield, N. J.
Watertown Motor Co. (S. F. Bagg, Prop.), Watertown, N. Y.
Westerfield Motor Co, (Gasoline), Anderson, Ind.
Western Motor Co. (Gasoline), Logansport, Ind.

Engines (Beating)

Clark, H. C. & Son Machine Co., Lee, Mass.
Currier, Cyrus & Sons (Also Washing), Newark, N. J.
Dayton Globe Iron Works Co. (for Paper Mills), Dayton, O.
Dilts Machine Works, Fulton, N. Y.
Downington Mfg. Co., East Downington, Pa.
Emerson Mfg. Co. ("Holland"), Lawrence, Mass.
Holyoke Mach. Co., Holyoke & Worcester, Mass.
Jones, E. D. & Sons Co., Pittsfield, Mass.
Poole, J. Morton Co., Wilmington, Del.
Pusey & Jones Co., Wilmington, Del.

Engines (Blowing)

ALLIS-CHALMERS CO. (Horizontal or Vertical), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Ship Building Co., Cleveland, O.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Bruce-Macbeth Engine Co., Cleveland, Co.
BUCKEYE ENGINE CO., Salem, O. (See adv. index & branch offices, end of book)
Builders' Iron Foundry, Providence, R. I.
Filer & Stowell Co., Milwaukee, Wis.

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Forbes, W. D., Co., New London, Conn.
Canton-Hughes Pump Co., Canton, & Cleveland, O.
Heisler, C. L. Mfg. Co., St. Marys, O.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. (See adv. index & branch offices, end of book)
Lake Erie Engineering Works, Buffalo, N. Y.
Mesta Machine Co., Pittsburg, Pa.
Morris, I. P. Co., Beach c Ball, Phila., Pa.
National Foundry & Mach. Co., Louisville, Ky.
Nordberg Mfg. Co., Milwaukee, Wis.
Perrin, Wm. R. & Co., Chicago, Ill.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co., Cudahy, Wis.
Routs, P. H. & F. M. Co., Connersville, Ind.
Southwark Foundry & Machine Co., Philadelphia, Pa.
Tod, Wm. Co., Youngstown, O.
Welmer Machine Works Co. (Positive Blast (30 to 200 h p), Lebanon, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O., & Akron, O.
Wells, F. C. (Est. of), 116 S. Clinton, Chicago, Ill.
WESTINGHOUSE MACHINE CO., The, Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)
Wisconsin Engine Co., Corliss, Wis.

Engines (Bridge Erecting)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Bacon, Earle C., 26 Cortlandt, New York
Byers, Jno. F. Machine Co., Ravenna, O.
FLORY, S. MFG. CO., Bangor, Pa. (See adv. index, end of book)
LAMBERT HOISTING ENGINE CO., 115 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)

Engines (Chemical)

(See Fire Engine, Chemical; also Fire Extinguishers)

Engines (Compound)

ALLIS-CHALMERS CO. (Horizontal or Vertical Tandem & Cross), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Atlas Engine Works, Indianapolis, Ind.
Brownell Co., Dayton, O.
ELLICOTT MACHINE CO. (& Triple Expansion), Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Erie City Iron Works (4-Valve Tandem & Cross), Erie Pa.
Harrisburg Foundry & Machine Works (Single Cylinder, as well as Tandem & Cross Compound), Harrisburg, Pa.
Hoover, Owens, Reutschler Co., Hamilton, O.
MINNEAPOLIS STEEL & MACHINEry Co. (Vertical & Horizontal Cross Compound & Tandem Compound Condensing Corliss), Minneapolis, Minn. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS (8 to 350 H. P.), Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Nordberg Mfg. Co., Milwaukee, Wis.
U. S. Rapid-Fire Gun & Power Co. ("Francke" Four Ported Steam), Derby, Conn.
Wisconsin Engine Co. (Tandem up to 10,000 H. P.), Corliss, Wis.

Engines (Compressed Air)

(See also Compressors, Air)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Dake Engine Co., Grand Haven, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
Empire Engine & Motor Co. ("Empire" Hoisting, etc.), Orangeburg, N. Y.
Ingersoll-Rand Co. (For Cranes), 11 B'way, New York
Leyner, J. Geo. Engineering Works Co., Littleton, Col.

Engines (Corliss)

ALABAMA.

BIRMINGHAM—Birmingham Machine & Foundry Co.
Hardie, Tynes Mfg. Co.

CALIFORNIA.

SAN FRANCISCO—Golden State & Miners' Iron Works
Hendy, Joshua Iron Works Co.
Union Iron Works Co. (100 to 8000 h. p.)

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co.
NEW BRITAIN—New Britain Machine Co.
NEW HAVEN—Twiss, N. W.

ILLINOIS.

CHICAGO—Featherstone Foundry & Machine Co., 303 Railway Ex
GALESBURG—Frost Mfg. Co. (30 to 900 h. p.)
JOLIET—Bates Machine Co. (50 to 500 H. P.)

INDIANA.

EVANSVILLE—Heilman Machine Works
INDIANAPOLIS—Atlas Engine Works

IOWA.

BURLINGTON—Murray Iron Works Co.

MASSACHUSETTS.

FITCHBURG—Brown, C. H. Engine Co.
Fitchburg Steam Engine Co.

MICHIGAN.

BATTLE CREEK—Nichols & Shepard Co.
SAGINAW—Bartlett, A. F. & Co. (50 to 1,000 h. p.)

MINNESOTA.

MINNEAPOLIS — **MINNEAPOLIS STEEL** & Machinery Co. ("Twin City"). (See adv. index, end of book)

MISSOURI.

KANSAS CITY—Strait, H. N. Mfg. Co. ("Monarch" Simple Compound, Horizontal & Vertical High Duty)
ST. LOUIS—Fulton Iron Wks (30 to 5000 h.p.)
Ramming, John Mach. Co., 300 S Main
St. Louis Iron & Machine Works (Single, Tandem & Cross Compound, Heavy Duty & Girder Frame, 50 to 3,000 h. p.), 126 Chouteau av
South St. Louis Foundry Co., 7514 S B'way

NEW JERSEY.

HOBOKEN—Consolidated Iron Works
NEWARK—Hewes & Phillips Iron Works (50 to 2,000 h. p.)
Watts-Campbell Co. (40 to 1,000 h. p.), 298 Ogden

NEW YORK.

BELMONT—Clark Bros. Co. (High Speed)
FISHKILL ON THE HUDSON—Fishkill Landing Machine Co. (25 to 1,000 h. p.)
NEWBURGH—Newburgh Ice Machine & Engine Co.
NEW YORK—New York Engine Co. (Simple, Compound & Triple Expansion 300 to 1500 h p), 165 B'way. Works: Watertown, N. Y.
TROY—Knowlson & Kelly (40 to 2,000 h. p.)
WATERTOWN—New York Engine Co. (See N. Y. City)

NORTH CAROLINA.

GREENSBORO—Greensboro Boiler & Machine Co. (Slide Valve & Automatic)

OHIO.

CINCINNATI—Lane & Bodley Co. (50 to 1000 h. p.)
CLEVELAND — Wellman-Seaver-Morgan Co. ("Akron," 30 to 2000 h. p.
HAMILTON — Hooven, Owens Rentschler Co. ("Hamilton," 30 to 10,000 h. p.)
IRONTON—Ironton Engine Co.
MASSILLON—Russell Engine Co.
MOUNT VERNON—Cooper, C. & G. Co. (20 to 1200 h. p. Heavy Duty)
ZANESVILLE—Griffith & Wedge Co. ("Ohio")

PENNSYLVANIA.

CHESTER—Wetherill, Robt. & Co. (25 to 2000 h. p.)
ERIE—Ball Engine Co. (Horizontal & Vertical, 300 to 1200 h. p.)
Nagle Engine & Boiler Works ("Nagle")
HARRISBURG—Harrisburg Foundry & Machine Works ("Fleming," 4-Valve Automatic)
OIL CITY—Oil City Boiler Works
PHILADELPHIA—Southwark Foundry & Machine Co. ("Southwark")
PITTSBURG—Mesta Machine Co.
WESTINGHOUSE MACHINE CO., The, Westinghouse bldg. (See adv. index, end of book)
READING—Reading Iron Co.
SCOTTDALE—Scottdale Foundry & Machine Co.
WAYNESBORO—Frick Co. ("Eclipse")
YORK—York Mfg. Co. (Ltd.)

RHODE ISLAND.

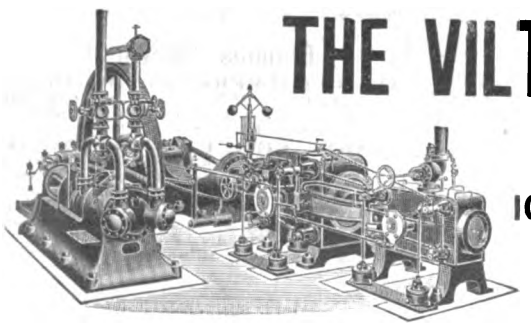
PROVIDENCE—American & British Mfg. Co.
Harris Wm. A. Steam Engine Co. (Cross & Compound Condensing & Triple Expansion, etc.)
Providence Engineering Works ("Rice & Sargent")

TENNESSEE.

JACKSON—Southern Eng. & Boiler W'ks (Inc.)

WISCONSIN.

CORLISS—Wisconsin Engine Co. (Heavy Duty, up to 800 H. P.)
MILWAUKEE—ALLIS-CHALMERS CO. ("Reynolds-Corliss") (See adv. index, end of book)
Filer & Stowell Co. ("1900 Heavy Duty")
Nordberg Mfg. Co.
VILTER MFG. CO. (30 to 1000 h. p.) (See adv. index, end of book)



THE VILTER MFG. CO.

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CORLISS ENGINES, BOILERS, ETC.

ICE MAKING & REFRIGERATING MACHINERY

OUTFITS FOR BREWERS and BOTTLERS

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Engines (Deck)

Chase Machine Co. (Single & Double Geared), Cleveland, O.
Gillie Engine & Machine Co., Tonawanda, N. Y.

Engines (Deep Well Pumping)

American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Cook-Well Co., St. Louis, Mo.
Nordberg Mfg. Co., Milwaukee, Wis.
Union Steam Pump Co., Battle Creek, Mich.
Weinman Machine Works, Columbus, O.

Engines (Direct Connected & Belted)

(See also Generators, Electric Light; also Generators, Power)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Engine Co., Boundbrook, N. J.
Ames Iron Works, Oswego, N. Y.
Ball & Wood Co., Elizabeth, N. J.
Brownell Co., Dayton, O.
BUCKEYE ENGINE CO., Salem, O. (See adv. index & branch offices, end of book)
Erie Mfg. & Supply Co., Erie, Pa.
Harrisburg Fdry. & Mach. Wks., Harrisb'g, Pa
Hooven, Owens, Rentschler Co., Hamilton, O.
Ide, A. L. & Sons, Springfield, Ill.
Knowlson & Kelly, Troy, N. Y.
Lane & Bodley Co., Cincinnati, O.
Lawrence Machine Co., Lawrence, Mass.
McIntosh, Seymour & Co., Auburn, N. Y.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Murray Iron Works Co., Burlington, Ia.
New York Safety Steam Power Co, 114 Liberty, New York
Nordberg Mfg. Co., Milwaukee, Wis.
Noye Mfg. Co., Buffalo, N. Y.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Shepherd Engineering Co., Williamsport, Pa.
Skinner Engine Co., Erie, Pa.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Stickney, Chas. A. Co. (Gas & Gasoline), St. Paul, Minn.
Sturtevant, B. F. Co., Hyde Park, Mass.
Union Iron Works Co., San Francisco, Cal.
U. S. Rapid-Fire Gun & Power Co. ("Francke" Four Ported Steam), Derby, Conn.
WESTINGHOUSE MACHINE CO., THE, Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)

Engines (Distillate)

Alamo Mfg. Co., Hillsdale, Mich.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Reeves Engineering Co., Mount Vernon, O.
Root & Van Dervoort Engineering Co., East Moline, Ill.

*Engines (Drawbridge)

LIDGERWOOD MFG. CO., 96 Liberty, New York & Old Colony bldg, Chicago (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)

*Engines (Dredging)

ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Toledo Foundry & Machine Co., Toledo, O.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)

Engines for Fan Driving, Etc.

Brownell Co., Dayton, O.
Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West Street bldg, New York
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O

Engines (Gas & Gasoline)

(See also Engines, Gasoline, Marine)

ALABAMA.

BIRMINGHAM — White-Blakeslee Mfg. Co. (Gas & Gasoline)

CALIFORNIA.

ALAMEDA—Gorham Engineering Co. (Marine Gas)
Hercules Gas Engine Works (Gas & Gasoline)
FRESNO—Central California Machine Works (Inc.) (Gas)
LOS ANGELES—**FAIRBANKS, MORSE & Co.** (Gas & Gasoline for All Purposes), 136 Los Angeles. (See adv. index, end of book)
Norton Engine & Power Co. ("Alamo," Gas)
Stearns Gas Engine Works (Gas)
Western Gas Engine Co. (7 to 500 h. p.)
OAKLAND—Union Gas Engine Co. (Gas & Oil), East Oakland
POMONA—Pomona Mfg. Co. (Gasoline)
SAN FRACISCO—Bailey-Raymond Machine Works (Gas & Oils), 17 Fremont
Corliss Gas Engine Co. (Stationary & Marine), 227 Folsom
Doak Gas Engine Co. (Gas), 8th & Irvin
Dundon's San Francisco Iron Works, 225 Folsom
Economist Gas Engine Co. (also Crude Oil), 519 Howard
FAIRBANKS, MORSE & CO. (Gas & Gasoline. (For All Purposes), 310 Market. (See adv. index, end of book)
Garratt, W. T. & Co. (Inc.), 142 Fremont
Golden State & Miners' Iron Works (Gas & Gasoline), 231 1st
Hawkins Mfg. Co., 300 Post
Henshaw, Bulkley & Co., 219 Spear
Hicks, Jas. L. (Gas, etc.), 667 Mission
Imperial Gas Engine Co. (Gas), 60 Clementine
Jackson, Byron Machine Works (Gas & Gasoline), 411 Market
Ohmen Engine Works, 17th & Capp
Schilling, Adam & Sons (Gas & Gasoline)
Standard Gas Engine Co. (Gas) 211 Main
Swain, Hadwen Mfg. Co. (Gas & Gasoline) 92 7th
Union Gas Engine Co. ("Union"), 244 1st
Union Iron Works Co., 20th & Mich.
Webber & Richer Iron Works (Gas), 103 Beale
Weidenthal-Gosliner Electric Works
Woodin & Little (Gas & Gasoline), 70 Fremont
SAN LEANDRO—Best Mfg. Co. (Gas, Gasoline & Oil)
STOCKTON—Samson Iron Works (Gas)

COLORADO.

DENVER—**FAIRBANKS, MORSE & CO.** (Gas & Gasoline for All Purposes), 1600 17th. (See adv. index, end of book)
Finch Gas Engine & Machine Works, 1360 11th
FLORENCE—Florence Iron Works Co. ("Florence" Gas)

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co. (Gas or Gasoline in Quantities Only)
Automatic Machine Co. (Marine)
Bridgeport Motor Co. (Gasoline Motors)
Hitchcock Gas Engine Co. (Marine Gasoline)
Royal Equipment Co. ("Royal" Gasoline, 4-Cycle)
Van Auken Motor & Machine Works (Twin Screw Marine)
Wheeler Engine Co. (Gas & Gasoline)
Wolverine Motor Works (Marine)
CENTERBROOK—Connecticut Valley Mfg Co. (Gasoline Marine)
COS COB—Palmer Bros. (Gasoline)
DERBY—Housatonic Motor & Machine Co. (Marine Gasoline)
HARTFORD—Gray & Prior Machine Co.
MANUS—Manus Motor Works. ("Hartford")
MIDDLETOWN—Hubbard Motor Co. (2 & 4 cycle)
MYSTIC—Lathrop, J. W. (Stationary & Marine, 1½ to 25 h. p.; Gas & Gasoline)
NEW BRITAIN—Kinne, Wm. A.
NEW HAVEN—Miner & Peck Mfg. Co. (Gas & Gasoline)
NEW LONDON—Husbrouck Motor Works (Inc.) (4 Cycle Marine, etc., Gasoline)
New London Gas & Electric Co. (Marine Gas)
New London Motor Co. (Gasoline)
NORWALK—Barker, C. L. (Gas)
SEYMOUR—Church, S. B. (Gas & Gasoline)
STAMFORD—Fox, Charles (Gas & Gasoline)
Muench, George (Gasoline)
Stamford Motor Co. (Inc.), ("Snecker" Gasoline)
STONY CREEK—Beach, O. B. (Gas & Gasoline)
TORRINGTON—Progressive Mfg. Co. (Marine)
WEST MYSTIC—Holmes Motor Co.

DELAWARE.

WILMINGTON — Delaware Machine Works (Gasoline)
Stowe Mfg. Co. (Marine Gasoline)

ILLINOIS.

AURORA—AMERICAN WELL WORKS (Gasoline) (See adv. index, end of book)
BATAVIA—Challenge Co. (Gasoline)
CHICAGO—Aermotor Co., Campbell av, n 12th ("Aermotor")
Caldwell, H. W. & Son, Western av, bet 17th & 18th
Cavanaugh & Darley (Gas), 84 Van Buren
Chicago Water Motor & Fan Co. ("Backus"), 40 Dearborn
Colborne Mfg. Co. (Gas), 35 Indiana
Continental Engine Co., 8 S Canal
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), Wabash av & Eldredge pl. (See adv. index, end of book)
Holliday Mfg. & Engineering Co. (Gas), 160 Bunker
International Harvester Co. of America (Gasoline, Horizontal, Vertical, Pumping, Portable, etc.), Mich. av & Harrison st
Kling Bros. (Gas & Gasoline, 2 to 40 h. p.), 287 Hawthorne av.
Lammert & Mann (Gas & Gasoline), 153 S Jefferson
Latham Machinery Co., 199 S Canal
McDonald, A. H. (Gas), 60 W Monroe
Murray, W. B. (Gas & Gasoline), 353 Wabansia av
National Meter Co. ("Nash" Gas & Gasoline), 318 Dearborn
Plunket, James E. (Gas), 47 S Jefferson
Skillin & Richards Mfg. Co., 127 Fulton
Smith Mfg. Co. (Gasoline), 158 W Harrison
Strang Engine Co. (Double Acting), 140 Dearborn
Swain Engine Co. (Gas), 4107 Cottage Grove av
Temple Pump Co. ("Master Workman," Gasoline, 2 to 10 h. p.), 17 W 15th pl
United Pump & Power Co., 84 Van Buren
WEBSTER MFG. CO. (Vertical 3½ & Horizontal 4 to 10 h. p.), 1075 W. 15th. (See adv. index, end of book)
DIXON—Clipper Lawn Mower Co. (Gasoline Marine)
EAST MOLINE—Root & Van Dervoort Engineering Co. (Gas & Gasoline)
FREEPORT—Freeport Gas Machine Co. (Gas)
Freeport Windmill & Gas Engine Co. (Gas-oline)
Stover Engine Works (Gasoline)
HAVANA—Havana Mfg. Co. ("Havana," "Red & Ready")
JOLIET—Buckeye Engine & Foundry Co.
KEWANEE—**KEWANEE WATER SUPply Co.** (See adv. index, end of book)
MOLINE—Moline Pump Co. (Gas, 2 to 7 h. p.)
NORTH CHICAGO—Nagel Gas Engine Co.
North Chicago Machine Co. (Gas)
PEORIA—Illinois Automobile & Parts Co.
PERU—Brunner, Chas. ("Holtz")
PLANO—Independent Harvester Co. (Air Cooled, 8 h. p. Gasoline)
ROCKFORD—Rockford Engine Works (Gasoline)
Savage & Love Co. (Gas & Gasoline)
SHELBYVILLE—Anderson Engine Co.
STERLING—Charter Gas Engine Co. (Gas & Gasoline)
WARNER—Warner Elevator Mfg. Co. ("Warner" Gasoline)

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INDIANA.

ANDERSON—Anderson Tool Co. (Gas)
Buckeye Mfg. Co. (Gas & Gasoline)
Lambert Gas & Gasoline Engine Co. (Gas
Reliable Machine Co. & Gasoline)
ANGOLA—Angola Engine & Foundry Co.
EAST CHICAGO—Famous Mfg. Co.
FORT WAYNE—Ft. Wayne Foundry & Machine Co. (Gas & Gasoline)
Western Gas Construction Co. (Gas & Gaso-
GOSHEN—Goshen Motor Works line)
HAGERSTOWN—Light Inspection Car Co.
INDIANAPOLIS—Atlas Engine Works (2 to 30 h. p.), 19th & Martindale av
Capital Gas Engine Co.
Crescent Mach. & Tool Co. (Gas & Gasoline)
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), 140 S Meridian. (See adv. index, end of book)
Howe Engine Co. (Gasoline), Hillside & Bloyd avs.
KENDALVILLE—Flint & Walling Mfg. Co. (Gasoline)
LOGANSPORT—Western Motor Co. ("Rutenber")
MARION—Gillespie, L. W. & Co. (Gas & Gasoline, 1 h. p. & up)
MISHAWAKA—Perkins Windmill Co.
MUNCIE—Muncie Gas Engine & Supply Co. ("Auglaize" Gas)
NEW ALBANY—Goetz-Coleman Mfg. Co. (Gas &
PERU—Model Gas Engine Works Gasoline)
PLYMOUTH—Clizbe Bros. Mfg. Co.

IOWA.

CEDAR RAPIDS—Cedar Rapids Foundry & Machine Co.
CHARLES CITY—Hart-Parr Co. (Oil Cooled Gasoline)
CLINTON—Lamb Boat & Engine Co. (Gas)
DAVENPORT—Buck Auto Carriage & Implement Co.
White Lily Mfg. Co. ("White Lily" Gasoline)
DES MOINES—Globe Machinery & Supply Co., Monarch Machine Co. 414 W. Court av.
IOWA CITY—Kelly, O. S., Western Mfg. Co.
IOWA FALLS—Gade Bros. Mfg. Co. (Air Cooling, Gasoline)
LYONS—Pelton, T. G. & Son (Gasoline)
MARSHALLTOWN—Lennox Machine Co. (Sta-Shorthill, A. F. Co. tionary & Mounted)
WATERLOO—Armstrong-Quam Mfg. Co.
Chamberlain Machine Works (Gasoline)
Iowa Gasoline Engine Co. (Gasoline)
Waterloo Gasoline Engine Co. (Gasoline)

KANSAS.

CLAY CENTER—Clay Center Windmill & Foundry Co.
KANSAS CITY—Badger Gas & Gasoline Engine Co. (Gas & Gasoline)

KENTUCKY.

LOUISVILLE—**FAIRBANKS, MORSE & Co. (Gas & Gasoline for All Purposes), 519 Main. (See adv. index, end of book)**
Longest Bros Co. (Gasoline), 561 3d
NEWPORT—Deam Gas Engine & Foundry Co. (Gas)
WINCHESTER—Hagans Gas Engine & Mfg. Co (Gas)

MAINE.

AUGUSTA—Fifield Bros.
BATH—Bath Automobile & Gas Engine Co. (Gas)
Torrey Roller Bushing Works
CAMDEN — Camden Anchor-Rockland Machine Co. (Gasoline)
PORTLAND—American Gas & Gasoline Engine Co.

MARYLAND.

BALTIMORE—Eisenbrandt, F. B. (Marine Gasoline), ft of Marshall
Hollingsworth, Wm., 227 N. Holliday
Keidel, Henry & Co. (Gasoline), 405 W. German
Page Engineering Co. (Gas & Gasoline), 119 E. York
Schweizer Motor Co. ("Schweizer" Gas) Equitable bldg
White & Middleton Gas Engine Co. (Gas & Gasoline, 5 to 400-H P.), Charles & Winder

MASSACHUSETTS.

ABINGTON—Lamson Machine Co.
BOSTON—Boston Gasoline Engine Co. ("Reliable"), 19 High
Church, Stephen B. (Gas & Gasoline), 66 Holt, Shattuck & Co., 45 Wash. High
Jager, Chas J. Co. ("Jager" 4 Cycle type, 3 to 60 h. p.), 281 Franklin
Lunt, Moss & Co. (Gas & Gasoline), 43 S Market
Murray & Tregurtha Co., 338 W 1st, S. B.
National Motor Co., 150 Franklin
Sturtevant Mill Co., Clayton cor Park Dor
Whitney, F. E. (Gas & Gasoline), 65 Sudbury
FITCHBURG—Wachusett Machine Co.
GLOUCESTER—Richardson, N. & Sons Mfg. Co.
LAWRENCE—Lawrence Machine Co. (2 & 4 cycle)
Stanley Co.
Turner & Schwartzenberg (Gas)
LYNN—Young, W. J., Machine Co. (Essex Gasoline Engines)
QUINCY—Lizotte, Jos. & Co. (Gasoline)
TAUNTON—Easternhouse Engine Co. ("Pearl"), 35 Vernon
WOLLASTON—Emery, Victor J. (Marine Gas)
WORCESTER—Adams, John J. (Gas & Gasoline), 81 Mechanic
Greendale Gas Engine Co. (Gas & Gasoline), Boylston, cor. Fales
Knight, Ethel O., 86 Foster

MICHIGAN.

ALBION—Cook Mfg. Co. (Gas & Gasoline)
ALMA—Alma Mfg. Co. ("McVicker" Automatic Gasoline)
BATTLE CREEK—Kneeland Mfg. Co.
BELDING—Ballou Mfg. Co.
COLDWATER—Regal Gasoline Engine Co. (Gasoline)
DETROIT—Blomstrom, C. H., Motor Co., 1270 W Jefferson av
Callie Perfection Motor Co. (Marine & Stationary Gasoline)
Cross, M. O. Engine Co. (Marine & Stationary), 800 Bellevue av
Detroit Engineering Works, cor Chene & Guoin
Detroit River Iron Works, 665 E. Atwater
Dingfelder, Max (Gasoline), ft. of Crane
Du Brie Motor Co., 436 Guoin
FAIRBANKS, MORSE & CO. (Gas & Gasoline for all Purposes), 89 Jefferson. (See adv. index, end of book)
Ford Motor Co. (2 & 4 Cylinder), Piquette av. & Beaubien
Free Piston Gas Engine Co., 1867 River
Gray Motor Co., Leib & Wight
Lamont & Steers Engine Co., 1470 Jefferson
Limbacher, Joseph (Gasoline, Marine), 60 Woodbridge
Michigan Auto Parts Co. (Gasoline, 4 to 10 h. p.)
Michigan Steel Boat Co., 1250 Jefferson av
Pungs-Finch Auto & Gas Engine Co. ("King," "Sintz," 2 & 4 Cycle, 4 to 75 h. p.), 1524 Jefferson av
Sommer Motor Co., 298 E Columbia
Strelinger, Chas. A. Co. (Gas), 96 Bates
Strelinger Marine Engine Co., 46 E Congress
Tessmer Machine & Tool Co. (Marine & Stationary Gasoline Engines), 285 Rivard
United Mfg. Co., 171 W. Woodbridge
Watt-Gagnon Co. (Auto & Marine Motors), 454 St. Paul av
GRAND RAPIDS—Austin Automobile Co. (Gasoline Automatic & Launch), 88 Division
Grand Rapids Gas Engine & Yacht Co.
Sintz, Wallin, Co. ("Monarch")
GREENVILLE—Moore Plow & Implement Co. ("Moore" Gasoline)
HILLSDALE—Alamo Mfg. Co. (Gas & Gaso
IONIA—Arnold, G. W. Son (Gasoline) line)
JACKSON—Field-Brundage Co. ("Field" Gaso-
KALAMAZOO—Burtt Mfg. Co. line)
Kalamazoo Railway Supply Co. (Gasoline
Smith & Pomeroy Wind Mill Co. Pumping)
LANSING—Bates & Edmonds Motor Co. (Gas & Gasoline)
Bates & Edmonds Motor Co. (Gas & Gaso-
Bellfuss Motor Co. (Gas) line)
Hildreth Mfg. Co.
Lansing Motor & Pump Co. (Gasoline)
New-Way Motor Co. (Gasoline, 3½ to 7 h. p.)
Olds Gas Power Co. (Stationary & Portable)
Peerless Motor Co.
MANCHESTER—Felipse Motor Co.
MARCELLUS—Chapman Forge & Engine Works ("Economizer")
MARQUETTE—Lake Shore Engine Works ("New Superior 2 & 4-Cycle)
MORENCI—Michigan Brick & Tile Machine Co.
MUSKEGON—Continental Motor Mfg. Co.
Pacific Boat Mfg. Co.
PETOSKEY—Burnett Foundry & Machine Works (Marine)
SAGINAW—Heginbottom & Sons
National Engineering Co. ("New Model" & "Michigan")
ST. JOHNS—Richmond & Haimes (Gas & Gasoline)
ST. JOSEPH—Spaulding Engine Co. (2-Cycle Gasoline, Marine)
Truscott Boat Mfg. Co. (Gasoline, Marine)
SAULT SAINTE MARIE—Chippewa Engine Works (Gasoline)
THREE RIVERS—Sheffield Car Co.

MINNESOTA.

DULUTH—Duluth Gas Engine Works ("Little Kelley Hardware Co. (Gasoline) Giant")
FAIRMONT—Fairmont Machine Co. ("Fairmont" Gasoline)
HASTINGS—Stroud-Humphrey Mfg. Co.
MINNEAPOLIS—Enterprise Machine Co. (Gasoline), 1118 S 3d
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), 220 Nicollet av. (See adv. index, end of book)
Kinnard-Haines Co., 44th & Bryant av
Minneapolis Brass & Iron Mfg. Co. (Gasoline), 116 1st av n
MINNEAPOLIS STEEL & MAchinery Co. ("Mnenzel," Gas; 30 to 500 H. P.), Minneapolis, Minn. (See adv. index, end of book)
North Star Mfg. Co., 21 High
Parten-Blomstrom Mfg. Co., 240 S 6th av
Shadegg, J. C., Engine Co., 315 S 3d
Valentine Bros. Mfg. Co. (Gasoline), 230 S
NORTHFIELD—Spear, L. E. 5th av
RED WING—Red Wing Boat Mfg. Co. (Gasoline)
ST. PAUL—Auto Engine Works (Marine Gasoline), 427 Race
Stickney, Chas. A. Co. (Gas & Gasoline)
Waterous Engine Works Co. (Gasoline)
WILLMAR—Halvorson, Lars
WINONA—Tarras, L. C. (Gasoline)
Winona Machine & Boat Works (Motor Boat), Winona, Minn.

MISSOURI.

KANSAS CITY—Bauer Machine Works Co., 111 W 18th
Jones Bros. Mercantile Co. ("Samson")
Kansas City Hay Press Co. (Stationary & Portable)
Mathews, Hugh, 5th & Washington
Witte Iron Works Co. (Gas & Gasoline), 5th & Penn
ST. LOUIS—**FAIRBANKS, MORSE & CO., Gas & Gasoline for All Purposes), 8th & Clark av. (See adv. index, end of book)**
Macgowan & Finigan Foundry & Mach. Co., 204 N 3d
St. Louis Gas & Gasoline Engine Co., 2615 De Kalb
Sinning, Chas., Machine Works (Gas & Gasoline), 244 Dickson

NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co.
LINCOLN—Cushman Motor Co. (2-Cycle Gasoline)
NORFOLK—Norfolk Foundry & Mfg. Co. (Gasoline)
OMAHA—**FAIRBANKS, MORSE & CO. Gas & Gasoline for All Purposes), 1102 Farnam. (See adv. index, end of book)**

NEW JERSEY.

BLOOMFIELD—Empire Cream Separator Co.
BORDENTOWN—Rice, John V., Jr., & Co. ("Rice" Marine Gas.)
JERSEY CITY—Standard Motor Const. Co. (75 h. p. up), 182 Whiton
NEWARK—Backus Water Motor Co. (Gas & Gasoline), 174 Penn av
Hartig Standard Gas Engine Co. (Gas & Gasoline), 14 Commercial
Newark Gas Engine Co., 670 N 6th
Seitz, F. A. Co. (For Auto & Motor Boats) 145 Frelinghuysen
WALSH'S SONS & CO. (See adv. index, end of book)
PATERSON—Sipp Electric & Machine Co.
PERTH AMBOY—Dutton Engineering Co. (Gasoline)
TRENTON—Trenton Malleable Iron Co. ("Rice" 2 & 4-Cycle)

NEW YORK.

BELMONT—Clark Bros. Co. ("Bogart" Heavy Duty Double Cylinder Gas, 100 to 500
BINGHAMTON—Canfield, P. B. (Gas) h. p.)
Deyo, R. H. & Co. (Gas)
BUFFALO—Alberger, A. H., Co. (4-Cycle, 2-Cylinder, Tandem, Gas & Gasoline, 25 to 250 h. p.), Ellicott sq
Buffalo Engine Co. (Salisbury), 272 Michigan
Buffalo Gasoline Motor Co., 1280 Niagara
Eisenhans Machine Works (Gas & Gasoline), 500 Wash'n
Empire Machine & Stamping Co., 89 Terrace
Farrar & Trefts (Gas), 65 Perry
Frontier Engine Works, ft. of Illinois
King Iron Works (Gas), Buffalo, N. Y.

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Lake Erie Engineering Works (100 to 10,000 h. p.)
Noye Mfg. Co. (Gas) 50 Lakeview av
Olin Gas Engine Co. (Gas & Gasoline), 10 Lock
Robertson Mfg. Co. (Gas), 1453 Niagara
Ruger, J. W., Mfg. Co. (Gas & Gasoline. 4-Cycle Compression Type, 5 to 100 h. p.), Chicago & Perry
Sterling Engine Co. (Gas), 119 Grant
ELMIRA—Field Force Pump Co.
FRANKFORT — Acme Road Machinery Co. (Gasoline)
FULTON—Parker, J. J. Co. (Gasoline) book)
GASPORT—Friend Mfg. Co.
GENEVA—Fay & Bowen Engine Co. (Gas & Gasoline, 2-Cycle Stationary & Marine)
HAMMONDSPORT—Curtiss, G. H. Mfg. Co.
MALONE—Hinds, Thomas, Estate (Gasoline)
NEWBURGH—Lackawanna Mfg. Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Gas & Gasoline Engine Co., 1377 De Kalb av
National Meter Co., 42d c 1st av
Saladin, Louis & Co., 1143 De Kalb av

Boroughs of Manhattan & Bronx.

NEW YORK — ALLIS-CHALMERS CO. (Gas Only, Four-Cycle Double-Acting, 500 to 5,000 H. P.), 71 B'way. (See adv. index, end of book)
Allman Gas Engine & Mach. Co., 29 Sullivan
AMERICAN WELL WORKS (Gasoline), 2 Stone. (See adv. index, end of
Baylis Co., 140 Wash n book)
BEGGS, JAMES & CO., 109 Liberty. (See adv. index, end of book)
Calleson Motor Co. (Gas), 120 Centre
CLAYTON AIR COMPRESSOR Works (Gas Only), 115 B'way. (See adv. index, end of book)
De La Vergne Machine Co. ("Koerting" Gas), ft E 138th
DONEGAN & SWIFT (Gasoline, Self-Contained), 6 Murray. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), 133 Liberty. (See adv. index, end of book)
Gas Engine & Power Co. & Chas. L. Seabury & Co. ("Speedway" Gasoline), Morris Heights
GAS POWER CO., 2 Rector. (See adv. index, end of book)
Homan, J. & E. (Gas & Gasoline), 378 W B'way
Hurd & Haggin (Inc), 316 Hudson, New York.
International Oil Engine Co., 1779 B'way
Kumberger & Vreeland (Gas & Gasoline), 35 Sullivan
LAIDLAW-DUNN-GORDON CO. (Gas Only), 115 B'way. (See adv. index, end
Loomis, F. W., 403 Canal of book)
National Meter Co. ("Nash" Gas & Gasoline), 84 Chambers
New York Safety Steam Power Co., 114 Liberty
New York Yacht, Launch & Engine Co. ("20th Century"), Morris Heights
Oil City Boiler Works (Inc.) (of Oil City, Pa.) (Gas), 39 Cortlandt
Powell Engine Corporation, 49 Warren, New York
Thompson, Andw. (Gas & Gasoline), 114 Centre
WEBSTER MFG. CO. (Vertical 3½ & Horizontal 4 to 10 h. p.) 88 Reade. (See adv. index, end of book)
White Mfg. Co. ("The Craig," Gas & Gasoline), 556 W 34th

Borough of Queens.

LONG ISLAND CITY—Daimler Mfg. Co., 939 Steinway av

(End of New York City)

NORTH TONAWANDA—Herschell-Spillman Co.
NUNDA—Foote Mfg. Co.
OLEAN—Myrick Machine Co. (Gas)
ROCHESTER—Beers Bros. Engine Co. (Gasoline), Culver rd
Brownell, F. A. Motor Co. (Gas)
Horton Boats (Inc.)
Luitwieler Pumping Engine Co. (Gas & Gasoline)
Rochester Gas Engine Co., Lexington av
Bridge
Trebert Gas Engine Co. ("Monarch"), 163 Main, W.
ROME—Maxwell & Fitch Co.
SCHENECTADY—Westinghouse Co.
SYRACUSE—Barber Bros.
Leighton, H. J., 901 W Fayette
Sanderson, Wm., 807 W Willow
VERNON—Pohl, Geo. D. Mfg. Co. (Gasoline "Advance")
WATERTOWN—Smith Electrical Engineering Co. ("Boynton")

NORTH DAKOTA.

FARGO—Fargo Foundry Co. (Gasoline Only)

OHIO.

BUCYRUS—Hall Gas Engine Co.
CINCINNATI—Berglaausen Machine Co., 601 Lock
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), 307 Walnut. (See adv. index, end of book)
Lane & Bodley Co. (Gas), Paddock rd & Ross av
Parks Ball Bearing Machine Co. (Gas & Gasoline), Knowlton & Fergus
Superior Tool & Supply Co., 500 E Front
Van Duzen, E. W. Co. (Gas & Gasoline), 428 E 2d
Vandewalle, Chas. & Co. (Marine Gasoline), Mt Echo & W 6th
Watkins Motor Co. (Gas & Gasoline), 6th & Baymiller
CLEVELAND—Bruce-Macbeth Engine Co. (8 to 100 h. p.)
De Mooy Bros. (Marine Gasoline), 1831 E 55th
FAIRBANKS, MORSE & CO. (Gas & Gasoline for All Purposes), 99 Water. (See adv. index, end of book)
Standard Pump & Engine Co. (Gas), 522 Prospect av, N. W.
STRONG, CARLISLE & HAMMOND Co., 336 Frankfort av, N. W. (See adv. index, end of book)
Wellman-Seaver-Morgan Co. ("Cockerill" Gas, "Sargent" Gas), 7004 Central av
COLUMBUS—Columbus Machine Co. (Gas & Gasoline), 223 W Broad
Lowe Bros. (Gas & Gasoline, 2 to 20 h. p.), 38 W Town
Robinson-Tilton Machine Co. ("Noxol"), 515 W 1st av
DAYTON—Callahan, W. P. & Co. (up to 200 h. p.), 901 E 3d
New Era Gas Engine Co. ("Little Giant" & "New Era"), 2d & Dale av
Steiner, M. & Co. (Gas), 242 S Torrance
Stoddard Mfg. Co., Bainbridge & Bacon
ELYRIA—Elyria Gas Engine Co. (Gas & Gasoline)
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HAMILTON—Advance Mfg. Co. (3 to 35 h. p.)
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LEIPSIC—American Foundry Co. ("Gas")
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East Iron & Machine Co.
LORAIN—Brown-Cochran Co. ("Brown," "Lacy")
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MARION—Marion Mfg. Co. of Ohio (Gas & Gasoline)
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MOUNT VERNON—Reeves Engineering Co. (Gas & Gasoline)
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ORRVILLE—Cyclone Drill Co.
ST. MARYS—St. Marys Machine Co. (Gas & Gasoline)
SALEM—BUCKEYE ENGINE CO. (Gas, 50 to 8000 h. p.) (See adv. index, end of book)
SANDUSKY—Ohio Motor Co. (Gas & Gasoline, Stationary & Portable)
SPRINGFIELD—Bauroth, W. F., & Bro. (Gas & Gasoline, 2 to 15 h. p.)
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SHIPPINSBURG—Domestic Engine & Pump Co.
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Struthers-Wells Co. (Gas)
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Williamsport Gas Engine Co. (Gas & Gasoline for all Purposes)
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Henry, Millard & Henry Co. ("Advance" 2 to 15 h. p.)

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LAMBERT HOISTING ENGINE CO. (See adv. index, end of book)
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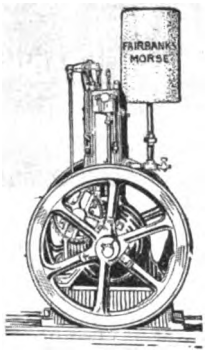
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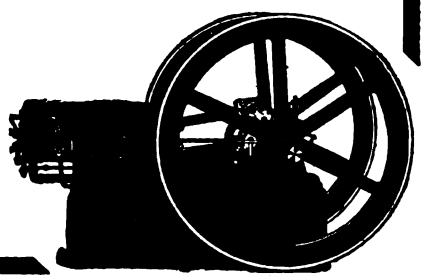
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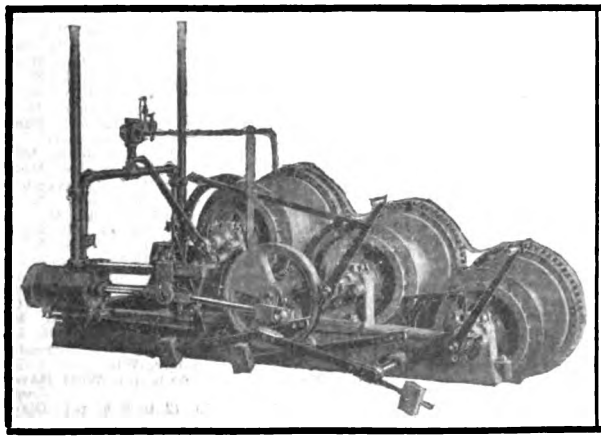
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MANITOWOC—Gunnell Machine Co.
MILWAUKEE—**ALLIS-CHALMERS CO.** (See adv. index, end of book)
Filer & Stowell Co.
KOEHRING MACHINE CO., MILwaukee, Wis. (See adv. index, end of Nordberg Mfg. Co. book)
SMITH, T. L. CO., THE, Majestic bldg. (See adv. index, end of book)

Engines (Hoisting, Contractors')

(See also Engines, Hoisting)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Bacon, Earle C., 26 Cortlandt, New York
Bates & Edmonds Motor Co., Lansing, Mich.
Byers, John F. Machine Co., Ravenna, O.
Contractors Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
DORRIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Hendy, Joshua Works, Bay & Kearney, San Francisco, Cal
Jefferson Iron Works Co., 7 Jefferson av, Detroit, Mich.
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, N. Y., & Old Colony bldg, Chicago, Ill (See adv. index & branch offices, end of book
McKeown, H. J., 248 Butler, Cincinnati, O
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md (See adv. index, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
N. Y. Cableway & Engineering Co., 1 Rector
Orr & Sembower, Reading, Pa. New York
Patten Mfg. Co., Chattanooga, Tenn.
Pelham Operating Co., 410 W 26th, New York
SHAW, WILLIS CO., 171 Lasalle, Chicago Ill. (See adv. index, end of book)
Vulcan Iron Works Co., Toledo, Ohio.

Engines (Hoisting, Gas or Gasoline)

Chester Engineering & Machine Co., Chester, Pa.
Columbus Machine Co., Columbus, Ohio.
FAIRBANKS, MORSE & CO. (Gas, Gasoline & Oil), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index, end of book)
Fort Waynes Foundry & Machine Co., Fort Wayne, Ind
Lake Shore Engine Works Co. (Gasoline, Hoisting & Pumping), Marquette, Mich
Union Gas Engine Co. ("Union"), San Francisco, Cal

*Engines (Hoisting, Pneumatic)

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

Engines (Hot Air Pumping)

American Machine Co. (Denney Improved Rider-Ericsson), Wilmington, Del
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Demarest, Jno., J., 148 Centre, New York.
Essex & Smith Co. ("Essex"), Buffalo, N. Y.
Lemmey, T. W. B., 410 W 54th, New York
Middlefield Mfg. Co. ("Geauga"), Middlefield, Ohio
Rider-Ericsson Engine Co., 35 Warren, N. Y.
Slocomb, F. F. & Co. (Oscillating), Wilmington, Del
THOMAS & SMITH ("Economy"), 17 S Carpenter, Chicago, Ill. (See adv. index, end of book)

Engines (Hydraulic, for Blowing Church Organs)

American Steam Pump Co., Battle Creek, Mich.

Engines (Hydraulic Pumping)

(See also Hydraulic Rams)

Niagara Hydraulic Engine Co., 140 Nassau, New York

*Engines (Incline Cableway)

MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)

Engines (Kerosene)

(See Engines, Oil)

Engines (Locomotive Traction)

(See Locomotive, Dirt Road)

*Engines (Log Skidding & Loading)

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
LAMBERT HOISTING ENGINE CO., 115 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)

ENGINES
LOG SKIDDING & LOADING
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

Engines (Logging)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Best Mfg. Co. (Traction), San Leandro, Cal.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Hendy, J. Machine Works, San Francisco, Cal.
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Lima Locomotive & Machine Co., Lima, Ohio.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McKeown, H. J., 248 Butler, Cincinnati, O.
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
Phoenix Iron Works, Portland, Ore.
Portland Iron Works Co., Portland, Ore.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Iron Works Co., Seattle, Wash.
Washington Iron Works Co., Seattle, Wash.
Willamette Iron & Steel Wks., Portland, Ore.

Engines (Marine, Gasoline)

(See also Engines, Automobile; also Engines, Gas or Gasoline; also Motor Boat, Launch & Yacht Builders)

Alpha Motor & Machine Co., Fall River, Mass.
American Gasoline Motor Co., Baldwinsville, N. Y.
American Motor Co., Eau Claire, Wis.
Austin Auto Co., Grand Rapids, Mich.
Automatic Machine Co. ("Automatic"), Bridgeport, Conn.
Barber Bros., 101 Grape, Syracuse, N. Y.
Barker, C. L., Norwalk, Conn.
Bauer Bros., 1916 Light, Baltimore, Md.
Belcher Motor Co. ("Belcher" 2 cycle), Fall River, Mass.
Benton, Thomas P., & Son, LaCrosse, Wis.
Boston Gasoline Engine Co. ("Reliance"), Boston, Mass.
Bowen & Quick ("Polly-Allen"), Auburn, N. Y.
Brennan Motor Mfg. Co. (4-cylinder), Syracuse, N. Y.
Bridgeport Motor Co. (Inc.), Bridgeport, Conn.
Brown-Cochran Co. ("Lacy"), Loraine, O.
Brown-Talbot Machinery Co., Old South bldg, Boston, Mass.
Brownell, F. A. Motor Co. ("Monarch"), Rochester, N. Y.
Bruce-Macbeth Engine Co., Cleveland, O.
Buffalo Gasoline Motor Co. (2 to 100 h. p., 4 Cycle), 1280 Niagara, Buffalo, N. Y.
Burtt Mfg. Co., Kalamazoo, Mich.
Caille Perfection Co. ("Perfection"), Detroit, Mich.
Camden Anchor-Rockland Machine Co. ("Knox"), Camden, Me.
Chase Yacht & Engine Co., Providence, R. I.
Chester Engineering & Machine Co., Chester, Pa.
Clark Mfg. Co., Fond du Lac, Wis.
Clinton, Walter R. (2 to 60 h. p.), West Haven, (Conn.)
Clipper Lawn Mower Co. (2 to 8 h. p.), Dixon, Ill.

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Columbus Screw & Machine Co., 244 Kaiser, Columbus, O.
Continental Motor Co., Muskegon, Mich.
Cooley Mfg. Co., Waterbury, Vt.
Corliss Gas Engine Co., 227 Folsom, San Francisco, Cal.
Craig, James, 556 W. 34th, New York
Crescent Machine & Tool Co., Indianapolis, Ind.
Cross, M. O., Engine Co., Detroit, Mich.
Crouch, Chas. P. Co. (Inc.) ("Junior"), 152 Lake, Chicago, Ill.
Cushman Motor Co., Lincoln, Neb.
Cyclone Drill Co., Orrville, O.
Daimler Mfg. Co. (Marine & Vehicle), Long Island City & 1777 B'way, New York
De Buren, Henri, 174 E 75th, New York
Delaware Machine Works, Wilmington, Del.
De Mooy Bros., 1831 E 55th, Cleveland, O.
Detroit Engine Works, Detroit, Mich.
Detroit Gas Engine & Machine Works, 46 E Congress, Detroit, Mich.
Dingfelder Motor Co., Detroit, Mich.
Doman, H. C. Co., Oshkosh, Wis.
DONEGAN & SWIFT ("Economy"), 6 Murray, New York. (See adv. index, end of book)
Du Brie Motor Co., 436 Guoin, Detroit, Mich.
Duluth Gas Engine Works ("Little Giant"), Duluth, Minn.
Dundon's San Francisco Iron Works, San Francisco, Cal.
Dutton Engineering Co., Perth Amboy, N. J.
Easternhouse Engine Co. ("Pearl"), 35 Vernon, Taunton, Mass.
Eclipse Motor Co., Mancelona, Mich.
Enterprise Machine Co., Minneapolis, Minn.
Erd Motor Co. (Gas), Saginaw, Mich.
Evarts Machine Co. (1½ h. p.), 14 Hicks, Hartford, Conn.
FAIRBANKS, MORSE & CO. (Gasoline & Oil), Wabash av & Eldredge pl. Chicago, Ill. (See adv. index & branch offices, end of book)
Fairfield Motor Co. ("Bull Pup"), Fairfield, Conn.
Fay & Bowen Engine Co., Geneva, N. Y.
Ferro Machine & Foundry Co. (Small Sizes), Cleveland, O.
Fifield Bros. ("Capitol") Milwaukee, Wis.
Filer & Stowell Mfg. Co. ("Beaver"), Milwaukee, Wis.
Fitzhenry, E. L. & Co., 49 Washington, N. Boston, Mass.
Frontier Engine Works, ft of Illinois, Buffalo, N. Y.
Gas Engine & Power Co., & Charles L. Seabury & Co. ("Speedway" also Naphtha), Morris Heights, N. Y.
Globe Iron Works Co. ("White"), Menomonie, Wis.
Goodell, Zina ("Naumkeag"), Salem, Mass.
Gordon, C. C. & Co., Dubuque, Ia.
Gorham Engineering Co., Alameda, Cal.
Grand Rapids Gas Engine & Yacht Co. ("Monarch"), Grand Rapids, Mich.
Grant-Ferris Co., Troy, N. Y.
Gray Motor Co., 2 Leib, Detroit, Mich.
Gray & Prior Machine Co. ("Hartford"), Hartford, Conn.
Great Lakes Engineering Works, Detroit, Mich.
Greenville Implement Co., Greenville, Mich.
Hall Bros. Gas Engine Works, 1120 Sigel, Philadelphia, Pa.
Hall Gas Engine & Mfg. Co., Waukegan, Wis.
Harrington-Wiard Co., Batavia, N. Y.
Harvard Marine & Auto Co. ("Harvard"), Eliot st., Cambridge, Mass.
Hasbrouck Motor Works (4-cycle Marine, etc.), New London, Conn.
Heinel, H. A., Co. ("Diamond" 4 cycle), Wilmington, Del
Hercules Gas Engine Wks., San Francisco, Cal.
Herschell-Spillman Co., North Tonawanda, N. Y.
Hildreth Motor & Pump Co., Lansing, Mich.
Holliday Mfg. & Engineering Co., 160 Bunker, Chicago, Ill.
Holmes Motor Co. (4 Cycle), West Mystic
Horton Boats (Inc.), Rochester, N. Y. Conn
Houle Motor Works, Holyoke, Mass.
Howard Motor Works ("Thoroughbred"), Yonkers, N. Y
Hubbard Motor Co. (2 & 4 cycle), Middletown Conn
Hurd & Haggin ("H. & H."), 316 Hudson, N. Y
Jager, Chas. J. ("Jager" 4-cycle type), 281 Franklin, Boston, Mass.
Kahlenberg Bros., Two Rivers, Wis.
Kneeland Mfg. Co., Battle Creek, Mich.
Kumberger & Vreeland, 33 Sullivan, New York
Lackawanna Mfg. Co. (Valveless Reversible) Newburgh, N. Y
Lake Shore Engine Works ("New Superior" 2 & 4 cycle), Marquette, Mich
Lamb Boat & Engine Co., Clinton, Ia.
Landis, E. M. Gas Engine Works, Toledo, O.
Lathrop, Jas. W. & Co., Mystic, Conn.
Lawrence Machine Co. (2 & 4 cycle), Lawrence, Mass.
Leighton, H. J., Syracuse, N. Y.
Leland & Faulconer Mfg. Co., 480 Trombly av. Detroit, Mich
Light Inspection Car Co., Hagerstown, Ind.
Lozier Motor Co. ("Lozier" 2 & 4-cycle), 55th & B'way, New York
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
Marine Power Co., Milwaukee, Wis.
Maxwell & Fitch Co., Rome, N. Y.
Mead Gas Engine Co., Providence, R. I.
Mianus Motor Works, Mianus, Conn.
Michigan Auto Parts Co., Detroit, Mich.
Michigan Motor Co. (4 cycle), Grand Rapids, Mich.
Michigan Steel Boat Co. (Marine), Detroit, Mich.
Milwaukee Auto Engine & Supply Co., Milwaukee, Wis
Modern Motor & Machine Co., Detroit, Mich.
Montague Iron Works Co. (Gasoline), Montague, Mich
Murray & Tregurtha Co., 340 W 1st, S. Boston, Mass.
New London Motor Co., New London, Conn.
N. Y. Yacht, Launch & Engine Co. ("20th Century"), Morris Heights, N. Y.
Noman, H. C., Co., Oshkosh, Wis.
Owen, E. F. ("Swampscott"), Lynn, Mass.
Page Engineering Co. (Oriole" Gas), 1109 E. York, Baltimore, Md.
Palmer Bros., Cos Cob, Conn.
Palmer-Moore Marine Co., Syracuse, N. Y.
Parker, J. J., Co., 507 Erie, Fulton, N. Y.
Peerless Marine Engine Co. ("Peerless"), Cham. of Commerce, Detroit, Mich.
Perkins Launch & Motor Co. ("Ronomor"), Gloucester, Mass.
Powell Engine Corporation, 49 Warren, New York
Progressive Mfg. Co. ("Eagle" Explosive Type, 2 & 4 Cycle, 1 to 20 H. P.), Torrington Conn.
Pungs-Finch Auto & Gas Engine Co. ("King" & "Sintz"), Detroit, Mich
Rathburn-Lacy Co. ("Ralaco," 4 to 100 h. p.), 920 Water, Toledo, O.
Racine Boat Mfg. Co., Muskegon, Mich.
Regal Gasoline Engine Co., Coldwater, Mich.
R. I. Motor Co., Providence, R. I.
Rice, John V. & Co., Bordentown, N. J.
Roberts Motor Co., Clyde, O.
Rochester Gas Engine Co., Rochester, N. Y.
Royal Equipment Co. ("Royal," 2 & 4 Cycle), Bridgeport, Conn.
St. Clair Motor Co., Detroit, Mich.
St. Joseph Iron Works, St. Joseph, Mich.
Sanderson, Wm., Syracuse, N. Y.
Schaeffer, W. E., Ripon, Wis.
Scheppele Machine Works, Dubuque, Ia.
Scripps Motor Co., Trumbull av, Detroit, Mich.
Seitz, F. A., Co., 149 Freylinghuysen av., Newark, N. J.
Schaefer Mfg. Co., Berlin, Wis.
Sheffield Car Co., Three Rivers, Mich.
Smalley Motor Co. (Ltd.), Bay City, Mich.
Smith Electrical Engineering Co. ("Boynton"), Watertown, N. Y.
Smith & Mabley (Inc.), ("Simplex"), 7th av & 1765 B'way, New York
Spaulding Engine Co. (2 cycle), St. Joseph, Mich
Stamford Motor Co. (Inc.) ("Sneecker"), Stamford, Conn.
Standard Motor Const. Co. (75 H. P. up), 182 Whiton, Jersey City, N. J
Sterling Engine Co. (8 to 100 h. p. & 4 Cycle), Buffalo, N. Y.
Stowe Mfg. Co., Wilmington, Del.
Strelinger, Chas. A. Co. (Launch), 96 Bates, Detroit, Mich
Strelinger Marine Co., 48 E. Fort, Detroit, Mich.
Stuart, John, Co., Wollaston, Mass.
Temple Pump Co., 27 W. 15th Place, Chicago, Ill
Termaat & Monahan Co. (Reversing), Oshkosh, Wis.
Thomas, E. R., Motor Co., Buffalo, N. Y.
Trenton Malleable Iron Co. ("Rice," 2 & 4 cycle), Trenton, N. J.
Truscott Boat Mfg. Co., St. Joseph, Mich.
Union Gas Engine Co. ("Union"), San Francisco, Cal
Union Iron Works, Oskosh, Wis.
United Mfg. Co. ("Little Giant"), Detroit, Mich
United States Engine Works, Oskosh, Wis.
Van Auken-Clevaue Co., Yonkers, N. Y.
Westerfield Motor Co., Anderson, Ind.
Ward-Watson Machine Co. (Warcoat"), Syracuse, N. Y
Waterman Out-Board Motor Co., 23 Griswold Detroit, Mich
Watkins, Frank M., Mfg. Co., 857 W. 6th Cincinnati, Ohio
Western Motor Co. ("Rutenber"), Logansport Ind
White-Blakeslee Mfg. Co., Birmingham, Ala
Woodhaven Motor Works ("Louvet" 2 cycle) Woodhaven, N. Y.
Yocum, A. H., & Co. ("Speedwell"), 216 Court, Reading, Pa.
Young, W. J., Machinery Co. ("Essex"), 418 Union, Lynn, Mass.

*Engines (Marine Railway)

MEAD-MORRISON MFG. CO. (Reversible Compound Geared, etc.), Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)

Engines (Marine, Steam)

(This Trade is a Duplication of Engines, Steam)

American Ship Building Co., Cleveland, O.
Astoria Iron Works (Inc.), Astoria, Ore.
Atlantic Works, 70 Border, E. B., Boston, Mass.
Bartlett, A. F. & Co., Saginaw, Mich.
Bath Iron Works, Bath, Me.
Brown & Miller, Jersey City, N. J.
Burton & Johnson, 2301 Centre, N. W., Cleveland, Ohio.
Chicago Ship Building Co., 101st & Calumet River, Chicago, Ill.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Cramp, Wm. & Sons., Ship & Engine Bldg. Co., Phila., Pa.
Detroit Shipbuilding Co., Detroit, Mich.
Dialogue, Jno. H. & Son, Camden, N. J.
Dodge Bros., Detroit, Mich.
Eastern Ship Building Co., Groton Point, Conn.
ELMES, CHAS. F. ENGINEERING Works (Automatic Electric Light), Fulton c Sangamon, Chicago, Ill. (See adv. index, end of book)
Erie Pump & Engine Co. (Reversing), Erie, Pa.
Evans, C. H. & Co., 183 Fremont, San Francisco, Cal.
Fletcher, W. & A. Co., Hudson & 14th, Hoboken, N. J.
Flynn, W. S., 74 Hudson, Jersey City, N. J.
Forbes, W. D. Co., New London, Conn.
Fore River Ship Building Co., Quincy, Mass.
Golden State & Miners' Iron Works, San Francisco, Cal.
Gunnell Machine Co., Manitowoc, Wis.
Hefferman Engine Works, Seattle, Wash.
Herreshoff Mfg. Co., Bristol, R. I.
Honeyman, J. & Co., Portland, Ore.
Kehoe, Wm. & Sons, Savannah, Ga.
King Iron Works (Trout, Henry G., Prop.), 226 Ohio, Buffalo, N. Y.
Lake City Engineering Co., Erie, Pa.
Lake Erie Engineering Works (High Class), Buffalo, N. Y.
Lea, Thos., New Brunswick, N. J.
Lockwood Mfg. Co., E. B., Boston, Mass.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Dry Dock Co., Manitowoc, Wis.
Maryland Steel Co., Sparrows Point, Baltimore, Md.
Marvel, T. S. Shipbuilding Co., Newburgh, N. Y.
Merrill-Stevens Co., Jacksonville, Fla.
Midvale Steel Co., Main Office & Works, Nicetown Philadelphia, Pa.
Montague Iron Works Co., Montague, Mich.
Moran Co., Seattle, Wash.
MORRIS MACHINE WORKS (1½ to 300 H. P.), Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Nash Bros. & Co., Ogdensburg, N. Y.
New London Marine Iron Works, New London, Conn
Newport News Ship Building & Dry Dock Co., Newport News, Va.
New York Safety Steam Power Co. (Vertical), 114 Liberty, N. Y.
Northwestern Iron Works, Seattle, Wash.
Orr & Sembower, Reading, Pa.
Paine, Jas. H. & Son., Noank, Conn.
Phoenix Iron Works, Portland, Ore.
Pioneer Machine Works (Jas. Hartley, Prop.), 75 Delevan, Brooklyn, N. Y.
Portland Co. (Compound & Triple Expansion), Portland, Me.
Puget Sound Dry Dock Machine Co., Tacoma, Pusey & Jones Co., Wilmington, Del. Wash.
Rae, Robert, 55 Liberty, New York
Risdon Iron & Locomotive Works, San Francisco, Cal.
Rogers, Jno. M. Works, Gloucester City, N. J.
Royal Machine Co., 61 N. J. R. R. av, Newark, N. J.
Schantz & Eckert, Perth Amboy, N. J.
Sheriffs Mfg. Co., Milwaukee, Wis.
Smith, Theodore & Sons Co., foot of Essex, Jersey City, N. J.
Sterling Engine Co., 119 Grant, Buffalo, N. Y.
Stroud, Humphrey Mfg. Co., Hastings, Minn.
Sullivan, Jno. W. (Compound & Triple Expansion), 827 E 9th, New York
Superior Ship Building Co., Superior, Wis.
Terro Machine & Fdry. Co. (Small Size), Cleveland, O.

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Thropp, Jno. E., Sons Co., Trenton, N. J.
Toledo Foundry & Machine Co., Toledo, O.
Toledo Ship Building Co., Toledo, O.
Trout, H. G., 226 Ohio, Buffalo, N. Y.
Union Iron Works Co., San Francisco, Cal.
Vulcan Iron Works Co., Seattle, Wash.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)
White, Robt., Engineering Wks., ft of Columbia Brooklyn, N. Y.
Willamette Iron & Steel Works, Portland, Oregon

Engines (Mining)

(See also Engines, Hoisting; also Engines, Hoisting, Gas & Gasoline; also Hoists; also Locomotives)

Byers, Jno. F. Machine Co., Ravenna, O.
Denver Engineering Works Co. (Direct Acting), Blake & 30th, Denver, Colo.
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
LAMBERT HOISTING ENGINE CO. Main Office and Works, 115 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
Morris, I. P. Co. (Hoisting), Beach c Ball, Phila., Pa.
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
Nordberg Mfg. Co. ("Nordberg" Hoisting Engines: up to any capacity), Milwaukee, Wis.
SHAW, WILLIS CO. (Hoisting), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Traylor Engineering Co. (Hoisting), Allentown, Pa.

Engines Mounted on Wheels

(See Engines, Portable on Wheels)

Engines (Naphtha)

Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights, N. Y.

Engines (Oil)

(See also Engines, Alcohol)

Acme Oil Engine Co., Bridgeport, Conn.
American Diesel Engine Co. (Crude & Fuel Oil), 75 to 225 H.-P.), 11 B'way, New York
American Foundry Co., Lelnsic, O.
American Oil Engine Co. (Kerosene), 57th & B'way, New York.
Ams Max Machine Co. (Kerosene), Mt. Vernon, N. Y.
Atlas Engine Works (Kerosene & Coal Oil, 4 to 30 H. P.), 19th & Martindale av, Indianapolis, Ind.
Charter Gas Engine Co., Sterling, Ill.
Detroit Engine Works, Detroit, Mich.
Corliss Gas Engine Co., 227 Folsom, San Francisco, Cal.
De La Vergne Machine Co. ("Hornsby-Akroyd"), ft E 138th, New York
Economist Gas Engine Co. (Crude Oil), San Francisco, Cal.
Empire State Engineering Co., 149 B'way, New York
FAIRBANKS, MORSE & CO. (Kerosene or Crude Oil), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index, & branch offices, end of book)
Fay & Bowen Engine Co. (Kerosene), Geneva, N. Y.
Grand Rapids Gas Engine & Yacht Co. (Kerosene), Grand Rapids, Mich.
Greendale Gas Engine Co., Worcester, Mass.
Imperial Gas Engine Co. (Crude Oil, up to 120 h. p.), 60 Clementina, San Francisco, Cal.
MARINE ENGINE & MACHINE CO. ("Secor" Kerosene, All Sizes), Main Office: 230 W 13th, New York; Works: Harrison, N. J. (See adv. index & branch offices, end of book)
Meitz & Weiss (Gas or Kerosene), 134 Mott
New York Kerosene Oil Engine Co., 31 Burling slip, New York
Oil Fuel Engine Co., 225 South, New York
Reading Oil & Gas Engine Co., Reading, Pa.
Remington Oil Engine Co. (6 to 40 h. p.), Stamford, Conn
Rochester Machine Tool Works ("Acme"), Rochester, N. Y.
St. Marys Machine Co., St. Marys, O.
Strang Engine Co. (Kerosene, 3, 5 & 7 h. p., 4 Cycle, Vertical Water Cooled), 140 Dearborn, Chicago, Ill.
Temple Pump Co. ("Master Workman"), 27 W 15th pl, Chicago, Ill
Union Gas Engine Co., Oakland, Cal.
Weber Gas Engine Co., 700 Delaware, Kansas City, Mo.
Weidenthal-Gosliner Electric Works (Crude Oil), San Francisco, Cal.

*Engines (Oil Well Drilling)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Engines (Pile Driving)

(See also Engines, Hoisting)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
LAMBERT HOISTING ENGINE CO., 115 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York. (See adv. index & branch offices, end of book)
McKeown, H. J., 248 Butler, Cincinnati, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MEAD-MORRISON MFG. CO., Cambridge, Boston, Mass. (See adv. index & branch offices, end of book)
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)

Engines (Pneumatic)

(See Engines, Compressed Air; also Pneumatic Motors)

Engines (Portable)

This List is duplicated under the head of Engines, Steam.

CALIFORNIA.

SAN FRANCISCO—**LAMBERT HOISTING Engine Co., Stewart & Folsom.** (See adv. index, end of book)
Risdon Iron Works, Stewart & Folsom
Union Iron Works, 20th & Mich.

GEORGIA.

AUGUSTA—Lombard Iron Works & Supply Co.

ILLINOIS.

AURORA—**AMERICAN WELL WORKS.** (See adv. index, end of book)
BELLEVILLE—Harrison Machine Works ("Jumbo")
CHICAGO—**AMERICAN WELL W'KS**, 1st Nat'l Bank bldg. (See adv. index, end of book)
Anderson, Carl Co. (Portable, Gasoline, on Wheels), Huron, n w cor Kingsbury
Bilson, C. H., Co., 359 Lawrence av
LIDGERWOOD MFG. CO. (Hoisting), Old Colony bldg. (See adv. index, end of book)
JOLIET—Bates Machine Co.
PEORIA—Avery Co. ("Avery")
Colean Mfg. Co.

INDIANA.

EVANSVILLE—Hellman Machine Works
INDIANAPOLIS—Atlas Engine Works (10 to 40 h. p.)
Chandler & Taylor Co. (12 to 25 h. p.)
LA PORTE—Rumely, M. Co. (6 to 30 h. p.)
RICHMOND—Gaar, Scott & Co.
Robinson & Co.

IOWA.

BURLINGTON—Murray Iron Works Co. (Semi-Portable)
CHARLES CITY—Hart-Parr Co. (Gasoline)

MASSACHUSETTS.

CAMBRIDGE—**MEAD-MORRISON MFG.** Co. (See adv. index, end of book)

MICHIGAN.

KALAMAZOO—Clark Engine & Boiler Co. (6 to 25 h. p.)
PORT HURON—Port Huron Engine & Thresher Co. (Simplex & Compound)

MISSOURI.

ST. LOUIS — St. Louis Well Machine & Tool Co., S Newstead av & Wabash R. R.

NEW JERSEY.

HARRISON—**NATIONAL HOISTING ENgine Co.** (See adv. index & branch offices, end of book)
JERSEY CITY—Maslin, Jno. & Son, 165 1st

NEW YORK.

ALBANY—Dedericks, P. K. Sons.
AUBURN—McIntosh, Seymour & Co.
BINGHAMTON—Shapley & Wells (3 to 15 h. p.)
NEW YORK—**AMERICAN WELL W'KS**, 2 Stone. (See adv. index, end of book)
LIDGERWOOD MFG. CO. (Hoisting), 96 Liberty. (See adv. index, end of book)
New York Engine Co. (6 to 40 H. P.), 165 B'way.
Works, Watertown, N. Y.
OSWEGO—Ames Iron Works ("Vim," 6 to 50 h. p.)
SCHENECTADY—Westinghouse Co.
WATERTOWN—New York Engine Co. (See New York City)

OHIO.

CINCINNATI—Smith, Myers & Schnier (16 to 50 h. p.), 621 W Front
COLUMBIANA—Enterprise Mfg. Co.
DAYTON—Brownell Co. (2 to 40 h. p.)
MANSFIELD—Aultman & Taylor Machinery Co.
MARION—Huber Mfg. Co.
MASSILLON—Russell & Co.
NEWARK—McNamar Machine Works (8 to 40 h. p.)
Scheidler Machine Works Co. (8 to 40 h. p.)
SPRINGFIELD—Kelly, O. S. Co.

PENNSYLVANIA.

ERIE—Bay State Iron Works
Erie City Iron Works (Throttling, 15 to 55 h. p.; also on Skids)
Erie Engine Works (6 to 50 h. p.)
Nagle Engine & Boiler W'ks (6 to 50 h. p.)
Skinner Engine Co. (8 to 40 h. p.)
KENNETT SQUARE—American Road Machine Co.
OIL CITY—Oil City Boiler Works (Inc. (4 to 40 h. p.)
PITTSBURG — **WESTINGHOUSE MA**chine Co., The (5 to 25 h. p.), Westinghouse bldg. (See adv. index, end of book)
SCRANTON—Allis-Chalmers Co.
TATAMY—Messinger Mfg. Co.
WAYNESBORO—Frick Co.
Geiser Mfg. Co. (On Wheels or Sills)
WILLIAMSPORT—Williamsport Gas Engine Co. (Gas & Gasoline)
YORK—Farquhar, A. B. Co. (4 to 50 h. p.)
Hench & Dromgold Co.

TENNESSEE.

CHATTANOOGA—Walsh & Weidner Boiler Co.
JACKSON—Southern Engine & Boiler Works (Inc.) (Portable, on Wheels)

TEXAS.

DALLAS—**AMERICAN WELL WORKS.** (See adv. index, end of book)

WISCONSIN.

MARINETTE—Stevens, A. W. Co.
RACINE—Case, J. I. Threshing Machine Co.

Engines (Portable Hoisting)

Bacon, Earle C., 26 Cortlandt, New York
Contractors Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index, end of book)
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Lake Shore Engine Works (Geared), Marquette, Mich.
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

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McKeown, H. J., 248 Butler, Cincinnati, O.
MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)

Engines (Portable, on Wheels)

Abernaque Machine Works (Gasoline), Westminster Station
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Ames Iron Works ("Vim," Agricultural), Oswego, N. Y.
Aultman & Taylor Machinery Co., Mansfield, O.
Buffalo Pitts Co., Buffalo, N. Y.
Case, J. I. Threshing Machine Co., Racine, Wis.
Climax Road Machine Co., Marathon, N. Y.
Enterprise Mfg. Co., Columbiana, O.
FAIRBANKS, MORSE & CO. (Gasoline), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Farquhar, A. B. Co. (Ltd.), York, Pa.
Foos Gas Engine Co., Springfield, O.
Gaar, Scott & Co., Richmond, Ind.
Huber Mfg. Co., Marion, O.
Messinger Mfg. Co., Tatamy, Pa.
Salem Iron Works, Winston Salem, N. C.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Union Gas Engine Co. (Gas), San Francisco, Cal.
Williams Bros., Ithaca, N. Y.
Williamsport Gas Engine Co. (Gas and Gasoline), Williamsport, Pa.

Engines (Pumping)

(See Pumping Machinery)

Engines (Pumping, Gas & Gasoline)

(See also Engines, Gas & Gasoline)

Advance Mfg. Co., Hamilton, O.
Allman Gas Engine & Machine Co., 29 Sullivan, New York
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Brown-Cochran Co., Lorain, O.
Buckeye Engine & Foundry Co., Joliet, Ill.
Capital City Gas Engine Co.
Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Columbus Machine Co., Columbus, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Famous Mfg. Co., East Chicago, Ind.
Foos Gas Engine Co., Springfield, O.
Flinchbaugh Mfg. Co., York, Pa.
Globe Iron Works Co., Menomonie, Wis.
Holliday Mfg. & Engineering Co., 160 Bunker, Chicago, Ill.
International Harvester Co. of America (Gasoline), Chicago, Ill.
KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)
Lambert Gas & Gasoline Engine Co., Anderson, Ind.
McCOY, HENRY J. CO., 63 & 67 Dev. New York. (See adv. index, end of book)
Model Gas Engine Works, Peru, Ind. son, Ind.
Montague Iron Works Co. (Gasoline), Montague,
New Era Gas Engine Co., Dayton, O. Mich.
New Way Motor Co., Lansing, Mich.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Olds Gas Power Co., Lansing, Mich.
Otto Gas Engine Works (Gas), 33d & Walnut,
Peerless Motor Co., Lansing, Mich. Phila., Pa.
Regnl Gasoline Engine Co., Coldwater, Mich.
Root & Vandervoort Engineering Co., East Moline, Ill.
Springfield Gas Engine Co., Springfield, O.
Standard Pump & Engine Co., Cleveland, O.
Stickney, Chas. A. Co. (for Railroad Service, etc.), St. Paul, Minn.
Stover Engine Works, Freeport, Ill.
Warner Elev. Mfg. Co. ("Warner"), Warner, Ill.
Waterous Engine Works Co., St. Paul, Minn.
Weber Gas Engine Co., Kansas City, Mo.
Weinman Machine Works, Columbus, Ohio.
White-Blakeslee Mfg. Co., Birmingham, Ala.
Witte Iron Works Co., Kansas City, Mo.
Williamsport Gas Engine Co., Williamsport, Pa.

Engines (Reversing)

(See also Engines, Rolling Mill)

ALLIS-CHALMERS CO. (Horizontal & Vertical), Milwaukee, Wis. (See adv. index & branch offices, end of book)
BUCKEYE ENGINE CO., Salem, O. (See adv. index & branch offices, end of book)
Mackintosh, Hemphill & Co., ft. of 12th, Pitts
Mesta Machine Co., Pittsburg, Pa. burg, Pa.
Nordberg Mfg. Co., Milwaukee, Wis.
Southwark Foundry & Machine Co., Passyunk Station, Philadelphia, Pa.
Tod, Wm. Co. (Twin Cylinder and Twin Tandem Compound), Youngstown, O
Wellman-Seaver-Morgan Co., Cleveland, O.

*Engines (Rocking Valve)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Engines (Rolling Mill)

(See also Rolling Mill Machinery)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end
Cooper, C. & G. Co., Mt. Vernon, O. of book)
Frick Co., Waynesboro, Pa.
Hooven, Owens & Rentschler Co., Hamilton, O
Lane & Bodley Co., Cincinnati, O.
Mackintosh, Hemphill & Co. (also Blast Furnace), Pittsburg, Pa.
Mesta Machine Co., Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Newhold, R. S. & Son Co., Norristown, Pa.
Nordberg Mfg. Co., Milwaukee, Wis.
Portland Co., Portland, Me.
Reading Iron Co., Reading, Pa.
St. Louis Iron & Machine Works, St. Louis, Mo.
Southwark Foundry & Machine Co., Phila., Pa.
Tod, Wm. Co., Youngstown, O.
Wellman-Seaver-Morgan Co., Cleveland, O.
Wisconsin Engine Co., Corliss, Wis.

Engines (Self-Oiling)

Erie Mfg. & Supply Co. ("Erieco"), Erie, Pa.
Russell Engine Co., Marsillon, O.

Engines (Steam)

All other Lists of Engine Builders in this book are duplicates of this List, excepting Engines, Gas & Gasoline of various kinds, and Engines, Traction; Engines, Oil; Engines, Hot Air; Engines, Hoisting, & Locomotive Builders.

ALABAMA.

BIRMINGHAM—Birmingham Machine & Foundry Co., E B'ham
Continental Gin Co. (Inc.)
Hardie-Tynes Mfg. Co.
Williamson Iron Co.
MONTGOMERY—Janney & Co.
SELMA—Peacock's Iron Works
Union Iron Works Co.

ARKANSAS.

FORT SMITH—Ketcham Iron Co.
LITTLE ROCK—Wehrfritz, E. C. Machinery & Wing & Stephens Co. Supply Co.

CALIFORNIA.

GRASS VALLEY—Taylor Foundry & Engineering Co.
LOS ANGELES—Fulton Engine Works, Quieroln & Chavez
Union Iron Works, Moline c Palmetto
SAN FRANCISCO—California Hydraulic Engineering & Supply Co., 305 Market
Cyclops Iron Works, 223 Main
Evans, C. H. & Co. (Marine), 181 Fremont
Garratt, W. T. & Co., 138 Fremont
Golden State & Miners' Iron Works, 231 1st
Hendy, Joshua Iron Works (Automatic & Corliss)
Jackson, Byron, Iron Works, (Cross Compound), 411 Market
Krogh Mfg. Co., 15 Beale
Murray Bros. Machine Works, 231 Folson
Ohmen Engine Works, 17th & Capp
Risdon Iron Works, Steuart c Folsom
Union Iron Works Co. (Automatic), Po-
Vulcan Iron Works, 004 Mission tret
STOCKTON—Globe Iron Works (Inc.)
Stockton Iron Works

COLORADO.

DENVER—Card, C. S. Iron Works Co., 1437 Blake
Davis, F. M. Iron Works Co., 723 Larimer
Denver Engineering W'ks Co., Blake c 30th
McFarlane Mfg. Co.
Stearns-Roger Mfg. Co., 1718 California

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co. & ("Corliss" or "Green Wheelock")
Coulter & McKenzie Machine Co. (Marine)
Pacific Iron Works (Inc.) (Automatic)
DERBY—United States Rapid-Fire Gun & Power Co. ("Francke")
NEW BRITAIN—New Britain Machine Co. ("The Case" Automatic)
NEW HAVEN—Rowland Machine Co.
Twiss, N. W. (Automatic), 28 Whitney av
NEW LONDON — New London Marine Iron New London Gas & Electric Co. Works

DELAWARE.

WILMINGTON—Harlan & Hollingsworth Corporation (Marine or Stationary), ft of
Pusey & Jones Co. (Stationary) West

FLORIDA.

JACKSONVILLE—Merrill-Stevens Co. (Marine)

GEORGIA.

ATLANTA—Fulton Foundry & Machine Wks
MACON—Schofield, J. S. Sons Co.
NEWNAN—Cole, R. D. Mfg. Co.
SAVANNAH—Kehoe, Wm. & Sons

ILLINOIS.

AURORA—**AMERICAN WELL WORKS,** (See adv. index, end of book)
BELLEVILLE—Harrison Machine W'ks ("Jumbo")
CHICAGO—**BUCKEYE ENGINE CO. (of** Salem, O.), 204 Dearborn. (See adv. index, end of book)
Chicago Ship Building Co. (Marine), 101st & Calumet River
FAIRBANKS, MORSE & CO., c. Franklin & Monroe. (See adv. index, end of book)
Haberkamp, Wm., 67 Wells
New York Blower Co. (Side & Center Crank), 25th pl & Stewart av; Works: Bucyrus, O.
SHAW, WILLIS CO. (New & Second-Hand), 171 La Salle. (See adv. index, end of book)
Sullivan Machinery Co., R'y Exch bldg
Vulcan Iron Works (Yacht & Tow Boat) 28 N Irving av
Wachs, E. H., Co. (Vertical), 160 Indiana
WESTINGHOUSE MACHINE CO. (of Pittsburg, Pa.), 171 La Salle
DECATUR—Oakes, Wm. L.
GALENA—Westwick, John & Son (2 to 20 h. p.)
GALESBURG—Frost Mfg. Co. (Automatic & Throttling, up to 200 h. p.)
JOLIET—Bates Machine Co. (Automatic & Throttling, up to 200 h. p.)
LITCHFIELD—Litchfield Foundry & Machine Co.
MATTOON—Chase Engine & Mfg. Co.
PEORIA—Armstrong, Jas. C., Machine & Avery Co. Foundry Co.
Colean Mfg. Co.
SPRINGFIELD—Ide, A. L. & Sons ("Ideal" Automatic Self-Oiling, Simple & Com-
STREATOR—Graves, I. L. pound)

INDIANA.

ANDERSON—Anderson Foundry & Machine Works
ANGOLA—Angola Engine & Foundry Co.
BLUFFTON—Grimes, G. W. Co.
BRAZIL—Crawford & Mc Crimmon Co.
EVANSVILLE—Grote Mfg. Co.
Heilman Machine Works
Holtz, Ferdinand Co.
FORT WAYNE—Fort Wayne Foundry & Machine Co. (Automatic)
INDIANAPOLIS—Atlas Engine Works (Automatic, 10 to 2,500 h. p.)
Chandler & Taylor Co. (Automatic Cut-Off, Plain Slide Valve, Tandem Compounds, Single Valve, Throttling, Simple, Self-Contained, Heavy Duty, Splash Oiling, High Speed, etc.)
Howe Engine Co., c Hillside & Bloyd ave
Sinker-Davis Co., 270 S Missouri
LAFAYETTE — Wallace Machine & Foundry Co.
RICHMOND—Gaar, Scott & Co. (Ltd.)
Quaker City Machine Co.
Robinson & Co.
TERRE HAUTE—O'Neil & Son

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IOWA.

BURLINGTON—Murray Iron Works Co. (Center Crank, etc.)
CEDAR RAPIDS—Carmody, J. T.
COUNCIL BLUFFS—Sprague Foundry & Mfg. Co. ("Ogden" Automatic)
DES MOINES—Des Moines Mfg. & Supply Co.
MARSHALLTOWN—Shorthill, A. E. Co.
OTTUMWA—Ottumwa Iron Works (also Air)

KANSAS.

ABILENE—Parker, C. W.
ENTERPRISE—Ehrsam, J. B. & Sons Mfg. Co.
KANSAS CITY—Riverside Iron Works Co.

KENTUCKY.

COVINGTON — Houston, Stanwood & Gamble Co. (Throttling, Standard, Duty, etc.)
LEXINGTON—Lexington Engine & Saw Mill Works
LOUISVILLE—Grainger & Co., 129 10th
Vogt, Henry Machine Co.

LOUISIANA.

NEW ORLEANS—Connell, J. D. Iron Works Co.
Johnson Iron Works (Ltd.), Julia & Delta
Murphy, Jno. H., 633 Magazine
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.

MAINE.

BATH—Bath Iron Works
HALLOWELL—Davenport, S. F. (Yacht) Fuller's, G. Sons
MECHANIC FALLS—Penney, J. W. & Sons Co. (Automatic, 8 to 35 h. p.)
PORTLAND—Adde & Co., 59 Kennebec
Orr & Jennings, 311 Fore
Portland Co. (10 to 300 h. p.), 58 Fore

MARYLAND.

BALTIMORE—Basshor, Thomas C., Co., 28 Light
Codd, E. J. & Co., 700-708 S Caroline, Baltimore, Md.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette. (See adv. index, end of book)
Murray, James & Son, 102 E York
Zies, Chas. & Sons, 318 S Fremont av
CUMBERLAND—McKaig, Merwin (10 to 100 h. p.)
SPARROWS POINT—Maryland Steel Co. (Marine, etc.)

MASSACHUSETTS.

BOSTON—Atlantic Works (Marine), 70 Border. E. B
Bertelson & Peterson Engineering Co., 140 Border, E. B.
Fitzhenry, E. L. & Co., 49 Wash'n. N.
Lockwood Mfg. Co. (Marine), E. Boston
McLaughlin, Geo. G. Mfg. Co. (Automatic), 812 E. 6th
BRIDGEWATER—Continental Gin Co. (Inc.)
CAMBRIDGE—**MEAD-MORRISON MFG. Co.** (See adv. index, end of book)
FITCHBURG—Brown, C. H. Engine Co. (Automatic)
Fitchburg Steam Engine Co. ("Fitchburg," Automatic, Simple & Compound Vertical, Horisontal & High Speed)
Putnam Machine Co. (Automatic, 20 to 650 h. p.)
HOLYOKE—Perkins, B. F. & Sons
HYDE PARK—Sturtevant, B. F. Co.
LAWRENCE—Lawrence Machine Co.
Lawrence Pump & Engine Co.
QUINCY—Fore River Ship Building Co. (Marine)
SPRINGFIELD—Ford, H.
Hannan-Finton Co.
TAUNTON—Mason Machine Works
WORCESTER—Burlingame, A. Co. (High Speed Automatic & Semi-Portable)
Union Machine Co. (3 to 30 h. p.), 161 Union

MICHIGAN.

ALMA—Montigel, J. M.
ALPENA—Kline, Lewis T.
BAY CITY—Marine Iron Co.
COMSTOCK—Comstock Mfg. Co. ("Climax" Automatic High Speed, Self Contained Center Crank)
DETROIT—American Blower Co., Atwater & Orleans
Detroit Shipbuilding Co.
Detroit Steam Engine Co. ("McLachlan")
Dodge Bros., 240 Monroe av
Fuller Co. ("Cornish Cycle" High Speed Automatic or Throttling)
Great Lakes Engineering Works, 308 Atwater e
Murphy Iron Works, ft Walker
GRAND RAPIDS—Leitelt, Adolph Iron Works
HANCOCK—Portage Lake Foundry & Machinery Co. (Stationary & Marine)
KALAMAZOO — Clark Engine & Boiler Co. (Horizontal & Vertical, up to 125 h. p.)
LAPEER—McDonald's, Wm. Sons
MANISTEE—Manistee Iron Works Co. (Twin Feed)
MARQUETTE—Lakeshore Engine Works (Inc.)
MONTAGUE—Montague Iron Works Co.
MUSKEGON—Rodgers Iron Mfg. Co.
PETOSKEY—Middlediteh, Philip
SAGINAW—Bartlett, A. F. & Co. (Corliss, Slide Valve & Hoisting, etc.)
Jackson & Church Co. (Automatic)
Wickes Bros.
ST. JOHNS—Richmond & Holmes

MINNESOTA.

DULUTH—Northwestern Steam Boiler & Mfg.
MANKATO—Mankato Mfg. Co. Co.
MINNEAPOLIS—**MINNEAPOLIS STEEL & Machinery Co.** (Corliss). (See adv. index, end of book)
Wallof, E. G. Machine Works, 1700 N Washington av

MISSISSIPPI.

CORINTH—Adams, W. T. Machine Co.
Corinth Engine & Boiler Works

MISSOURI.

JOPLIN—United Iron Works Co.
KANSAS CITY—Strait, H. N. Mfg. Co. (Corliss, etc.)
ST. LOUIS—Fritz, Geo. J. Foundry & Machine Co., 2008 S 3d
Fulton Iron Works (Corliss, 30 to 5,000 h. p.), 2d & Carr
Johnson-Robinson Mach'y Co. (Corliss), 717 Kingsland Mfg. Co., 1521 N 11th N 2d
Ramming, Jno., Machine Co. (Corliss Automatic & Slide Valve), 300 S Main
St. Louis Iron & Machine Works (Corliss), 126 Chouteau av
St. Louis Steam Engine Co., 16 S Commercial

NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
LINCOLN—Smith, R. L. Machine Works
OMAHA—Drake-Williams-Mount Co.

NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.
NASHUA—Rollins Engine Co. (Automatic Cut-Off, 20 to 600 h. p.)

NEW JERSEY.

BOUND BROOK—American Engine Co. (American Ball Duplex Compound & Automatic)
BRIDGETON—Cox & Sons Co. (of Phila., Pa.)
CAMDEN—Dialogue, Jno. H. & Son (Marine)
New York Ship Building Co.
ELIZABETH—Ball & Wood Co. (Automatic)
GLOUCESTER CITY—Rogers, John M. Works (Marine)
HOBOKEN—Fletcher, W. & A. Co., 3d c Hud
Forbes, W. D. Co., 1300 Hudson son
JERSEY CITY—**GRISCOM-SPENCER CO.** ("Russell" Automatic & 4 Valve Engines), Grand & Sussex. (See adv. index, end of book)
Miller, Alex. & Bro., ft Morris
Smith, Theo. & Sons Co., ft Essex
NEWARK—Currier, Cyrus & Sons, 365 Market
Hewes & Phillips Iron Works, Orange c Ogden
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect. (See adv. index, end of book)
Skinner & Leary, 5 Railroad pl
WALSH'S SONS & CO. (See adv. index, end of book)
Watts-Campbell Co. (Improved Corliss), 296 Ogden
PERTH AMBOY—Schantz & Eckert (Marine, etc.)
TRENTON—MacKenzie's Duncan Sons Co.
Reeves Foundry Co. (Vertical, Cross, Compound & Horizontal Single Cylinder)
Thropp, John E. Sons Co. (Marine), ft of Lewis

NEW YORK.

ALBANY—Breslin Bros. 68 Church
Skinner & Arnold Co. (Marine & Stationary), 199 B'way
AUBURN—McIntosh, Seymour & Co. (Automatic, Compound, Triple Expansion, Tandem, etc.)
BALDWINSVILLE — **MORRIS MACHINE Works** (1½ to 350 h. p.). (See adv. index, end of book)
BELMONT—Clark Bros. Co.
BINGHAMPTON—Shapley & Wells (8 to 20 h. p.)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Engine Co., 272 Michigan
Buffalo Forge Co. (High Speed Automatic), 480 B'way
Buffalo Foundry & Machine Co.
Buffalo Pitts Co.
Buffalo Tool & Machine Co., 176 Terrace
Farrar & Trefts (4 to 80 h. p.), 65 Perry
Frontier Engine Works, ft of Illinois
KEIM, JNO. B. MILLS (Inc.), (Twin Cylinder, up to 10 h. p.) (See adv. index, end of book)
Lake Erie Engineering Works (100 to 10,000 h. p.)
Queen City Engineering Co., 49 Illinois
Ruger, J. W. Mfg. Co., 228 Chicago
Whitman Mfg. Co., 180 Ohio
CLYDE—Wood, S. W. & Son
FISHKILL ON THE HUDSON—Fishkill Landing Machine Co. (Corliss)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Pioneer Iron Works, 149 Pio-
Pioneer Machine Works, 75 Delevan neer
White, Robt. Engineering Works, ft of Columbia

Boroughs of Manhattan & Bronx.

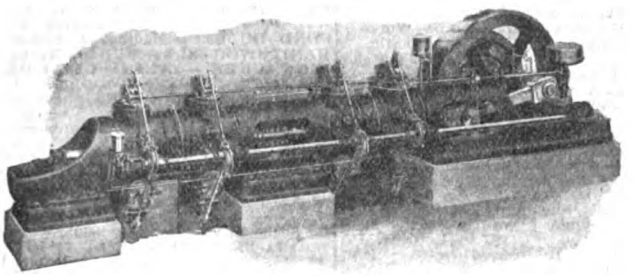
NEW YORK—**AMERICAN WELL W'KS,** 2 Stone. (See adv. index, end of book)
American & British Mfg. Co. (of Providence, R. I.) 165 Broadway
Ames Iron Works (16 to 100 h. p.), 85 Liberty, Works, Oswego, N. Y.
Bass Foundry & Machine Co., 100 B'way Works, Fort Wayne, Ind.
Bates Machine Co., 90 West. Works, Joliet, Ill.
BEGGS, JAMES & CO. (Vertical & Horizontal), 109 Liberty. (See adv. index, end of book)
BUCKEYE ENGINE CO., 39 Cortlandt, Works: Salem, O. (See adv. index, end of book)
Christie Iron Works, 518 E 18th
De La Vergne Machine Co., 138th & E. R.
DONEGAN & SWIFT ("Swifts' Metropolitan" Horizontal), 6 Murray. (See adv. index, end of book)
Erie Engine Works (of Erie, Pa.), 50 Church
Fitchburg Steam Engine Co., 165 B'way. Works: Fitchburg, Mass.
Frick Co., 80 Cortlandt. Works: Waynesboro, Pa.
Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights
GRISCOM-SPENCER CO. ("Russell" Automatic & 4 Valve Engines), 90 West. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
Hamilton-Low Co. (to Order Only), 145 E 42d
Harrisburg Foundry & Machine Works, 114 Liberty, Works, Harrisburg, Pa.
Hooven, Owens, Rentschler Co. (100 to 500 h. p.), 89 Cortlandt. Main Office: Hamilton, O.

ENGINES —ALL— STYLES

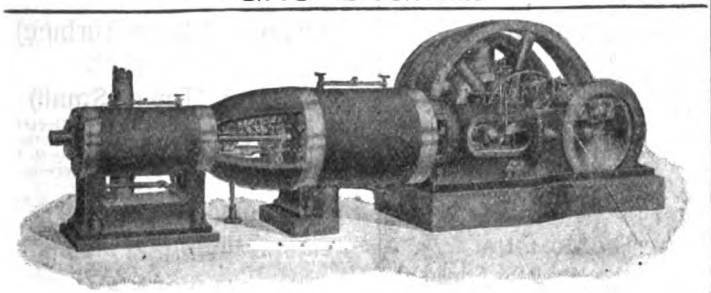
ACME VERTICAL and METROPOLITAL HORIZONTAL SELF-CONTAINED SIDE CRANK ENGINES. VERTICAL & HORIZONTAL CENTRE CRANK AND AUTOMATIC HIGH SPEED ENGINES. Write for Catalog.

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Four-Stroke Cycle, Double Acting Tandem
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Tandem Compound Direct Connected
STEAM ENGINE.

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Houston, Stanwood & Gamble Co., 42 B'way
Works: Covington, Ky.
HOWARD & MORSE ("Solano" High Speed), 45 Fulton. (See adv. facing first page of Index of Contents)
Ide, A. L. & Sons (of Springfield, Ill.), 11 B'way
LAMBERT HOISTING ENGINE CO. (of Newark, N. J.), 30 Church. (See adv. Index, end of book)
McIntosh, Seymour & Co., 50 Church.
Works: Auburn, N. Y.
MacKenzie, Quarrier & Ferguson, 114 Liberty
New York Engine Co. (High Speed, Corliss, Throttling & Slow Speed Single, Double & Four Valve & Automatic), 165 Broadway. Works, Watertown, N. Y.
N. Y. Safety Steam Power Co. ("Automatic," 15 to 200 h. p.), 114 Liberty
Oil City Boiler Works (Inc.) (of Oil City, Pa.) (20 to 150 h. p.), 39 Cortlandt
Phoenix Iron Works Co. (Automatic, 20 to 600 h. p.), 135 B'way, Works: Meadville, Pa.
Providence Engineering Works (of Providence, R. I.), 50 Church
Rothchild Engine Co., 102 Centre
St. Louis Iron & Machine Works (of St. Louis, Mo.), 135 B'way
Skinner Engine Co. (of Erie, Pa.), 90 West
Star Drilling Machine Co. (Upright) (of Akron, O.), 104 Fulton
Straight Line Engine Co. (of Syracuse, N. Y.), 90 West
Struthers-Wells Co., 50 Church. Works, Warren, Pa.
Sturtevant, B. F. Co., 131 Liberty. Works, Hyde Park, Mass.
Sullivan, Jno W. (Marine), 827 E 9th
WESTINGHOUSE MACHINE CO., The, 8 Bridge; Works: East Pittsburg, Pa.
Wisconsin Engine Co. (of Corliss, Wis.), 95 Liberty

Borough of Queens.

LONG ISLAND CITY—L. I. Machine & Marine Construction Co., ft of East av
(End of New York City)

OGDENSBURG—Nash Bros. & Co.
OSWEGO—Ames Iron Works ("Vim & Regel" Automatic, Regel Throttling, Automatic High Speed, 10 to 500 h. p.)
Kingsford Foundry & Mach. Works
ROCHESTER—Rochester Machine Tool Works
SYRACUSE—Barber Bros., 500 E Water
Sanderson, Wm., 307 W Willow
Straight Line Engine Co. (25 to 125 h. p), 218 S Geddes
Syracuse Supply Co., Syracuse, N. Y.
TONAWANDA—Gillis Machine Co.
Mahar, Jno.
TROY—Knowlson & Kelly
UTICA—Utica Steam Engine & Boiler Works
VERNON—Pohl, Geo. D. Mfg. Co.
WATERTOWN—New York Engine Co. (See New York City)
WELLSVILLE—Clark & Norton Mfg. Co.
McEwen Bros. (5 to 50 h. p.)

NORTH CAROLINA.

CHARLOTTE—Liddell Co. (Inc.) (Automatic)
Mecklenburg Iron Works
GREENSBORO—Sergeant Mfg. Co.
HIGH POINT—High Point Machine Works
WINSTON SALEM—Salem Iron Works (Centre Crank)

OHIO.

AKRON—Star Drilling Machine Co. (Upright)
Star Drilling Machine Co. (Upright)
Taplin, Rice, Clerkin Co.
Wellman-Seaver-Morgan Co. (Automatic, Corliss, Hoisting, etc.)
BUCYRUS—New York Blower Co. (Side & Center Crank). See Chicago, Ill.
CANTON—Knight Mfg. Co.
CINCINNATI—**BUCKEYE ENGINE CO.** (of Salem, O.), 111 Ingalls bldg. (See adv. index, end of book)
Frisbie Engine & Machine Co., 85 E Water
Fritsch, Francis Mfg. Co., 223 W McMicken av
Greenwald, I. & E. Co. (Automatic & Throttling, Simple & Compound), 720 E Pearl
Lane & Bodley Co. (Slide Valve, etc.)
Randle Machinery Co., Power & C. H. & D. R'y
Smith, Myers & Schnier Co., 621 W Front
Steigert, Leopold, cor Elder & Logan
CLEVELAND—American Ship Building Co. 2017 Bruce-Macbeth Engine Co. Superior av
BUCKEYE ENGINE CO. (of Salem, O.), New England bldg. (See adv. index, end of book)
Kilby Mfg. Co. (Automatic), 49th & Lakeside av
Lord, Bowler Co., 1004 Center av
McMyler Mfg. Co., 1799 Columbus rd, N. W.
Ohio Blower Co., 324 Prospect av
Wellman-Seaver-Morgan Co. (Automatic, Corliss, Hoisting, etc.)
COLUMBIANA—Enterprise Mfg. Co. (Automatic, 25 to 200 h. p.); Center Crank, 25 to 45 h. p.)
DAYTON—Brownell & Co. (Automatic & Dayton Engine Works Slide Valve)
HAMILTON—Hooven, Owens, Rentschuler Company
IRONTON—Ironton Engine Co. ("Allfree," High Speed)
LIMA—Golley & Finley Iron Works
MANSFIELD—Aultman & Taylor Machinery Co.
MARIETTA—Pattin Bros. Co.
MARION—Huber Mfg. Co. (Single & Double, 5 to 80 h. p.)
MASSILLON—Russell Engine Co. (Automatic, Self-Oiling, Four Valve & Single Valve)
MOUNT VERNON—Cooper, C. & G. Co. ("Corliss", "Rolling Mill")
NELSONVILLE—Nelsonville Foundry & Machine
NEWARK—McNamar Machine Works Co.
Scheidler Machine Works Co.
POMEROY—Pomeroy Machine Co.
SALEM—**BUCKEYE ENGINE CO.** (Automatic, etc., 15 to 10,000 h. p.). (See adv. index, end of book)
SPRINGFIELD—Kelly, O. S. Co.
Leffel, James & Co. (Automatic, 10 to 50 h. p., also Throttling)
TOLEDO—Toledo Foundry & Machine Co., 202-Toledo Ship Building Co. 218 Cherry
WARREN—McMyler Mfg. Co.
WELLSVILLE—Stevenson Co.
YOUNGSTOWN—United Engineering & Foundry Co.
ZANESVILLE—Griffith & Wedge Co.

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OREGON.

ALBANY—Albany Iron Works
ASTORIA—Astoria Iron Works
PORTLAND—Honeyman Hardware Co., 301 Front
Phoenix Iron Works (Marine), Hawthorne av & E 3d
Portland Iron Works, 405 Northrup
Willamette Iron & Steel Works

PENNSYLVANIA.

BANGOR—**FLORY, S. MFG. CO. (Slide Valve, etc.).** (See adv. index, end of book)
BRADFORD—Bovaird & Co.
Bovaird & Seyfang Mfg. Co.
Caldwell, E. R. & Co.
BUTLER—Evans Mfg. Co.
CHAMBERSBURG—Chambersburg Engineering Co.
CHESTER — **WETHERILL BROS.** Machine Co. (See adv. index, end of book)
Wetherill, Robt. & Co. (Stationary)
CONNELLSVILLE—Connellsville Machine & Car Co.
CORRY—Ajax Iron Works
Climax Mfg. Co. (Double Cylinder Automatic High Speed)
DANVILLE—Danville Foundry & Machine Co.
DUBOIS—DuBois, John E.
EAST STROUDSBURG—Stauffer, Geo. E.
ERIE—Ball Engine Co. (Single Valve, Automatic, 25 to 600 h. p.)
Bay State Iron Works
Erie City Iron Works (Four Valve Automatic Cut-off, High & Medium Speed, Single Valve, Automatic Cut-off & Throttling Governor Engines)
Erie Engine Works (Automatic Cut-off, etc.)
Erie Mfg. & Supply Co. ("Erieo" Self Oiling, Automatic)
Erie Pump & Engine Co.
Link, E. M. Machinery Co.
Nagle Engine & Boiler Works (6 to 50 h. p.)
Skinner Engine Co. ("Automatic," 8 to 60 h. p.)
HAMBURG—Sneli & Meharg
HARRISBURG—Harrisburg Fdy. & Machine Works ("Fleming" Side & Center Crank, Automatic)
KENNETT SQUARE—American Road Machine Co.
LANCASTER—Central Machine Works (Horizontal Slide Valve)
LEBANON—Weimer Machine Works Co.
MAHANOY CITY—Grant Iron Works
MEADVILLE—Phoenix Iron Works Co. (Automatic, 20 to 600 h. p.)
MOUNT CARMEL—Mount Carmel Iron Wks.
NORRISTOWN — Newbold, R. S. & Son Co. (Slide Valve)
OIL CITY—Oil City Boiler Works (Inc.) (20 to 150 h. p.)
Oil Well Supply Co.
PHILADELPHIA—Baizley, Jno. Iron Works, 514 S Del av
Corliss Engine Works, 4041 N 5th
Cramp, Wm. & Sons Ship & Engine Bldg. Co. (Marine)
GRISCOM-SPENCER CO. ("Russell" Automatic & 4 Valve Engines), ft Washington av. (See adv. index, end of book)
Naylor, Jno. S., Front c Girard av
Rich, J. & G., 120 N 6th
Southwark Foundry & Machine Co. ("Porter"—"Allen," Automatic, 4 Valve) Washington av.
PITTSBURG—**BUCKEYE ENGINE CO.** (of Salem, O.), Arrott bldg. (See adv. index, end of book)
CARLIN'S, THOS. SONS, CO., 1610 River av (North Side). (See adv. index, end of book)
Combination Engine Co., 3148 Penn av.
Mackintosh, Hemphill & Co. (Heavy Rolling Mills, etc.), ft of 12th
Mesta Machine Co.
Milholland, J. & J. B. Co. (Hoisting, hauling, etc.) 718 5th av
Munroe, R. & Sons Mfg. Corporation, 23d & Smallman
OIL WELL SUPPLY CO., 215 Water. (See adv. index, end of book)
Phillips & McLaren, 24th & Smallman
Rees, Jas. & Sons Co., 4th & Duquesne way
WESTINGHOUSE MACHINE CO., The, Westinghouse bldg. (See adv. index, end of book)
POTTSVILLE—Sparks & Parker
READING—Greth Machine Works (Inc.), (8 to 15 h. p.)
Orr & Sembower (Inc.)
Reading Iron Co.
Reading Scale & Machine Co.
RIDGWAY—Ridgway Dynamo & Engine Co. (McEwen)
SCOTTDALE—Scottdale Foundry & Machine Co. (Corliss)
SCRANTON — **ALLIS-CHALMERS CO.** (See adv. index, end of book)
Finch Mfg. Co.
SHAMOKIN—Mullen, John & Son
STROUDSBURG—Stroudsburg Engine Works
TATAMY—Messinger Mfg. Co. (Automatic, 8 to 25 h. p.)
TITUSVILLE—Titusville Iron Co.
Young, E. R. & Sons
TROY—Troy Engine & Machine Co. (Jno. A. Parsons, Prop.)
TYRONE—Stine, J. G. Co. (Haulage, etc.)
WARREN—Struthers-Wells Co. (80 to 70 h. p.)
WAYNESBORO—Frick Co. (Automatic)
Geiser Mfg. Co. ("Old Honesty," 8 to 30 h. p.)
WILKES-BARRE—Shepherd Engineering Co. (Heavy Duty-Single & Multiple Expansion, 10 to 1,000 H. P.)
WILLIAMSPORT — Rothfuss-Howard Iron Works
Valley Iron Works (Inc.) (Automatic, High Speed, Electric, Enclosed, Self-Oiling)
YORK—Farquhar, A. B. Co. (Ltd.) (Centre Crank)
Hench & Dromgold Co.
Motter, Geo. F. & Sons
York Mfg. Co.

RHODE ISLAND.

BRISTOL—Herreshoff Mfg. Co. (Marine)
HOPE VALLEY—Nichols & Langworthy Ma-
PAWTUCKET—Cole Bros chine Co.
PROVIDENCE—American & British Mfg. Co. ("Corliss" or "Green Wheelock")
Cruickshank Engine Co., 286 Dyer
Excelsior Steam Eng. & Machine Co., 32
Fuller Iron Works Friendship
Harris, Wm. A. Steam Engine Co. (Corliss)
Providence Engineering Works ("Rice" & "Sargent" & Improved "Greene")

SOUTH CAROLINA.

ANDERSON—Anderson Machine & Foundry Co.
CHARLESTON—Charleston Iron Works
Valk & Murdoch Iron Works
COLUMBIA—Willis, John A.
SPARTANBURG—Morgan Wood & Iron Works

TENNESSEE.

CHATTANOOGA—Casey-Hedges Co.
Lookout Boiler & Mfg. Co.
Walsh & Weidner Boiler Co.
Wheland Machine Works (Centre & Slide Valve)
JACKSON—Southern Engine & Boiler Works (Corliss Slide Valve & Center & Side Crank)
MEMPHIS—Chickasaw Iron Works
Ellis, Wm. C. & Sons, Iron Works, 439 Shelby
NASHVILLE—Nashville Machine Co.
Stewert & Bruckner Co.

TEXAS.

DALLAS—**AMERICAN WELL WORKS.** (See adv. index, end of book)
EL PASO—**MINNEAPOLIS STEEL &** Machinery Co., 505 Guaranty Trust Bldg. (See adv. index, end of book)
FORT WORTH—Van Zandt-Moore Iron Works
GALVESTON—Astall Iron Works Co.
McDonough Iron Works
Walsh & Cleary
SHERMAN—Washington Iron Works

UTAH.

SALT LAKE CITY—Silver Bros. Iron Works Co.
Trent Engineering & Machinery Co.

VIRGINIA.

ALEXANDRIA—Aitcheson, J. & H.
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Marine)
NORFOLK—Duvall Geo. W. & Co.
Godwin, Thos. W. & Co.
Smith & McCoy

WASHINGTON.

SEATTLE—Heffernan Engine Works
Moran Co.
Northwestern Iron Works
Vulcan Iron Works
Washington Iron Works Co. (Slide Valve)
SPOKANE—National Iron Works (Inc.)
Union Iron Works (Inc.)
TACOMA—Puget Sound Iron & Steel Works, A c 21st

WEST VIRGINIA.

CLARKSBURG—Osborne, J. F. & Sons
PARKERSBURG—U. S. Engine Co.

WISCONSIN.

CORLISS—Wisconsin Engine Co.
EAU CLAIRE—Phoenix Mfg. Co. (Heavy Duty, Rocking Valve Slide)
FOND DU LAC—Giddings & Lewis Mfg. Co.
MANITOWOC—Richards Iron Works
MILWAUKEE — **ALLIS-CHALMERS CO.** (Corliss, Simple Compound, Tandem & Triple Expansion, etc.) (See adv. index, end of book)
Bayley Mfg. Co., 732 Greenbush
Filer & Stowell Co. (Slide Valve, Rocking Valve, etc.)
National Blower Works (Horizontal), 17th & St. Paul av.
Nordberg Mfg. Co. (Corliss, Blowing, Hoisting, Reversing, etc.)
Schneck Machine Co., 809 St. Paul av
VILTER MFG. CO., 1046 Clinton. (See adv. index, end of book)
OSHKOSH—United States Engine Works
RACINE—Pierce Engine Co.
RHINELANDER—Rhinelander Iron Co.
SHEBOYGAN—Optenberg Iron Works Co.
SUPERIOR—Superior Ship Building Co. (Marine)

Engines (Steam Turbine)

(See Turbines, Steam)

Engines (Toy or Small)

H. K. Electric Toy Co. ("H. K." Electric Toy Engines & Novelties), Indianapolis, Ind.
Sipp Electric & Machine Co. (¼ to 2 h. p.), Paterson, N. J.

Engines (Traction)

(See also Agricultural Implement Manufacturers)

CALIFORNIA.

POMONA—Pomona Mfg. Co. (Gasoline)
SAN LEANDRO—Best Mfg. Co. (For Freight-
STOCKTON—Holt Mfg. Co.

ILLINOIS.

AURORA—**AMERICAN WELL WORKS.** (See adv. index, end of book)
BELLEVILLE — Harrison Machine Works ("Jumbo")
PEORIA—Avery Co. ("Avery")
Colean Mfg. Co.
Wright Machine Co.

INDIANA.

COLUMBUS—Reeves & Co.
EVANSVILLE—Heilman Machine Works
LA PORTE—Bumely, M. Co. (8 to 12 h. p.)
MOUNT VERNON—Keck-Gonnerman Co.
RICHMOND—Gaar, Scott & Co.
Robinson & Co. (Inc.) ("Conqueror")

IOWA.

CHARLES CITY—Hart-Parr Co. (Oil Cooled Gasoline)
DES MOINES—Wood Bros. Steel Self-Feeder Co.
WATERLOO—Cascaden Mfg. Co. ("Winneshiek")

MICHIGAN.

BATTLE CREEK—Advance Thresher Co.
Nichols & Shepard Co.
LANSING—Olds Gas Power Co. (Gasoline)
PORT HURON—Port Huron Engine & Thresher Co. (Simple & Compound)

MINNESOTA.

MINNEAPOLIS — Minneapolis Threshing Machine Co.
STILLWATER—Northwest Thresher Co. ("New Giant," "Northwest" Double Cylinder Cross Compound)

NEW YORK.

ALBANY—Dederick's, P. K. Sons
BATAVIA—Bidwell, C. H. Thresher Co.
BUFFALO—Buffalo Pitts Co.
GROTON—Monarch Road Roller Co. ("Mon-

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

McCOY, HENRY J. CO., 65 & 67 Dey. (See adv. index, end of book)
SCHENECTADY—Westinghouse Co.

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OHIO.

COLUMBUS—Columbus Machine Co. (Gasoline)
HAMILTON—Empire Machine Co.
MANSFIELD—Aultman & Taylor Machinery Co. ("Atlas," "Eureka," "Eureka, Jr.," "Hercules," "Jupiter," 8 to 25 h. p. Spur Gear)
MARION—Fairbanks Steam Shovel Co. ("Loba")
Huber Mfg. Co. ("New Huber." Single & Double, 5 to 30 h. p.)
Marion Mfg. Co. ("Leader")
MASSILLON—Russell & Co.
NEWARK—McNamar Machine Works
Scheidler Machine Works Co. (10 to 16 h.p.)
SPRINGFIELD—Kelly, O. S. Co.
SWANTON—Baker, A. D. Co. ("Baker" Special Contractors' Engines)

PENNSYLVANIA.

ELK LICK—Improved Traction Engine Co.
TATAMY—Messinger Mfg. Co.
WAYNESBORO—Frick Co. ("Eclipse." "Eclipse, Junior." Wood & Coal)
Geiser Mfg. Co. ("Peerless." Wood & Coal)
WRIGHTSVILLE—Dissinger, C. H. A. & Bro.
YORK—Farquhar, A. B. Co. (Ltd.) ("Pennsylvania")

WEST VIRGINIA.

PARKERSBURG—United States Engine Co.

WISCONSIN.

MARINETTE—Stevens, A. W. Co.
MILWAUKEE—VILTER MFG. CO., 1046 Clinton. (See adv. index, end of book)
RACINE—Case, J. I. Threshing Machine Co.

Engines (Traction, Gasoline)

Abenaque Machine Works ("Abenaque"), Westminster Sta., Vt.
Advance Mfg. Co. ("Hamilton Advance"), Hamilton, O.
AMERICAN WELL WORKS ("Aurora"), Aurora, Ill. (See adv. index & branch offices, end of book)
Angola Engine & Foundry Co., Angola, Ind.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Bawroth Bros., Springfield, O.
Dissinger, C. H. A. & Bro. ("Capital"), Wrightsville, Pa.
Eagle Mfg. Co., Appleton, Wis.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Famous Mfg. Co. ("Champion"), East Chicago, Ind.
Flinchbaugh Mfg. Co. ("York"), York, Pa.
Foos Gas Engine Co., Springfield, O.
Hart-Parr Co., Charles City, Ia.
Kinnard-Haines Co. ("Flour City"), Minneapolis, Minn.
Lambert Gas & Gasol'e Eng. Co., Anderson, Ind
Lauson, C. P. & J. Co., ("Badger"), Milwaukee Wis.
Ohio Mfg. Co., Upper Sandusky, Ohio.
Otto Gas Engine Works, Phila., Pa.
Pomona Mfg. Co., Pomona, Cal.
Rockford Engine Works, Rockford, Ill.
Springfield Gas Engine Co., Springfield, O.
Stover Engine Works, Freeport, Ill.
Waterous Engine Works Co., St. Paul, Minn.

*Engines (Triple Expansion Pumping)

DEANE STEAM PUMP CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
SNOW STEAM PUMP WORKS, 115 B'way, New York. (See adv. index & branch offices, end of book)

Engines (Vertical)

This list is duplicated under the head of Engines, Steam.

CALIFORNIA.

SAN FRANCISCO—FAIRBANKS, MORSE & Co., 158 1st. (See adv. index, end of book)
Union Gas Engine Co. (Gas)
Union Iron Works (25 to 100 h. p.)

CONNECTICUT.

NEW HAVEN—Twiss, Nelson W., 28 Whitney av. (2 to 25 h. p.)

ILLINOIS.

AURORA—AMERICAN WELL WORKS. (See adv. index, end of book)
CHICAGO—FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl. (See adv. index, end of book)
New York Blower Co., 25th pl & Stewart av.
Works, Bucyrus, O.
JOLIET—Bates Machine Co., (Automatic High Speed)

MASSACHUSETTS.

FITCHBURG—Fitchburg Steam Engine Co. (20 to 180 h. p.)
FLORENCE—Norwood Engineering Co. (2 to 50 h. p.)
HYDE PARK—Sturtevant, B. F. Co. (Open or Closed Type)
LAWRENCE—Lawrence Machine Co. (High Lawrence Pump & Engine Co. Speed)
NEWBURYPORT—Davis, F. E. (2 to 20 h. p.)

MICHIGAN.

ALMA—Montigel, J. M.
COMSTOCK—Comstock Mfg. Co. ("Climax" Automatic)
DETROIT—Great Lakes Engineering Works (Slide Crank, Marine, etc.)
KALAMAZOO—Clark Engine & Boiler Co. (horizontal and vertical, up to 125 h. p.)
Dutton, C. H. Co. (2 to 10 h. p.)
Hill, Wm. E. & Co. (Automatic)
SAGINAW—Wickes Bros.

MISSOURI.

ST. LOUIS—Fulton Iron Works, 2d & Carr
St. Louis Steam Engine Co. (Single & Double Self-Contained), 16 S Commercial

NEW JERSEY.

EAST NEWARK—(See Newark)
ELIZABETH—Ball & Wood Co.
JERSEY CITY—Maslin, John & Son, 165 1st
NEWARK—Seymour & Whitlock, N. J. R. R. av

NEW YORK.

AUBURN—McIntosh, Seymour & Co.
BALDWINSVILLE—MORRIS MACHINE Works (1½ to 275 h. p.)
FISHKILL ON THE HUDSON—Fishkill Landing Machine Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Pioneer Iron Works, 153 William

Boroughs of Manhattan & Bronx.

NEW YORK—AMERICAN WELL W'KS, 2 Stone. (See adv. index, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way. (See adv. index, end of book)
DONEGAN & SWIFT ("Swift's Acme"), 6 Murray. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., 133 Liberty. (See adv. index, end of book)
KNOWLES STEAM PUMP W'KS, 115 B'way. (See adv. index, end of book)
McCOY, HENRY J. CO., 65 & 67 Dey. (See adv. index, end of book)
N. Y. Safety Steam Power Co. (2 to 100 h. p.), 114 Liberty

OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill
ORRVILLE—Cyclone Drill Co.
HAMILTON—Hooven, Owens, Rentschler Co.
RAVENNA—Byers, John F. Machine Co.
SANDUSKY—Klotz Machine Co. (10 to 50 h. p.)
SPRINGFIELD—Leffel, James & Co. (3 to 6½ h. p.)

PENNSYLVANIA.

CORRY—Climax Mfg. Co. (6 to 100 h. p.)
ERIE—Erie Mfg. & Supply Co.
Erie Pump & Engine Co.
Nagle Engine & Boiler Works (4 to 20 h.p.)
Stearns Co.
PHILADELPHIA—Rich, J. & G., 120 N 6th
Southwark Foundry & Machine Co., Washington av c 5th
READING—Orr & Sembower (Inc.)
TATAMY—Messinger Mfg. Co.
YORK—Farquhar, A. B. Co. (Ltd.)
York Mfg. Co.

RHODE ISLAND.

PROVIDENCE—Cruickshank Engine Co. (2 to 35 h. p.)

WISCONSIN.

MILWAUKEE—ALLIS-CHALMERS CO. (All Sizes). (See adv. index, end of book)
National Blower Works, 17th & St. Paul, av
RACINE—Racine Engine & Machine Co. (Small)
SHEBOYGAN—Optenberg Iron Works Co.

Engines (Winding)

Hendy, Joshua Iron Works (Air, Electric, Hydraulic & Steam Driven), San Francisco, Cal.
Sullivan Machinery Co. (For Hoisting & Hauling), Railway Exch bldg, Chicago, Ill.
Wellman-Seaver-Morgan Co. (Direct Acting), Cleveland, O.

Engines (Yacht or Launch)

(See Engines, Marine, Gasoline; also Engines, Oil)

*Entrances (Copper & Bronze Covered)

THORP FIRE PROOF DOOR CO. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn. (See adv. index & branch offices, end of book)

Envelope Mfrs. (Catalogue, Merchandise & Tag)

American Envelope Co., West Carrollton, O.
American Mfg. Co. (Tag), Battle Creek, Mich.
American Paper Goods Co. (Package), Kensington, Conn.
American Tag Co. (Tag), 6133 State, Chicago, Ill.
Berkowitz Envelope Co., Kansas City, Mo.
Berlin & Jones Envelope Co., 136 William, New York
Birnie Paper Co., Springfield, Mass.
Carpenter, W. B. & Co., 422 Main, Cincinnati, Ohio
Chicago Envelope Co. (Merchandis), 63 Market, Chicago, Ill.
Clasp Envelope Co. (Package), 109 Leonard, New York
Cohen, Chas. J. & Son, 812 Chestnut, Philadelphia, Pa.
Cupples, Sam'l, Envelope Co., 7 Laight, New York
Gair, Robert Co., Washington c Plymouth, Brooklyn, N. Y.
Goodbody, Wm. (Mailing), 505 W B'way, New York
Hartford Mfg. Co., Hartford, Conn.
Hinde & Dauch Paper Co. (Corrugated Paper), Sandusky, O.
Hults, E. H., Jr., 25 N 6th, Philadelphia, Pa.
Hurd, George B. & Co., 425 Broome, New York
Illinois Envelope Co., Kalamazoo, Mich.
Improved Mailing Case Co. (Letter & Package), 158 W B'way, New York
Jeffrey, Louis (Metallic Clasp Merchandise), 78th & Brunswick av, Phila, Pa.
Landa, A. & Co. (Leather & Cloth Document), 3640 N Clark, Chicago, Ill.
Lavette, H. C. (Patent Photo Mailing), 214 S Clinton, Chicago, Ill.
Modern Mfg. Co. (Metal Clasp), 543 N Lawrence, Phila., Pa.
Niagara Envelope Mfg. Co., Buffalo, N. Y.
Neostyle Envelope Co. (Merchandise), 88 Reade, New York
Powers Paper Co., Holyoke, Mass.
Raynor & Perkins Envelope Co. (Letter), 220 William, New York
Russell, R. Y. & Son Co. (Mailing), Chelsea, Mass.
Security Envelope Co. (Hand Fold), Minneapolis, Minn.
Sewell-Clapp Mfg. Co. (Merchandise), 52 S Desplaines, Chicago, Ill.
Spangler, E. J. & Co., 507 Ludlow, Philadelphia, Pa.
Taylor-Atkins Paper Co., Burnside, Conn.
Tension Envelope Co. (Package), 22 Reade, New York
Union Envelope Co., Richmond, Va.
United States Envelope Co., Springfield, Mass.
United States Paper Goods Co., 229 W Pearl, Rochester, N. Y.
Whiting Paper Co., Holyoke, Mass.

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Envelopes (Pliable Metal)

Modern Mfg. Co., 543 N Lawrence, Phila., Pa.

Equalizers or Eveners

Rock Island Plow Co., Rock Island, Ill.

*Eradicators for Tracing Cloth

SOLTMANN, E. G. ("Inkoff"—Washes Black Waterproof Ink Off Like Washing Off a Slate), 125 E 42d, New York. (See adv. index, end of book)

Eradicators (Ink)

HARDMUTH, L. & C. ("Ideal"), 34 E 23d, New York. (See adv. index, end of book)

Sonneborn, L. Sons (Inc.), "Amalia" for Desks, Office Furniture, etc.), 262 Pearl, New York

*Erasers (Draughtsmen's)

COATES CLIPPER MFG. CO. (Electric), Worcester, Mass. (See adv. index, end of book)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Erasers (Ink)

Canton Cutlery Co., Canton, O.
Landers, Frary & Clark (Inc.), New Britain, Conn.
Miller Bros. Cutlery Co. (Steel), Meriden, Conn.
Napanoch Knife Co., Napanoch, N. Y.
Ross, Jos., Jr., & Co., Newark, N. J.
Schnefel Bros., 51 4th, Newark, N. J.

Erasers (Rubber)

American Lead Pencil Co., 43 W 4th, New York
DIXON, JOS. CRUCIBLE CO. (for Pencil or Ink), Jersey City, N. J. (See adv index & branch offices, end of book)
Eagle Pencil Co., 377 B'way, New York
Faber, A. W., Newark, N. J.
Faber, Eberhard, 299 B'way, New York
Goodrich, B. F. Co., Akron, O.

Escalators

(See Stairways, Moving)

Escutcheon Pins

American Pin Co. (Brass), Waterbury, Conn.
AMERICAN STEEL & WIRE CO. (Brass & Steel), Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Blake & Johnson Co., Waterbury, Conn.
Corbin Screw Corporation (Steel or Brass), New Britain, Conn.
Globe Mfg. Co., Taunton, Mass.
Grammes, L. F. & Sons (Brass or Iron), Allentown, Pa.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Hassall, John (Brass, Iron, Steel, German Silver, Tinned, etc.), 171 Lafayette, New York
Havell Mfg. Co. (Brass & Steel), Newark, N. J.
HUNGERFORD, U. T. BRASS & Copper Co. (Brass & Iron), 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.) (Brass), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Milwaukee Tack Co., Milwaukee, Wis.
Perkins, Henry Co., Bridgewater, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Plymouth Mills (Brass & Iron), Plymouth, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Taunton Wire Nail Co., Taunton, Mass.
Tower Mfg. Co., Commerce c Elm, Cincinnati, O., & Madison, Ind
TURNER & SEYMOUR MFG. CO. (and Rivets), Torrington, Conn. (See adv. index, end of book)
Waterbury Brass Co., Waterbury, Conn., & 90 John, New York
Waterbury Mfg. Co. (Brass), Waterbury, Conn.
Wire Goods Co. (Iron & Brass), Worcester, Mass.

Escutcheons

Russell & Erwin Mfg. Co. (Cabinet Furniture, Sliding Door & Wood), New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co. (Cabinet, Door, etc.), 9 Murray, New York

Escutcheons (Wood, Key Hole)

Piqua Handle & Mfg. Co., Piqua, O.

Evaporators

(See also Evaporators, Multiple Effects, under the head of Sugar Machinery; also Furnaces, Evaporator)

Babcock Mfg. Co. ("Granger," "Otsego" Fruit), Leonardsville, N. Y.
Bell, C. S. Co. ("Bell," "Cook's" & "Rocker," Maple Sugar & Sorghum), Hillsboro, O.
Black & Clawson Co., Hamilton, O.
Blymer Iron Works Co. ("Zimmerman" Fruit, "Cook's" & "Santa Clara" Sugar), Spring Grove av & Terrace pl, Cincinnati, O.
Boomer & Boschert Press Co. ("Boomer & Boschert" Cider), Syracuse, N. Y.
Buffalo Foundry & Machine Co., Buffalo N. Y.
Caledonia Bean Harvester Works ("Caledonia"), Caledonia, N. Y.
Casey-Hedges Co. (Multiple Effects), Chattanooga, Tenn.
Champion Evaporator Co. ("Champion" Cider, Maple Sugar & Sorghum), Hudson, O.
Chattanooga Plow Co. ("Zimmerman" Fruit, "Cook's" Sugar), Chattanooga, Tenn.
Connell, J. D. Iron Works Co. (Sugar), New Orleans, La.
Cook Cane Mill & Evaporator Co. ("Cook's" Sugar, Maple Sugar & Sorghum), St. Louis, Mo.
Densmore Bros. (Fruit, etc.), Red Wing, Minn.
Fahrney, Edw. B. ("U-S Cook-Stove," Fruit, etc.), Waynesboro, Pa.
Flora Fruit Evaporator Co. (Fruit), Fora, Ill.
Gardner, Jno. T. (Fruit), Oxford, Mich.
Gowando Agricultural Works Co. ("Gowanda," Maple Sugar & Sorghum), Gowanda, N. Y.
Grimm, G. H. ("Champion" Maple Sugar & Sorghum), Rutland, Vt.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Phila., Pa. (See adv. index & branch offices, end of book)

Reilly Multicoil Evaporators

Multiple effect, using live or Exhausted Steam.

SPECIAL DESIGN FOR ICE PLANTS

Heating surface of Tinned Copper Coils, fastened to headers by screwed ground union joints.

THE GRISCOM-SPENCER CO.
90 West Street, NEW YORK, N. Y.

Hydraulic Press Mfg. Co. ("South Allen" Cider), Mt. Gilead, O.
Munnsville Plow Co. ("Duplex," "20th Century," for Fruit, Hops, etc.), Munnsville, N. Y.
Murkland, J. W. ("Murkland" Maple Sugar & Sorghum), Barton, Vt.
Palmer & Co. (Fruit), Noble, Ill.
Schmidt, Joslin & Co. (Vacuum & Special for Liquors, etc.), Cincinnati, O.
Sebastian Bros. (Fruit), Odin, Ill.
Southern Plow Co. (Sugar), Columbus, Ga.
Squier, Geo. L. Mfg. Co. (Sugar), Buffalo, N. Y.
Stahl, Wm. Evaporator Co. ("Excelsior" Fruit), Quincy, Ill.
Stutzman, D. ("Stutzman," "Orma's" Fruit), Ligonier, Ind.
Vermont Farm Machine Co. ("Williams" Maple Sugar & Sorghum), Bellows Falls, Vt.
Warren Evaporator Works ("I-X-L" Maple Sugar & Sorghum; Milton Mathews, Prop.), Warren, O.
White, S. B. & Bro. ("Cook's" Sugar), Norfolk, Va.

Evaporators & Fresh Water Distilling Apparatus

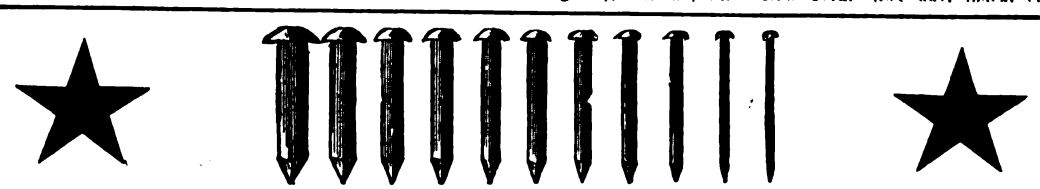
Davidson, W. T. ("Baird" Patents for Steam Vessels, Chemical Works, etc.), 43 Keap, Brooklyn, N. Y.
GRISCOM-SPENCER CO. ("Reilly" Multicoil), 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)

*Excavators (Placer Mining)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

*Excavators (Railroad)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)



STAR BRAND ESCUTCHEON PINS
MADE IN
Torrington, Conn., by the Turner & Seymour Mfg. Co.

ALSO

GILT NAILS
UPHOLSTERY HARDWARE
STAIR PLATES
STAIR NOSING

STAR BRAND
JACK CHAIN
LADDER CHAIN
SAFETY CHAIN
S HOOKS & LINKS

CUP HOOKS
BRASS CASTINGS
COMPOSITION CASTINGS
BRASS RIVETS

"STAR BRAND" means quality (and a 16 oz. pound of pins). Write for prices.

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*Excavators (Skid)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

*Excavators (Steam)

(See also Shovels, Steam)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Excavators (Steel, Revolving Boom)

Heyworth, James O. ("Heyworth-Newman" Drag Line Bracket Excavator), Harvester bldg, Chicago, Ill.
Page, John W., Security bldg, Chicago, Ill.

Excelsior Mfrs.

Acme Mfg. Co., Harvey, Ia.
Alpena Excelsior Co. (Also Wood Wool), Alpena, Mich.
American Fibre Co. (Palm Leaf Mattress), Jacksonville, Fla.
Bartlett Bros., Melvin Falls, N. H.
Bearman, John M., Fort Scott, Kan.
Berry, O. P. Co., Wolfboro Falls, N. H.
Boston Excelsior Co., 26 Canal, Boston, Mass.
Burnside Excelsior Co., Burnside, Ky.
Charleston Excelsior M. & B. Factory, Charleston, S. C.
Coffeyville Excelsior Mfg. Co., Coffeyville, Kan.
Demarest & Burlison, Butler, N. J.
Detroit Excelsior Works, Detroit, Mich.
Du Pere Mfg. Co., Atlanta, Ga.
Farnham, J. F., Union, N. H.
Flexo Mfg. Co., Kansas City, Mo.
Fox, J. W. Excelsior Co., Grand Rapids, Mich.
Gulf Red Cedar Co. (Red Cedar), Mobile, Ala.
Guttenberg Excelsior Mfg. Co., Guttenberg, Ia.
Hahn, J. F., Lancaster, Pa.
Hoadley Excelsior Co., Honesdale, Pa.
Hoffman-Corr Mfg. Co. (also Moss), 55 White.
Holbert, J. G., Westcolang, Pa. New York
Hoornbeek, Jno. C., Wawarsing, New York
Huffman, Theo. P. & Co., 648 W 34th, New York
Hutchins, Frank, Wolfboro Falls, N. H.
Johnson-Smith Excelsior Co., Indianapolis, Ind.
Keugh Exc. Mfg. Co., Chicago, Ill.
Klein, Philip, Evansville, Ind.
Lord, W. M., Co., Union, N. H.
Meridian Mattress Factory, Meridian, Miss.
Nesmith, C. S., Reeds Ferry, N. H.
Park Falls Mfg. Co., Park Falls, Wis.
Payne & Co., Dayton, O.
Peters & Roberts Furniture Co., Portland, Ore.
Rice Lake Excelsior Co., Rice Lake, Wis.
Shreveport Mfg. Co., Shreveport, La.
Standard Excelsior Works (Pine), Atlanta, Ga.
Tompkinson, C. V., Lebanon, Vt.
Virginia Excelsior Co., Fredericksburg, Va.

Exhaust Heads

ABENDROTH & ROOT MFG. CO. ("Root" & "Hudson"), Newburgh, N. Y. (See adv. index & branch offices, end of book)
Abendroth & Stein (Inc.) ("Stein's" 1 in. to 42 in.), 39 Cortlandt, New York
Ambrose Machine Co. ("Peerless"), Provost, Brooklyn, N. Y.
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Atwood & Morrill ("XX Century"), Salem
Bolton, R. P., 527 5th av, New York Mass.
Burt Mfg. Co. ("Burt" & "Standard"), Akron, Ohio
Chicago Eng. Supply Co. ("Champion"), 112 Lake, Chicago, Ill.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Direct Separator Co. ("Sweet"), Syracuse, N. Y.
Dixie Mfg. Co. ("Dixie"), Baltimore, Md.
Empire Blower & Pipe Co., 8 Furnace, Rochester, N. Y.
GARDNER GOVERNOR CO. ("Gardner"), Quincy, Ill. (See adv. index, end of book)
Gillis & Geoghegan ("Hoey"), 537 W B'way, New York
Hoppes Mfg. Co. (Cast Iron), Springfield, O.
Hussey, McCann & Co., 87 Warren, New York
Huxley, C. E., & Co. ("Huxley" Cast Iron), 91 W Randolph, Chicago, Ill.
INDUSTRIAL INSTRUMENT CO. ("Eclipse"), Foxboro, Mass. (See adv. index & branch offices, end of book)
Johnston, W. T. & Co., Cincinnati, O.
Kelley Benj. F. & Son, 120 Liberty, N. Y.
Kruger & Blind Co. (Centrifugal), 511 Master, Philadelphia, Pa.
Lee, Thomas, 130 W 2d, Cincinnati, O.
Liberty Mfg. Co., Pittsburg, Pa.
Littleford Bros., 453 E Pearl, Cincinnati, O.
Leow Mfg. Co., Cleveland, O.
Lyman, W. C., 49 Michigan, Chicago, Ill.
Miller, J. K. Co. ("Western"), Seattle, Wash
Ohio Blower Co ("Swartout"), Cleveland, O.
Patterson, Frank L & Co., 26 Cortlandt, N. Y.
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh," Vacuum), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Prentice, L. H. Co., 34 Sherman, Chicago, Ill.
Robertson, Jas. L. & Son, (Inc.), 48 Warren, New York
Rutsler, E. Co., 127 White, New York
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
Simonds Heating & Specialty Co. ("Simonds"), Detroit, Mich.
Sims Co., Erie, Pa.
Sorge, A., Jr. Co., Monadnock bldg., Chicago,
Standard Steam Specialty Co. (Utility), 542 W B'way, New York
Steam Appliance Co. (Atmospheric Condensing), Milwaukee, Wis.
Sterling Blower & Pipe Mfg. Co., Hartford, Conn.
Strandwitz & Scott ("Common Sense"), Camden, N. J.
Sturtevant, B. F. Co., Hyde Park, Mass.
THOMAS & SMITH (Inc.), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)
Thompson, Richard & Co., 126 Liberty, N. Y.
Unique Engineering Co. ("Unique" Turbine), 100 Hinsdale, Brooklyn, N. Y.
Watson & McDaniel Co. ("McDaniel," "Keystone"), 146 N 7th, Phila., Pa.
Whitlock Coil Pipe Co., Hartford, Conn.
Wright Mfg. Co. (Cyclone), 55-59 Woodbridge, W, Detroit, Mich.
Young Bros. Co. ("The Cyclone"), 263 Franklin, Detroit, Mich.

Exhaust & Blow Piping

Abendroth & Stein (Inc.) (Straight Riveted Flanged), 39 Cortlandt, New York
Allington & Curtis Mfg. Co., Saginaw, Mich
AMERICAN SPIRAL PIPE WORKS. W 14th & 48th av, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Astle, H. J. & Co., Providence, R. I.
Banister, A. W., 35 Wareham, Boston, Mass
Buffalo Forge Co., Buffalo, N. Y.
Cincinnati Exhaust & Blow Pipe Co., 324 W 3d, Cincinnati, O
Clark & Miller Co., Seattle, Wash.
CLASON ARCHITECTURAL METAL Works, 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Cyclone Blow Pipe Co., 70 W Jackson boul. Chicago, Ill.
Dixie Mfg. Co., Baltimore, Md.
Empire Blower & Pipe Co., Rochester, N. Y.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Haines & Co., 747 W. Lake, Chicago, Ill.
Hartford Blower Co., Hartford, Conn.
Lee, Thos., 130 W 2d, Cincinnati, O.
Littleford Bros., Cincinnati, Ohio.
Lyman, W. C., 49 Michigan, Chicago, Ill.
Mannen & Esterly Co., 2247 St. Clair, Cleveland, O.
Meadon's, T. J. Son, 51 Greenpoint av, Brooklyn, N. Y
National Blower Works, 17th & St. Paul av, Milwaukee, Wis.
New Orleans Roofing & Metal Works, 926 Lafayette, New Orleans, La.
Ohio Blower Co., Cleveland, O.
Porbeck, Otto, 2017 B'way, St. Louis, Mo.
Savannah Blow Pipe & Exhaust Co., Savannah, Ga
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Skinner Bros., 1013 N B'way, St. Louis, Mo
Skinner, D. B. & Bro., 1948 N 9th, St. Louis, Mo.
Spiral Riveted Tube Co., 74 Cortlandt, New York, & Jersey City, N. J
Sterling Blower & Pipe Mfg. Co., Hartford Conn., & 85 Liberty, New York
Sturtevant, B. F. Co., Hyde Park, Mass.
United States Blowpipe & Hydraulic Works, Pacific blk, Seattle, Wash.
Venderbush & Looman, Detroit, Mich.
Wulff, W. C. & Co., Louisville, Ky.

Exhausters (Electric)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 80 Church, New York. (See adv. index & branch offices, end of book)
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
MECHANICAL APPLIANCE CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Sprague Electric Co., 527 W 34th, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg., Pittsburg Pa. (See adv. index & branch offices, end of book)

Exhausters (Gas)

American Blower Co., Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Connersville Blower Co., Connersville, Ind.
Cornell, J. B. & J. M., 20th c 11th av, New York
Garden City Fan Co., Fisher bldg, Chicago,
Gas Machinery Co., Cleveland, O. Ill.
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
Isbell-Porter Co., ("Mackenzie"), Newark, N J
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
National Blower Works, Milwaukee, Wis.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.
Parson Mfg. Co. ("Parson"), 299 B'way, N. Y.
Piqua Blower Co., Piqua, O.
Roots, P. H. & F. M. Co. (& Fittings), Connersville, Ind.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.
Wilbraham-Green Blower Co., 2518 Frankford, Phila., Pa.

Exhausters (Planing Mill, Etc.)

Allington & Curtis Mfg. Co., Saginaw, Mich.
American Blower Co., Detroit, Mich.
Banister, A. W., 35 Wareham, Boston, Mass.
Bayley Mfg. Co., Milwaukee, Wis.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 1218 West Street bldg, New York
Hartford Blower Co., Hartford, Conn.
Indiana Fan Co., Indianapolis, Ind.
Miller, J. K. Co. ("Western"), Seattle, Wash. waukee, Wis. (See adv. index, end of book)
National Blower Works, Milwaukee, Wis.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.
Sterling Blower & Pipe Mfg. Co., Hartford, Conn.
Sturtevant, B. F. Co., Hyde Park, Mass.

Exhausters (Pump & Engine Starting)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

Exhausters (Steam Jet)

(See also Gas Works Apparatus & Construction)
Continental Iron Works, West & Cayler, Brooklyn, N. Y.
Isbell-Porter Co., Newark, N. J.
Kerr-Murray Mfg. Co. (also Rotary), Fort Wayne, Ind.
Lloyd Construction Co., Detroit, Mich.

Expanders (Hose)

Glazier Nozzle & Mfg. Co., 501-502 Commercial Club bldg, Indianapolis, Ind.
Hayward, S. F. & Co., 39 Park pl., New York.

*Expanders (Locomotive Tire)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

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Expanders (Tube)

Ajax Mfg. Co. ("The Collins" Self-Feed & Roller), Pittsburg, Pa.
Bullock, Chas. K. (Boiler), 1301 Ridge av.
Cantion Tool Co., Paris, Ill. Phila., Pa.
Dangel, W. H. & Co. ("Lucas"), 140 Dearborn, Chicago, Ill.
DONEGAN & SWIFT, 6 Murray, New York, York, (See adv. index, end of book)
DUDGEON, RICHARD (Boiler), 24 Columbia, New York. (See adv. index, end of book)
Faessler, J., Mfg. Co. ("Boss Roller," "Universal" Roller Flue, etc.), Moberly, Mo.
Hayes Tool Co., 41 Cross, Portland, Me.
HELWIG MFG. CO. ("Helwig" Hand & Power Self-Feeding Flue), St. Paul, Minn. (See adv. index, end of book)
Henderer's, A. L. Sons ("Ferguson," Self-Feed Roller), Wilmington, Del.
IRVING MFG. & TOOL CO. (J. F. McCoy, Co., Prop.), 160 Chambers, New York. (See adv. index, end of book)
Lovejoy Tool Works (All Steel Ball Bearing Self-Feeding Roller, for Hand or Power, also Sectional Spring), Chicago, Ill.
Lovekin Pipe Expanding & Flanging Machine Co. ("Lovekin." Flue Expanding Tool), 421 Chestnut, Phila., Pa.
Nicholson, W. H. & Co. ("Nicholson" Self-Feeding & Self Releasing Roller), Wilkes-Barre, Pa.
Oswego Tool Co. ("The World's Champion" Spring, "Boss," "Giles" & "Tonkin"), Oswego, N. Y.
Place Mfg. Co. ("McGraw"), Oswego, N. Y.
Prosser, Thos. & Son, 15 Gold, New York
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wiedeke, Gustav & Co. ("Ideal." Self-Feed Roller, "Montgomery," "Dayton" & Standard" Rollers, & Sectional Spring), Dayton, O.

Exploders

(See Blasting Fuses, Caps, etc.)

Exploders (Cartridge)

Susquehanna Casting Co., Wrightsville, Pa.

*Express Company Call

ELEVATOR SUPPLY & REPAIR CO., 76 W. Monroe, Chicago, Ill.; 114 Liberty, New York, & 593 Market, San Francisco, Cal. (See adv. index & branch offices, end of book)

EXPRESS CALL
SIGNALLING EXPRESS WAGONS
FROM OFFICES
ELEVATOR SUPPLY & REPAIR CO.
114 LIBERTY ST 76 W. MONROE ST.
NEW YORK CHICAGO
593 MARKET ST., SAN FRANCISCO, CAL.

Extractors (Broken Tap)

Atlas Machine Co. ("Atlas"), Providence, R. I.
Walton Co. ("Walton"), Hartford, Conn.

Extractors (Cyanide Vat)

Blaisdel Co., Los Angeles, Cal.

Extractors (Mandrel)

Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (Hydraulic & Belt Driven), Farmer Bk. bldg. Pittsburg, Pa.

Extractors (Meat Juice)

Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

Extractors (Oil)

(See Oil & Grease Extractors; also Separators, Steam & Oil)

Extractors (Tar)

Isbell-Porter Co. ("Aeso," "P. & A." for Water Gas), Newark, N. J.

Extractors (Weed)

(See Hooks, Weeding.)

Extracts (Bark)

Marden, Orth & Hastings (Hemlock, Palmetto, Oak, etc.), Boston, Mass.
Miller Tanning Extract Works, Millerton, New Brunswick, Canada

Extracts (Dyewood)

Innis, Speiden & Co., 46 Cliff, New York
Klipstein, A. & Co., 122 Pearl, New York
Lewis, Jno. D., Providence, R. I.
Marden, Orth & Hastings, Boston, Mass.
Metz, H. A. & Co., 122 Hudson, New York
National Aniline & Chemical Co., 100 William, New York
Stamford Mfg. Co. (Logwood, etc.), 82 Wall, New York; Factory: Stamford, Conn.

Extracts (Indigo)

Cochrane Chemical Co., Boston, Mass.

Extracts (Tanning)

Marden, Orth & Hastings (Quebracho, etc.), Boston, Mass.
New York Tanning Extract Co. (Quebracho, etc), 17 Battery pl, New York
Stamford Mfg. Co. (Quebracho, etc.), 82 Wall, New York, & Stamford, Conn.

Eyelet Mfrs.

American Ring Co., Waterbury, Conn.
Caseley & Nelmes, Taunton, Mass.
Halkyard Mfg. Co., Providence, R. I.
Hughes Eyelet Co., Taunton, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn
Rhodes, J. C. & Co. (Inc.), New Bedford, Mass.
Rimmon Mfg. Co., Seymour, Conn.
Sibley, E. L., Bennington, Vt.
Stimpson's, Edwin B. Sons (All Kinds), 31 Spruce, New York
Tubular Rivet & Steel Co., Boston, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.
Waterbury Brass Co., Waterbury, Conn., & 99 John, New York
Waterbury Button Co., Waterbury, Conn.

Eyelet Sets

Johnson, W. S. (Heidenberg Works), Newark, N. J.

Eye Shades

(See Goggles & Eye Protectors)

Fabricators (Steel Building)

(See Steel Structural Work)

Facing Arms

Underwood, H. B. & Co. (Portable), 1027 Hamilton, Phila., Pa.

Fan Blowers

(See Blower Manufacturers)

Fan Controllers (Electric)

(See Controllers, Fan)

Fans (Battery Motor)

Electric Motor & Equipment Co. ("Beaver"), Newark, N. J.
Jones & Gross Electric Co., 62 Vesey, New York
Kendrick & Davis ("Ajax," "Standard," "Kent"), Lebanon, N. H.
Knapp Electric & Novelty Co. ("Kenco"), 511 W. 51st, New York
Manhattan Electric Supply Co., 17 Park Pl., New York
Ohio Electric Works, Cleveland, O.

Fans (Ceiling)

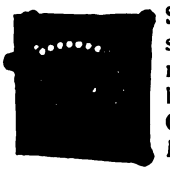
(See Fans, Ceiling Belted; also Fans, Ceiling, Electric; also Fans, Water Motor)

Fans (Ceiling, Belted)

Bates, D. L. & Bro. Co., Dayton, O.
Dayton Fan & Motor Co., Dayton, O.
Hunter Fan & Motor Co. ("Tuerk's"), Fulton, N. Y.
McLeod, Ward & Co. ("Van Houten"), 27 Thames, New York
Ochsner, A. & Son, New Haven, Conn.
Seymour, J. M., Jr., Newark, N. J.

Fans (Ceiling, Electric)

Adams Electric Co. (Direct Current), Trenton, N. J.
Bates, D. L. & Bro. Co. (Direct Current), Dayton, Ohio
Century Electric Co. ("Century," Alternating Current), St. Louis, Mo.



Starting rheostats and speed controllers for motor driven fans and blowers. THE CUTLER-HAMMER MFG. CO. Milwaukee

Dayton Fan & Motor Co. (Direct Current), Dayton, O.
Diehl Mfg. Co. (Direct Current), Elizabeth, N.J.
Emerson Electric Mfg Co. ("Trojan," "Emerson," Alternating & Direct Current, Stationary & Portable), 2030 Washington av, St. Louis, Mo.
Fidelity Electric Co. (Direct Current), Lancaster, Pa.
Fort Wayne Electric Works (Direct Current, Portable), Fort Wane, Ind.
GENERAL ELECTRIC CO. (Direct Current), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hunter Fan & Motor Co. ("Tuerk," Direct & Alternating Current), Fulton, N. Y.
Jandus Electric Co. ("Gyro," Alternating & Direct Current), Cleveland, Ohio
National Electric Supply Co. ("Crescent," Direct Current), Washington, D. C.
Peerless Electric Co. ("Peerless," Direct Current), Warren, Ohio
Robbins & Myers Co. ("Standard," Direct & Alternating Current), Springfield, Ohio
Sprague Electric Co. ("Lundell," Direct Current), 527 W 34th, New York
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Fans (Centrifugal)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.
Stine, S. B., Osceola Mills, Pa.

Fans (Desk & Office)

(See Fans, Electric, Portable, Alternating Current; also Fans, Electric Portable, Direct Current)

Fans (Electric Disc, Direct Connected)

American Blower Co. ("A B C," "Cyclone"), Detroit, Mich
Colonial Fan & Motor Co., Warren, O.
Crocker-Wheeler Co., Ampere, N. J.
Diehl Mfg. Co., Elizabeth, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
Emerson Electrical Mfg. Co., St. Louis, Mo.
Fuller Co., Detroit, Mich.
Garden City Fan Co., Fisher bldg, Chicago.
Garwood Electric Co., Garwood, N. J. Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Green Fuel Economizer Co., Mattawan, N. Y., & 90 West, New York
Holtzer-Cabot Electric Co., Brookline, Mass.
HOWARD & MORSE ("Blackman," & Duplex, Cone), 45 Fulton, New York. (See adv. index, end of book)
Massachusetts Fan Co., Watertown, Mass.
MECHANICAL APPLIANCE CO. ("Watson"), Milwaukee, Wis. (See adv. index, end of book)
NATIONAL BLOWER WORKS, Milwaukee, Wis. (See adv. index, end of book)
New York Blower Co., 25th & Stewart av, Chicago, Ill.
Rochester Electric Motor Co., Rochester, N. Y.
Sprague Electric Co., 257 W 34th, New York
Sturtevant, B. F. Co., Hyde Park, Mass.
Wagner Electric Co., St. Louis, Mo.
Western Electric Co., Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

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Fans (Electric Portable, Alternating Current)

Emerson Electric Mfg. Co. ("Trojan," "Emerson"), St. Louis, Mo.
Fidelity Electric Co., Lancaster, Pa.
Fort Wayne Electric Works, Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Shedd Electric Co. ("Comfort"), Roselle, N. J.
Western Electric Co., Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. CO. Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Fans (Electric Portable, Direct Current)

Bates, D. L. & Bro. Co., Dayton, O.
Colonial Fan & Motor Co., Warren, O.
Commercial Electric Supply Co., St. Louis, Mo.
Crocker-Wheeler Co., Ampere, N. J.
Dayton Fan & Motor Co., Dayton, O.
Diehl Mfg Co. ("Universal"), Elizabeth, N. J.
Eck Dynamo & Motor Co. ("Hurricane"), Belleville, N. J.
Emerson Electric Mfg. Co., St. Louis, Mo.
Fidelity Elec. Co. ("Eclipse"), Lancaster, Pa.
Fort Wayne Electric Works, Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., and 30 Church, New York. (See adv. index & branch offices, end of book)
Jandus Electric Co., Cleveland, O.
Manhattan Supply Co., 17 Park Pl., New York
National Electric Supply Co. ("Crescent"), Washington, D. C.
Peerless Electric Co., Warren, O.
Robbins & Myers Co. ("Standard"), Springfield, O.
Roth Bros. & Co., 27 S Clinton, Chicago, Ill.
Shedd Electric Co. ("Comfort"), Roselle, N. J.
Snyder Electric Mfg. Co., Canal Dover, O.
Sprague Electric Co. ("Lundell"), 527 W 34th, New York
Western Electric Co., Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Fans (Exhaust or Ventilating)

(See also Blowers, Various Kinds; also Fans Mine Ventilating; also Fans, Electric, Various Kinds)

CONNECTICUT.

HARTFORD—Hartford Blower Co.
WINDSOR LOCKS—Clark, George P. Co.

ILLINOIS.

CHICAGO—Cyclone Blow Pipe Co., 70 W Jackson boul
Garden City Fan Co., Fisher bldg.
New York Blower Co., 25th pl & Stewart av; Works: Bucyrus, O.
Raymond Bros. Impact Pulverizer Co., 629 W Harrison
Sturtevant, B. F. Co., 281 S Clinton

INDIANA.

CONNELLSVILLE—Roots, P. H. & E. M. Co.

MARYLAND.

BALTIMORE—Dixie Mfg. Co.

MASSACHUSETTS.

BOSTON—Banister, A. W., 35 Wareham
Barney Ventilating Fan Works (Compound) (A. B. Franklin, Prop.), 24 Binford
Exeter Machine Works, 32 Oliver
HOLYOKE—Perkins, B. F. & Sons
HYDE PARK—Sturtevant, B. F. Co.
WATERTOWN—Massachusetts Fan Co.

MICHIGAN.

DETROIT—American Blower Co., 1400 Russell
Fuller Co., 1565 Russell
SAGINAW—Allington & Curtis Mfg. Co.

NEW HAMPSHIRE.

EXETER—Exeter Machine Works

NEW JERSEY.

JERSEY CITY—**GRISCOM-SPENCER CO.,** Grand & Sussex. (See adv. index, end of book)
NEWARK—Seymour, J. M., Jr., 43 Lawrence
WALSH'S SONS CO. (See adv. index, end of book)

NEW YORK.

BUFFALO—Buffalo Forge Co.
FULTON—Hunter Fan & Motor Co. ("Tuerk," Electric & Belt)
MATTEAWAN—Green Fuel Economizer Co.

NEW YORK CITY.

NEW YORK—Banks, F. S. & Co. ("Whiteman")' 73 Warren
Cornell, J. B. & J. M., Co., 601 W 26th
DONEGAN & SWIFT, 6 Murray. (See adv. index, end of book)
Green Fuel Economizer Co., 90 West
GRISCOM-SPENCER CO., 90 West. (See adv. index, end of book)
HOWARD & MORSE ("Blackman" & "Duplex" Cone), 45 Fulton. (See adv. facing first page of Index of Contents)
MECHANICAL APPLIANCE CO. (Motor Driven), 50 Church. (See adv. index, end of book)
Power Specialty Co., 111 B'way
Sturtevant, B. F. Co., 131 Liberty
Wing, L. J. Mfg. Co., Albany & West
TROY—Tolhurst Machine Works (Ventilating), Fulton & 6th av

OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill)
CANAL DOVER—Snyder Electric Mfg. Co. (Electric)
CLEVELAND—Bartlett Bros. Co., 178 Huron

PENNSYLVANIA.

ERIE—Link, E. M. Machinery Co.
LANCASTER—Champion Blower & Forge Co.
PHILADELPHIA — **GRISCOM-SPENCER** Co., ft. Washington av. (See adv. index, end of book)

RHODE ISLAND.

PROVIDENCE—New England Ventilating & Heating Co.

WISCONSIN.

MILWAUKEE—Bayley Mfg. Co.
MECHANICAL APPLIANCE CO. (Motor Driven). (See adv. index, end of book)
National Blower Works, 17th & St. Paul av.

Fans (Mine Ventilating)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Capell Fan & Engineering Co. ("Capell"), Monongahela, Pa.
Clifford Cappell Fan Co. ("Cappell"), Jeannette, Pa.
Cole, W. E. (Steam), Washington, Ind.
Connellsville Mfg. & Mine Supply Co., Connellsville, Pa.
Crawford & McCrimmon Co., Brazil, Ind.
Danville Foundry & Machine Co., Danville, Ill.
Denver Engineering Works Co., Blake & 30th, Denver, Colo.
Dixie Mfg. Co., Baltimore, Md.
Eagle Iron Works (Direct Connected), Des Moines, Ia.
Exeter Machine Works, Pittston, Pa.
Finch Mfg. Co., Scranton, Pa.
Garden City Fan Co., Fisher bldg., Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index, & branch offices, end of book)
GRISCOM-SPENCER CO., 90 West, New York, & ft Washington av, Phila., Pa. (See adv. index & branch offices, end of book)
Hendy, Joshua Iron Works, San Francisco, Cal.
Herron-Webb Engineering Co. ("Capell"), Monongahela, Pa.
Herzler & Henninger, Belleville, Ill.
JEFFREY MFG. CO. ("Jeffrey," Centrifugal), Columbus, O. (See adv. index & branch offices, end of book)
Litchfield Foundry & Machine Co., Litchfield, Ill.
Marine Iron Works, Bay City, Mich.
Mullen, Jno. & Son, Shamokin, Pa.
Nelsonville Fdy. & Machine Co., Nelsonville, O.
Ottumwa Iron Works, Ottumwa, Ia.
Power Specialty Co., 111 B'way, New York
Scottdale Foundry & Machine Co. ("Robinson"), Scottdale, Pa.
South Side Foundry & Machine Works ("Kanawha"), Charleston, W. Va.
Southern Illinois Machine & Foundry Co., Murphysboro, Ill.
Stine, J. C., Co. (6 to 30 ft in diameter), Tyrone, Pa.
Stine, S. B., Osceola Mills, Pa.
Sullivan Machinery Co., Chicago, Ill.
United Iron Works Co., Springfield, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
WESTINGHOUSE ELECTRIC & MFG. CO., Union bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Wing, L. J. Mfg. Co., Albany & West, N. Y.

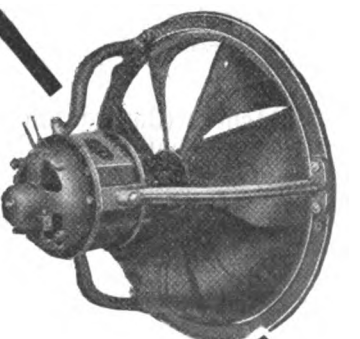
VENTILATING FANS

CONNECTED TO OUR EFFICIENT DIRECT OR ALTERNATING CURRENT MOTORS

MOVE THE MOST AIR FOR THE LEAST MONEY

For Direct Current	18 In. to 42 In. FANS
Single Phase Alternating	18 In. and 24 In. FANS
Polyphase Alternating	18 In. to 36 In. FANS

SEND FOR FOLDER No. 417.



The Mechanical Appliance Co.

MILWAUKEE, WIS.

NEW YORK OFFICE, 30 Church Street.

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Fans (Ventilating)

(See Fans, Exhaust or Ventilating)

Fans (Ventilating, Engine Connected)

(See Blower Manufacturers)

Fans (Water Motor)

Backus Water Motor Co., Newark, N. J.
Bates, D. J. & Bro. Co., Dayton, O.
Chicago Water Motor & Fan Co., 40 Dearborn, Chicago, Ill.
Hunter Fan & Motor Co., Fulton, N. Y.
Indiana Fan Co. (Desk & Column), Indianapolis, Ind.
Rosenberg, A., Motor & Mfg. Co., Baltimore, Md.

*Fasteners (Bale Tie)

ACME STEEL GOODS CO., 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)
CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)

Fasteners (Blind)

Eagan, Thos. F. Hardware Co. (Storm Window), Worcester, Mass.
Folsom Snow Guard Co., 7 Water, Boston, Mass.
Parker, Chas., Co., Meriden, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Center, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Wrightsville Hardware Co., Wrightsville, Pa.

Fasteners (Box)

ACME STEEL GOODS CO. (Box, Board & Shook), 2834-2840 Archer av, Chicago, Ill. (See adv. index, end of book)
American Novelty & Mfg. Co. ("Defiance," "Climax" & "Excelsior"), 1826 N B'way, St. Louis, Mo.
CARY MFG. CO. (Box Board & Shook), 19 Roosevelt, New York. (See adv. index, end of book)
Crescent Metal Strap Co., 380 Canal, New York
De Haven Mfg. Co., 50-54 Columbia Heights, Brooklyn, N. Y.
Independent Steel & Wire Co., Pittsburg, Pa.
STANLEY WORKS, New Britain, Conn. (See adv. index, end of book)

Fasteners (Button)

Trojan Button Fasteners Co., Troy, N. Y.

Fasteners (Chain Door)

Yale & Towne Mfg. Co., 9 Murray, New York

Fasteners (Conduit)

Hart & Hegeman Mfg. Co. (For Holding Flexible Conduits in Wall Cases), Hartford, Conn.

Fasteners (Corrugated Steel)

ACME STEEL GOODS CO. ("Acme"), 2834-2840 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)
CARY MFG. CO., 19 Roosevelt, New York. (See adv. index, end of book)
Corrugated Steel Nail Co., Springfield, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Rex Corrugated Fastener Co. ("Rex"), Williamsport, Pa.
Smallwood, W. R. Mfg. Co., Gowanda, N. Y.
STANLEY WORKS, New Britain, Conn., & 79 Chambers, New York. (See adv. index, end of book)
Wrightsville Hardware Co., Wrightsville, Pa.

Fasteners (Curtain)

Carr, F. S., 74 Pearl, Boston, Mass.
Cowles, C. & Co., Water c Chestnut, New Haven, Conn.
Neider, F. A. Co., Augusta, Ky.
Roehm & Davison (Ltd.), 91 Woodbridge, W. Detroit, Mich.
Smith, Jos. N. Co., 4th & Porter, Detroit, Mich.
Weiss, Chas. & Son, 4725 Cottage Grove av, Chicago, Ill.

Fasteners (Freight Car Door)

Dayton Malleable Iron Co., Dayton, O.

Fasteners (Guard Rail)

American Guard Rail Fastener Co. (Pressed Steel & Malleable Iron), Real Estate Trust bldg, Phila., Pa.
Quincy-Manchester-Sargent Co. ("American"), Old Colony bldg, Chicago, Ill., & 90 West, New York

Fasteners (Horse Blanket)

American Snap Co. ("Hubbard"), Ashtabula, Ohio

Fasteners (Nut & Bolt)

American Nut & Bolt Fastener Co ("Barclay" for Splice Joints, Car Trucks, etc.), North Side, Pittsburg, Pa.

Fasteners (Paper)

Hotchkiss, E. H., Co. (Fastener & Tacker), Norwalk, Conn.
O. K. Mfg. Co. (Inc.), ("Washburne's-O-K" Adjustable), Syracuse, N. Y.
Superior Mfg. Co. ("Superior"), Sidney, O.
Thomas Stationery Mfg. Co. (For the Counting House), Springfield, O

Fasteners (Sash)

Champion Safety Lock Co. ("Champion," "Euclid" & "Monitor" Never Break), Geneva, O.
Corbin, P. & F., New Britain, Conn.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Ives, Hobart B. Co. ("Crescent"), New Haven, Conn.
Judd, Rollin D., New Britain, Conn.
Miller Sash Lock Co., 408 Olive, St. Louis, Mo.
Norwalk Lock Co., S Norwalk, Conn.
Onward Mfg. Co. ("Awbrite"), Menasha, Wis
Peck, Stow & Wilcox Co., Southington, Conn.
Penna. Hardware Co., Reading, Pa.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pullman Mfg. Co., Rochester, N. Y.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Center New York
Schroeder, Anton, 888 Dayton ave., St. Paul.
Shaw, Irvin A., Hutchinson, Kan.
Yale & Towne Mfg. Co., 9 Murray, New York; Works: Stamford, Conn.

Fasteners (Seat)

Sovereign, C. E. Co., Rockford, Ill.

Fasteners (Slate)

Hamblin & Russell Mfg. Co., Worcester, Mass.

Fasteners (Storm Window)

Eagan, Thos. F., Worcester, Mass.
Kieffer Bros., Syracuse, N. Y.
Phenix Mfg. Co. ("Phenix" Hanger & Fastener), Humbolt av c Center, Milwaukee, Wis.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Whitney Mfg. Co., Waltham, Mass.
Woodruff, W. W. & Sons Co. ("Doblers"), Mt. Carmel, Conn.

Fasteners (Typewriter)

Merrow, Fred. S. ("Merrow" Screwless), Woodfords, Portland, Me.

Fasteners (Window)

Edwards, O. M., Co., Syracuse, N. Y.
Kees, F. D. Mfg. Co. ("Gossett," Window & Screen), Beatrice, Neb.
Little, O. C. Pulley Coating Co., Menasha, Wis.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Russell & Erwin Mfg. Co. (Casement Window & Cellar Window), New Britain, Conn., & 96 Lafayette New York
Woodruff, Walter W. & Sons Co. ("Doblers"), Mount Carmel, Conn.

Faucets

(See also Plumbers' Brass Goods; also Cocks; also Cocks & Bibbs of Various Kinds)

Asbell, S. J. Co. (Brass), Paterson, N. J.
Bashlin Co., Warren, Pa.
Bishop & Babcock Co. (Bar), Cleveland, O.
Chambers & Co. (Beer, etc.), Newark, N. J.
Economy Faucet Co. ("Economy"), Providence, R. I.
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1138 Ridge av, Philadelphia, Pa.
Haydenville Co., (Compression, Fuller Pattern Lever Handle & Self Closing), Haydenville, Mass.
King, W. D. Co., Reading, Pa.
Hermance Mfg. Co., Syracuse, N. Y.
Landers, Frary & Clark (Milk Can, Cream Separator, Petroleum Oil, etc.), New Britain, Conn.
McKenna Bros. Brass Co., 1st av & Ross, Pittsburg, Pa.
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO. (Water Cooler, Oil Can, Milk Can, Coffee Urn), 227 Campbell av, Detroit, Mch. (See adv. index, end of book)
Meyer-Saiffen Co., 11 W 38th, New York
Mott, J. L. Iron Works, 118 5th av., New York
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Sanitary Co. (The Paragon), Cleveland, O.
Simplex Faucet Co. (Hot or Cold), Bridgeport, Conn.
Standard Brass & Iron Works ("Standard" Bar Drop Handle, etc.), Milwaukee, Wis.
Syracuse Faucet & Valve Co. (Without Packing), Syracuse, N. Y.

Faucets (Molasses)

North Bros. Mfg. Co. ("Improved Weed"), Lehigh av & American, Philadelphia, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Faucets (Self Measuring)

Lane Bros. Co., Poughkeepsie, N. Y.

Faucets (Stoneware)

Graham, Chas. Chemical Pottery Wks., 986 Metropolitan av, Brooklyn, N. Y.

Faucets (Tea & Coffee Urn)

Peck Bros. & Co., New Haven, Conn.

Faucets (Wood)

Burnside Mfg. Co. (Cedar), Burnside, Ky.
Redlich Mfg. Co. (Wood, Cork-Lined, Cedar, Lock-Key, Metal Plug, etc.), 2 Oak, Chicago, Ill.
Sommer's, Jno. Son (Over 100 Different Kinds, Plain, Corked & Leather Lined, etc.), Newark, N. J.

Feed Water Heaters

(See Heaters, Feed Water)

Feeders (Aluminum Railway)

Aluminum Co. of America, Pittsburg, Pa.

Feeders (Boiler)

American Injector Co. ("U. S." Automatic Injector), Detroit, Mich.
Catchpole Boiler, Fdry. & Mach. Co., Geneva, N. Y.
Chaplin-Fulton Mfg. Co., 28 Penn av, Pittsburg, Pa.
Davis, G. M. Regulator Co. (& Heater), 144 Milwaukee av, Chicago, Ill.
Foskett & Bishop Co., New Haven, Conn.
Foster, F. W. Mfg. Co. ("Neirlek," Automatic), 99 Haverhill, Boston, Mass.

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Gillis & Geoghegan, 537 W B'way, New York
Kelley & Jones Co., 135 Water, Pittsburg, Pa.
Keyes, F. E. & Son ("Advance"), 20 Broad, New York
Kieley & Mueller, 34 W 13th, New York
Kitts Mfg. Co. (High & Low), Oswego, N. Y.
Lawler Regulator Co. ("Lawler's" Automatic, for Low Pressure), 473 W B'way, New York
LUNKENHEIMER CO., Cincinnati, O. (See adv. index & branch offices, end of book)
McRae & Roberts Co., Detroit, Mich.
Nason Mfg. Co., 71 Beekman, New York
Parker Boiler Feed Co., Rochester, N. Y.
Randle Machinery Co. ("Leader"), 1724 Powers, Cincinnati, O.
Roots, P. H. & F. M. Co., Connersville, Ind.
Rutaler, E. Co. ("Low Pressure. Automatic"), 127 White, New York
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
SIMMONS, JOHN CO., 106 Centre, New York. (See adv. index, end of book)
Standard Steam Specialty Co. ("Utility," High & Low Pressure), 543 W B'way, N. Y.
Warren Steam Pump Co., Warren, Mass.
Watson, N. A., Erie, Pa.
Wright, Geo. W., Lapel, Ind.

Feeders (Boiler Oil)

Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
LUNKENHEIMER CO. ("Standard" & "Emerald"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO. ("Neverfail"), 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Michigan Lubricator Co., Detroit, Mich.
Powell, Wm., Co. (Boiler Oil), 2829 Spring Grove av, Cincinnati, O.
Sims Co. (Boiler Oil), Erie, Pa.
Talmage Mfg. Co., Cleveland, O.
Watts Regulator Co. ("Shoo Fly"), Lawrence, Mass.

Feeders (Coal Dust)

(See Burners, Coal Dust)

Feeders (Fuel)

Dixie Mfg. Co. (Automatic Furnace), Baltimore, Md.
Garland, M. Co., Bay City, Mich.
Phoenix Mfg. Co. (Automatic, Sawdust), Eau Clair, Wis.
Porbeck, Otto (Furnace), 2017 N B'way, St. Louis, Mo.

Feeders (Furnace)

Cyclone Blow Pipe Co. (Automatic), 70 W Jackson boul, Chicago, Ill.
Dixie Mfg. Co. (Automatic), Baltimore, Md.
Hartford Blower Co., Hartford, Conn.
Ohio Blower Co., Cleveland, O.
Venderbush & Looman (Automatic), Detroit, Mich

Feeders (Ore)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co. ("Plunger"), Basic City, Va.
Chalmers & Williams ("Challenge" Plunger), Commercial Bank bldg, Chicago, Ill.
Davis, F. M. Iron Works Co., 8th & Larimer, Denver, Col.
Frenier, J. H. & Son, Rutland, Vt.
Hammond Mfg Co., 100 1st, Portland, Oregon
Harron, Richard & McCone ("James"), San Francisco, Cal.
Hendy, Joshua Machine Works, San Francisco, Cal.
Krom Machine Works, 170 B'way, New York; Works, Jersey City, N. J.
McFarlane Mfg. Co., Denver, Colo.
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co., Denver, Colo.
Newkirk, H. A. & Co. ("The Wood"), Monadnock blk, Chicago, Ill
Power & Mining Machine Co., ("Challenge"), Cudahy, Wis.
Union Iron Works Co., San Francisco, Cal.
Wellman-Seaver-Morgan Co., Cleveland, O.

Feeders (Stone Sawing)

Kelly & Jones Co., 135 Water, Pittsburg, Pa

Feeds (Roll & Dial)

Hibbard, Wm. H. Mfg. Co., Washington av, Brooklyn, N. Y.

Feldspar Miners

Eureka Flint & Spar Co., Trenton, N. J.
Golding & Sons Co., Wilmington, Del.
GUILFORD & WALTERSVILLE Granite Co. (Rough & Ground), 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
International Mineral Co., Ticonderoga, N. Y.
Penna. Feldspar Co., Phila., Pa.
PETERSBURG GRANITE CO. (Rough or Ground), 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
Sparvelta Mining Co., Baltimore, Md.
Twin Oaks Feld Spar Co., Standcliff & Williams, Sales Agents, 315 Land Title bldg, Phila, Pa. Quarries: Twin Oaks, Pa.

Felt Hardeners

Farrel Foundry & Machine Co., Ansonia, Conn.

Felt Mills

(See also Felts, Hair)

American Felt Co., 110 E 13th, New York
Bacon, C. N. Felt Works, Winchester, Mass.
Bardeen Paper Co., Otsego, Mich.
Carey, Philip, Mfg. Co. (Asbestos & Wool Felts), Lockland, O.
Dolge, Alfred Mfg. Co., Dolgeville, Cal.
Faatz-Reynolds Felting Co. (Wool), Lestershire, N. Y., & 648 B'way, New York
Field & White, 116 Nassau, New York
Foot Mfg. Co., Jersey City, N. J.
Garrett, C. S. & Son Co., 22 S Marshall, Philadelphia, Pa.
General Roofing Mfg. Co., East St. Louis, Ill., & Chicago, Ill.
Stroock Felt Co., Newburgh, N. Y.
Union Roofing & Mfg. Co., St. Paul, Minn.
Williams & Paige, 68 Essex, Boston, Mass.

Felt Wicks, Plugs, Washers, Strips, Etc.

Bowen Manufacturing Co., Auburn, N. Y.

Felts (Deadening)

Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Bird, F. W. & Son (Non-Inflammable, Sanitary), East Walpole, Mass.
Carey, Philip Mfg. Co., Lockland, O.
Chatfield Mfg. Co., Cincinnati, Ohio
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Garrett, C. S. & Co., 21 Decatur, Phila., Pa.
General Roofing Mfg. Co., East St. Louis, Ill., & Chicago, Ill.
Johns, H. W.-Manville Co., 100 William, New York
Kingston's, Wm. Son, Little Falls, N. Y.
Mac-Sim-Bar Paper Co. (Building), Otsego, Mich.
New York Asbestos Mfg. Co., 80 John, New York
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Union Fibre Co. ("Lith," "Linofelt" & Quilted Flax Fibre & Mineral Wool Sound Deadener), Winona, Minn.
Union Roofing & Mfg. Co., St. Paul, Minn.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Felts for Electrical Purposes

(See also Felt Mills; also Felts, Hair)

American Felt Co., 110 E 13th, New York
Bacon Felt Co., Winchester, Mass.
Booth, N. E., 745 39th, Brooklyn, N. Y.
Faatz-Reynolds Felting Co. (Wool), Lestershire, N. Y., & 719 B'way, New York
Stroock Felt Co., Newburgh, N. Y.
Taylor, W. J., 733 B'way, New York
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)
Wild, Jos. & Co., 11 Thomas, New York
Williams & Paige, 68 Essex, Boston, Mass.

Felts (Hair)

American Hair Felt Co., 67 Beekman, New York
Baeder, Adamson & Co., 210 Chestnut, Philadelphia, Pa.
Carey, Philip Mfg. Co., Lockland, O.
Faatz-Reynolds Felting Co. (Wool), Lestershire, N. Y., & 648 B'way, New York
Johns, H. W.-Manville Co. (For Refrigeration & Hot & Cold Water Pipes), 100 William, New York
Pittsburg Hair Felt Co., Sharpsburg, Pa.
Sindle, S., & Sons (also Felt Wool), Little Falls, N. Y.
Trainer, C. W. Mfg. Co., 89 Pearl, Boston, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Felts (Polishing)

Bacon, C. N. Felt Works, Winchester, Mass.
Eastern Felt Co. (Sheets), Winchester, Mass.
Foot Mfg. Co., Jersey City, N. J.
Stroock Felt Co., Newburgh, N. Y.
Williams & Paige, 68 Essex, Boston, Mass.

Felts (Roofing)

(See also Papers, Roofing & Sheathing)

Acme Asphalt Roofing Mfg. Co. ("Eagle" Brand Asphalt), 65 Mallory av, Jersey City, N. J.
Barrett Mfg. Co. (Also Tarred & Saturated Wool, Felts, etc.), Land Title bldg., Phila., Pa.
Burke, Augustus, 100 W Superior, Chicago, Ill.
Carey, Philip Mfg. Co., Lockland, O.
Chatfield Mfg. Co., Cincinnati, O.
Diem & Wing Paper Co. ("Flintoid"), 8th & Eggleston av, Cincinnati, O.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Garrett, C. S. & Son Co., 22 S Marshall, Philadelphia, Pa.
General Roofing Mfg. Co., East St. Louis, Ill., & Chicago, Ill.
Gilmour, R. M. Mfg. Co., 105 John, New York
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Hydrex Felt & Eng'g Co., 120 Liberty, N. Y.
Johns, H. W.-Manville Co., 100 William, New York
Kingston's, Wm. Son (Dry Felt), Little Falls, N. Y.
Lincoln Waterproof Cloth Co., Boundbrook, N. J.
McClintock & Irvine Co., Neville & P. R. R., Pittsburg, Pa.
Nashville Chemical Co., Nashville, Tenn.
New England Felt Roofing Works, 18 Post office sq, Boston, Mass.
North Chicago Roofing Co., 128 E North av, Chicago, Ill.
Patent Vulcanite Roofing Co., 625 S Campbell av, Chicago, Ill.
Powell, M. W. Co., 204 Dearborn, Chicago, Ill.
Powell & Jones, Monadnock blk, Chicago, Ill.
Sall Mountain Asbestos Mfg. Co., 68 S Canal, Chicago, Ill.
Scott & Co. (Asteroid), 234 E Front, Cincinnati, O.
Southern Roofing Co. (Tarred), Atlanta, Ga.
Stewart, W. H. Mfg. Co., 81 Fulton, N. Y.
Stowell Mfg. Co., Jersey City, N. J.
Sword, Roland P., Mount Holly, N. J.
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Union Roofing & Mfg. Co. ("Pyramid" Tarred), St. Paul, Minn.
Warren Bros Co. (Single, 2 & 3 ply), 93 Federal, Boston, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Felts (Tarred, Saturated)

Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Union Roofing & Mfg. Co. ("Pyramid," Brand & Asphalt), St. Paul, Minn.

Fence (Electrically Welded Wire)

Pittsburg Steel Co., Pittsburg, Pa.

*Fences (Expanded Metal)

ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)

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Fences (Iron & Steel Picket)

Albree, Chester B. Iron Works, Allegheny, Pa.
ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
Architectural Iron & Wire Works, Wheeling, W. Va
Atlanta Wire & Iron Works Co., Atlanta, Ga.
Barnum, E. T., Wire & Iron Works, 83 Washington av, Detroit, Mich.
Belmont Iron Works, 2215 Washington av, Phila., Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., Buffalo, N. Y.
CARPENTER, F. E. CO., 253 B'way, New York. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Cincinnati Iron Fence Co., Cincinnati, O.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Davis & Siehl (Steel), 4082 Hamilton av, Cincinnati, O.
DeKalb Fence Co. (Steel Web), DeKalb, Ill.
Glen Mfg. Co. ("Hartman" Wrought Steel), Ellwood City, Pa., & 181 B'way, New York
HANKE IRON & WIRE WKS., 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Indiana Steel Wire Co., Muncie, Ind.
Mack Iron Works Co., Sandusky, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Nimmo Fence & Wire Works Co., 305 E 4th, Cincinnati, O.
Page Woven Wire Fence Co. (Also Ornamental), Monessen, Pa.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Stewart Iron Works Co., Covington, Ky.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Fences (Ornamental Iron)

(See Gates, Ornamental Iron)

Fences (Woven Wire)

Acme Fancy Wire Works, Canfield & Moran, Detroit, Mich.
Adams Steel & Wire Works, Joliet, Ill.
Adrian Wire Fence Co. ("Adrian"), Adrian, Mich
American Cable Fence Co. ("Champion" Farm, Lawn & Poultry), Pekin, Ill
AMERICAN STEEL & WIRE CO. ("American," "Elwood" & "Royal" Fences), Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American Wire Fence Co. ("Model" Steel Coiled Spring), 180 La Salle, Chicago, Ill.
Anthony Fence Co. ("Anthony"), Tecumseh Mich
Clinton Wire Cloth Co., Clinton, Mass.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind
Cyclone Fence Co., Waukegan, Ill.
Cyclone Woven Wire Fence Co. ("Cyclone" Spring Steel), Cleveland, O.
De Kalb Fence Co. ("De Kalb," Cabled Field, Hog, Poultry, Garden, Rabbit & "M. M S." Poultry), De Kalb, Ill.
Denning Wire & Fence Co. ("Jumbo," "Peerless"), Cedar Rapids, Ia
Dwiggins Wire Fence Co. ("Victor"), Anderson, Ind
Elliott & Reid Co. ("Royal," Richmond," "Ideal"), Richmond, Ind
Enterprise Foundry & Fence Co., Indianapolis, Ind
Eureka Fence Mfg. Co. ("Eureka"), Richmond, Ind
Frost Wire Fence Co., Cleveland, O.
Grand Crossing Tack Co. (Endless Coiled Spring Fence), 8 Chicago av & 79th, Chicago, Ill
Griswold Co. ("Griswold"), Sterling, Ill.
Hobulin Bros. ("Diamond"), Goodfield, Ill.
Indiana Anchor Fence Co. ("Indiana"), South Bend, Ind
Indiana Steel & Wire Co., Muncie, Ind.
Interlocking Fence Co. ("Crown"), Morton, Ill.
International Steel Post Co., St. Louis, Mo.
Iona Fence & Wire Works Co., Carroll, Iowa
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Janesville Barb Wire Co., Janesville, Wis.
Keystone Steel & Wire Co. ("Keystone," "Monarch" & "Square Deal" Poultry), Peoria, Ill.
Kitselman Bros., Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Lafayette Fence & Machine Co., Lafayette, Ind.
Lamb Wire Fence Co. ("Standard," "Peerless," "Lamb"), Adrian, Mich.
Leader Fence Machine Mfg. Co. ("Leader"), St. Charles, Ill.
Missouri Anchor Fence Co., St. Joseph, Mo.
Myers, Chas. H. & Co. ("De-Mand-a"), Le Roy, Ill.
New Jersey Wire Cloth Co., Trenton, N. J.
Page Woven Wire Fence Co. ("Page"), Monessen, Pa.
Pittsburg Steel Co. ("Pittsburg" Perfect), Pittsburg, Pa.
Shimer & Co., Anderson, Ind.
Spring Steel Fence & Wire Co., Anderson, Ind.
Standard Wire Fence Co., Canandaigua, N. Y.
Warner Fence Co., Ottawa, Kan.

Fenders (Brass & Iron)

(See also Fire Place Furnishings, Manufacturers)

BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)

Fenders & Guards (Automobile)

American Auto Brass Co., Columbus, Ohio.
American Veneer Co., New Orange, N. J.
A-Z Co., 527 W 56th, New York
BADGER, E. B. & SONS CO., 75 Pitts, Boston, Mass. (See adv. index, end of book)
Briscoe Mfg. Co., Detroit, Mich.
Broc Carriage & Wagon Co., 417 Case av, Cleveland, Ohio
Cole & Woop, 48 W 67th, New York
Dann Bros. & Co., 80 Franklin, New Haven, Conn.
Detroit Automobile Top Co., 205 Jefferson av, Detroit, Mich.
Detroit Motor Car Supply Co., 1050 Jefferson av, Detroit, Mich.
Everitt, B. F., 63 Fort E, Detroit, Mich.
Feidlers Mfg. Co., 1502 Genesse, Buffalo, N. Y.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Gray, Peter & Sons, 88 Union, Boston, Mass.
Hayes Mfg. Co., Detroit, Mich.
Indianapolis Dash Co., 2116 S Meridian, Indianapolis, Ind.
Kells, W. J. Mfg. Co., Jersey City, N. J.
Kinsey Mfg. Co., 1126 E 3d, Dayton, O.
Long Mfg. Co., 1430 Michigan av, Chicago, Ill.
McKinnon Dash Co., 250 Amherst, Buffalo, N.Y.
Moore-Munger Co., 602 W 52d, New York
Peters & Herron Dash Co., Gift c Culbertson, Columbus, O.
Pittsburg Reduction Co., Pittsburg, Pa.
Pursell, P. M. Mfg. Co., 802 Bleecker, New York
Quinby, J. M. & Co., 27 Division, Newark, N.J.
Reading Metal Body Co., 8th & Chestnut, Reading, Pa.
Springfield Metal Body Co., Birnie av, Springfield, Mass.
U. S. Das Fender Co., 147 E 42d, New York
Wright Cooler & Hood Co., 335 Wabash av, Chicago, Ill.
Walker, James & Son, 43 Jefferson av, Detroit, Mich.

Ferro-Alloys

Brighton Alloy Co., Station B, Cincinnati, O.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Electro-Metallurgical Co., 79 Wall, New York, & 157 Michigan av, Chicago, Ill.
Crocker Bros. (Imported English), 99 John, New York
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Noble Electric Steel Co., San Francisco, Cal.
Primos Chemical Co., Primos, Delaware Co., Pa.
Tennant's, C. Sons & Co. (Importers), 76 William, New York
Tungsten & Rare Metals Co., Beaver Falls, Pa.

Ferro-Aluminum

Aluminum Co. of America, Pittsburg, Pa.
Electric Smelting & Aluminum Co., ("Cowles"), Lockport, N. Y.
Hayman, Michael, & Co., Buffalo, N. Y.
Kemp, W. H., & Co., 165 Spring, New York
New Era Mfg. Co., Kalamazoo, Mich.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Vanadium Alloys Co., 25 Broad, New York

Ferro-Chrome

Aluminum Co. of America, Pittsburg, Pa.
Dana & Co., 32 B'way, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Electro-Metallurgical Co. (Low Carbon), 79 Wall, New York, & 157 Michigan av, Chicago, Ill.
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Metal Mfg. Co., Land Title bldg, Phila., Pa.
Potts & Whittman, North American bldg, Philadelphia, Pa.
Primos Chemical Co., Primos, Delaware Co., Pa.
Roessler & Hasslacher Chemical Co. ("Polmetos" Brand), 100 William, New York
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Ashland Iron & Mining Co. (Ferro-Silicon Only), Ashland, Ky.
Bessie Ferro-Silicon Co. (Ferro-Silicon Only, Brands "Bessie," "Pencost"), Columbus, O
Blair, Reed F. & Co., Frick bldg, Pittsburg, Pa.
Bond, Vivian & Co., 68 Beaver, New York
Cambria Steel Co. (Ferro-Manganese Only), Arcade bldg, Phila., Pa.
Carborundum Co. (Ferro-Silicon), Niagara Falls, N. Y.
Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa
Colorado Fuel & Iron Co. (Ferro-Manganese Only), Denver, Col.
Crescent Phosphorized Metal Co. (Copper, etc.), 2314 Wood, Phila., Pa.
Crocker Bros. (Imported English), 99 John, Dana & Co . 32 B'way, New York New York
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DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Goldschmidt Thermit Co., 90 West, New York
Hamilton & Co. (English), 16 S William, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Metal Mfg. Co., Land Title bldg, Phila., Pa.
Metallic Alloys Co., 32 Cortlandt, New York
Midvale Mining & Mfg. Co. ("Carbanese"), St. Louis, Mo.
Noble Electric Steel Co., San Francisco, Cal.
Potts & Whittman, North American bldg, Philadelphia, Pa.
Primos Chemical Co., Primos, Delaware Co., Pa.
Roessler & Hasslacher Chemical Co. ("Polnekmetos" Brand), 100 William, New York
Samuel Frank (Firm of), 1502 Market, Phila.,
Shepard, Chas. G., Buffalo, N. Y. Pa.
Tennant's, C. Sons & Co. (Importers), 76 William, New York
Vanadium Alloys Co., 25 Broad, New York
Virginia Electrolytic Co. (Specialty Ferro Silicon), 99 Cedar, New York. Furnaces: Holcomb, Va.
Western Foundry Supply Co., 30 Church, New York
Wilson Aluminum Co., 99 Cedar, New York; Works: Kanawha Falls, W. Va.

Ferro-Molybdenum

Electro-Metallurgical Co., 79 Wall, New York, & 157 Michigan av., Chicago, Ill.
De Golia & Atkins, Crocker bldg., San Francisco, Cal.
Foote Mineral Co., 107 N 19th, Phila., Pa.
Goldschmidt Thermit Co., 90 West, New York
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Vanadium Alloys Co., 25 Broad, New York

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Vanadium Alloys Co., 25 Broad, New York

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Ferro-Titanium

Electro-Metallurgical Co., 79 Wall, New York, & 157 Michigan av, Chicago, Ill.
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Ferro-Tungsten

Electro-Metallurgical Co., 79 Wall, New York, & 157 Michigan av, Chicago, Ill.
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LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
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Roessler & Hasslacher Chemical Co., 100 William, New York
Tennant's, C. Sons & Co. (Importers), 76 William, New York
Tungsten & Rare Metals Co. ("Beaver" Brand), Beaver Falls, Pa.
Vanadium Alloys Co., 25 Broad, New York
Virginia Electrolytic Co., 99 Cedar, New York

Ferro-Vanadium

American Vanadium Co., Pittsburg, Pa.
Electro-Metallurgical Co., 79 Wall, New York, & 157 Michigan av, Chicago, Ill.
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LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Roessler & Hasslacher Chemical Co., 100 William, New York
Vanadium Alloys Co., 25 Broad, New York
Virginia Electrolytic Co., 99 Cedar, New York

Ferrules (Brass)

American Distributing Co., Syracuse, N. Y.
American Pin Co., Waterbury, Conn.
American Ring Co., Waterbury, Conn.
American Tube & Stamping Co., Bridgeport, Conn.
Athol Pump Co. (for Plumbers), Athol, Mass.
BAY STATE STAMPING CO., 380 Chandler, Worcester, Mass. (See adv. index, end of book)
Boston Ferrule Co., 34 Osborn, Cambridgeport, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me
Cahil, M. F., Boston, Mass.
Campbell, J. B. Brass Works (End Reducing & Trap Screw), Erie, Pa.
Edwardsville Brass Co. (For Plumbing), Edwardsville, Ind
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Green, C. E. & Son, 95 Passaic, Newark, N. J.
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Humphrey, H. W. (Solid), Unionville, Conn.
HUNGERFORD, U. T. BRASS & COPper Co. (Also Copper), 497 Pearl, New York
McNab & Harlin Mfg. Co. (For Plumbing), 56 John, New York
Matthews Mfg. Co., Worcester, Mass.
MERCHANT & EVANS CO. (Inc.) (Seamless), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Mueller, H. Mfg. Co. (For Plumbing), Decatur Ill
National Mfg. & Supply Co. ("Standard" & Extra Heavy), Minneapolis, Minn.
NIAGARA HANDLE & FERRULE CO., 321 No. Holliday, Baltimore, Md. (See adv. index, end of book)
Novelty Mfg. Co. (Small), Waterbury, Conn.
Ohio Brass & Iron Mfg. Co. (For Plumbing) Cleveland, O
Parker, Jno. L. Co., Worcester, Mass.
Peck Bros. & Co., 125 Chestnut, New Haven, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Russell, J. M. Mfg. Co., Nangatuck, Conn.
Sanitary Co. (For Plumbing), Cleveland, O.
Sparks, Withington Co., Jackson, Mich.
Starbuck, R. M. & Son (Plumbers), Hartford, Conn
Steele & Johnson Mfg. Co., Waterbury, Conn.
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WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Ferrules (Copper)

Brunswick Mfg. Co., (Plain & Nickel Plated) Brunswick, Me.
HUNGERFORD, U. T., BRASS & Cooper Co. (Boiler Flue), 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.) (Seamless), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Rome Brass & Copper Co., Rome, N. Y.

Ferrules (Fibre)

(See Fibre, Hard; also Ferrules, Condenser, Hard Fibre)

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CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)

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Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
Cahil, M. F. (Steel), Boston, Mass.
Humphrey, H. W. (Steel), Unionville, Conn.
Lathrop, F. B. (Steel), South Acton, Mass.
Matthews Mfg. Co. (Steel), Worcester, Mass.
NIAGARA HANDLE & FERRULE CO., 321 No. Holliday, Baltimore, Md. (See adv. index, end of book)
Parker, Jno. L. Co., Worcester, Mass.
Pratt Chuck Co. (Drawn), Frankfort, N. Y.
Sparks, Withington Co. (Steel Hoe, Fork, Rake, etc.), Jackson, Mich.
Union Hdw. Co., Torrington, Conn.
Wilcox, Crittenden & Co., Middletown, Conn.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Ferrules (Lead)

(See Lead Traps, Bends & Ferrules)

Ferrules (Screw Driver)

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Sparks, Withington Co., Jackson, Mich.

Ferrules (Tin & Sheet Metal)

Consolidated Fruit Jar Co (Sheet Metal), New Brunswick, N. J., & 200 B'way New York
Humphrey, H. W., Unionville, Conn.

Ferrules (Wire)

Green, C. E. & Son, 95 Passaic, Newark, N. J.
Lathrope, F. B., South Acton, Mass.
Wire Goods Co., Worcester, Mass.

Fibre Boards

(See Fibre, Hard)

Fibre (Brush)

American Fibre Co. (Palmetto), Jacksonville, Fla.
Whiting, E. B. & A. C. ("Tampico"), Burlington, Vt.
Wilkens Bros., 264 Spring, New York

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Fibre (Electrical)

(See Fibre, Hard)

*Fibre (Friction)

DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)

Fibre (Hard)

(In Sheets, Rods, Tubing, Etc.)

AMERICAN VULCANIZED FIBRE CO. (Vulcanized, also Flexible), Wilmington, Del. (See adv. index, end of book)
Available Hard Fibre Co., Merrimac, Mass.
Continental Fibre Co., Newark, Del.
Crescent Fibre Co. (Sheets Only), Norristown, Pa.
DELAWARE HARD FIBRE CO., Wilmington, Del; Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Also Flexible), Elsmere, Del. (See adv. index, end of book)
Elastoid Fibre Co., Boston, Mass.
Empire Fibre Co. (Also Soft), 25 W 42d, New York
Empire Mfg. Co., Wilmington, Del.
Keystone Fibre Co., Chester, Pa.
Leatheroid Mfg. Co. (For Trunks, Dress Suit Cases, etc.), Kennebunk, Me.
Morris Electric Co., Wilmington, Del.
National Fibre Board Co. (Electrical), Boston, Mass. Mills: Kennebunk, Me.
National Fibre & Insulation Co., Yorklyn, Del.
Spaulding, J. & Sons Co., North Rochester, N. H.
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Fibre Kitchen Ware

Keyes Fibre Co., Shawmut, Me.

*Fibre (Sheet)

(See also Fibre, Hard)

AMERICAN VULCANIZED FIBRE CO. (Vulcanized, also Flexible), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO. (All Kinds), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

*Fibre (Trunk & Suit Case)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Fibre (Vulcanized)

(For Electrical & Mechanical Purposes)

AMERICAN VULCANIZED FIBRE CO. (also Flexible), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del.; Works: Marshalltown, Del. (See adv. above)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Marshall Bros., Yorklyn, Del.
Marshall & Mitchell, Wooddale, Del.
MORRIS ELECTRIC CO., Wilmington, Del.
WILMINGTON FIBRE SPECIALTY CO. (All Kinds), Wilmington, Del. (See adv. index, end of book)

Figures (Lead)

Wilcox, Crittenden & Co., Middletown, Conn.

Filaments (Incandescent Lamp)

Electrical Accessories Co. (Importers), 1133 Broadway, New York
Fahn & McJunkin ("Planchon"), 201 E 16th, New York
Filament Supply Co., 625 E 1st, S. B., Boston, Mass.
Jackson, Francis, E Orange, N. J.

File Renewing

AMERICAN FILE RENEWING CO., Providence, R. I. (See adv. following page)
Ohio File Renewing Co., Niles, O.

File & Rasp Mfrs.

Akron File Co., Akron O.
American Swiss File & Tool Co., 24 John, New York; Factory: Elizabeth, N. J.
Barnett, G. & H. Co., 21 Richmond, Phila., Pa.
Brohm & Molitor, 257 S. Pearl, Albany, N. Y.
Buckeye Saw Mfg. Co. (Hand Cut), Columbus, Ohio
Carver File Co. ("Delta"), 3235 Frankford av, Philadelphia, Pa.
Chatterton File Works (Hand Cut), Providence, R. I.
Chelsea File Works, Norwich, Conn.
Co-operative File Co., Lawrence, Mass.
Disston, H. & Sons (Inc.), Tacony, Phila., Pa.
Dixon, Wm. (Inc.) (Also Importers "Glardon" Swiss Files), 39 John, New York
Flanagan, M., 181 Brewery, New Haven, Conn.
Forquignon Mfg. Co., 142 W 18th, New York
Gem City File Works, Quincy, Ill.
Goerner & Plang, Akron, O.
Graves File Co. (Hand Cut), Newark, N. J.
Grover, Jno. B. File Co., Nashua, N. H.
Hayes File Co. (For Solder, Babbitt Metal, etc.), Detroit, Mich.

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Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J
Hiscox, A. J., Worcester, Mass.
Industry File Works, 1736 Columbus rd, N W Cleveland, O
Jetter Mfg. Co., 861 Jefferson, Buffalo, N. Y.
Johnson & Bro. File Co., 156 Avon av, Newark, N. J.
Litterst Co., Menlo Park, N. J.
Liveright Bros., 20th c Allegheny av, Phila., Pa.
McCaffrey File Co., 5th & Berks, Phila., Pa.
Madden File Co., Middletown, N. Y.
Morris, E. K. & Co., 317 W 2d, Cincinnati, O.
Mound File Co., 712 Howard, St. Louis, Mo.
Marcott & Campbell, Union av., Brooklyn, N. Y
Kansas City File & Rasp Co., Kansas City, Mo
McClellan, Wm. & Son, 3430 Hamilton av, N E, Cleveland, O.
National File & Tool Co. ("Vixen" Patent Milling File), 2110 W Allegheny av, Phila., Pa.
NIAGARA HANDLE & FERRULE CO., 321 No. Holliday, Baltimore, Md. (See adv. index, end of book)
Nicholson File Co., Providence, R. I.
Peninsular File Works, 130 Beaubien, Detroit, Mich.
PITTSBURGH GAGE & SUPPLY CO. ("Best-Ov-All" Files), 30th & Liberty av, Pittsburg, Pa. (See adv. index, end of book)
Reichhelm, E. P. & Co. ("American Swiss"), 24 John, New York
Rex File & Saw Co., Newcomerstown, O.
Reynolds Bros. (Hand Cut), 102 W Spring, Columbus, O.
Shedinger, Wm. (Needle, Broach, etc.), Tacony, Philadelphia, Pa.
Simonds File Co., Fitchburg, Mass.
Stanley, Calrow L. (Roll Files a Specialty), Lowell, Mass.
Stokes Bros. Mfg. Co., Freehold, N. J.
Stubbs Steel Co., 17 N 5th, Phila., Pa.
Thornhill, Robert, 59 Preble, Portland, Me.
Troy File Works, Troy, N. Y.
Westphal, F. & Co., 31st & Cherry, Milwaukee, Wis.
WHITMAN & BARNES MFG. CO. ("W. & B."), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

*Files (Bill)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Files (Horse Tooth)

Arcade Mfg. Co., Freeport, Ill.
Horn, Wm. H. & Bro., 451 N 3d, Phila., Pa.

Files (Milling)

National File & Tool Co. ("Vixen"), 2110 W Allegheny av, Phila., Pa.

Files ("Weed's" Slim Taper)

Nicholson File Co., Providence, R. I.

Filing Cabinets & Devices

American Bolt & Screw Case Co. (Plumbers' Revolving), Dayton, O.
Amberg File & Index Co., 438 Fulton, Chicago, Ill., & 79 Duane, N. Y.
American Sectional Furniture Co. (Sectional Stack, Top Book Case, Card Indexes, Document Files, etc.), Minneapolis, Minn.
Art Metal Construction Co. (Sheet Steel), Jamestown, N. Y.
Automatic File & Index Co. (Automatic Vertical & Sectional Filing Cabinets, etc.), Green Bay, Wis.
BERGER MFG. CO., THE (Steel), Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Browne-Morse Co., Muskegon, Mich.
Caldwell, Jos. S. ("Well's" Adjustable, Wood Only), Syracuse, N. Y.
Canton Art Metal Co. ("Steel"), Canton, O.
Casler, W. P., Mfg. Co., Little Falls, N. Y.
Clarke & Baker Co., Ilion, N. Y.
Dick, A. B. Co., 161 W Jackson boul, Chicago, Ill.
Dust Proof Furniture Co. (Dust Proof Ball Bearing), Rochelle, Ill.
Economy Drawing Table Co. (For Blue Prints, etc.), Toledo, O.
Ehman, C., & Co. (Index Cabinets & Sectional Filing), Decatur, Ill.
Eller Mfg. Co. (Steel & Sectional Metallic), Canton, O.
Federal Steel Fixture Co. (Steel), 497 W Kinzie, Chicago, Ill.
GENERAL FIREPROOFING CO. ("All-steel," Metallic), Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)
Globe-Wernicke Co., Cincinnati, O.
Gunn Furniture Co., Grand Rapids, Mich.
Household Cabinet Works, Providence, R. I.

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Jamestown Metal Furniture Co. (Metallic), Jamestown, N. Y.
Koller & Smith (Inc.), 298 B'way, New York
Krag Imperial Cabinet Co. ("Allsteel"), 816 Fulton, Chicago, Ill.
Library Bureau (Metallic), 530 Atlantic av, Boston, Mass.
Macey Co. (Ltd.), Grand Rapids, Mich., & 343 B'way, New York
Metal Sectional Furniture Co. (Steel), Benton Harbor, Mich.
Moon Desk Co., Muskegon, Mich.
Office, Bank & Library Co. (Metallic & Wood), 157 Summer, Boston, Mass.
Ohmer's, M. Sons Co., Dayton, O.
Rockwell-Wabash Co., 170 Wabash av, Chicago, Ill.
Shaw-Walker Co., Muskegon, Mich.
Steel Fixture Mfg. Co. (Metallic), Topeka, Kan.
VAN DORN IRON WORKS CO. (Steel), 2685 N 79th, Cleveland, O. (See adv. index, end of book)
Wabash Cabinet Co., Wabash, Ind.
Wagemaker Co., Grand Rapids, Mich.
Walker, David D. Co. ("Walker's" Vertical Cabinets, to the Trade Only), 79 Lake, Chicago, Ill.
Weis Mfg. Co., Monroe, Mich.
Yawman & Erbe Mfg. Co., Rochester, N. Y., & 380 B'way, New York

Filing Case Flexible Fronts

Flexifold Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.

Fillers (Asphalt)

Ellis Bros. ("Bitose"), E Brooklyn, Baltimore, Md.
Standard Asphalt & Rubber Co. ("Sarco," for Deadening & Waterproofing Brick & Block Pavements), 205 La Salle, Chicago, Ill.
Texas Co. ("Texaco" for Brick, Wood-Block & Granite Pavements), Houston, Tex., & 17 Battery, New York

Fillers (Barrel)

Cleveland Steam Gauge Co., Cleveland, O.
Moran Flexible Steam Joint Co. (Automatic), Louisville, Ky.

Fillers (Dry Battery)

International Acheson Graphite Co. ("Acheson" Graphite), Niagara Falls, N. Y.

*Fillers (Dry Earth)

WILBUR, JOB, CO. Office, Providence, R. I. Factory, Phila., Pa. (See adv. index, end of book)

Fillers (Engineers' Oil)

Wall, P., Mfg. Supply Co., Allegheny, Pa.

Fillers (Iron Casting)

Canton Paint & Varnish Co., Canton, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)

Fillers (Iron Paste)

(See Iron Paste Fillers)

Fillers (Iron & Steel)

Acme White Lead & Color W'ks, Detroit, Mich.
BINSWANGER, B. & CO., 115 N 4th, Phila., Pa.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Forest City Paint & Varnish Co., Cleveland, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Grogan, H. F. & Co., 2113 E Sergent, Phila., Pa.
Keystone Paint & Filler Co., Muncy, Pa.
King Paint Mfg. Co. (Iron), 27 Dunham pl, Brooklyn, N. Y.
Lawrence-McFadden Co., 1400 Franklin, Phila., Pa.
Lucas, John & Co., 322 Race, Phila., Pa.
McLennan Paint Co. (Ltd.), Detroit, Mich.
National Fire-Proof Paint Corporation, Joliet, Ill.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Smith, Edw. & Co., 141 B'way, New York
Smith Paint & Varnish Co., 329 Chestnut, Milwaukee, Wis.
Suydam, M. B. Co., 61st & Butler, Pittsburg, Pa.
U. S. GUTTA PERCHA PAINT CO. ("Rice's" Corliss Vulcan), 12-80 Dudley, Providence, R. I. (See adv. index, end of book)
United States Paint Co., Williamsport, Pa.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
WILBUR, JOB, CO. (Iron). Office, Providence, R. I. Factory, Phila, Pa. (See adv. index, end of book)
Wilhelm, A. Co. (Liquid & Paste), Reading, Pa.
Wisconsin Graphite Co. (Graphite), Stevens Point, Wis.

Fillers (Paint)

St. Louis Surfacer & Paint Co. ("Metalsteel"), 26 S Commercial, St. Louis, Mo.
Wainwright, John C. A., Spring City, Pa.

Fillers (Paper & Linoleum)

Macneal's Varnish & Color Works, Baltimore, Md.

Fillers (Wood)

Acme White Lead & Color Works, Detroit, Mich.
Adams & Elting Co., 155 W Wash'n, Chicago, Ill.
Allentown Mfg. Co. (Paste), Allentown, Pa.
Armitage, Jno. L. & Co., Thomas c Dawson, Newark, N. J.
Atlantic Drier & Varnish Co., S Swanson & McKean, Phila., Pa.
Baldwin Filler & Varnish Co., Wyoming, Pa.
Barrett, Chas. A. P., Co., Dayton, O.
Blood, T. L. & Co., St. Paul, Minn.
Bradford, Jas. Co., 6 E 3d, Wilmington, Del.
Bridgeport Wood Finishing Co. ("Wheeler's"), New Milford, Conn.
Buckeye Paint & Varnish Co., Toledo, O.
Burdsal, A. Co., 102 S Meridian, Indianapolis, Ind.
Butterworth, C. H. Drug & Paint Co. ("American"), 62 N Front, Philadelphia, Pa.
Canton Paint & Varnish Co., Canton, O.
Chase, Roberts & Co., Long Island City, N. Y.
Chicago Wood Finishing Co., 259 Elston, Chicago, Ill
Devoe, F. W. & T. C. Raynolds, 101 Fulton New York
Eagle Paint & Varnish Co., Allegheny, Pa.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Forest City Paint & Varnish Co., Cleveland, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Graves, N. Z. & Co. (Ltd.), 3d c Arch, Phila.,
Grippin Mfg. Co., Newark, N. Y. Pa.
Grogan, H. F. & Co., 2113 E Sergeant, Phila., Pa
Howell, Chas. H. & Co., 212 Race, Phila., Pa.
Indianapolis Paint & Color Co., 244 Mass av, Indianapolis, Ind.
Kroeger Bros., 880 McKim, Baltimore, Md.
Lawrence-McFadden Co., 1400 Franklin, Phila., Pa.
McCloskey, L. J. & Co., 30th & Locust, Phila., Pa.
McLennan Paint Co. (Ltd.), Detroit, Mich.
Marietta Paint & Color Co., Marietta, O.
Masury, John W. & Son, 50 Jay, Brooklyn, N. Y.
Mepham, G. S. & Co., E St. Louis, Ill.
Moller & Schumann Co., Marcy & Flushing avs, Brooklyn, N. Y.
Nice, Eugene E. ("Nice"), 272 S 2d, Phila., Pa.
Phoenix Paint & Varnish Co., 124 Market, Phila., Pa.
Pomeroy & Fischer, 28 Frankfort, N. Y.
Ruth, B. F. & Co., Reading, Pa.
Sherwin-Williams Co., Cleveland, O.
Shoemaker, R. & Co., 4th & Race, Phila., Pa.
Smith, Edw. & Co., 141 B'way, New York
Smith Paint & Varnish Co. (Paste & Liquid), 329 Chestnut, Milwaukee, Wis.
St. Louis Surfacer & Paint Co. ("Metalsteel"), 26 S Commercial, St. Louis, Mo.
Stoekel, R. E. (Importer), 2449 3d av, New York
Suldam, M. B. Co., 61st & Butler, Pittsburg, Pa.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
Ullmann-Philpott Co., 1592 Merwin av, N W, Cleveland, O.
United States Paint Co., Williamsport, Pa.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
Wadsworth-Howland & Co., 82 Wash'n, Boston, Mass.
Waterproof Paint Co., Watertown, Mass.
Waterall, Wm. & Co., 200 N 4th, Phila., Pa.
Woodhouse, Sam'l F. (Liquid & Paste), Unity & Franklin, Phila., Pa.

Fillet (Leather)

Benskin Mfg. Co., Canton, O.
Butler, A. G., 284 Pearl, New York
Cleveland Fillet Co. ("Crescent," Wood & Leather), Cleveland, O.
Everett, A. & Son, Auburn, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Page Belting Co., Concord, N. H.
Paxson, J. W. Co., (Also Metallic), 1021 N Delaware av, Phila., Pa.
Shanafelt Mfg. Co. ("Belding"), Canton, O.
Timmis & Clissfold, Boundbrook, N. J.

Fillets (Pattern)

Benskin Mfg. Co. (Leather & Wood), Canton, Ohio
Brimm, A. W., Seneca Falls, N. Y.
Cleveland Fillet Co., Cleveland, O.
Cleveland Galvanizing Works (Steel), Cleveland, O.
Hawker, W. S., Mfg. Co., Dayton, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Knight, H. W. & Son, Seneca Falls, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
Paxson, J. W. Co., 1021 N Delaware av, Phila, Pa.
Shanafelt Mfg. Co. (Obtuse Angle Wood), Canton O.

Filter Cloth Mfrs.

Gulf Bag Co., 330 Notre Dame, New Orleans, La.
Lane, J. H. & Co., 110 Worth, New York
Milwaukee Bag Co., Milwaukee, Wis.
Shriver, T. & Co., Harrison, N. J.

*Filtering Sand

HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
NEW YORK CONTINENTAL JEWell Filtration Co., 15 Broad, New York & 167 Dearborn, Chicago, Ill. (See adv index, end of book)

*Filtering & Purifying Plant Pipes & Specials

CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)

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American Water Softener Co., 1009 Chestnut, Phila., Pa.
Dodge Mfg. Co. ("Eureka"), Mishawaka, Ind.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
Jackson Filter Mfg. Co., Chemical bldg, St. Louis, Mo.
LOOMIS-MANNING FILTER CO., 328 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)
NEW YORK CONTINENTAL JEWell Filtration Co., 15 Broad, New York, & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Pittsburg Filter Mfg. Co., Farmers Bank bldg. Pittsburg, Pa.
Reisert, Hans Co. (Ltd.) (American Branch), 50 Church, New York
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
SCAIFE, WM. B., & SONS CO. ("Scaife" & "We-Fu-G B" Systems), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
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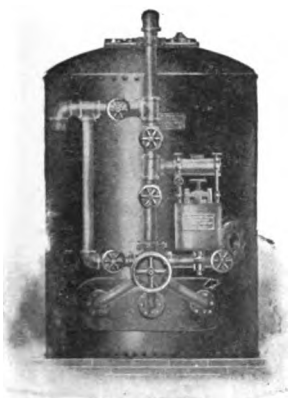
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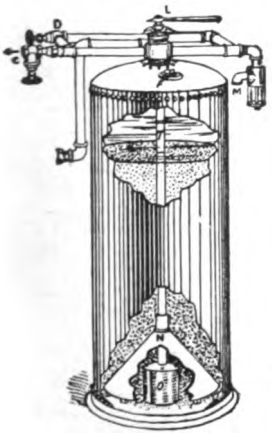
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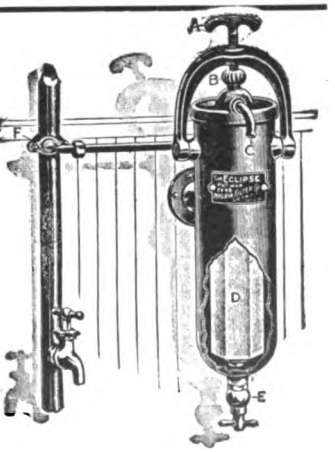
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Loew Mfg. Co. ("Loew"), Cleveland, O.
Rheinstrom Bros. ("Karl Kiefer"), 919 Martin, Cincinnati, O.

Filters (Bag)

(Is Classified in its order, under Sugar Machinery, in the Letter S)

Filters (Charcoal)

American Water Softener Co., 1009 Chestnut, Phila., Pa.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
LOOMIS-MANNING FILTER CO., 828 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)
NEW YORK CONTINENTAL JEWell Filtration Co., 15 Broad, New York & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Pittsburg Filter Mfg. Co., Farmers Bank bldg, Pittsburg, Pa.
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
SCAIFE, WM. B., & SONS CO. (Combination Charcoal & Sand), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Filters (Cyanide)

Chalmers & Williams ("Rapid," also Pressure Solution Filters), Commercial Nat'l Bank bldg, Chicago, Ill.

Filters (Faucet)

Boston Brass Co., Boston, Mass.
Haydenville Co., Haydenville, Mass.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
Jones Mfg. Co., Boston, Mass.
Landers, Frary & Clark ("Crown"), New Britain, Conn.
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
Seed Filter & Mfg. Co., 164 Duane, New York

Filters (Feed Water)

Acton, John ("Nelson"), 118 John, Brooklyn, N. Y.
American Water Softener Co. ("Brunn-Loweener"), 1009 Chestnut, Phila., Pa.
Baragwanath, Wm. & Son, 52 W Division, Chicago, Ill.
Bates Machine Co. ("Cookston" Combination), Joliet, Ill.
BEGGS, JAS. & CO. ("Blackburn-Smith" Feed Water Filter & Grease Extractor), 109 Liberty, New York. (See adv. index, end of book)
Boston Steam Specialty Co., 168 Congress, Boston, Mass.
Dodge Mfg. Co. ("Eureka"), Mishawaka, Ind.
General Engineering Co. (Inc.), 10 N. 13th, Phila., Pa.
Harrison Safety Boiler Works ("Sorge"), 17th below Allegheny av, Phila., Pa.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
International Filter Co., 17th & Wabash av, Chicago, Ill.
Jackson Filter Mfg. Co., Chemical bldg, St. Louis, Mo.
Kennicott Water Softener Co., Railway Exchange, Chicago, Ill.
Liberty Mfg. Co., 6907 Susquehanna av, Pittsburg, Pa.
LOOMIS-MANNING FILTER CO., 828 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)
McGowan, Jno. H. Co., Cincinnati, O.
Marion Incline Heater & Filter Co., Marion, Ohio
NEW YORK CONTINENTAL JEWell Filtration Co., 15 Broad, New York, & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Norwood Engineering Co., Florence, Mass.
Pittsburg Filter Mfg. Co., Farmers Bank bldg Pittsburg, Pa
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
Ross Valve Mfg. Co. ("Bailton," "Campbell") Troy, N. Y.
SCAIFE, WM. B. & SONS CO. ("Scientific"), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
U. S. Wind Engine & Pump Co. ("Tweeddale"), Batavia, Ill.
Ward & Upright Engineering Co. (Ward's Combination), 41 York, Brooklyn, N. Y.

*Filters (Gasoline)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Filters (Gravity & Pressure)

Blaisdell Co. (Pressure, for Filtering & Washing Slime), Los Angeles, Cal.
Cummings Filter Co. (Pressure Only), 27th & Liberty, Pittsburg, Pa.
Field Force Pump Co. ("Carter's"), Elmira, N. Y.
Giessel, Henry & Co. (for Cars & Stations), Chicago, Ill.
Greer Filter Co., Perry bldg, Phila., Pa.
Hungerford Filter Corporation, Harrison bldg, Phila., Pa.
HYGEIA FILTER CO. (Gravity Only), Detroit, Mich. (See adv. index, end of book)
Jackson Filter Mfg. Co., Chemical bldg, St. Louis, Mo.
Keystone Chemical Mfg. Co. ("Keystone" Pressure Filter System), Penna. bldg, Phila., Pa.
LOOMIS-MANNING FILTER CO., 828 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)
Lynn Filter Mfg. Co. (Stone Filters), 3250 Spring Grove av, Cincinnati, O.
NEW YORK CONTINENTAL JEWell Filtration Co., 15 Broad, New York, & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Pittsburg Filter Mfg. Co., Farmers Bank bldg, Pittsburg, Pa.
Reisert, Hans Co. (Ltd.) (American Branch), 50 Church, New York
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Filters (Mechanical)

(See Filters, Gravity & Pressure; also Filters, Mechanical, Sugar)

Filters (Oil)

Akron Belting Co. (Krotz), Akron, O.
Bailey, F. E. & Co. ("Rival"), Atlanta, Ga.
Burt Mfg. Co. ("Cross," "Warden," "American," "Burt"), Akron, O.
Capilar Oil Co. (For Export), 136 S 4th, Phila., Pa.
Chesterton, A. W. & Co., 64 India, Boston, Mass.
Collins Mfg. Co. ("Dixie" Automatic Oiling System), 612 Chestnut, Phila., Pa.
DONEGAN & SWIFT ("Acme"), 6 Murray, New York. (See adv. index, end of book)
Durable Steam Trap Co., Youngstown, O.
Flower, W. L. Steam Specialty Co. ("Acme," "Rex"), 311 S 8th, St. Louis, Mo.
Franklin Filter Co. ("Famous," "Franklin"), 388 N Commercial, St. Louis, Mo.
Gallway, G. W. ("Economy"), 322 Pearl, New York
Hall Mfg. Co. ("Hall," "Bartow Duplex," for Waste Oil), John & Cliff, New York
Houghton, E. F. & Co. ("The "Houghton"), 240 W Somerset, Phila., Pa.
Hudson Rolling Mill Co. ("Hudson"), Bloomfield, N. J.
INDUSTRIAL INSTRUMENT CO. ("Eclipse"), Foxboro, Mass. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co. (Automatic Pressure), Erie, Pa
Lippincott Steam Specialty & Supply Co., Newark, N. J.
Metz, R. P. Mfg. Co. ("Standard"), 608 N Hancock, Phila., Pa.
Newman-Willson Co. ("New Wonder"), Lambertville, N. J.
Northrup Lubricator Co. ("Famous"), St. Louis, Mo
Nusbaum, F. A., 950 W Washington, Dayton, Ohio
Oil & Waste Savingv Machine Co. (Turbine Centrifugal), Real Estate Trust bldg, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO. ("White Star"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Purity Oil Filter Mfg. Co. ("Ideal" & "Purity"), Pittsburg, Pa.
Robertson, Jas. L. & Sons (Inc.), 48 Warren, New York
Scranton Oil Filter Co., Scranton, Pa.
SHAW, BENJ. F. CO ("Shawco"), Wilmington, Del. (See adv. index, end of book)
Sims Co., Erie, Pa
Syracuse Gauge Mfg. Co., Syracuse, N. Y.
Turner Oil Filter Co. ("Turner"), Niles, Mich.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
Wright Mfg. Co., Detroit, Mich.

Filters (Oil from Metal Chips)

(See Separators, Centrifugal)

Filters (Oil Refiners')

Hammond Iron Works, Warren, Pa.
Struthers-Wells Co., Warren Pa.

Filters (Sand)

American Water Softener Co., 1009 Chestnut, Phila., Pa.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
LOOMIS-MANNING FILTER CO., 828 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)
NEW YORK CONTINENTAL JEWELL Filtration Co., 15 Broad, New York & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Pittsburg Filter Mfg. Co., Farmers Bank bldg, Pittsburg, Pa.
Remmers, B. & Sons (Automatic, for Sugar, Glucose & Chemical Liquors, etc.), Bourse bldg, Phila., Pa.
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Filters (Tripoli)

American Water Softener Co., 1009 Chestnut, Phila., Pa.
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
Roberts Filter Mfg. Co., 3011 Chestnut, Phila., Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Filters (Vacuum)

Taylor Foundry & Engineering Co., Grass Valley, Cal.

Filters (Waste Oil)

(See Filters, Oil)

Filters (Water)

American Water Softener Co., 1009 Chestnut, Phila., Pa.
Anderson Filter & Machine Co., 814 Jefferson, Detroit, Mich.
Atlantic Filter Co. ("Paddock"), White bldg, Buffalo, N. Y.
Berkefeld Filter Co. (A. Giesse), 4 Cedar, New York
Bishop & Babcock Co. ("Eureka"), 49th & Hamilton av, Cleveland, O.
Buffalo Mfg. Co., Buffalo, N. Y.
Buhring Water Purifying Co., 68 Murray, New York
Champion Safety Lock Co. ("Champion" Germ Proof), Geneva, Ohio
Crescent Filter & Specialty Co. ("Crescent"), New Orleans, La.
Cummings Filter Co. (Bone Black only), 27th & Liberty, Pittsburg, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Ellis Water Purifier Co. ("Ellis"), 28 School, Boston, Mass.
Field, David W., Builders' Exchange, Phila., Pa.
Fulper Pottery Co. (Portable Natural Stone, Germ Proof), Flemington, N. J.
General Engineering Co. (Inc.), 10 N. 13th, Phila., Pa., & 419 W. 42d, N. Y.
Globe Filter Co., 1015 Sansom, Phila., Pa.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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GRISCOM-SPENCER CO. ("Reilly" 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)

REILLY FILTER

FOR FILTERING

GREASE AND OIL FROM WATER

Designed for High Pressure.

Absolute Necessity in Boiler Plants.

THE GRISOM-SPENCER CO.
90 West Street, NEW YORK, N. Y.

Hungerford Filter Corporation, Harrison bldg, Phila., Pa.

HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)

International Filter Co., 17th & Wabash av, Chicago, Ill.

Jackson Filter Mfg. Co., Chemical bldg, St. Louis, Mo.

Jewell Engineering Co. ("Quartz"), 206 W Lake, Chicago, Ill.

Jones Mfg. Co. ("Gem," "Hub," "Modern," "Mystic"), 243 Franklin, Boston, Mass.

KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)

LOOMIS-MANNING FILTER CO., 828 Land Title bldg, Phila, Pa. (See adv. index & branch offices, end of book)

Lynn Filter Mfg. Co. (Quartz Filters), 3250 Spring Grove av, Cincinnati, O.

McDowell Mfg. Co. (Electric Ozone), 541 Wood, Pittsburg, Pa.

National Separator & Machine Co., Concord, N. H.

NEW YORK CONTINENTAL JEWELL Filtration Co., 15 Broad, N. Y., & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)

Norwood Engineering Co. (Filters for Mills), Florence, Mass.

Penn Engineering Co. (Inc.) (Of all descriptions), 1421 Filbert, Phila., Pa.

Philadelphia Water Purification Co. ("Elfreth"), 1700 N 12th, Phila., Pa.

Pittsburg Filter Mfg. Co., Farmers Bank bldg, Pittsburg, Pa.

Rapid Safety Filter Co., 135 Front, New York

Reed Filter Co., San Francisco, Cal.

Reisert, Hans Co. (Ltd.) (American Branch), 50 Church, New York

Roberts Filter Mfg. Co. (For Every Purpose), 3011 Chestnut, Phila., Pa.

SCAIFE, WM. B. & SONS CO. (for Dwellings, Hotels, Hospitals, etc.), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Wetherill, R. & Co. (For Water Works), Chester, Pa.

Filters (Water, Portable)

American Filter Co. ("Noxall"), Milwaukee Wis.

Aquapura Filter Mfg. Co., 302 Market, St. Louis, Mo.

Buffalo Mfg. Co., Buffalo, N. Y.

Champion Safety Lock Co. (Germ Proof), Geneva, O

HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)

Linke Acorn & Advance Filter Co. (Stone Tube), 1559 B'way, New York

Pasteur-Chamberland Filter Co. (Pasteur Germ Proof), Dayton, O

Royal Machine Co., 61 N. J. R. R. av, Newark, N. J.

Finish (Hard Oil)

(See Hard Oil Finish)

Finish (Wall)

(See Wall Finish)

Fire Brick (Ground)

Gautier, J. H., & Co. (In Barrels or Bulk), Jersey City, N. J.

Fire Clay

Argillo Works (Milled), Rock Island, Ill.

Atlanta Terra Cotta Co., Atlanta, Ga.

Baltimore Terra Cotta Works (Ground & in Bulk), Baltimore, Md.

Berry, James E., Woodbridge, N. J.

Bickford Fire Brick Co. (In Bulk or Sacks), Pittsburg, Pa.

Bloomfield Clay Co., Metuchen, N. J.

Borgner, Cyrus Co., 23d ab. Race, Phila., Pa.

Brooklyn Fire Brick Works (Inc.), 88 Van Dyke, Brooklyn, N. Y.

Buckeye Fire Clay Co. (Ground, etc.), Ubrichsville, O.

Carnegie Brick & Pottery Co., San Francisco, Cal.

Clark, N., & Sons, 17 Spear, San Francisco, Cal.

Cooper, John, 111 Clay, Brooklyn, N. Y.

Denny-Renton Clay & Coal Co., Seattle, Wash.

Didier-March Co., 50 Church, New York; Works: Keasby, N. J.

Dover Fire Brick Co., Cuyahoga Bldg., Cleveland, O. Works, Strasburg, O.

Duffy, J. P. Co., 440 E 138th, New York.

Excelsior Fire Clay Co., Lisbon, O.

Federal Clay Product Co., Mineral City, O.

FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg., New York. (See adv. index, end of book)

Fultonham Brick Co. (Ground), Axline, O.

Garfield Fire Clay Co., Robinson Pa.

Gautier, J. H., & Co. (Also Ground), Jersey City, N. J.

Harbison-Walker Refractories Co., Farmers' Bank Bldg., Pittsburg, Pa., & 1133 B'way, New York

Hatfield & Phillips, Alexandria, Pa.

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Hocking Valley Fire Clay Co. (Ground), Nelsonville, O.

Interstate Conduit & Brick Co., Scranton, Pa.

Iowa Pipe & Tile Co., Des Moines, Ia.

KREISCHER BRICK MFG. CO., 119 E 23d, New York. Works, Kreischerville, S. I., N. Y. (See adv. index, end of book)

La Clede-Christy Clay Products Co., St. Louis, Mo.

Lincoln Fire Brick & Shape Co., Farmers' Bank bldg, Pittsburg, Pa. Works, Bolivar, Pa.

Little Falls Fire Clay Co., Little Falls, Wash.

McLeod & Henry Co. (Back Combustion Chamber Arch), Troy, N. Y.

Mack Mfg. Co., Land Title bldg, Philadelphia, Pa.; Works: New Cumberland, W. Va.

Manown Mfg. Co. (Ground), 232 5th av, Pittsburg, Pa.

Massillon Stone & Fire Brick Co., Massillon, Ohio

MAURER, HENRY & SON (Ground & in Bulk), 420 E 23d, New York; Penna. bldg, Philadelphia, Pa.; Works: Maurer, N. J. (See adv. front inside cover)

MISSISSIPPI GLASS CO. (Cupola Linings or Blocks), 115 B'way, New York. (See adv. index & branch offices, end of book)

Monmouth Mining & Mfg. Co., Monmouth, Ill.

Mutton Hollow Fire Brick Co. (Ground), Woodbridge, N. J.

Negley Clay Co., Negley, O.

Nelsonville Brick Co. (Ground), Nelsonville, O.

Ohio Fire Brick Co., Oak Hill, O.

Ohio Fire Clay Mfg. Co., Steubenville, O.

Osceola Silica & Fire Brick Co., Osceola Mills, Pa.

Peekskill Fire Brick Works, Peekskill, N. Y.

Penna Fire Brick Co., Beech Creek, Pa.

Philadelphia Fire Brick Works, 2806 Vine, Phila., Pa.

Presbrey Stove Lining Co., Taunton, Mass.

Robinson Clay Product Co. (Ground), Akron, O.

RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)

St. Louis Vitrified & Fire Brick Co., 107 N 7th, St. Louis, Mo.

Smith, A. F. Co., New Brighton, Pa.

Southern Fire Brick & Clay Co., 138 Wash'n, Chicago, Ill. Works, Mt. Silica, Ind.

SPRINGFIELD FACING CO., Spring- field, Mass. (See adv. index, end of book)

Standard Fire Brick Co., Empire bldg, Pittsburg, Pa.

Steiger Terra Cotta & Pottery Works, San Francisco, Cal.

Stevens, H. Sons Co. (Milled), Macon, Ga.

Stratton Fire Clay Co., Empire, O.

Streator Clay Mfg. Co., Streator, Ill.

Sweeney, Geo. & Co., 1334 Ridge av., Phila.,

Tygart Fire Brick Co., Fullerton, Ky.

Union Mining Co., Mount Savage, Md.

Washington Brick, Lime & Mfg. Co. (Milled & Screened), Spokane, Wash.

Wasaal Fire Clay Co., 40 E. Spring, Columbus, O.

Waterbury Crucible Co., Waterbury, Conn.

West Virginia Fire Clay Mfg. Co. (Ground, Flaked or Dust, etc.), Pittsburg, Pa.

West Virginia Fire Clay Mfg. Co., Pittsburg.

Wynn, W. H., & Co., Blue Bell, Pa.

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Our Patents cover the only safe principles, and the latest mechanical apparatus for the filtration of water.

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LOOMIS-MANNING FILTER CO.,

Main Office, 828 LAND TITLE BUILDING,
Broad and Chestnut Streets,
PHILADELPHIA, PA.

NEW YORK. CHICAGO. BOSTON. BUFFALO. BALTIMORE. WASHINGTON.



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Fire Department Supplies

(Consult Index of Contents for the Particular Article Required; See also Mill & Factory Supplies)

Fire Door Fittings (Automatic)

Allith Mfg. Co. ("Allith"), Chicago, Ill.
Automatic Door & Gate Co., 123 Liberty, New York
Brewer Bros. (Rails, Brackets, etc.), 614 Filbert, Philadelphia, Pa.
California Fire Proof Door Co. ("Wilcox"), Los Angeles, Cal.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Keystone Fire Door Co. (Inc.) ("Standard"), Park bldg., Pittsburg, Pa.
Dentler Bagger Co., Vicksburg, Mich.
Lane Bros Co., Poughkeepsie, N. Y.
McCABE HANGER MFG. CO., 425 W. 25th, New York. (See adv. index, end of book)
NEWHALL, HENRY B., 90 West, New York
Peters, James & Son (Sliding & Swinging Automatic Fire Door & Shutter Hardware), 1934 N. Front, Philadelphia, Pa.
Prouty, T. C. Co. (Ltd.), Albion, Mich.
Richards Mfg. Co., Aurora, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Victor Mfg. Co. (Heat Releasing Devices), Newburyport, Mass.
Wilcox Mfg. Co., Aurora, Ill.

Fire Doors (Automatic)

BOLLES, J. E. IRON & WIRE WORKS. Detroit, Mich. (See adv. index, end of book)
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Keystone Fire Door Co. (Inc.), Pittsburg, Pa.
RAPP, JOHN W. CO. (Underwriters' Standard Tin Covered). Gen'l Offices & Works College Point, N. Y., & Sales Offices, 4 Madison av, New York. (See adv. index, end of book)
Richmond Safety Gate Co., Richmond, Ind.
Underwriters' Hatch Door Co. (Electric), 58 N. Jefferson, Chicago, Ill

Fire Engines (Chemical)

American Fire Apparatus Co., 1 Madison av, New York
America-La France Fire Engine Co., Elmira, N. Y.
BADGER FIRE EXTINGUISHER CO., 32 Portland, Boston, Mass. (See adv. index, end of book)
Boyd, James & Bro. ("Boyd." "Champion"), 14 North 4th, Phila., Pa.
Chemical Fire Engine Co., Des Moines, Ia.
Hayward, S. F. & Co., 39 Park pl, New York
Kanawha Chemical Engine Mfg. Co., Charleston, W. Va.
Nott Fire Engine Co. Minneapolis, Minn.
Reading Fire Apparatus Works, Reading, Pa.
Rex Fire Extinguisher Co., 74 Cortland, New York
Seagrave Co., Columbus, O.
Stempel Fire Extinguisher Mfg. Co., 4250 N 20th, St. Louis, Mo.
Stewart, A. F. & S. C. (Combination Chemical Engines & Hose Wagons), Rochester, N. Y.
Tea Tray Co. ("Accurate"), Mulberry & Murray, Newark, N. J.
Webb Motor Fire Apparatus Co. (Automobile), Vincennes, Ind.)
Woodhouse Mfg. Co., 50 W. B'way, New York

Fire Engines (Gasoline)

Waterous Engine Works Co., St. Paul, Minn.
Westinghouse Co., Schenectady, N. Y.

Fire Engines (Hand)

American-La France Fire Engine Co., Elmira, N. Y.
BADGER FIRE EXTINGUISHER CO. ("Chemical"), 32 Portland, Boston, Mass. (See adv. index, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Fire Engines (Steam)

Ahrens Fire Engine Co. ("Continental"), Alfred & Cook, Cincinnati, O.
American-LaFrance Fire Engine Co. (Also Hand), Elmira, N. Y.
International Power Co. ("Amoskeag"), Old South bldg, Boston, Mass.
Nott Fire Engine Co., Minneapolis, Minn.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Fire Escapes

CALIFORNIA.

(See Iron, Architectural & Ornamental)

COLORADO.

(See Iron, Architectural & Ornamental)

CONNECTICUT.

(See Iron, Architectural & Ornamental)

DISTRICT OF COLUMBIA.

(See Iron, Architectural & Ornamental)

GEORGIA.

(See Iron, Architectural & Ornamental)

ILLINOIS.

(See also Iron, Architectural & Ornamental)
CHAMPAIGN—Burr, E. M. & Co. (Spiral)
CHICAGO—**AMERICAN COUNTERBALANCE** Stair Co., 1245 Fillmore
American Iron & Wire Works, 577 Carroll av
Barbee Wire & Iron Works, 44 Dearborn
Central Iron Works of Chicago, 256 W Lake
Cowles, J. T., Co., 186 West Lake
Enos Fire Escape Co., 179 N Sangamon
HALSTED, JOSEPH CO., 288 W Randolph. (See adv. index, end of book)
HANKE IRON & WIRE WKS., 1224 Fillmore. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 168 Michigan av. (See adv. index, end of book)
Johnson, Chas. & Son, 95 E. Indiana
Johnston Iron Works, 259 E Division
LANDON, E. R., IRON & WIRE WKS., 18 N May. (See adv. index, end of book)
Ruedel, John M., 514 Ogden av
SMITH, F. P., WIRE & IRON WKS., 100 Lake. (See adv. index, end of book)
UNION FOUNDRY WORKS, First National Bank bldg. (See adv. index, end of book)

INDIANA.

(See Iron, Architectural & Ornamental)

IOWA.

(See Iron, Architectural & Ornamental)

KENTUCKY.

(See Iron, Architectural & Ornamental)

MAINE.

(See Iron, Architectural & Ornamental)

MARYLAND.

(See Iron, Architectural & Ornamental)

MASSACHUSETTS.

(See Iron, Architectural & Ornamental)

MICHIGAN.

(See also Iron, Architectural & Ornamental)
DETROIT—Acme Fancy Wire Works, Canfield & Moran
BOLLES, J. E. IRON & WIRE WORKS, (See adv. index, end of book)
Barnum, E. T. Wire & Iron Works, 82 Washington
VULCAN CO. (See adv. index, end of book)
SAGINAW—Koehler Bros., Saginaw, Mich.

MINNESOTA.

(See Iron, Architectural & Ornamental)

MISSOURI.

(See Iron, Architectural & Ornamental)

NEBRASKA.

(See Iron, Architectural & Ornamental)

NEW JERSEY.

(See Iron, Architectural & Ornamental)

NEW YORK.

BUFFALO—(See Iron, Architectural & Ornamental)

NEW YORK CITY.

Borough of Brooklyn.

(See also Iron, Architectural & Ornamental)
BROOKLYN—Ajax Iron & Wire Co., 75 York
Child, W. C. W., 353 Kingsland av
Clarke & Stowe, 221 G'point av
Eagle Iron Works (Inc.), 850 De Kalb av
Fluegel, Anton, 221 Cook
Green, Bryan G., 207 Pacific
Hecla Iron Works, N. 11th & Berry
Kennington, Geo. W., ft 24th
Reliance Architectural Iron Works, 249 Montgomery
Webb & Bloss, 251 Monitor

Boroughs of Manhattan & Bronx.

(See also Iron, Architectural & Ornamental)
NEW YORK—Abr. Anton, 701 Elton av
Allgoever, Chas. W., 455 E 169th
American Fire Apparatus Co. (Chain Ladder), 1 Madison av
Bayer, Chas. Co., 407 E 125th
Bowes, John J., 227 W. 29th
Central Iron Works, 420 E 48th
Cornell, J. B. & J. M. Co., 26th & 11th av
Dimond, Thomas, 45 W 34th
Happel, Adam, 1803 1st av
Hauptman, Wm., 406 E 104th
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), & 168 Michigan av., Baltimore, Md. (See adv. index, end of book)
Lyon, W. E. Iron Works, 202 E 46th
Palmer, B., 231 W 50th
Palmer, Harris, 517 W 130th
SCHREIBER, L. & SONS CO., 1133 B'way. (See adv. index, end of book)
Schultis, H., 310 W 133d
Vreeland, G. A., 229 W. 36th

Borough of Queens.

(See also Iron, Architectural & Ornamental)
(End of New York City)
ROCHESTER—Brazil Fire Escape Co. ("Brazil's Panic Proof"), Powers bldg
Kohlmetz, Chas. E. & H. L., 180 N Water
SYRACUSE — Smith & Caffrey Co. (Props.) (Phoenix-Porter, Foundry), Syracuse, N. Y.
UTICA—United States Fire Protection Co. ("Davy" Automatic)

OHIO.

(See also Iron, Architectural & Ornamental)
AKRON—Ornamental Iron Works Co.
CANTON—**CANTON FOUNDRY & MA**chine Co. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS CO. (See adv. index, end of book)
CINCINNATI—Nimmo Fence & Wire Works Co., 305 E 4th
SCHREIBER, L., & SONS CO., 8th & Eggleston av. (See adv. index, end of book)
Union Iron Works Co., Colerain av & Sassafras
CLEVELAND—McArthur Portable Fire Escape Co. (Portable), 1999 Clark av, S W
COLUMBUS—**COLUMBUS WIRE & IRON** Works Co. (See adv. index, end of book)
DAYTON—American Fence & Forge Co.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.

The BEST SAFEST AND MOST SUBSTANTIAL **FIRE ESCAPE,** made by P. RIESECK, Allegheny, Pa.
SEND FOR ESTIMATES.

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HAMILTON—MEYERS, FRED. J. MFG. Co. (See adv. index, end of book)
KENTON—CHAMPION IRON CO. (See adv. index, end of book)
SANDUSKY—Mack Iron Works Co.
TOLEDO—Donovan Wire & Iron Co.
Toledo Wire & Iron Works
YOUNGSTOWN—Harris Safety Co. ("Harris" Safety)

OREGON.

(See Iron, Architectural & Ornamental)

PENNSYLVANIA.

(See also Iron, Architectural & Ornamental)
ELLWOOD CITY—Glen Mfg. Co.
PHILADELPHIA—DARBY, EDW. & SONS Co., 231 Arch. (See adv. index, end of book)
REMPPIS, WILLIAM F. CO., 1500 Sansom. (See adv. index, end of book)
PITTSBURG—SOMMERVILLE IRON & Bronze Co., 5637-5649 Butler. (See adv. index, end of book)
RIESECK, P., Allegheny av. & Rebecca. (See adv. index, end of book)
TAYLOR & DEAN, Penn av. & 25th. (See adv. index, end of book)
READING—REMPPIS, WILLIAM F. CO. (See adv index, end of book)

RHODE ISLAND.

(See Iron, Architectural & Ornamental)

TENNESSEE.

(See Iron, Architectural & Ornamental)

VIRGINIA.

(See Iron, Architectural & Ornamental)

WISCONSIN.

(See Iron, Architectural & Ornamental)

Fire Escapes (Automatic)

Harris Safety Co., Youngstown, O.
Hayward, S. F. & Co., 39 Park pl, New York
McArthur Portable Fire Escape Co., 1999 Clark av, S W, Cleveland, O
Parker-Bruen Mfg. Co. (Inc.) ("Model," ("Champion" Folding), 1170 B'way, New York
United States Fire Protection Co. ("Davy's"), Utica, N. Y.

Fire Escapes (Covert Patent)

Covert Fire Escape Co., Green Island, Troy, N. Y.

Fire Escapes ("Kirker-Bender")

Dow Wire & Iron Works, Louisville, Ky.

Fire Escapes (Portable)

Hamblin & Russell Mfg. Co. ("Lodewick's" Steel Non-Combustible), Worcester, Mass.
Hayward, S. F. & Co. ("Wilson"), 39 Park pl, New York
Lee Portable Fire Escape Co., 853 B'way, New York
McArthur Portable Fire Escape Co. ("McArthur"), Cleveland, O.

Fire Escapes (Rope)

Hayward, S. F. & Co., 39 Park pl, New York
Small, D. D., Waltham, Mass.
Travers, J. P. & Son, 46 Beekman, New York

Fire Escapes (Spiral)

American Fire Escape Co. (All Steel), St. Louis, Mo.

Fire Extinguishers

(See also Sprinklers, Automatic Fire)

CALIFORNIA.

SAN FRANCISCO—Goodyear Rubber Co., 573 Market
McNally, M. J., 260 1st
Moore, Geo. P. & Co., 721 G. G. av

CONNECTICUT.

HARTFORD—Pope Mfg. Co. ("Kilfyre" Dry Powder)

ILLINOIS.

CHICAGO—Chicago Fire Apparatus Co. ("Chicago" Hand Pump), 89 Lake
General Fire Extinguisher Co. (Automatic), Royal Ins. bldg.
Johns, H. W.-Manville Co. ("Manville" Dry Powder), 171 Randolph
McMorran, Edw. E. & Co., 15 N Clinton
Miller Chemical Engine Co., 149 Huron
Niagara Fire Extinguisher Co., 220 La Salle
Phoenix Fire Extinguisher Co., First National Bank bldg
JOLIET—Wilcox, C. C. (Dry Tube)

If You Are In Doubt

as to the original manufacturer of any machine or tool on which the patents have expired, that is now being exploited by many makers, ask HENDRICKS'—

They Can Tell You

INDIANA.

LOGANSPORT—Obenchain & Boyer

MAINE.

PORTLAND—Chemical Hand Fire Extinguisher Co.

MARYLAND.

BALTIMORE—Maryland Chemical Co., 227 W Mulberry

MASSACHUSETTS.

BOSTON—BADGER FIRE EXTINguisher Co., 32 Portland. (See adv. index, end of book)
Barnes, Henry K. ("Fire King" Chemical), 104 Franklin
Callahan, Cornelius Co., 127 Purchase
General Fire Extinguisher Co. (Automatic)
Knight & Thomas (Inc.) ("Underwriters' "), 99 State
Standard Extinguisher Co., 78 Portland
Walworth Mfg. Co., 128 to 136 Federal
HUBBARDSTON—McWilliams, J. E. & Son
LAWRENCE—Perkins, C. N. Co.

MICHIGAN.

DETROIT—Ireland & Matthews Mfg. Co. ("I. & M.")
Johns, H. W.-Manville Co. ("Manville" Dry Powder, "Success" Chemical), 12 Jefferson av
GRAND RAPIDS—Hamilton, E. A. & Co. ("Waggoner" Magneto)

MISSOURI.

KANSAS CITY—Johns, H. W.-Manville Co. ("Manville" Dry Powder), 1416 Main
ST. LOUIS—General Fire Extinguisher Co. (Automatic)
Missouri Lamp & Mfg. Co. ("Acme," "Royal," "Phoenix," "Advance," "Missouri," "U. S.," "Rex" & "Able"), 114 Elm
Stempel Fire Extinguisher Mfg. Co., 4250 N 20th

NEW HAMPSHIRE.

LACONIA—Esty Sprinkler Co.

NEW JERSEY.

NEWARK—Landau, Henry W. ("Fite Fire," Dry Powder Chemical), 117 Green
Tea Tray Co. ("Accurate," also "Marten" for Automobiles & Motor Boats, etc.), Mulberry c Murray
TRENTON—Hunt, Jas. B. Mfg. Co.

NEW YORK.

BUFFALO—General Fire Extinguisher Co.
Western Inspection Co. (Automatic)
NEW YORK—American Fire Apparatus Co., 1 Madison av
BADGER FIRE EXTINGUISHER Co., 599 B'way. (See adv. index, end of book)
Columbia Fire Extinguisher Co., 174 Centre
Fyricide Mfg. Co., 44 Murray
General Fire Extinguisher Co., 111 B'way



BADGER'S FIRE EXTINGUISHER AND BADGER'S 40 Gal. CHEMICAL ENGINE

are inspected and tested at factory by the Underwriters' Laboratories Inc., under supervision of the National Board of Fire Underwriters and APPROVED FOR USE.
Badger's is the only 40 gallon engine that has passed the inspection and test, and received the approval.

Badger Fire Extinguisher Company 32 Portland Street Boston, Mass., U.S.A.

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Hayward, S. F. & Co. ("Babcock," "Patrol," "Champion," "Liquid Seal" & "Rescue" Chemical; also Hand Grenades), 39 Park pl
International Sprinkler Co., 43 Exch. pl.
Johns, H. W.-Manville Co. ("Manville" Dry Powder, "Success" Chemical), 100 William
Johnston, Walter R. Mfg. Co. ("New Departure"), 68 Wall
Manufacturers' Automatic Sprinkler Co., Liberty
Metropolitan Fire Extinguisher Co., 1133 B'way
Minimax Co. (Chemical), 1165 B'way
Pyrene Co. ("Pyrene"), 34 W. 33d
Rapid Safety Fire Exting. Co., 135 Front
Rex Fire Extinguisher Co., 74 Cortlandt
Rodrigues, August, 91 Chambers
Rowe, A. C. & Son ("Knight," "Underwriters'" Hand), 280 B'way
Safety Fire Extinguisher Co., 29 W 42d
Salmon, H. H. & Co., 82 Wall
U. S. Fire Ext'r Mfg. Co., 433 W. 24th
Vogel, Henry G. Co., 12 Walker
Woodhouse Mfg. Co., 50 W B'way
ROCHESTER—Home Chemical Co., 107 Adams
SYRACUSE—Syracuse Chemical Fire Extinguisher Co. ("Syracuse" Chemical for Street Cars)
UTICA—Childs, O. J. Co. ("Child's," "Utica").

OHIO.

AKRON—Niagara Fire Extinguisher Co.
CINCINNATI—Cincinnati Tin & Japan Co., Sycamore & Canal
Eagle Mfg. Co., Blue Rock & Turrill
General Fire Extinguisher Co. (Automatic)
Thompson, Walter M. & Co., 835 W 5th
CLEVELAND—General Fire Extinguisher Co.
COLUMBUS—Seagrave Co. (Automatic)
YOUNGSTOWN—Harris Safety Co.

PENNSYLVANIA.

LANCASTER—Royal Mfg. Co. ("Quick Out")
PHILADELPHIA — Boyd, Jas. & Bro. ("Keystone"), 14 N 4th
Clay, Jno. H., 1320 Ridge av
General Fire Extinguisher Co. (Automatic)
International Sprinkler Co., 517 Arch
National Inspection Co. ("Bradford"), 420 Sansom
Underwriters' Fire Ext'rs, Phila. Bourse
PITTSBURG — Johns, H. W.-Manville Co. ("Manville" Dry Powder), 951 Liberty
McKenna Bros. Brass Co.
YORK—Spangler Mfg. Co. ("Spangler")

RHODE ISLAND.

PROVIDENCE—General Fire Extinguisher Co. (Automatic)

WISCONSIN.

MILWAUKEE — Badger Chemical Mfg. Co. ("Mitchell")
Johns, H. W.-Manville Co. ("Manville" Dry Powder), 225 Clybourn
WISCONSIN IRON & WIRE Works, 190 E Water. (See adv. index, end of book)

*Fire Extinguishers ("Badger's")

BADGER FIRE EXTINGUISHER CO., 32 Portland, Boston, Mass. (See adv. index, end of book)

*Fire Extinguishers (Chemical)

BADGER FIRE EXTINGUISHER CO., 32 Portland, Boston, Mass. (See adv. index, end of book)

Fire Extinguishers (Steam)

Edna Smelting & Refining Co. ("Porteous" for Locomotives & Engines), 525 Reading rd, Cincinnati, O., & Monadnock blk, Chicago, Ill.

Fire Extinguishers & Disinfecting Apparatus

Clayton Fire Extinguisher & Disinfecting Co. ("Clayton" Gas for Ships, etc.), 17 Battery pl, New York

*Fire Floors & Partitions

FLEMING & CO., 123 Liberty, New York. (See adv. index, end of book)

*Fire Gilt & Fire Enameling

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)

Fire Hose Mfrs.

(See Hose Manufacturers, Fire)

Fire Hose Reels (Swinging)

(See Reels & Racks, Fire Hose)

Fire Hose Shut-off

Bowell, G. D. & Son ("Samson" Automatic), Appleton, Wis.

*Fire Mortar & Kaolin

MAURER, HENRY & SON, 420 E. 23d, New York; Penna. bldg, Phila., Pa. Works, Maurer, N. J. (See adv. Front Inside Cover)

Fire-Place Furnishings Mfrs.

Blacklock Foundry (Andirons, etc.), South Pittsburg, Tenn.
Boston Brass Andiron Co. (Andirons, Fire Sets & Fenders), 104 Utica, Boston, Mass.
Bradley & Hubbard Mfg. Co. (Andirons, Fenders, Fire Sets, etc.), Meriden, Conn.
Bridgeford & Co. (Fancy Grates & Furnishings), Louisville, Ky.
Cahill Iron Works (Plated Grates, etc.), Chattanooga, Tenn.
Carr, Jas. W. (Grates & Fenders), Richmond, Va.
Chattanooga Implement & Mfg. Co. (Grates, all kinds), East Chattanooga, Tenn.
Colonial Fire Place Co., 12th & 46th av, Chicago, Ill.
CURRIER, E. BRADLEY CO., 119 W 23d, & 114 W 24th, New York. (See adv. index, end of book)
Dighton Furnace Co., (Grates, & Irons, etc.), Taunton, Mass.
Elm City Brass & Rivet Co. (Brass), Plainville, Conn.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
Eureka Foundry Co. (Brass.), 1110 Richmond, Cincinnati, O
Fischer Leaf Co., 1438 High, Louisville, Ky.
Gaumer, John L. Co. (Wrought Iron), 22d & Wood, Phila., Pa.
Graf, Frank H. (Brass, Bronze & Black Iron), 322 7th av, New York
Hardware & Woodenware Mfg. Co. (Coal Claws, Fire Irons, Fire Sets, Pokers, Fire Iron Stands), 693 B'way, New York
Howes, S. M. Co. (Fire Sets, Basket Grates, Fireplace Screens, etc.), 44 Union, Boston, Mass.
JACKSON, EDWIN A. & BROS. (Andirons, Fenders, etc.), 50 Beekman, New York
JACKSON, WM. H. COMPANY (Fire Screens, Fenders, Fire Sets, etc., Brass & Iron), 29 E 17th (Union sq), New York, & 163 Michigan av, Baltimore, Md. (See adv. index, end of book)
Jackson's Mantel & Grate Works, 240 Front, New York
Janusch Mfg. Co. (Brass, Bronze, etc.), 496 E 134th, New York
Judd, H. L. Co. (Fenders, Andirons, etc.), 87 Chambers, New York
Knott & Harker Co., Beaver Falls, Pa.
Lloyd Mfg. Co. (Fire Screens & Spark Guards), Minneapolis, Minn.
McKenney & Waterbury, 181 Franklin, Boston, Mass.
Manhattan Brass Co. (Brass), 334 E 28th, N. Y.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Murdock-Shaw Co. (Brass), Boston, Mass.
Peck, Stow & Wilcox Co. (Brass, etc.) Southington, Conn.
Pittsburg Stove & Range Co. (Columbia & Peerless Grates, etc.), Pittsburg, Pa.
Rathbone & Panigot, (Open Fire Places Direct-Draft & Gas Grates), Grand Rapids, Mich.
Rostand Mfg. Co. (Full Line), New Haven, Conn.
Sharpless & Watts, 15th & Walnut, Phila., Pa.
Spinner, Wm. Heater Co. (Steel Mantels for Gas & Brass Fenders, etc.), Warren, Pa.
Tiffany Studios, 347 Madison av, New York
Troy Nickel Works (Jno. E. Gaitley, prop'r) ("Alaska," Nickel, Antique Bronze, etc.), Albany, N. Y.
Waterbury Brass Goods Corporation (Brass), Waterbury, Conn.
WRIGHT WIRE CO. (Ornamental Wire Fenders & Spark Guards), Worcester, Mass. (See adv. index & branch offices, end of book)

*Fire Places (Brick)

FISKE & CO. (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg., New York. (See adv. index, end of book)

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

AMERICAN CONCRETE COMPANY GENERAL OFFICES 80 WILLIAM ST., NEW YORK

Fireproof Roofs of "Amconco" Tile on Light Steel Frames.
Fireproof Partitions of "Amconco" Hollow Tile, Ready for White Plaster Coat.
Fireproof Floors of "Amconco" Floor Units.
Fireproof Chimneys of "Amconco" Air Spaced Blocks.

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Fire-Proof Constructors

(See Also Concrete Steel Construction. Reinforced)

A. B. Fireproofing Co., Schiller bldg, Chicago, Ill.
Akron Fireproofing Construction Co., Akron, O.
AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Bruner, P. M. Granitoid Co., 904 Olive, St. Louis, Mo.
Cargill Mfg. Co., Buttles av, Columbus, O.
Clinton Wire Cloth Co., Clinton, Mass.
Columbian Concrete Steel Bar Co. ("Columbian" System) Pittsburg, Pa.
Drehman Paving Co. (Concrete Floors, etc.), 2629 Parrish, Philadelphia, Pa.
Eid, L. Concrete Steel Co., Central av, bet Findlay & Liberty, Cincinnati, O.
GENERAL FIREPROOFING CO., Youngstown, O., & 10 E 33d, New York; adv. index & branch offices, end of book)
Gollick & Smith, 162 E 23d, New York
Guastavino, R. Co., 949 B'way, New York
Healy-Tibbits Construction Co., Hansford bldg, San Francisco, Cal.
Kellogg Iron Works, Mutual Life bldg, Buffalo, N. Y.
Keystone Fireproofing Co., Engineering Dept., 16 S Broad, Phila., Pa. Works: Chester, Penn.
McCartney, R. G., 622 St. Nicholas av, New York
Metropolitan Fire Proofing Co., 50 Church, New York
National Concrete Construction Co., 140 W Main, Louisville, Ky.
National Concrete Fire Proofing Co., Williamson bldg, Cleveland, O.
Newton Engineering Co. ("Kahn" System), Hathaway bldg, Milwaukee, Wis.
Norman Fireproof Construction Co., 412 E 125th, New York
Paige, Tom, Cuyahoga bldg, Cleveland, O.
ROEBLING CONSTRUCTION CO., Fuller bldg, B'way & 23d, New York. (See adv. index & branch offices, end of book)
Sanitary Fire Proofing & Contracting Co., 105th & East River, New York
Schratwieser Fire-Proof Construction Co., 420 3d av, Brooklyn, N. Y.
Standard Concrete Steel Co., 415 E 31st, New York
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Vulcanite Paving Co. ("Vulcanite" System), Land Title bldg, Phila., Pa.
Wight, W. N. & Co., 7 W 38th, New York

*Fire-Proof Elevator Casings

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)

Fire-Proof Floors & Partitions

A. B. Fireproofing Co., Schiller bldg, Chicago, Ill.
AMERICAN CONCRETE CO. (Concrete Floors & Partitions), 80 William, New York. (See adv. index, end of book)
American Concrete Steel Co. (Concrete Steel). Union bldg, Newark, N. J
AMERICAN MASON SAFETY TREAD Co. ("Karbolith"), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)
Bailey, Thos., 1086 St. Nicholas av, New York
BROWN HOISTING MACHINERY CO. ("Ferroinclave"), 1345 St. Clair, Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)
Buffalo Expanded Metal Co., D. S. Morgan bldg, Buffalo, N. Y.
Cargill Mfg. Co. ("International" System), Buttles av, Columbus, O.
Clinton Wire Cloth Co., Clinton, Mass.
Consolidated Expanded Metal Co.'s, Keenan bldg, Pittsburg, Pa.
Corrugated Bar Co., Nat'l Bank of Commerce bldg, St. Louis, Mo.
Detroit Fireproofing Tile Co. ("Gypsite"), Pittsburg, Pa.
Doehring Fire-Proof Construction Co., 1123 B'way, New York
Eastern Concrete Const. Co., Boston, Mass.
Expanded Metal Engineering Co., 225 5th av, New York
Expanded Metal Fireproofing Co. of Pittsburg, 541 Wood, Pittsburg, Pa.
FLEMING & CO., 253 B'way, New York. (See adv index, end of book)
Gollick & Smith, 162 E 23d, New York
GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)
Hayes, Geo. Co., 71 8th av, New York
Keystone Fireproofing Co., Engineering Dept., 16 S Broad, Phila., Pa. Works, Chester, Pa.
Laser Letzig Mfg. Co., 1313 N 16th, St. Louis, Mo.
MAURER, HENRY & SON (The "Phoenix"), 420 E 23d, New York; Penna bldg, Philadelphia, Pa. Works, Maurer, N. J. (See adv. inside front cover)
MERRITT & CO. (Floors & Partitions), Front & Arch, Camden, N. J. (See adv. index, end of book)
Metropolitan Fire-Proofing Co., 50 Church, New York
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
National Concrete Fire-Proofing Co., New England bldg, Cleveland, O.
ROEBLING CONSTRUCTION CO., Fuller bldg, B'way & 23d, New York. (See adv. index & branch offices, end of book)
Sanitary Fire Proofing & Contracting Co. ("Gerardts" Patent Fire Proof Blocks), 105th & East River, New York
Schratwieser Fire-Proof Construction Co., 420 3d av, Brooklyn, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Southern Expanded Metal Co., Colorado bldg, Washington, D. C.
Standard Concrete Steel Co., 413 E 31st, New York
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Voss, Fredk. (Wire Lath), 621 Austin av, Chicago, Ill.
Vulcanite Paving Co., Land Title bldg, Phila.,
Western Expanded Metal & Fireproofing Co., San Francisco, Cal.
White Fire Proof Construction Co., 162 W. 27th, New York

Fire-Proof Hollow Tile

A. B. Fireproofing Co., Schiller bldg, Chicago, Ill.
Akron Vitrified Clay Mfg. Co., Akron, O.
American Clay Products Co., 138 Washington Chicago, Ill.
AMERICAN CONCRETE CO., 80 William, New York. (See adv index, end of book)
Carnegie Brick & Pottery Co., San Francisco, California
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Clark, N. & Sons, 17 Spear, San Francisco, Cal.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
Federal Clay Mfg. Co., 23d & B'way, New York
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works, Lincoln, Cal.
Illinois Terra Cotta Lumber Co., The Rookery, Chicago, Ill.
Laclede-Christy Clay Products Co., St. Louis, Mo.
Little Falls Fire Clay Co., Little Falls, Wash.
Los Angeles Pressed Brick Co., Los Angeles, California
MAURER, HENRY & SON, 420 E 23d, New York; Penna bldg, Philadelphia, Pa. Works, Maurer, N. J. (See adv. front inside cover)
NATIONAL FIRE PROOFING CO., Pittsburg, Pa., & Chicago, Ill. (See adv. index & branch offices, end of book)
New Jersey Co., 11 B'way, New York
New York Press Brick Co., Rochester, N. Y.
Orchard Knob Clay Works Co., Ironton, O.
Parker-Russell Mining & Mfg. Co., 417 Pine, St. Louis, Mo.
Penna. Fireproofing Co., St. Mary's, Pa.
Rochester Brick & Tile Mfg. Co., Powers blk, Rochester, N. Y.
Steiger Terra Cotta & Pottery Works, San Francisco, Cal.
Stevens' H. Sons Co., Macon, Ga.
Troy Fireproofing Co., Troy, N. Y.
Whiteacre Fireproofing Co., Waynesburg, O.

*Fire-Proof Porches

TAYLOR & DEAN, Penn av. & 25th, Pittsburg, Pa. (See adv. index, end of book)

Fire-Proof Porous Brick & Tile Mfrs.

(See Fire-Proofing, Porous Terra Cotta)

Fire-Proof Windows

(See Window Frame & Sash, Metallic)

Fire-Proof Wood Work

(See Fire-Proofing of Wood)

HENDRICKS' COMMERCIAL REGISTER IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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NATIONAL FIRE PROOFING COMPANY

MANUFACTURERS OF

Terra Cotta Hollow Tile Fire-proofing and all Kinds of Hollow Building Tile

Contractors for the Fireproofing of Buildings
Also Manufacturers Sewer Pipe

FACTORIES LOCATED NEAR ALL THE LARGE CITIES

We have fireproofed a large portion of America's largest modern buildings. . . . Our experience and ideas are on call to any Architect or Builder.

FOR DATA AND DETAILED INFORMATION, WRITE US AT EITHER OF THE FOLLOWING ADDRESSES:

NEW YORK, N. Y.—Fuller Building.
BOSTON, MASS.—840 Old South Building.
PHILADELPHIA, PA.—Land Title Bldg.
PITTSBURGH, PA.—Fulton Building.
CLEVELAND, O.—Cuyahoga Building.
CINCINNATI, O.—Union Trust Building.
CHICAGO, ILL.—Commercial Nat. Bank Bldg.
WASHINGTON, D. C.—Colorado Building.
MINNEAPOLIS, MINN.—Lumber Exchange.
CANTON, O.—City National Bank Building.
SAN FRANCISCO—Monadnock Building.
TORONTO, CAN.—Traders' Bank Bldg.
LONDON—27 Chancery Lane.

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CONCRETE REINFORCEMENT

A SPECIAL MATERIAL FOR EACH REQUIREMENT



HERRINGBONE TRUSSED BAR



SQUARE LUG BAR

EXPANDED METAL. TRUSSIT FOR ROOFS. WIRE FABRIC REINFORCEMENT

Metal Lath, Steel Studding, Corner Bead, See Adv. opposite Page 577. Allsteel Bank, Library and Public Building Equipment, See Adv. opposite Page 49. Office Furniture, Filing Devices Made of Steel, See Adv. Page 804. SEND FOR CATALOGUES.

THE GENERAL FIREPROOFING COMPANY

For Branch Office Addresses See Advertisers' Index, End of Book

YOUNGSTOWN, OHIO

Hendricks' Commercial Register

IS USED FOR

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BY A GREATER VARIETY OF INDUSTRIES
THAN ANY OTHER PUBLICATION ISSUED

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*Fire-Proofing ("Bostwick" System)

BOSTWICK STEEL LATH CO., Niles, O. (See adv. index, end of book)

Fire-Proofing Elevator Shafts

(See Fire-Proof Floors & Partitions)

*Fire-Proofing (Ferroinclave Steel Concrete)

BROWN HOISTING MACHINERY CO., 1345 St. Clair, Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)

*Fire-Proofing ("Kahn") System

TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)

*Fire-Proofing ("Kuhne's" System)

TRUSS METAL LATH CO., 147 4th av, New York. (See adv. index, end of book)

*Fire-Proofing (Multiplex Steel Flooring)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)

Fire-Proofing of Wood

American Wood Fire-Proofing Co., 114 Liberty, New York

ELECTRIC FIREPROOFING CO., 19th & East River, New York. (See adv. index, end of book)

Fireproofing Mfg. Co., 128 B'way, New York

Price Fireproofing Co., Poughkeepsie, N. Y.

Fire-Proofing of Wood (Electric System)

Electric Fireproofing Co., 19th & East River, New York

Fire-Proofing (Porous Terra Cotta)

Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.

Denny-Renton Clay & Coal Co., Seattle, Wash

Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works, Lincoln, Cal.

Illinois Terra Cotta Lumber Co., The Rookery, Chicago, Ill.

Los Angeles Pressed Brick Co., Los Angeles, Cal.

MAURER, HENRY & SON, 420 E 23d New York, & Penna bldg, Philadelphia, Pa. Works, Maurer, N. J. (See adv. Front Inside Cover)

NATIONAL FIRE PROOFING CO., Fulton bldg, Pittsburg, Pa., & Chicago, Ill. (See adv. index, end of book)

Parker & Russell Mining & Mfg. Co., St. Louis, Mo.

Penna. Fireproofing Co., St. Mary, Pa.

Whitacre Fireproofing Co., Waynesburg, Pa.

*Fire-Proofing ("Roebling" System)

ROEBLING CONSTRUCTION CO., Fuller bldg, B'way & 23d, New York. (See adv. index & branch offices, end of book)

Fire Sand

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Berry, Jas. E., Woodbury, N. J.

Bloomfield Clay Co., Metuchen, N. J.

Garden City Sand Co. (Dealers), Chamber of Commerce bldg, Chicago, Ill.

Gautier, J. H., & Co., Jersey City, N. J.

MAURER, HENRY & SON, 420 E 23d, New York, & Penna bldg, Phila., Pa. Works, Maurer, N. J. (See adv. Front Inside Cover)

Northport Clay & Fire Sand Co., Northport, L. I., N. Y.

Peekskill Fire Brick Works, Peekskill, N. Y.

Presbrey Stove Lining Co., Taunton, Mass.

Shepard, J. J., 1078 W 11th, N W, Cleveland, Ohio

Tygart Fire Brick Co., Fullerton, Ky.

Utica Fire Sand Co., Utica, N. Y.

Valentine, M. D. & Bro. Co., Woodbridge, N. J.

*Fire Screens & Backs

JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. Index, end of book)

Fire Sets (Brass & Iron)

(See Fire Place Furnishings, Manufacturers)

Fire Sprinklers

(See Sprinklers, Automatic Fire)

Fish Line Mfrs.

Ashaway Line & Twine Mfg. Co. (Silk, Linen & Cotton), Ashaway, R. I.

Mansfield, G. H. & Co., Canton, Mass.

Martin's, E. J. Sons ("Kingfisher," Braided Silk), Rockville, Conn.

Paton, Wm. (Ltd.), No. Grafton, Mass.

Pawtucket Braided Line Co., Pawtucket, R. I.

Fish Nets & Seines

American Net & Twine Co., Boston, Mass.

Fowler Net & Twine Co., 107 S. 2d, Phila., Pa.

Gloucester Net & Twine Co., Gloucester, Mass.

Fish Plate Springs

(See Lock Nuts)

Fittings (Acid Metal)

Eastwood Wire Mfg. Co., Belleville, N. J.

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Fittings (Air Brake)

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Dayton Malleable Iron Co. (Lever Guides, etc.), Dayton, O.

Greager Mfg. Co. (For Water & Gas Works), 22d & Wash'n av, Phila., Pa.

Litchfield Foundry & Machine Co., Litchfield, Ill.

New Jersey Car Spring & Rubber Co. (Washers etc.), Jersey City, N. J.

New York Air Brake Co. (Equipments), 165 B'way, New York., & Fisher bldg, Chicago, Ill.

Pittsburg Malleable Iron Co., Pittsburg, Pa.

WESTINGHOUSE AIR BRAKE CO., Pittsburg, Pa.

Fittings (Ammonia)

American Brake Shoe & Foundry Co., Mahwah, N. J.

Arctic Ice Machine Co., Canton, O.

Belfield, H. & Co., 435 N Broad, Phila., Pa.

Braman, Dow & Co., 239 Causeway, Boston, Mass.

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Creamery Package Mfg. Co., 182 E. Kenzie, Chicago, Ill.

Eastwood Wire Mfg. Co., Belleville, N. J.

Flagg, Stanley G. & Co., 424 N 19th, Phila., Pa.

Great Lakes Engineering Works (Semi-Steel), Detroit, Mich.

Niebling, F. W. Co. (Ltd.), Norwood, Cincinnati, O.

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

Riverside Iron Works Co., Kansas City, Kan.

Tight Joint Co. ("Folly's" Patent), 306 E 47th, New York

Triumph Ice Machine Co. (Steel), 610 Baymiller, Cincinnati, O.

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)

York Mfg. Co. (Ltd.), York, Pa.

Wolf, Fred W. Co., 141 Rees, Chicago, Ill.

Fittings (Awning Frame)

Pancoast, Henry B. & Co., 243 S. 3d, Phila., Pa.

Fittings (Bakers' Oven)

Robson, Chas. & Co., 8th & Washington av, Philadelphia, Pa.

Fittings (Brass Pipe)

Barrett Mfg. Co., Jas., Boston, Mass.

Belfield, H. & Co., 435 N. Broad, Phila., Pa.

Belknap Mfg. Co., Bridgeport, Conn.

Best Mfg. Co., Pittsburg, Pa.

Bridgman Bros. Co. (Special, etc.), 1422 Washington av, Phila, Pa.

Buckeye Iron & Brass Works, Dayton, O.

Central Brass Works, Cincinnati, O.

Chambers & Ainslee, Newark, N. J.

CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Crane Valve Co. (Elbows, Tees & Crosses, etc.), Bridgeport, Conn.

Dalton-Ingersoll Mfg. Co., Boston, Mass.

Darling Pump & Mfg. Co., Williamsport, Pa.

Detroit Lubricator Co., Detroit, Mich.

Detroit Sanitary Supply Co., Detroit, Mich.

Eastwood Wire Mfg. Co., Belleville, N. J.

Edwardsville Brass Co., Edwardsville, Ill.

Fewless-Leen Brass & Iron Co., Cincinnati, O.

Fleming, G. W., Co., Bradford, Pa.

General Fire Extinguisher Co., Providence, R. I.

Hamlin & Emery Brass Co., Boston, Mass.

Harris, Arthur & Co., 44 N. Curtis, Chicago, Ill.

Haydenville Co., Haydenville, Mass.

Hoffman & Billings Mfg. Co., Milwaukee, Wis.

Humphreys Mfg Co., Mansfield, O.

Ideal Mfg. Co., Detroit, Mich.

HUNGERFORD, W. T., BRASS & COPPER Co., 497 Pearl, New York

Illinois Malleable Iron Co., 537 Deversey bldg, Chicago, Ill.

Imperial Brass Mfg. Co., Chicago, Ill.

Jarecki Mfg. Co., Erie, Pa.

Kelly & Jones Co., Pittsburg, Pa.

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Kinsey & Mahler Co., Peoria, Ill.
Leslie Co. (Inc.) (High Pressure Steam), Lyndhurst, N. J.
Lunkenheimer Co., Cincinnati, O.
McCambridge & Co., 315 N 20th, Phila., Pa.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McDonald & Morrison Mfg. Co., Dubuque, Iowa.
McNab & Harlin Mfg. Co., 56 John, New York.
Mansfield Mfg. Co., Pittsburg, Pa.
Merris, Hugh, Cincinnati, O.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mott, J. L. Iron Works, 5th ave. & 17th st.,
Mueller, H. Mfg. Co., Decatur, Ill. New York
Mullaney's, Jas. Sons, 141 E. 25th, New York.
New Britain Brass Co., New Britain, Conn.
Ohio Brass Co., Mansfield, O.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Valve & Fittings Co., Pittsburg, Pa.
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Powell, Wm., Co., Cincinnati, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Queen City Brass & Iron Works, Cincinnati, O.
Regester's Sons Co., Baltimore, Md.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins Mfg. Co., Springfield, Mass.
Thomas Brass & Iron Co., Waukegan, Ill.
Walworth Mfg. Co., 128 Federal, Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

Fittings (Brass Pipe Railing)

Belfield & Co., 435 N. Broad, Phila., Pa.
Crane Valve Co., Bridgeport, Conn.
Crane & Co., Chicago, Ill.
Devlin & Co., Philadelphia, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Mfg. Co., Bloomfield, N. J.
Pittsburg Brass Mfg. Co., Pittsburg, Pa.

Fittings (Bronze)

Eastwood Wire Mfg. Co. (Also Brass), Belleville, N. J.
Kaltenthaler, H. J., 230 Cherry, Phila, Pa.
Ohio Brass Co. ("Ohio"), Mansfield, O.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fittings (Car Heater)

CHICAGO CAR HEATING CO., Railway Exchange bldg., Chicago, Ill., & 170 B'way, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv index & branch offices, end of book)
National Tube Co. (Cast, Malleable Brass) Pittsburg, Pa.

Fittings (Cast Iron Pipe)

(Fittings, Pipe)

Fittings (Cast Iron, for Gas & Water Mains)

CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)
YAGLE FOUNDRY & MACHINE CO. (Ltd.), 400 32d, Pittsburg, Pa. (See adv. index, end of book)

*Fittings (Cast Steel)

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Kaltenthaler, H. J., 230 Cherry, Phila, Pa.

Fittings (Conduit)

Fairmount Electric Mfg. Co. ("Bendhicks," Weatherproof), 714 N 24th, Philadelphia, Pa.

Fittings (Cross Over)

Fee & Mason, 81 Beekman, New York.
Flagg, Stanley G. & Co. (Malleable Iron), 19th & Pa. av, Phila., Pa.
Grabler Mfg. Co., Cleveland, O.
Kaltenthaler, H. J., 230 Cherry, Phila., Pa.
National Tube Co. (Cast, Malleable & Brass). Pittsburg, Pa.

Fittings (Drainage)

Central Brass Works ("Standard"), Kansas City, Mo.
CENTRAL FOUNDRY CO. (Cast Iron), 37 Wall, New York. (See adv. index, end of book)
Clow, Jas. B. & Sons, 344 Franklin, Chicago Ill.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Glenn Mfg. Co., St. Charles, Ill.
Kelly & Jones Co., Pittsburg, Pa.
McNab & Harlin Mfg. Co. (Brass & Iron, Black & Galvanized), 56 John, New York, & Paterson, N. J.
National Tube Co. (Cast & Malleable Iron), Pittsburg, Pa.
Prier Brass Mfg. Co. ("Sieben" Combination). Kansas City, Kan.
Wade Iron Sanitary Mfg. Co. ("Wade"), 42 E Harrison, Chicago, Ill.

Fittings (Electric Porcelain)

(See Porcelain Specialties, Electric & Mechanical)

Fittings (Electrical)

Electro-Dynamic Co. (Water Tight), 5 Nassau, New York
Martin El. Co. (Watertight Marine for Electrical Work), 90 Verona, Brooklyn, N. Y.
Union Iron Works Co., San Francisco, Cal.
WORCESTER PRESSED STEEL CO. (Stamped), Worcester, Mass. See adv. index, end of book)

Fittings (Ell)

Lavigne Mfg. Co., Detroit, Mich.
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Fittings (Flanged)

American District Steam Co., Lockport, N. Y.
American Foundry & Mach. Co., Marietta, Ga.
AMERICAN SPIRAL PIPE WORKS (Forged Steel Pipe Flanges), W. 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Caldwell, E. R. & Co. (For Steam), Bradford, Pa.
Central Pipe Valve & Const. Co., Pittsburg, Pa.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855) (High, Medium or Low Pressure), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Dame & Townsend Co. (Standard Extra Heavy), Cliff & Fulton, New York
Eastwood Wire Mfg. Co. (Bronze & Iron Elbow, Tee, Cross, Nipple & Union, etc.), Belleville, N. J.
General Fire Extinguisher Co. (Cast Iron), Providence, R. I.
Kaltenthaler, H. J. (Cast Iron, High & Low Pressure), 230 Cherry, Phila., Pa.
Kellog, M. W. Co. 50 Church, New York
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McNab & Harlin Mfg. Co. (Standard & Extra Heavy), 56 John, New York, & Paterson.
Millar, Chas. & Son Co., Utica, N. Y. N. J.
National Tube Co. (Cast, Malleable Brass, also Screwed), Pittsburg, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Walworth Mfg. Co., 132 Federal, Boston, Mass.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)
YAGLE FOUNDRY & MACHINE CO. (Ltd.) (Cast Iron for Gas & Water), 32d & A. V. Ry., Pittsburg, Pa. (See adv. index, end of book)

Fittings (Gas Fixture)

Barker, Jos. S., 108 Centre, New York
Cleveland Gas & Electric Fixture Co., 940 Prospect av, S E, Cleveland, O.
Flagg, Stanley G. & Co., 424 N 19th, Phila., Pa.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Horn & Brannen Mfg. Co., 427 N Broad, Philadelphia, Pa.
Kraushaar Brass Mfg. Co. (Chased Brass, etc.), St. Louis, Mo.
Shapiro & Aronson, 67 Centre, New York
Utica Fixture Co., Utica, N. Y.
Vosburgh, W. C. Mfg. Co., 93 Underhill av, Brooklyn, N. Y.
Williamson, R. Co., 88 W Washington, Chicago, Ill.

*Fittings (Gas Line)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fittings (Green House)

CENTRAL FOUNDRY CO. (Cast Iron), 37 Wall, New York. (See adv. index, end of book)
Coldwell-Wilcox Co. (Cast Iron), Newburgh, N. Y.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of Glenn Mfg. Co., St. Charles, Ill. book)

*Fittings (High Pressure)

CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
OIL WELL SUPPLY CO. (Cast Iron), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fittings (Hydraulic)

AMERICAN SPIRAL PIPE WORKS. W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
Birdsboro Steel Foundry & Machine Co. (Cast Steel), Birdsboro, Pa.
Eastwood Wire Mfg. Co. (Bronze & Iron, Elbow, Tree, Cross, Nipple & Union, etc.), Belleville, N. J.
ELMES, CHAS. F. ENGINEERING Works, Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
French Oil Mill Machinery Co., Piqua, O.
McCambridge & Co. (Brass), 375 N 20th, Phila., Pa.
McNab & Harlin Mfg. Co., 56 John, New York.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Tight Joint Co. (Folly's Patent), 306 E 47th, New York
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fittings (Iron Railing)

Belfield, H. E. & Co., 435 N. Broad, Phila, Pa.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index, and branch offices, end of book)

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Devlin, Thos., Mfg. Co. (Adjustable, Malleable Iron), Lehigh ave. & 3d, Phila., Pa.
Illinois Malleable Iron Co., 537 Deversey, Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co., Pittsburg, Pa.
McNab & Harlan Mfg. Co., 56 John, N. Y.
National Tube Co. (Cast & Malleable Iron), Pittsburg, Pa.
Pancoast, Henry B. & Co. (Iron Pipe, Malleable & Cast Iron & Brass), 243 S 2d, Phila., Pa.

Fittings (Lead Lined Pipe)

Lead Lined Iron Pipe Co. (Brass & Iron), Wakefield, Mass.
Non-Corrosive Valve & Pipe Co., 25 W 1st, Boston, Mass.

Fittings (Mast)

Hunt, C. W. Co., West New Brighton, S. I., N. Y.

Fittings (Pipe)

(See also Cast Iron Soil Pipe & Fittings; also Fittings, Various Kinds; also Unions)

ABENDROTH & ROOT MFG. CO. (Cast Iron Flanged), Newburgh, N. Y. (See adv. index & branch offices, end of book)
American District Steam Co., Lockport, N. Y.
American Foundry & Construction Co., Pittsburg, Pa.
American Radiator Co. ("O. S." Distributors for Steam & Water), General Office, 282 Michigan av, Chicago, Ill.
AMERICAN SPIRAL PIPE WORKS (Large Cast Iron), W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
Anti-Bursting Pipe Co., Pittsburg, Pa.
Belfield, H. & Co. (Malleable & Cast Iron), 435 N. Broad, Philadelphia, Pa.
Builders' Iron Foundry (Cast Iron), Providence, R. I.
Campbell Mfg. Co. (Cast Iron), Gadsden, Ala.
Carroll Iron Works (Malleable Iron), 779 Carroll av., Chicago, Ill.
CENTRAL FOUNDRY CO. (Cast Iron), 37 Wall, New York. (See adv. index, end of book)
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Coldwell, Wilcox Co. ("Wilcox"), Newburgh, N. Y.
Columbus Brass Co. ("Abbott") Columbus, Ohio.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855). (Malleable & Cast Iron. Screwed or Flanged), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co. (Malleable & Cast Iron Pipe), Bridgeport, Conn.
Dame & Townsend Co. (Cast & Malleable Iron), Cliff & Fulton, New York
Darling Pump & Mfg. Co. (Cast Iron), Williamsport, Pa.
Devlin, Thos. & Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Eastwood Wire Mfg. Co. (Cast Iron), Belleville, N. J.
Flagg, Stanley G., & Co. ("Keystone") Malleable Iron), 424 N. 19th, Philadelphia, Pa.
Ford & Kendig Co. (Malleable & Cast Iron), 432 Callowhill, Philadelphia, Pa.
Fort Pitt Malleable & Gray Iron Co. (Malleable & Cast Iron), Pittsburg, Pa.
Gille Engine & Machine Co. (Cast Iron), Tonawanda, N. Y.
Glam Organ Pipe & Foundry Co. (Cast Iron), Lynchburg, Va.
Glen Mfg. Co. (Grey Iron), St. Charles, Ill.
Grabler Mfg. Co. (Malleable Iron), Cleveland, O.
Hancock Mfg. Co., Charlotte, Mich.
Hoffmann, B., Mfg. Co. (Cast Iron), 257 6th Milwaukee, Wis.
Howe Mfg. Co. ("Crescent") Louisville, Ky.
Illinois Malleable Iron Co. ("Eureka," "Inuco," Malleable & Cast Iron), 515 Diversey boul, Chicago, Ill.
Jarecki Mfg. Co. (Malleable & Cast Iron), Erie, Pa.
Kelly & Jones Co. (Malleable & Cast Iron), Pittsburg, Pa.; Works, Greensburg, Pa.
Kroeschell Bros. Co. (Cast Iron), 55 Erie, Chicago, Ill.
Kuhns Bros., Dayton, O.
Litchfield Foundry & Machine Co. (Cast Iron), Litchfield, Ill.
Lumsden C. Van Stone Co. ("Van Stone") Boston, Mass.
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR (Cast & Malleable Iron, 104 John, New York. (See adv. index, end of book)
McNab & Harlin Mfg. Co. (Cast Iron), 56 John, New York
Malleable Iron Fittings Co. (Malleable Iron), Branford, Conn.
Morse Iron Works (Cast & Malleable Iron), Erie, Pa.
Mott, J. L. Iron Works, 118 5th av., New York
National Tube Co. (Cast, Malleable, Brass), Pittsburg, Pa.
Newbury, J. G., Coxsackie, N. Y.
Newbury, Jay H. (Cast Iron), Goshen, N. Y.
Non-Corrosive Valve & Pipe Co., 25 W 1st, Boston, Mass.
OIL WELL SUPPLY CO. (Malleable & Cast Iron), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pancoast, Henry B., & Co. (Malleable Iron), 245 S 3d, Philadelphia, Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Valve & Fittings Co., Pittsburg, Pa.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
SIMMONS, JOHN CO. (Cast Iron), 106 Centre, New York. (See adv. index, end of book)
South Park Foundry & Machine Co. (Cast Iron), St. Paul, Minn.
Stockham Pipe & Fittings Co. (Cast Iron), Birmingham, Ala.
Tamaqua Mfg. Co. (Malleable Iron), Tamaqua, Pa.
Tight Joint Co. ("Folly's" Never Leak Tight Joint), 306 E 47th, New York
Vanderman Plumbing & Heating Co., Williamantic, Conn.
Walworth Mfg. Co. (Malleable & Cast Iron). 132 Federal, Boston, Mass.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fittings (Railing)

(See Fittings, Brass Railing; also Fittings, Iron Railing)

Fittings (Railway)

Belfield, H. & Co., 435 N Broad, Phila., Pa.
Eastwood Wire Mfg. Co. (Bronze), Belleville, N. J.
Flagg, Stanley G. & Co. (Malleable Iron), 19th & Penna av., Phila., Pa.
National Tube Co. (Cast, Malleable, Brass), Pittsburg, Pa.

*Fittings (Semi-Steel)

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Fittings (Soil Pipe)

(See Cast Iron Soil Pipe & Fittings Manufacturers)

Fittings (Steam Pipe)

(See Fittings, Pipe)

Fittings (Tight Joint)

Tight Joint Co. (Folly's, for Steam, Hydraulic, Ammonia, Compressed Air, etc.), 306 E 47th, New York

Fittings (Y)

LUNKENHEIMER CO., Beekman & Waverly, Cincinnati, O. (See adv., index & branch offices, end of book)
Ohio Brass Co. ("Ohio" Bronze) Mansfield, O.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Fixtures (Bank, Office & Store)

(Cabinet Wood-Work)

Alexandria Mfg. Co., Alexandria, Minn.
ANDREWS, A. H. CO., Chicago, Ill. (See adv. index, end of book)
Bush, Jas. S., 239 B'way, New York
Carter, S. C. & S. Co., Keokuk, Ia.
Cleveland Store Fixture Co., Cleveland, O.
Cobb, Geo. W., Jr., 47 Liberty, New York
Cole Mfg. Co., Memphis, Tenn.
Columbia Lumber & Mfg. Co., Columbia, S. C.
Derby Desk Co., Boston, Mass.
De Wolf Furniture, Garnett, Kans.
Doten-Dunton Desk Co., Boston, Mass.
Ehlrich, H. & Sons., St. Joseph, Mo.
Enterprise Mfg. Co., Tiffin, O.
Fielder & Allen Mfg. Co., Atlanta, Ga.
Fridman Seating Co., New Richmond, O.
Globe-Wernicke Co., Cincinnati, O.
Himmel, M. L. & Son, 107 N Frederick, Baltimore, Md.
Johannesen Mfg. Co., Erie, Pa.
Johnson, Albert & Co., Boston, Mass.
Kansas City Furniture & Bedding Maunfactory, Kansas City, Mo.
McLean, W. B. Mfg. Co., Pittsburg, Pa.
Macey Co. (Desks, Chairs, etc.), 343 B'way, New York & Grand Rapids, Mich.
Mansfield, Robert & Son, Louisville, Ky.
MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
Marysville Cabinet Co., Marysville, O.
Melchoir Bros. Furniture Co., 8 Dayton, Chicago, Ill.
Merle & Heaney Mfg. Co., 88 Washington, Chicago, Ill.
Moline Furniture Works, Moline, Ill.
Moore, Geo. & Sons, Nashville, Tenn.
Moore Mfg. Co., Springfield, Mo.
Morgan Lumber Co., Charleston, W. Va.
Muskegon Cabinet Co., Muskegon, Mich.
Northwestern Furniture Co., Milwaukee, Wis.
Ohmer's, M. Sons Co., Dayton, O.
Phoenix Furniture Co., Eau Claire, Wis.
Reliance Gauge Column Co. (Seamless & Solderless, etc.), Cleveland, O.
Rochester Show Case Works, Rochester, N. Y.
Segale Mfg. Co., 68 E Spring, Columbus, O.
Schwarzwaelder, L. A., Chichester, N. Y.
Shaw, A. B. & E. L., East Cambridge, Mass.
Shoemaker, Jos. L. & Co., 926 Arch, Phila., Pa.
Sierer, H., Chambersburg, Pa.
Sjostron, John E., Philadelphia, Pa.
Southern Seating & Cabinet Co., Jackson, Tenn.
SUN MFG. CO., Columbus, O. (See adv. index, end of book)
Toledo Desk & Fixture Co., Toledo, O.
Ward, M. W. & Son, Jamestown, N. Y.
Weary & Alford, 164 Dearborn, Chicago, Ill.
Western Paper & Mfg. Co., Dayton, O.
Williams & Hunting Co., Cedar Rapids, Ia.
Winter, M. Lumber Co., Sheboygan, Wis.
Wood, Dickerson & Putnam, Birmingham, Ala.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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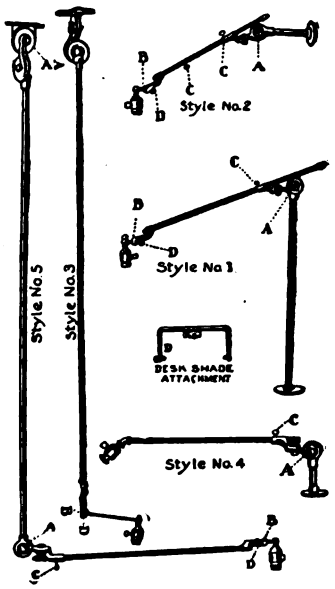
*Fixtures (Electric Adjustable Wall & Ceiling)

MORSE, FRANK W. ("Morse"), 510 Atlantic av, Boston, Mass. (See adv. index, end of book)

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FRANK W. MORSE

512 Atlantic Ave., BOSTON, MASS.

*Fixtures (Opal Cigar Store)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

Flag Mfrs.

American Flag Mfg. Co., Easton, Pa.
Channon, H. Co., 32 Market, Chicago, Ill.
De Grauw, Aymar & Co., 34 South, New York
National Flag Co., Cincinnati, O.
United States Flag Co., Cincinnati, O.

Flag Poles (Iron)

Greenlie, Wyatt & Co., 499 Water, N. Y.
JONES, THOS. W. (Also Fittings), 22 Burling sl, New York. (See adv. index, end of book)
Nimmo Fence & Wire Works Co., 305 E 14th, Cincinnati, O.

Flag Poles (Tubular)

National Tube Co., Pittsburg, Pa.

Flags (Railway Signal, Etc.)

American Flag Mfg. Co., Easton, Pa.
CARPENTER, GEO. B. & CO. (All Kinds & Descriptions), 202 S Water, Chicago, Ill. (See adv. index, end of book)
Handlan-Buck Mfg. Co. ("Pralm" & Lanius" Metallic, Also Bunting), 212 N. 3d, St. Louis, Mo.
Patton, R. J. & Co., Cincinnati, O.

Flanged Flue Holes, Heads or Plates

(See Boiler Heads, Flanged & Dished)

*Flanges (Bibb)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

*Flanges (Brass)

VOELKNER & HARRY MFG. CO., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)

Flanges (Cast & Malleable Iron)

American Foundry & Mch. Co., Marietta, Ga.
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
General Fire Extinguisher Co. (Cast Iron only), Providence, R. I.
Kaltenthaler, H. J. (Gray & Gun Iron, Cast Steel & Bronze), 230 Cherry, Phila., Pa.
National Tube Co. (Also Extra Heavy Brass), Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Flanges (Companion)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Kaltenthaler, H. J., 230 Cherry, Phila., Pa.
National Tube Co., Pittsburg, Pa.

Flanges (Floor & Ceiling)

Glenn Mfg. Co. (Tapped), St. Charles, Ill.
Grabler Mfg. Co., Cleveland, O.
Pittsburg Brass Mfg. Co. (Brass Closet Floor), Penn av & 32d, Pittsburg, Pa
VOELKNER & HARRY MFG. CO., Detroit, Mich. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO. (Solid & Split), Worcester, Mass. (See adv. index, end of book)

Flanges (Forged Steel Pipe)

Railway Steel Spring Co. (For Weldless Forged & Rolled Steel), 30 Church, New York
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

*Flanges (Hub)

AMERICAN SPIRAL PIPE WORKS (Heavy Forged & Rolled Steel), W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Flanges (Pipe)

(See also Fittings, Flanged & Fittings, Pipe)
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Dart, E. M. Mfg. Co., Providence, R. I.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

*Flanges (Pipe, Forged Steel)

AMERICAN SPIRAL PIPE WORKS, W. 14th and 48th ave., Chicago, Ill. (See adv. index & branch offices, end of book)

Flanges (Pressed Steel Pipe)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
Worth Bros. Co., Coatesville, Pa.

*Flanges (Rolled Steel Pipe)

AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Flanges (Roof)

Acme Mfg. Co. ("Acme"), Somerville, Mass.
Davis Mfg. Co. ("Watson"), Nashua, N. H.
Hessler Co. ("McGuire," "Star" Adjustable), Syracuse, N. Y.
Success Mfg. Co., Gloucester, Mass.

Flanges (Snow)

Ohio Brass Co., Mansfield, O.
Quincy-Manchester-Sargent Co. ("Q. & C." Priest), Plainfield, N. J.

*Flanges (Soft Weldless Steel)

AMERICAN SPIRAL PIPE WORKS, W. 14th and 48th ave., Chicago, Ill. (See adv. index & branch offices, end of book)

Flanges (Spun Brass)

General Fire Extinguisher Co., Providence, R. I.

Flanges (Welded)

Ball & Wood Co. ("Ballwood," up to 5000 lbs. Pressure), Elizabeth, N. J.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Flashers (Electric Sign)

A. & W. Electric Sign Co., Cleveland, O.
Advertising Mirrorgraph Co. ("Thermo-Blink"), Brooklyn, N. Y.
American Electric Sign Co., Boston, Mass.
Bissell, F. Co., Toledo, O.
Campbell Electric Co., Lynn, Mass.
Electric Motor & Equipment Co., Newark, N. J.
Electro-Ad Co. ("Skedoodle"), Detroit, Mich.
Emerson Electric Mfg. Co., St. Louis, Mo.
Glaze-Morris Mfg. Co. ("Jem"), Columbus, O.
Haller Sign Works, 319 S Clinton Chicago, Ill.
Houillion, Edw., Cincinnati, O.
Palmer Electrical Co., Boston, Mass.
Reynolds-Dull Flasher Co. ("Dull's"), 152 5th av, Chicago, Ill.
Reynolds Electric Flasher Mfg. Co. ("New Reco"), 191 5th av, Chicago, Ill.
Ryan Construction Co., Indianapolis, Ind.
Universal Mfg. Co., 206 Illinois, Chicago, Ill.

Flashlights (Electric Lamp & Lantern)

American Electric Novelty & Mfg. Co. ("Ever Ready"), 308 Hudson, New York
American Endoscopic Co. ("Little Rhody"), Providence, R. I.
Eastern Carbon Works, West Side av & Central R. R., Jersey City, N. J.
Empire State Dry Battery Co., 55 Dey, New York
Franco-American Elec. Novelty Co., 111 Chambers, New York
Jaeger Miniature Lamp Mfg. Co. (Tantalum"), 134 Bible House, New York
Manufacturers & Inventors Elec Co. ("Cats Eye"), 84 Nassau, New York
Meyrowitz, E. B. ("Firefly"), 104 E 23d, New York
Mystic Elec. Gas Lighter Co., 119 Bible House, New York
Portable Elec. Safety Light Co. ("Hubbell"), Newark, N. J.
Roche, Wm. ("New Standard"), Jersey City, N. J.
Standard Sheet Metal Co. ("Bayflex" Flash Light), Passaic, N. J.
Strobel & Wilkens Co. ("Yankee"), 591 B'way, New York
Tardie, E. J., 240 6th av, New York
Universal Novelty Co. ("Eclipse," "Milwaukee"), 163 W 20th, New York
Vesta Accummulator Co., 1336 Michigan, Chicago, Ill.
Voltamp Electric Mfg. Co., Baltimore, Md.
Wilhelm, Henry Battery Co., 70 Frost, Brooklyn, N. Y.
Wolff, Albert & Co., 45 Vesey, New York

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*Flash Pin Patterns

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Flash Pins

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Flasks (Molders')

Adams Co. (Adams), Dubuque, Iowa
Arcade Mfg. Co. ("Arcade" Snap), Freeport, Ill.
Barnett, Oscar Foundry Co. ("Barnett" Brass Molders & "New Diamond" Snap), Newark, N. J.
Berkshire Mfg. Co. (Aluminum Snap), Cleveland, O.
Brass Founders' Supply Co. (For Brass Fdrs., Ribbed, etc.), Newark, N. J
Diamond Clamp & Flask Co. ("Diamond" Snap), Richmond, Ind.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Jurack, Chas. Pattern & Foundry Supply Mfg. Co., Milwaukee, Wis
Macphail Flask & Machine Co. ("Macphail" Steel), 334 Dearborn, Chicago, Ill.
Middleditch, Benj., Detroit, Mich.
NORTHERN ENGINEERING WORKS, Detroit, Mich. (See adv. index, end of book)
Obermayer, S. Co., 647 Evans, Cincinnati, O.
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Perkins, B. F. & Son, Boutallis, Holyoke, Mass.
Racine Engine & Machine Co. ("Racine" Snap), Racine, Wis.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO. (Snap), 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Smith & Caffrey Co. ("New Eureka" Snap), Syracuse, N. Y.
Stearns, E. C. & Co. ("Stearns" Snap), Syracuse, N. Y.
Sterling Wheelbarrow Co. (Sheet Steel), Milwaukee, Wis
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Flax Fibre Products

Union Fibre Co., Winona, Minn.

*Flax Swabs

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Flint

Eureka Flint & Spar Co., Trenton, N. J.
Hartford County Flint Co., Conowingo, Md.
Maryland Silicate Mills, Baltimore, Md.
York Chemical Works (Also Crushed), York, Pa.

*Flint Miners

GUILFORD & WALTERSVILLE Granite Co. (Rough & Ground), 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
PETERSBURG GRANITE CO. (Rough or Ground), 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)

Flint Pebbles & Flint Linings

Billings & Co., 86 Washington, Chicago, Ill.
Buebendorf Bros., Produce Ex., New York
Charles, J. M., 59 Pearl, New York
Delarue, Robert & Co., 132 Front, New York
McGlincey, John D. & Co. (Pebbles for Cement Mfrs. a Specialty), 21 Fulton, New York
Smidth, F. L. & Co., 50 Church, New York
Voigt, B. (French & Danish), 132 Front, New York

Floats (Carbureter)

Goodwin & Kintz Co. (Brass or Copper), Winsted, Conn.
McCord & Co., Old Colony bldg, Chicago, Ill.
Turner Brass Works, Sycamore, Ill.

Floats (Car & Grain)

American Car & Foundry Co. (Steel or Wooden), 915 Olive, St. Louis, Mo., & 165 Broadway, New York

Floats (Copper)

Bay State Metal Works, Cambridge, Mass.
Blessing, C. A., 516 Montgomery av, Philadelphia, Pa.
Boekel, Wm. & Co., 518 Vine, Philadelphia, Pa.
Boston Brass Co., 36 Oliver, Boston, Mass.
Briggs, William ("Dirigo" Solderless), 100 Schermerhorn, Brooklyn, N. Y.
Carr, J. H. & Co., 7 Sherman, Chsn., Boston, Mass.
Cleveland Faucet Co., 25 Frankfort, Cleveland, O.
Diamond Mfg. Co., Detroit, Mich.
Douglas, Jno. Co., 900 Poplar, Cincinnati, O.
Haydenville Co., Haydenville, Mass.
Hercules Float Works (Seamless), Springfield, Mass.
Ireland & Matthews Mfg. Co. (For Tanks), Detroit, Mich.
Miller, Hubbard Mfg. Co., Sturgis, Mich.
Naugatuck Mfg. Co. (Seamless), Naugatuck, Conn.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Page, Wm. B., E 166th & Walton av, New York
Pfau Mfg. Co., 936 Reading Rd, Cincinnati, O.
Ronalds & Johnson Co., 54 Cliff, New York
Reliance Gauge Column Co. (Solderless), 70 E Prospect, Cleveland, O.
Solderless Copper Float Co. ("Dirigo" Solderless), 44 Withers, Brooklyn, N. Y.
Smith & Pomeroy, Kalamazoo, Mich.
Steeger, Henry, 143 E 31st, New York
Trageser, Jno., Steam Copper Works, 447 W 26th, New York
Union Brass & Metal Co., St. Paul, Minn.
Victor Mfg. Co., Concord, N. H.
Watson & McDaniel (For Steam Traps), 146 N 7th, Philadelphia, Pa.
WILSON, F. CORTEZ & CO. (also Galvanized), 239 Lake, Chicago, Ill. (See adv. index, end of book)

Floats (Crockery)

Bellmark Pottery Co., Trenton, N. J.
Great Western Pottery Co., Kokomo, Ind.
Maddock, Jno. & Son, Trenton, N. J.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Potteries, Trenton, N. J.

Floats (Glass)

Burr, John M., 1939 Fulton, Brooklyn, N. Y.
Heap, Wm. & Sons, Grand Haven, Mich.
Jones, O. H. ("Capitol City," No Solder), Hartford, Conn.

Floats (Life)

(See Life Rafts)

Floor Cleavers & Polishers

(See Floor Surfacing Machines)

Floor Coverings

Detroit Woodoleum Co., Detroit, Mich.

Floor Dressing

(See Floor Oils, Dust Absorbing)

Floor Finish

Acme White Lead & Color Works, Detroit, Mich.
Atlantic Drier Co., Drexel bldg, Philadelphia, Pa.
BINSWANGER, B. & CO. ("Zanzibollo"), 115 N 4th, Philadelphia, Pa.
Binswanger, B. & Co. ("Zanzibollo"), 115 N 4th, Phila., Pa.
Bowers, U. B. & Sons ("Afro-Lac"), Los Angeles, Cal.
Bridgeport Wood Finishing Co., New Milford, Conn.
Butcher Polish Co., 356 Atlantic av, Boston, Mass.
Chicago Varnish Co., 41 Dearborn av, Chicago, Ill.
Chicago Wood Finishing Co., 259 Elston av, Chicago, Ill.
Cleveland Varnish Co. ("Permanere"), Cleveland, O
Floor-Shine Co. ("Floor-Shine" Enamel Colors), St. Louis, Mo.
Gilman, Chas. H. ("Drescote"), 103 Merrimac, Boston, Mass
Glidden Varnish Co. ("Jap-A-Lac"), Rockefeller bldg, Cleveland, O.
Hanna Paint Mfg. Co ("Lustro"), Columbus, Ohio
Johnson, S. C. & Son ("Johnson's" Kleen Floor), Racine, Wis.
Lilly Varnish Co. (Parquetry Floor Preservative), Indianapolis, Ind.
Nice, Eugene R. ("Agate"), 272 S 2d, Philadelphia, Pa.
Parker Mfg. Co., 18 Hoosick, Troy, N. Y.
Patterson-Sargent Co. ("China-Lac"), Cleveland, O.
Pratt & Lambert, Buffalo, N. Y., & 176 Fulton, New York
Standard Varnish Works (Gutta Percha & Flattine), 29 B'way, New York
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Vilas Bros. (Floorum Varnish), 227 5th av, Chicago, Ill.
Wadsworth-Howland Co., Chicago, Ill.
Wilson Co. ("Wilson" Liquid), 18 B'way, New York: Works: Long Island City, N. Y.
WOOD-MOSAIC FLOORING & LUMBER Co.; Main Office & Factory: Rochester, N. Y. (See adv. index & branch offices, end of book)

*Floor Finish (Parquet-Lac)

INTERIOR HARDWOOD CO., Indianapolis, Ind. (See adv. index, end of book)

Floor Lights

(See Vault & Sidewalk Lights, Plain & Prismatic)

Floor Oils (Dust Absorbing)

American Dust Absorbing Floor Oil Co., 181 Lafayette, New York
Bird, J. A. & W. & Co. ("The Globe"), 34 India, Boston, Mass.
Glidden Varnish Co. ("Glidden's" Waterproof for Concrete & Cement Floors), Rockefeller bldg, Cleveland, O.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Keyes, S. P., 149 Congress, Boston, Mass.
Lewis, Samuel ("Alpine Wax Oil"), 5 Front, New York
Meyer, L. J., Oil & Mfg. Co. ("Gold Seal"), 135 Lake, Chicago, Ill.
New England Dustalayer Co., 620 Atlantic av, Boston, Mass.
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York
Standard Oil Co. ("Standard"), 555 W 25th
Winn, Wm. R., 143 Maiden la, New York

Floor Plates (Wrought Steel)

(See Plates, Floor, Iron & Steel)

Floor Polish (Hard Wax)

Acme White Lead & Color Works (Colonial), Detroit, Mich.
Bird, J. A. & W. & Co., 34 India, Boston, Mass.
Bridgeport Wood Finishing Co., New Milford, Conn.
Butcher Polish Co., 356 Atlantic av, Boston, Mass.
Chicago Varnish Co., 855 Elston av., Chicago, Ill.
Great Western Oil Co., Cleveland, O.

THE INTERIOR HARDWOOD CO
MANUFACTURERS **INDIANAPOLIS, IND.**
(See adv. index, end of book)

Herr, John Floor Co., 2110 Olive, St. Louis, Mo.
Johnson, S. C. & Son Racine, Wis.
Lowell Polish Co., Lowell, Mass.
Onward Mfg. Co. ("Old Scotch"), Menasha, Wis.
Sherwin-Williams Co., Cleveland, O.
Smith, John A. (The Nonpareil), 456 S. B'way, Los Angeles, Cal.
Wadsworth, Howland & Co., 84 Wash'n, Boston, Mass.
WOOD-MOSAIC FLOORING & LUMBER Co., Main Office & Works, Rochester, N. Y. (See adv. index & branch offices, end of book)

Floor Surfacing Machines

(See Machinery)

*Floor Stands for Valves

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

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Floor Treads (Electric Bell)

Renim Specialty Co. ("Renim" for Use with Rigid or Flexible Metallic Conduit, etc.), Brighton Station, Boston, Mass.

Floor Wax

Boyle, A. S. & Co., 1908 W. 8th, Cincinnati, O.
Great Western Oil Co., Cleveland, O.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

*Flooring (Car)

AMERICAN MASON SAFETY TREAD Co. ("Karbolith"), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)

*Flooring for Stables

FLEMING & CO. (Adamantine Clinker Brick), 253 B'way, New York. (See adv. index, end of book)

Flooring (Hard Wood)

Carrier Lumber & Mfg. Co., Sardis, Miss.
Cincinnati Floor Co., Cincinnati, O.
Cobbs & Mitchell (Inc.), (Electric, Maple & Beech), Cadillac, Mich.
Cowper & Wilson Olean, N. Y.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dennis Bros. (Birch & Maple), Grand Rapids, Mich
Dunfee & Co., 59 N Claremont av, Chicago, Ill.
Dwight Lumber Co., Detroit, Mich.
Farrin, M. B. Lumber Co. (Poplar Siding & "Century" Oak Flooring), Cincinnati, O.
Heaton & Wood, 1706 Chestnut, Phila., Pa.
Inlaid Floor Co., 422 Sutter, San Francisco Cal.

THE INTERIOR HARDWOOD CO
MANUFACTURERS INDIANAPOLIS, IND.

(See adv. index, end of book)

Johnson, S. C. & Son, Racine, Wis.
Kentucky Hardwood Flooring Co., Louisville, Ky.
Nashville Hardwood Flooring Co. ("Acorn Brand" & Oak Beech), Nashville, Tenn.
New Glasgow Planing Mill Co. (Beech, Oak, etc.), Glasgow, Ky.
North Vernon Lumber Co. ("Indiana" Brand), North Vernon, Ind.
Salmon, Hamilton H. & Co. (Wholesale Mfrs.), 88 Wall, New York
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Union Planing Mill Co., Olean, N. Y.
Waccamaw Lumber Co., Bolton, N. C.
Wilce, T. Co., 22d & Throop, Chicago, Ill.
WOOD-MOSAIC FLOORING & LUMber Co., Main Office & Works, Rochester N. Y. (See adv. index & branch offices, end of book)

Flooring (Maple)

Benedict, C. D. & Co., Peoria, Ill.
Bruckman Lumber Co., Allegheny, Pa.
Buffalo Maple Flooring Co. ("Michigan Rock"), Buffalo, N. Y
Cobbs & Mitchell (Inc.) ("Electric"), Maple & Beech, Cadillac, Mich.
Cream City Sash & Door Co., 7th av & Park, Milwaukee, Wis.
Cummer, Diggins & Co., Cadillac, Mich.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dennis Bros. ("National"), Grand Rapids, Mich
Dwight Lumber Co. (and Wholesale Dealers), Rouge River & M. C. R. R., Detroit, Mich.
Eastman, S. L., Flooring Co. ("Saginaw Brand"), Saginaw, Mich.
Excelsior Clay Works, Brazil, Ind.
Forman, Thos. Co. (Maple & Oak, Bored & End Matched), Detroit, Mich.
Fuller & Rice Lumber & Mfg. Co., Grand Rapids, Mich.
Gilchrist, F. W., Alpena, Mich.
Haak Lumber Co. ("Haakwood"), Haakwood, Mich.
Hettler, Herman H. Lumber Co. (Modern Brand), 1324 Elston av, Chicago, Ill.
Kelley Lumber & Shingle Co. (Kiln Dried, End Matched, Polished & Bored), Traverse City, Mich.
Kerry & Hanson Flooring Co. ("Chief" Brand), Grayling, Mich.
Krouskop, A. H., Richland Center, Wis.
Lennan, Isaac P. & Co., Lumber Exchange, Minneapolis, Minn.
Lobdell & Churchill Mfg. Co., Onaway, Mich.
Manistee Planing Mill Co., Manistee, Mich.
Mitchell Bros. Co. ("Rockhard"), Cadillac, Morgan Co., Oshkosh, Wis. Mich.
Nichols & Cox Lumber Co., Grand Rapids, Mich.
North Branch Flooring Co., 1735 N Western av, Chicago, Ill.
Read, F. W. & Co. (I. & L. Polished, etc.), Marquette, Mich.
Rittenhouse & Embree Co. (Gilt Edge), 3500 S Centre av, Chicago, Ill
Robbins Lumber Co. ("Robbins" Rock Maple), Rhinelander, Wis.
Schroeder, Jno. Lumber Co., Milwaukee, Wis.
Schultz Bros., 84 Van Buren, Chicago, Ill.
South Side Lumber Co., S Ashland av & W 22d Chicago, Ill.
STEARNS, A. T. LUMBER CO. (Lumber), Neponset, Boston, Mass. (See adv. index, end of book)
Stephens, Henry, & Co., Detroit, Mich.
Stephenson, I., Co. ("Ideal" Rock Maple), Wells, Mich.
Ward Bros. ("Michigan"), Big Rapids, Mich.
White, W. H., Co. ("White Rock"), Detroit, Mich.
Wilce, T. Co., Throop & W 22d sts, Chicago, Ill.
Williams, W. E., Co., Traverse City, Mich.
Wisconsin Land & Lumber Co. (Maple, Birch & Cherry), Hermansville, Mich.
Young, W. D. & Co., West Bay City, Mich.

Flooring (Oak)

(See also Flooring, Maple)

Arpin Hardwood Lumber Co. ("A-H-L" Brand. Red Oak), Grand Rapids, Mich.
Arthur Hardwood Flooring Co. (Arthur Brand), Memphis, Tenn.
Bruckman Lumber Co., Allegheny, Pa.
Buffalo Maple Flooring Co. ("Michigan Rock"), Buffalo, N. Y.
Carrier Lumber & Mfg. Co. (Kiln Dried, Bored, Polished, End Matched, etc.), Sardis, Miss
Dwight Lumber Co., Rouge River & M. C. R. R., Detroit, Mich.
Farrin-Korn Lumber Co., Station av, Winton pl, Cincinnati, O.
Farrin, M. B. Lumber Co. ("Century," also Poplar Siding), Cincinnati, O.
Fern Bros. Co., Memphis, Tenn.
Forman, Thos. Co., Detroit, Mich.
Fourche River Lumber Co., Fourche, Ark.
INTERIOR HARDWOOD CO., Indianapolis, Ind. (See adv. index, end of book)
Kentucky Hardwood Flooring Co., Louisville, Ky.
Krouskop, A. H., Richland Centre, Wis.
Linehan Lumber Co., Pittsburg, Pa.
Mitchell Bros. Co. ("Red Oak"), Cadillac, Mich.
Morgan Co., Factory & General Offices, Oshkosh, Wis.
Nashville Hardwood Flooring Co. ("Acorn"), Nashville, Tenn.
New Glasgow Planing Mill Co. (Kiln Dried Bored, End Matched, Hollow Back & Polished), Glasgow, Ky
Rittenhouse & Embree Co. (Gilt Edge), 3500 S Centre av, Chicago, Ill.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Wilce, F., Co., 22d & Throop, Chicago, Ill.
WOOD-MOSAIC FLOORING & LUMber Co., Main Office & Works, Rochester, N. Y. (See adv. index & branch offices end of book)

Flooring (Sanitary)

American Hydrolith Co. ("Hydrolith"), 25 Dean, Brooklyn, N. Y.
AMERICAN MASON SAFETY TREAD Co. ("Karbolith"), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)
American Monolith Co. ("Monolith"), Milwaukee, Wis.
Asbestolith Mfg. Co., 156 5th av, New York
Eastern Concrete Machinery & Supply Co. ("Marble Crete"), Akron, N. Y.
California Peerless Stone Tile & Plaster Co., San Francisco, Cal.
Demolith Co. ("Demolith," "Xolith") San Francisco, Cal.
De Planque, R., & Son ("Sorellith" Fireproof Composition), 341 N 4th, Phila., Pa.
Imperial Floor Co., Rochester, N. Y.
Keasbey, Robt. A., Co. ("Crown"), 100 N Moore st, New York
Magnalith Flooring & Wainscoting Co., 116-118 California st, San Francisco, Cal.
Magno-Artolith Co. (Composition), 253 B'way, New York
Marbleoid Co. ("Sanitas," "Marbleoid"), 47 W 34th, New York
Petit Manufacturing Co. ("Magnalith" Plastic), Butler bldg, San Francisco, Cal.
Raecolith Co. ("Raecolith"), Portland, Ore.
Schillinger Bros. Co., Toledo, O
Sedgwick-Flower Co. ("Ideal-Monolith"), 271 B'way, New York
Thompson & Kirkpatrick ("Imperial," Asbestos), 1021 Callowhill, Phila., Pa.
United States Doloment Co. (Ltd.) ("Dolomment"), 949 B'way, New York
Warren Bros. Co. ("Puritan"), Boston, Mass.

Flooring (Wood Block)

INTERIOR HARDWOOD CO., Indianapolis, Ind. (See adv. index, end of book)
Nightingale Co. (Interlocking, Laid on Cement Only), 277 B'way, New York
WILSON, JAS. G. MFG. CO. (English System), Chief Office, 3 W 29th, New York. Mills & Factory: Norfolk, Va. (See adv. index, end of book)
WOOD-MOSAIC FLOORING & LUMber Co., Main Office & Works, Rochester, N. Y. (See adv. index & branch offices, end of book)

Floors (Parquet)

(Star (*) Indicates Manufacturers)

Acme Floor Co., 271 Wabash av, Chicago, Ill.
Adams, R. T. (Wood Mosaic Flooring Co.), 24 Bloomfield, Boston, Mass.
American Parquetry Co., 3 E 42d, New York
*American Parquetry Floor Co., 1124 Walnut, Philadelphia, Pa.
Bateman, Wm., 835 Folsom, San Francisco, Cal.
*Bostwick-Godell Co., Norwalk, O.
*Boynton, John H., 186 5th av, New York
Buttle Parquet Floor Co., 36 W. 27th, New Carthage Lumber Co., Carthage, N. Y. York
*Cincinnati Floor Co., Cincinnati, O.
Cleveland Grille & Mfg. Co., W 30th & Walworth av, Cleveland, O.
Cleveland Hardwood Floor Co., 1241 E 45th, 89 Taylor Arcade, Cleveland, O.
*Dunfee, J. & Co., 104 Franklin Union, Chicago, Ill.
Eaglesfield-Stewart Co., Indianapolis, Ind.
Halbert, Geo. & W., 455 Fulton, Brooklyn, N. Y.
Hamilton, H. E. & Co., Indianapolis, Ind.
Heaton & Wood, 1706 Chestnut, Phila., Pa.
Herr, Jno. Floor Co., 2110 Olive, St. Louis, Mo.
Inlaid Floor Co., 422 Sutter, San Francisco, Cal.

THE INTERIOR HARDWOOD CO
MANUFACTURERS INDIANAPOLIS, IND.

(See adv. index, end of book)

Interlaced Parquetry Floor Co., 13 Lawrence, New York
*Johnson, S. C. & Son, Racine, Wis.
*Koch, G. W. & Son, 467 5th av, N. Y.
Lennan, Isaac P. & Co. (Wholesale), Lumber Exchange, Minneapolis, Minn.
Moore, E. B. & Co., 76 Wabash, Chicago, Ill.
Moore, J. C. & Co., 38 S 18th, Phila., Pa.
*National Wood Floor Co., 500 5th av, New York
*New York Flexible Wood Flooring Co., 37 W 42d, New York
Nightingale Co. (Interlocking, Laid on Cement Only), 277 B'way, New York
Northwestern Parquet Floor Co., 82 S 9th, Minneapolis, Minn.
Osgood, Blodgett Mfg. Co., St. Paul, Minn.
*Pope, Charles A., 726 Lexington av, New York
Reid, Wm. G. & Co., 2 W 33d, N. Y.
Roberts, E. L. & Co. (For the Trade Only), W 22d & Union pl, Chicago, Ill.
Roll's, W. H. Sons, Indianapolis, Ind.
Scott, Walker A. (Mfr.), Evansville, Ind.
Serage Hygienic Floor Co., Columbus, O.
Smith, Jno. A. Co. (Operative Floor Co.), Los Angeles, Cal.
Standard Parquet Floor Co., 80 Court, B'klyn, N. Y.
Terwilliger Mfg. Co., 11 W 39th, New York, & 302 Fulton, Brooklyn, N. Y.
Terwilliger Mfg. Co., 3 W 23d, New York, & 302 Fulton, Brooklyn, N. Y.

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ATLANTA, GA. ..... *EDWARD HAYNES LBR. CO., 43 Spring Street*
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BALTIMORE, MD. ..... *J. M. ADAMS. 330 N. Charles Street*
BUFFALO. N. Y. ..... *STEVENS FLOOR CO., 658 Main Street*
CINCINNATTI, O. ..... *MOORES-CONEY CO., 1511 Union Trust Building*
DENVER, COLO. ..... *DENVER HARDWOOD FLOOR CO.. Acoma Street*
HAMILTON, ONT., CAN. ..... *THOMAS C. WATKINS*
LOUISVILLE, KY. ..... *H. M. ENGLEMAN, 515 Third Avenue*
MONTREAL, CANADA ..... *MONTREAL WOOD MOSAIC FLG. CO., 730 St. Catherine Street, W.*
MILWAUKEE, WIS. ..... *JOHN DOUBRAWA & SON, 633 E. Water Street*
NEW HAVEN, CONN. ..... *W. H. MALAY, 87 Orange Street*
NEW YORK, N. Y. ..... *WOOD-MOSAIC CO., 9 East 32nd Street*
NEWARK, N. J. ..... *R. A. DORRILL, 280 Bank Street*
PROVIDENCE, R. I. ..... *ARDREY & ADAMS CO, 107 Washington Street*
PHILADELPHIA, PA. ..... *HEATON & WOOD, 1706 Chestnut Street*
PITTSBURG, PA. ..... *EMPIRE FLOORING CO., 905 Manufacturers Building*
ROCHESTER, N. Y. ..... *ABNER ADAMS CO., 58 East Avenue*
SAN FRANCISCO, CAL. ..... *HARDWOOD INTERIOR CO., 873 O'Farrell Street*
SPRINGFIELD, MASS. ..... *J. F. LAWSON & CO., c/o Forbes & Wallace Rug Department*
TOLEDO, O. ..... *E. G McFILLEN, 25 N. Erie Street*
WASHINGTON, D. C. ..... *J. M. ADAMS, 1126 Connecticut Avenue*
WILKES-BARRE, PA. ..... *WILLIAMS & McANULTY, 18 S. Main Street*

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Victor Parquetry Floor Co., Lynn, Mass.
*Wilke Mfg. Co. (Mfrs.), Anderson, Ind.
WOOD MOSAIC CO., 315 5th av, New York, & 153 Lawrence, Brooklyn, N. Y.
***WOOD-MOSAIC FLOORING & LUMBER Co., Main Office & Works, Rochester, N. Y. (See adv. index & branch offices, end of book)**

Floors (Sanitary)

(See Flooring, Sanitary)

Flour (Foundry)

Federal Foundry Supply Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Piqua Flour Co. (Core Flour), Piqua, O.
Millers' Products Co., 39th & Wallace, Chicago, Ill.

Flour Mill Builders

Barnard Machinery Co., Enterprise, Kan.
Barnard & Leas Mfg. Co., Moline, Ill.
Dehner-Wuerpel Mill Bldg. Co., St. Louis, Mo.
Gump, B. F., Co., S. Clinton, Chicago, Ill.
Hutchinson, Jno, Mfg. Co., Jackson, Mich.
Robinson Mfg. Co., Muncy, Pa.
Salem Foundry & Machine Works, Salem, Va.
Starr, B. F. Co., 455 North, Baltimore, Md.
Stone, R. C., Springfield, Mo.

Flower Pot Mfrs.

Cambridge Tile Mfg. Co. (Inc.), Covington, Ky.
Carnegie Brick & Pottery Co., San Francisco, Cal.
Detroit Flower Pot Mfg. Co., 490 Howard, Detroit, Mich.
Findlay Clay Pot Co., Findlay, O.
Ionia Pottery Co., Ionia, Mich.
Johnson Pottery Co., Mt. Gilead, O.
Standard Toy Marble Co., Akron, O.
Syracuse Pottery Co., Syracuse, N. Y.
Uhl Pottery Co., Evansville, Ind.
Washington Brick, Lime & Mfg. Co., Spokane, Wash.
Wassall Fire Clay Co., 40 E Spring, Columbus, Ohio

*Flower Pot Mfrs. (Metal, in Battery)

WILSON, F. CORTEZ & CO. ("Potalv"), 239 Lake, Chicago, Ill. (See adv. index, end of book)

Flue Cleaners or Brushes

(See Cleaners, Boiler Flue & Tube)

Flue Linings

American Clay Products Co., 188 Washington, Chicago, Ill.
AMERICAN CONCRETE CO. (Concrete), 80 William, New York. (See adv. index, end of book)
American Sewer Pipe Co., Bessemer bldg, Pittsburg, Pa.
Birmingham Fire Brick Works, Birmingham, Ala.
Brockett, C. A. Cement Co., Kansas City, Mo.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Buckeye Fire Clay Co., Uhrichsville, O.
Carnegie Brick & Pottery Co., San Francisco, Cal.
Chattanooga Sewer Pipe & Brick Co., Chattanooga, Tenn.
Clearfield Clay Working Co., Clearfield, Pa.
Clark, N. & Sons, 17 Spear, San Francisco, Cal.
Crown Fire Clay Co., Canal Dover, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
Duffy, J. P. Co., 440 E 138th, New York
East Ohio Sewer Pipe Co., Irondale, O.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Federal Clay Mfg. Co., B'way & 23d, New York
FISKE & COMPANY (Inc.) (Mfrs.' Agents), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)
Gladding, McBean & Co., San Francisco, Cal.; Works, Lincoln, Cal.
Golden Pressed & Fire Brick Co., 431 15th, Denver, Col.
Iowa Pipe & Tile Co., Des Moines, Ia.
Klotz, A. E. Fireproofing Co., 137th & Madison av, New York
Laclede-Christy Clay Products Co., St. Louis, Mo.
Little Falls Fire Clay Co., Little Falls, Wash.
Macomb Sewer Pipe Co., Macomb, Ill.
MAURER, HENRY & SON, 420 E 23d, New York; Penna. bldg, Philadelphia, Pa.; Works, Maurer, N. J. (See adv. Front Inside Cover)
Monmouth Mining & Mfg. Co., Monmouth, Ill.
National Terra Cotta Works, 310 13th, N. W., Washington, D. C.
New York Pottery Co., 940 B'way, New York
Parker & Russell Mining & Mfg. Co., 417 Pine, St. Louis, Mo.
Patton Clay Mfg. Co., Patton, Pa.
Pea Shore Brick & Terra Cotta Works, 31 Market, Camden, N. J.
Pittsburg Sewer Pipe & Conduit Co., Pittsburg, Kans.
Pomona Terra Cotta Co., Pomona, N. C.
Robinson Clay Product Co., Akron, O.
Rochester Sewer Pipe Co., 545 Oak, Rochester, N. Y.
St. Marys Sewer Pipe Co., St. Marys, Pa.
Shawmut Clay Mfg. Co. ("Shawmut"), Drummond, Pa., & 182 B'way, New York
Southern Sewer Pipe Co., Birmingham, Ala.
Southern Terra Cotta Works, 304 Chapel, Atlanta, Ga.
Steiger Terra Cotta & Pottery Works (Terra Cotta), San Francisco, Cal.
Stevens, H. Sons Co., Macon, Ga.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Uhl Pottery Co., Evansville, Ind.
Williams, N. A. & Co., Chamber of Commerce bldg, Chicago, Ill.

Flue Scrapers

(See Cleaners, Boiler Flue & Tube)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

Flumes (Iron)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Fitz Water Wheel Co., Hanover, Pa.
Franklin Boiler Works Co., Green Island, Troy, N. Y.
Hunt, Rodney Machine Co., Orange, Mass.
KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
New York Central Iron Works Co. (Also Steel), Geneva, N. Y.
Risdon Iron & Locomotive Works, San Francisco, Cal.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of
Southern Bridge Co., Birmingham, Ala. book)

Fluorspar

Crocker Bros. (Importers), 99 John, New York
Eagle Fluor Spar Co. (For Metallurgical Purposes), Wheeling, W. Va., & Salem, Ky.
Fairview Fluor Spar & Lead Co., 88 Park Row, New York. Mines: Golconda, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Kentucky Fluor Spar Co., Marion, Ky.
Mallinckrodt Chemical Works, St. Louis, Mo.
Penna. Salt Mfg. Co. (Pyrite), 115 Chestnut, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 100 William, New York
Rosiclaire Lead & Fluorspar Mines, Washington, D. C.
Tennant's, C. Sons & Co. (Importers), 76 William, New York
Wiarda, Jno. C. & Co., Brooklyn, N. Y.

Flush Tanks

Koven, L. O., & Bro., 50 Cliff, New York
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Newport Foundry & Machine Corporation (Sewage Disposal Siphon"), Newport, R. I.
Pacific Flush Tank Co. ("De La Hunt," also "Miller" Automatic Siphon for Flushing Sewers), 184 La Salle, Chicago, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Flushers (Automatic Sewage)

Healey Sewer Machine & Construction Co., 15 Beacon, Boston, Mass.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)

Flux (Brass Foundry)

Foundry Specialty Co., Cincinnati, O.

Flux (Soldering)

(See Soldering Paste, Salts & Stick)

*Fluxine

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

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*Fly Killers (Fine Steel Wire)

OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Fly Nets

Given, R. & Son Co. (For Horses), Sidney, O.
Penna Net Co., Wellsville, Pa.
Wellsville Mfg. Co., Wellsville, Pa.
Wilson, R. F. & Co. (Leather), Milton, Pa.

Fly Screens

(See Screens, Window, Metal Frame: also Screens, Window & Door; also Screens, Wire, Rustless)

Foot-Balls & Bladders (Rubber)

Goodrich, B. F. Co., Akron, O.

Foot Warmers (Electric)

Electric Heating & Mfg Co. (Also Room Heaters), Los Angeles, Cal.

Force Cups (Rubber)

Morgan & Wright (Inc.) (Plumbers), Detroit, Mich.

Forges (Blacksmiths')

(See Forges, Portable)

Forges (Blast)

Buffalo Forge Co. (Stationary & Portable), Buffalo, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.
Sturtevant, B. F. Co., Hyde Park, Mass.

Forges for Brazing Irons

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Hauck Mfg. Co., 140 Cedar, New York

Forges for Drop Forging Plants

AMERICAN GAS FURNACE CO. (Gas Blast), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
MACLEOD, WALTER & CO., 213 E. Pearl Cincinnati, O. (See adv. index, end of book)
Miner & Peck Mfg. Co., New Haven, Conn.
Union Drop Forge Co., 66 E Ohio, Chicago, Ill.

Forges (Gas Blast)

AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
CHICAGO FLEXIBLE SHAFT CO. ("Stewart"), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Comstock, A. S. (Automatic Power), Evanston, Ill
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
U. S. Gas Furnace Co., 159 Aborn, Providence, R. I.
Westmacott Gas Furnace Co., 159 Orange, Providence, R. I.

Forges (Heating)

Beaudry & Co., 141 Milk, Boston, Mass.
Bradley, C. C. & Son, Syracuse, N. Y.
Buffalo Forge Co., Buffalo, N. Y., & 39 Cortlandt, New York
Canedy-Otto Mfg. Co. (Portable & Stationery), Chicago Heights, Ill.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Crude Oil or Gas), Chicago, Ill. (See adv. index & branch offices, end of book)
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
Evans', Jno. Sons (& Welding), 13th & Buttonwood, Philadelphia, Pa
MACLEOD, WALTER & CO., 213 E. Pearl Cincinnati, O. (See adv. index, end of book)
New York Blower Co., 25th pl & Stewart av Chicago, Ill.; Works: Bucyrus, O

Forges (Oil, Portable)

Boston Crude Oil Burner Co. (For Heating Rivets, etc.), Board of Trade bldg, Boston
Burke Machinery Co., Cleveland, O. Mass.
Hauck Mfg. Co., 140 Cedar, New York
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
National Supply Co. ("Billow" System), 316 Dearborn, Chicago, Ill.

Forges (Pneumatic)

Gunnell Machine Co., Manitowoc, Wis.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)

Forges (Portable)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Billings & Spencer Co., Hartford, Conn.
Boynton & Plummer, Worcester, Mass.
Braun, F. W., 18 Spear, San Francisco, Cal
Brown & Patterson, 33 Marcy av, Brooklyn, N
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief" & "Royal"), Chicago Heights, Ill
CANTON FOUNDRY & MACHINE CO. ("Universal," Blacksmiths', etc.), Canton O. (See adv. index, end of book)
Champion Blower & Forge Co., Lancaster, Pa
Chicago Scale Co., 292 W Jackson boul, Chicago, Ill
Cleveland Steam Gauge Co. ("Watson"), 1611 Merwin, N. W., Cleveland, O
Cox & Sons Co., 215 Race, Phila, Pa.
Cumming, David, 787 W Kinzie, Chicago, Ill.
DONEGAN & SWIFT, 9 Murray, New York. (See adv. index, end of book)
Fargo Foundry Co. (Farm), Fargo, N. D.
Foos Mfg. Co. (Blacksmiths & Farmers), Springfield, O.
Garratt, W. T. & Co., Fremont & Natoma, San Francisco, Cal.
INGERSOLL-RAND CO., 11 B'Way, New York. (See adv. index & branch offices, end of book)
Potts, D. H., Lancaster, Pa.
Roots, P. H. & F. M. Co., Connersville, Ind
Russ, A. E. Mfg. Co., 6813 Wade Park av, N E, Cleveland, O
Silver Mfg. Co., Salem, O.
Slotkin, Mayer ("Kickdrive"), 210 Canal, New York
Star Forge Co. (Portable Bellows Forge), Buffalo, N. Y.
Sturtevant, B. F. Co., Hyde Park, Mass.
Union Forge & Mfg. Co. (Rivet), 142 Ryan, Buffalo, N. Y
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Forges (Rivet Heating)

Boston Crude Oil Burner Co. ("Jackson" Oil Burner Self-Cleaning), Board of Trade bldg, Boston, Mass
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Hauck Mfg. Co., 140 Cedar, New York
INGERSOLL-RAND CO. ("McDonald"), 11 B'way, New York. (See adv. index & branch offices, end of book)
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Rockwell Furnace Co. (Portable Oil), 26 Cortlandt, New York
Star Forge Co. (Portable Bellows Forge), Buffalo, N. Y.
TATE, JONES & CO. (Inc.) (Portable Oil Rivet Forges), Empire bldg, Pittsburg, Pa. (See adv. index, end of book)

Forges (Tire Iron)

(See Heaters, Tuyere Iron)

Forging Machines

(See Machines, Forging)

Forgings (Aluminum)

Belden Machine Co., New Haven, Conn.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
United States Aluminum Co., Pittsburg, Pa.
Williams, J. H. & Co., 150 Hamilton, Brooklyn, N. Y.

Forgings (Automatic Coupler)

American Iron & Steel Co. (Back Link, Knuckle & Pivot Pins, Drawhead Bolts & Nuts, etc.), Lebanon, Pa.

Forgings (Automobile)

(See also Forgings, Drop)

AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atwater Mfg. Co., Plantsville, Conn.
Bates Forge Co., Indianapolis, Ind.
Belden Machine Co., New Haven, Conn.
Bethlehem Steel Co. (Of Special Grades of Steel), South Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bonney Vice & Tool Works (Inc.), Allentown, Pa.
Bullard Automatic Wrench Co., Providence, R. I.
Chester Forging & Engineer'g Co., Chester, Pa.
Chicago Drop Forge & Foundry Co., 115th pl & M. C. R. R., Chicago, Ill.
Consolidated Mfg. Co., Toledo, O.
Crescent Forgings Co., Oakmont, Pa.
Detroit Steel Products Co., E Grand blvd & Chene, Detroit, Mich.
Dunne, Geo. W. & Co., 687 Carroll av, Chicago, Ill.
Dyson, Jos. & Sons, 5125 St. Clair av, N E, Cleveland, O.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Funk Engineering Co., 89 14th, Hoboken, N. J.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Gill, P. H. & Son, Lorraine & Otsego, Brooklyn.
Hayes Mfg. Co. (Iron), Detroit, Mich. N. Y.
Heppenstall Forge & Knife Co., Pittsburg, Pa.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Jackson Drop Forging Co., Jackson, Mich.
Keystone Drop Forge Works, Chester, Pa.
Ohio Forge Co., Cleveland, O.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Richmond Forgings Corporation, Belle Isle, Richmond, Va.
Seward, M. & Son Co., New Haven, Conn.
Sizer Forge Co., Buffalo, N. Y.
Standard Connecting Rod Co., Beaver Falls, Pa.
Strieby & Foote Co. (Drop), Newark, N. J.
Tindel-Morris Co. (Finished), Eddystone, Pa., & Ellwood City, Pa.
Transue & Williams Co., Alliance, O.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Williams, J. H. & Co. (Drop Forgings of Every Description), 150 Hamilton av, Brooklyn, N. Y.
WORCESTER PRESSED STEEL CO. (Cold), Worcester, Mass. (See adv. index, end of book)
Wyman & Gordon, Worcester, Mass.

Forgings (Bronze)

Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Detroit Steel Products Co., E Grand blvd & Chene, Detroit, Mich.
Eureka Tempered Copper Works, North East, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Keystone Drop Forge Works, Chester, Pa.

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PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Phosphor Bronze Smelting Co., Ltd., 2200 Washington av, Philadelphia, Pa.
Transue & Williams Co., Alliance, O.
Union Drop Forge Co., Chicago, Ill.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.
Wyman & Gordon, Worcester, Mass.

*Forgings (Cold)

WORCESTER PRESSED STEEL CO., Worcester Mass. (See adv. index, end of book)

Forgings (Copper)

Belden Machine Co., New Haven, Conn.
Billings & Spencer Co., Hartford, Conn.
Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
Eureka Tempered Copper Works, North East, Pa.
Forest City Electric Co. (Roll Drop), Cleveland, Ohio
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Keystone Drop Forge W'ks, Chester, Pa.
Kilborn & Bishop Co., New Haven, Conn.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Transue & Williams Co., Alliance, O.
Union Drop Forge Co., Chicago, Ill.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.
Wyman & Gordon, Worcester, Mass.

Forgings (Drop)

Akron Machine Co., Akron, O.
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)
American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Barnes, Wallace Co. (Small), Bristol, Conn.
Barnett Drop Forging Co., Easthampton, Mass.
Bassett, D. M. Bolt Works (Inc.), Shelton, Conn.
Bates Forge Co. (Flange Wheels), Indianapolis, Ind.
Belden Machine Co., New Haven, Conn.
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Billings, C. E. Mfg. Co., Rocky Hill, Conn.
Blakeslee Forging Co., Plantsville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bonney Vice & Tool Works (Inc.), Allentown, Pa.
Booth Drop Forge Co., 114 Nassau, New York
Brown, R. H. & Co., New Haven, Conn.
Bullard Automatic Wrench Co., Providence, R. I.
Cambria Forge Co. (Light & Heavy), Johnstown, Pa.
Canton Drop Forge & Mfg. Co., Canton, O.
Cape Ann Tool Co., Rockport, Mass.
Chicago Drop Forge & Foundry Co., 115th pl & M. C. R. R., Chicago, Ill.
Clapp, E. D. Mfg. Co. (Carriage, Bicycle, etc.), Auburn, N. Y.
Cleveland Drop Forging Co., Cleveland, O.
Columbia Machine Works & Malleable Iron Co. (Elec. Railway), 269 Chestnut, Brooklyn, N. Y.
Columbus Bolt Works (Carriage, etc.), Columbus, O.
Columbus Forge & Iron Co., Columbus, O.
Consolidated Mfg. Co., Toledo, O.
Crescent Forgings Co., Oakmont, Pa.
Crescent Tool Co., Jamestown, N. Y.
Detroit Forging Co. (Carriage, etc.), Detroit, Mich
Detroit Steel Products Co., E Grand blvd & Chene, Detroit, Mich.
Doble, Abner Co. (All Kinds), 200 Fremont, San Francisco, Cal.
Eccles, Richard Co. (Carriage & Special), Auburn, N. Y.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
G. & W. MFG. CO., 246 Cortlandt, New York. (See adv. index, end of book)
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Granger, David J., 25 S Canal, Chicago, Ill.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Henry & Allen, Auburn, N. Y.
Herbrand Co., Fremont, O.
Indianapolis Drop Forging Co. (All Kinds), Indianapolis, Ind.
Jackson Drop Forging Co., Jackson, Mich.
Keystone Drop Forge Works (Special, all kinds), Chester, Pa.
Keystone Forging Co. (Carriage & Special), Northumberland, Pa.
Kilborn & Bishop Co. (Carriage, Bicycle, etc.), New Haven, Conn.
Lorain Steel Co., Penna. bldg, Phila., Pa.
McKay, Jas. & Co., Germania Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
Marine Hardware & Equipment Co., South Portland, Me.
MERRILL BROS., William st., Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Michigan Bolt & Nut Works, Detroit, Mich.
Moore Drop Forging Co., Springfield, Mass.
New Castle Forge & Bolt Co., New Castle, Pa.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
O. K. Tool Co., Shelton, Conn.
Ohio Forge Co., Cleveland, O.
Oliver Iron & Steel Co. (Car & General), Pittsburg, Pa.
PAGE-STORMS DROP FORGE CO. (Gun, Automobile, Bicycle, Golf & Special), Chicopee, Mass. (See adv. index, end of book)
Park Drop Forge Co., Cleveland, O.
Penna. Drop Forging Co., 937 Fayette, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. (R. R. & Mining Tools), Chester Pa
Richmond Forgings Corporation, Belle Isle, Richmond, Pa.
Rhode Island Tool Co., Providence, R. I.
Scranton Forging Co. (Carriage, etc.), Scranton, Pa.
Seward, M. & Son Co. (Carriage, Bicycle, etc.), New Haven, Conn.
Smith, H. D. & Co. (Vehicle & Special), Plantsville, Conn.
Solid Steel Tool & Forge Co. (Track, Mining & Blacksmiths' Tools), Brackenridge, Pa.
Springfield Drop Forging Co., Springfield, Mass.
Strieby & Foote Co. (Automobile & Special), 301 Ogden, Newark, N. J.
Thomson Drop Forging Co., Plantsville, Conn.
Tindel-Morris Co., Eddystone, Pa.
Transue & Williams Co., Alliance, O.
Union Drop Forge Co., Chicago, Ill.
United Drop Forging Co., Springfield, Mass.
Utica Drop Forge & Tool Co., Utica, N. Y.
Western Drop Forge Co., Marion, Ind.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)
Whitaker Mfg. Co., 30 W Monroe, Chicago.
Wilcox, D. Mfg. Co., Mechanicsburg, Pa. Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
Williams Drop Forging Co. ("Williams" Cantsilip-Horse Shoes & Calks), Scranton, Pa.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.
Winkelman, Louis, & Co., 445 E Pearl, Cincinnati, O.
Wyman & Gordon, Worcester, Mass.

Forgings (Electric)

(See Welding, Electric)

Forgings (Electric Railway)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Billings & Spencer Co., Hartford, Conn.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, New York
Dunne, Geo. W. & Co., 687 Carroll av, Chicago, Ill.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Keystone Drop Forge Works, Chester, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Union Drop Forge Co., 66 E Ohio, Chicago, Ill.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.

Forgings (Gas Engine)

(See also Forgings, Drop; also Forging, Iron & Steel)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Heppenstall Forge & Knife Co., Pittsburg, Pa.
Keystone Drop Forge Works, Chester, Pa.
Tindel-Morris Co. (Specialty, Crankshafts Finished), Eddystone, Pa. & Ellwood City, Pa.
Tioga Steel & Iron Co., 52d & Gray's av, Phila., Pa.
Union Drop Forge Co., 66 E Ohio, Chicago, Ill.

Forgings (German Silver)

Riverside Metal Co., Riverside, N. J.

PAGE-STORMS DROP FORGE CO.

10 EXCHANGE ST., CHICOPEE, MASS.

.. MANUFACTURERS OF ..

DROP FORGINGS

OF EVERY DESCRIPTION IN

STEEL, IRON, BRONZE AND COPPER.

Drop Forged Wrenches

(Unfinished, Semi-Finished and Finished)

Engineers and Machinists — Straight End
Check Nut — Set Screw — Car "S"
Angle — Construction — Structural
General Purpose — Tool Post

Largest Stock of Wrenches Carried in CHICAGO and NEW YORK.

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*Forgings (Golf)

PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)

Forgings (Hollow)

Bethlehem Steel Co., South Bethlehem, Pa.

Forgings (Hydraulic)

American Tube & Stamping Co., Bridgeport, Conn.
American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Forgings (Iron & Steel)

ALABAMA.

BIRMINGHAM—Birmingham Steel & Iron Co.
HUNTSVILLE—Huntsville Fdy. & Machine Works (Nolan & Jones, Props.). (Light & Heavy)
MOBILE—Alabama Iron Works (Light & Heavy)

CALIFORNIA.

MARYSVILLE—Yuba Construction Co.
SAN FRANCISCO—Doble, Abner, Co.
Hammond, Jno., & Co., 7th & King
Noble Electric Steel Co.
Pennington, G. W. Sons (Inc.)
Union Iron Works (Ship & Mining), 20th & Mich.

CONNECTICUT.

BRIDGEPORT—American Tube & Stamping Co.
Bridgeport Forge Co.
Farist Steel Co. (Steel Railroad & Machinery)
Pacific Iron Works (Inc.)
HARTFORD—Billings & Spencer Co.
PLANTSVILLE—Atwater Mfg. Co. (Carriage & Specials)
Smith, H. D. & Co. (Carriage)

GEORGIA.

SAVANNAH—Kehoe, Wm. & Sons (Heavy)
Rourke, Jno. & Sons (Heavy)

ILLINOIS.

CHICAGO—Ajax Forge Co., 1104 Blue Island av
AMERICAN SPIRAL PIPE W'KS, W 14th & 48th av. (See adv. index, end of book)
Chicago Drop Forge & Foundry Co., 35th & Ashland av
Chicago Crossing Co., Monadnock bldg, Chicago, Ill.
Continental Bolt & Iron Works (Structural, etc.), 22d & Union
Dunne, Geo. W. & Co., 680 Carroll av
Granger, David J., 31 W Washington
Hall Machine Co., 54 N Desplaines
Kropp, A. & Co. (Railroad, Ship, Bridge, Bldg, etc.), 52 Law av
O'Leary, Arthur J. & Son Co. (Bars, Rods, Bolts, Vises, Railway & Quarry Tools, etc.), 132 W Lake
Sundberg, J. A. Co., Kinzie & Carpenter
Sundberg, Kropp & Co. (General Forgings), 1121 W 21st
Union Drop Forge Co., 69 Indiana
Vulcan Iron Works, 28 N Irving av
Western Steel Car & Foundry Co. (Car & Railroad. Works: Anniston, Ala., & Chicago, Ill.
Willard Sons & Bell Co. (Axles, Railroad, etc.), 98th c Erie av
Wishart-Burge Machine Works (Light & Heavy), 64 N Jefferson
EAST ST. LOUIS—St. Louis Steam Forge & Iron Works (R. R. & Steamboat)
HARVEY—Buda Foundry & Mfg. Co.
MOUNT VERNON—Mount Vernon Car Mfg. Co. (Car)
PEORIA—Armstrong, J. C. Machine & F'dry Co.

INDIANA.

ANDERSON—Anderson Forging Co. (Iron & Steel)
Indiana Harbor Standard Forging Co.
EVANSVILLE—Mesker, Geo. L. & Co. (Structural Iron)
FORT WAYNE—Bass Foundry & Machine Co. (Hammered Iron & Steel, also Car Axles.
INDIANAPOLIS—Inter-State Car Co. etc.)
INDIANA HARBOR—Standard Forgings Co.

IOWA.

DES MOINES—Des Moines Mfg. & Supply Co. (Heavy)

KENTUCKY.

LOUISVILLE—Drummond Mfg. Co. (Vehicles, Axles, etc.), 1228 W Main

LOUISIANA.

NEW ORLEANS—Connell, J. D., Iron Works Co. (Marine, etc.)
Connell, J. D. Iron Works Co. (Marine, etc.)
Schwartz Foundry Co. (Ltd.), 451 Howard av
Swoop, Julian M. (Light & Heavy), 913 Girod

MAINE.

PORTLAND—Portland Co. (Locomotive, Car, Engine, etc.)

MARYLAND.

BALTIMORE—National Supply Co. (Rod), 7 W Lombard
South Baltimore Steel Car & Foundry Co. (Iron & Steel, Railroad, etc.)
CUMBERLAND—Cumberland Steel Co.

MASSACHUSETTS.

BOSTON—Boston Forge Co. (Railroad, Marine & Electric), 340 Maverick, E. B
Knapp, Jas. M. (Steel), 12 Bowker
McLauthlin, Geo. T. Co., 120 Fulton
CAMBRIDGE—Barbour-Stockwell Co. (Light & Heavy)
EVERETT—New England Bolt & Steel Co. (All Kinds)
GLOUCESTER—Cape Ann Anchor Works
LOWELL—Turner, John D.
QUINCY—Fore River Ship Building Co. (Heavy)
SOUTH EGREMONT—Dalzell Axle Co. (Carriage & Special)
SPRINGFIELD—Wason Mfg. Co. (For Ford, H. Steam Electric Railroads)
WORCESTER—Wyman & Gordon (All Kinds)

MICHIGAN.

BAY CITY — **MacKINNON BOILER &** Machine Co. (See adv. index, end of book)
DETROIT—**ANDERSON FORGE & MA**chine Co. (Machine), 271 Guoin. (See adv. index, end of book)
Detroit Forging Co. (Carriage)
Detroit Steel Products Co. (Steel), E Grand blvd & Chene
Great Lakes Engineering Works (Marine, etc.), 308 Atwater E
Hayes Mfg. Co., 458 Maybury
Lauer, Jno. Mach. Co., 108 St. Antoine
Michigan Bolt & Nut Works, ft Meldrum av
Western Malleable Steel Co.
JACKSON—Lewis Spring & Axle Co. (Axles, etc.)
MANISTEE—Manistee Iron Works Co. (Railroad
SAGINAW—Koehler Bros. & Heavy)
SAULT SAINTE MARIE—Hickler Bros.

MISSOURI.

ST. LOUIS—American Car & Foundry Co. (Car, Railroad & Merchant), 915 Olive
Helmbacher Forge & Rolling Mill Co. (All Kinds for Railroad, Steamboat & Machinery)
Reuter-Jones Mfg. Co. (Mill Machinery, etc.)
Roth, B. Tool Co. (Light), 2122 Chouteau av

MONTANA.

BUTTE—Western Iron Works

NEBRASKA.

OMAHA—Paxton & Vierling Iron Works

NEW HAMPSHIRE.

LAKEPORT—Cole Mfg. Co. (Light & Heavy)

NEW JERSEY.

CAMDEN—Camden Forge Co. (Railway Forgings)
CHROME—Chrome Steel Works
HIGH BRIDGE—Taylor Iron & Steel Co. (Car & Locomotive Axles, Shafts, etc.)
HOBOKEN—Consolidated Iron Works
New York Switch & Crossing Co. (Railroad)
Union Iron Works (Light & Heavy)
JERSEY CITY—**GRISCOM-SPENCER CO.,** Grand & Sussex. (See adv. index, end of book)
Smith, Theo. & Sons Co. (Heavy), ft. of
NEWARK—Currier, Cyrus & Sons Essex
Hewes & Phillips Iron Works
Strieby & Foote Co. (Carriage, Bicycle & Auto, etc.), 301 Ogden
PATERSON—Douglass, Edward

NEW YORK.

ALBANY—Townsend Furnace & Machine Shop Co.
AUBURN—Clapp, E. D. Mfg. Co. (Carriage, etc.)
BATAVIA—Baker Gun & Forging Co. (Gun)
Chapin, R. E. Mfg. Works (Galvanized)
BUFFALO—Brennan, Richard, 35 River
Delaney Forge & Iron Co., 300 Perry
General Drop Forge Co., 1738 Elmwood av
Lake Erie Engineering Works (Heavy)
Niagara Forged Steel Co. (Railroad & General)
Sizer Forge Co. (Locomotive, Iron & Steel Drawing Axles & Marine Engine)
Wurts & Son (Railroad & Boiler), 23 Lloyd
CORTLAND—Cortland Forging Co. (Carriage)
HILLBURN—Ramapo Iron Works (Railroad,
NEWBURGH—Turl's, Jno. Sons (Inc.), etc.)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—**BLISS, E. W. CO., 19 Adams, (See adv. index, end of book)**
Columbia Engineering Works (Marine), c Pioneer & Imlay
Columbia Machine Works & Malleable Iron Co. (Light & Heavy), 269 Chestnut
Fulton Foundry & Machine Works (Machinery, etc.), 23 Furman
Gill, Phil. H. & Sons (Forging & Piping), Lorraine & Otsego
Hay-Budden Mfg. Co. (Dies, Weldless Rings, Spinning Chucks), 254 N Henry
McGibbon-Roy Eng. & Iron Working Co., 14 Columbia
MERRILL BROS. (See Maspeth, Borough of Queens, New York.) (See adv. index, end of book)
Williams, J. H. & Co., 150 Hamilton av,

Boroughs of Manhattan & Bronx.

NEW YORK—American Forge & Iron Co., 140 W 42d
American Car & Foundry Co. (Car, Railroad & Merchant), 165 Broadway
AMERICAN SPIRAL PIPE W'KS, 50 Church. (See adv. index, end of book)
Baldwin Steel Co. (Steel Only), 133 Reade
Bethlehem Steel Co. (Heavy of all Kinds), 111 B'way. Works: S Bethlehem, Pa.
Cambria Steel Co. (of Johnstown, Pa.) Railroad, 71 B'way
Carbon Steel Co. (of Pittsburg, Pa.) (Axles, Crank Pins, Piston Rods, etc.), 30 Church
Carnegie Steel Co. (of Pittsburg, Pa.) (Steel only), 30 Church
Crucible Steel Co. of America (Steel Only of all Kinds), 2 Rector
DOBBIE FOUNDRY & MACHINE Co. (Heavy Plate & Structural Work), 82 Warren. Works: Niagara Falls, N. Y. (See adv. index, end of book)
G. & W. MFG. CO. (Machine, Marine, etc.), 26 Cortlandt. (See adv. index, end of book)
Gould Coupler Co. (Car Couplers, etc.), 345 5th av
Greenlie, Wyatt & Co. (Heavy & Light), 499 Water
GRISCOM-SPENCER CO., 90 West. (See adv. index, end of book)
McDougall & Potter Co. (Inc.), 606 W 55th
Midvale Steel Co. (of Phila., Pa.) (Locomotive, Car, Gun, etc.), of Steel Only), 225 5th av
NEWHALL CHAIN, FORGE & IRON Co., 90 West
Phila. Forge Co., 50 Church
Phoenix Iron Works Co., 135 Broadway,
Treadwell, M. H. Co., 90 West
Turl's, Jno. Sons (Inc.), 26 Cortlandt. Works: Newburgh, N. Y.
Watson, Thos., 551 W 58th
WHEELER, CHARLES CHILD, 118 B'way. (See adv. index, end of book)

Borough of Queens.

MASPETH—MERRILL BROS. (See adv. index, end of book)

(End of New York City)

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NIAGARA FALLS—DOBBIE FOUNDRY & Machine Co. (Heavy Plate & Structural Work). (See adv. index, end of book)
Ramapo Iron Works (Railroad, etc.)
OGDENSBURG—Nash Bros. & Co. (Steam Forging)
SYRACUSE—Halcomb Steel Co.
UNION—Union Forging Co.
UTICA—Mott Wheel Works (Carriage & Bike Wagon)

OHIO.

ALLIANCE—Transue & Williams Co. (General)
CINCINNATI—Block-Pollak Iron Co. (Railroad, etc.), Carthage
Queen City Forging Co. (for Carriage Builders, etc.), Dumont & Tennyson
Talbott, C. R. Co., Wiggins blk
Winkelman, Louis, & Co., 445 E Pearl
CLEVELAND—American Ship Building Co. (Heavy, Marine, etc.)
Champion Machine & Forging Co. (Upsetting Special Machine & Hammer Forgings)
Cleveland City Forge & Iron Co. (Heavy, etc.), Lakeside av, opp E 45th, N E
Cleveland Hardware Co. (Steel Forgings for Vehicles)
Cleveland Mach. & Mfg. Co., 4944 Hamilton av
CLEVELAND PUNCH & SHEAR Works Co. (See adv. index, end of book)
Crucible Steel Forge Co. (Dies & Die Tempering, Shaft Cranks, etc.), 5814 Carnegie av, S E
Dyson, Jos. & Sons (for Machine Tools, including Spindles, Shafts, Gear Blanks, Thrust Collars, etc.)
Globe Machine & Stamping Co., 3900 Hamilton av, N E
Horsburgh Forging Co., 5114 Hamilton
Interstate Engineering Co. (Heavy Structural)
Lake Erie Forge Co.
Ohio Forge Co. (Automobile, Machine, etc.)
Ohio Machine & Boiler Co., 1201 W 11th, N W
Otis Steel Co. (Steel Only, Locomotive, Car, etc.)
Park Drop Forge Co. (Open Hearth, Crucible & Alloy Steel)
COLUMBUS—Columbus Bolt Works (Carriage, etc.)
Columbus Forge & Iron Co. (Heavy & Light Forgings in Multiples)
Hayden-Corbett Chain Co. (Light & Heavy)
DAYTON—American Fence & Forge Co.
Plocher, Andrew
FREMONT—Herbrand Co. (Carriage, etc.)
NORWALK—Norwalk Iron & Steel Co.
SANDUSKY—Klotz Machine Co. (Heavy)
TOLEDO—HEARTLEY MACHINE, Variety Iron & Tool Works (Punch & Die). (See adv. index, end of book)
Toledo Foundry & Machine Co., 202 Cherry
Toledo Machine & Tool Co.
YOUNGSTOWN—Youngstown Forge Co.

PENNSYLVANIA.

ALIQUIPPA—Vulcan Crucible Steel Co.
BRADDOCK—Pittsburg Steel Shafting Co. (Forged Steel Power Transmission Goods)
BRAEBURN—Braeburn Steel Co. (Steel Only)
BURNHAM—Standard Steel Works (Steel Locomotive)
BUTLER—Kesselman & Co. (Heavy)
CATASAUQUA—Lehigh Car Wheel & Axle Works (Railroad, etc.)
CATAWISSA—Catawissa Car & Casting Co., (Car, etc.)
CHESTER—Chester Forging & Engineering Co. (Steel)
CONNELLSVILLE—Connellsville Machine & Car Co. (Light & Heavy)
CORRY—McINNES STEEL CO. (Ltd.) (Machinery & Tool Steel Shapes Forged to Order). (See adv. index, end of book)
EDDYSTONE—Tindel-Morris Co. (Steel only, Crankshaft & Finished Forging)
ELLWOOD CITY—Steel Car Forge Co. (Car & Locomotive)
Tindel-Morris Co. (Steel Only, Crankshafts & Finished Forgings)
ERIE—Erie Car Works (Car, etc.)
Erie Forge Co. (Ltd.) (Engine, Crankshafts, Connecting Rods, etc.)
ETNA—Etna Forge & Bolt Co.
HARRISBURG—Harrisburg Foundry & Machine Works
JOHNSTOWN—Cambria Steel Co. (Railroad)
Lorain Steel Co. (Steel)
LANCASTER—Penn Iron Co. (Car, etc.)
LEBANON—American Iron & Steel Mfg. Co. Treadwell, M. H. Co. (Car, etc.)
McKEESPORT — Firth-Sterling Steel Co. (Crucible Open Hearth)
MECHANICSBURG—Wilcox, D. Mfg. Co. (Carriages & Special of all Kinds)
MILTON—Milton Mfg. Co. (Shafting, Crankshafts, etc.)
MONONGAHELA—Liggett Spring & Axle Co. (Buggy & Wagon Axles, etc.)
NEW CASTLE—New Castle Forge & Bolt Co. (Car Mine, Agricultural, etc.)
PHILADELPHIA—Cambria Steel Co. (Steel Car & General Heavy), Arcade bldg
Cramp, Wm. & Sons Ship & Engine Bldg. Co. (Marine, etc.)
Cresson, Geo. V. Co., Allegheny av W of 17th
GRISCOM-SPENCER CO., ft. Washington av. (See adv. index, end of book)
Hoopes & Townsend Co. (Car, etc.), 1330 Buttonwood
Illingworth, John, Steel Co., Frankford
Iroquois Iron Works (Steam Engine, Crank Shafts, Rods, etc.), Land Title bldg
Midvale Steel Co. (Marine, Locomotive, Car, Gun, etc., of Steel Only), Nicetown
Morris Engineering Co. (Iron & Steel), 37th & Reed
National Bolt Works (Structural, etc.), 1630 N 9th
Penna. Steel Co. (Heavy Steel), Girard bldg
Philadelphia Forge Co. (Steel, all Kinds), Phoenix Iron Co., 410 Walnut Tacony
Standard Steel Works (Steel Locomotive), Harrison bldg
Stortz, Jno. & Son (Small), 210 Vine
Tioga Steel & Iron Co., 52d & Gray's av (of all descriptions)
PHOENIXVILLE—Phoenix Iron Co. (Heavy)
PITTSBURG—Albree, Chester B. Iron Works, North Side
Allegheny Forging Co., Frick bldg.
Carbon Steel Co. (Axles, Crank Pins, Piston Rods, etc.), 32d & Smallman
Carnegie Steel Co. (Steel Only), Carnegie bldg
Carter Iron Co. (Hooks & Forgings for Chains, etc.)
Colonial Steel Co. (Rough or Rough Turned Crucible & Open Hearth Steel)
Columbia Steel & Shafting Co. (Shafts & Power Transmitting Appliances)
Crucible Steel Co. of America (Steel Only of all Kinds), Frick bldg
Damascus Tool Steel Co. (Dies & Shape Work)
Fort Pitt Forge Co. (Rods, Bolts, Rivets, etc.)
Heppenstall Forge & Knife Co. (Automobile, Gas Engine & Miscellaneous)
Jones & Laughlin Steel Co., 3d av & Try
Lanz, M. & Sons, 2907 Carson
McKay, Jas. & Co. (Light Forgings; also Railroad Forgings), Keenan bldg. Works, McKees Rocks, Pa.
OIL WELL SUPPLY CO., 215 Water. (See adv. index, end of book)
Penna. Steel Co. (Medium & Heavy Steel), Girard bldg
Pittsburg Forge & Iron Co. (Car, Locomotive & Marine)
Pittsburg Mfg. Co., 28th & Railroad
PITTSBURGH RIVET CO. (Rivets, Bolts, etc.), 38th & Junction R. R. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., 25th & Liberty
Pittsburg Steel Mfg. Co. (Wrought)
Scaife, W. B. & Sons Co. (Structural)
Standard Chain Co. (Light for Railroads, etc.)
Steel Car Forge Co. (For Cars of all Kinds)
RANKIN—(See Pittsburg)
READING—American Iron & Steel Mfg. Co. (Car, etc.)
Carpenter Steel Co. (Steel & Gun)
Reading Iron Co. (Heavy Marine Engines, etc)
SHAMOKIN—Mullen, Jno. & Son (Mine, etc.)
SOUTH BETHLEHEM—Bethlehem Steel Co. (Heavy of all Kinds)
STEELTON—Penna. Steel Co. (Heavy Steel)
TARENTUM—Baker, Jas. H. Mfg. Co. (Car, Wagon, etc.)
TITUSVILLE—Titusville Forge Co. (Light & Heavy, Shapes of Every Description & Roll Forgings, etc.)
WAYNESBORO—Frick Co.
WILKES-BARRE—American Forge & Iron Co.
Sheldon Axle Co. (Axles)
Vulcan Iron Works

RHODE ISLAND.

PROVIDENCE—Rhode Island Tool Co. (For the Trade)

SOUTH CAROLINA.

CHARLESTON—Charleston Iron Works (Mach. & Marine)
Riverside Iron Works (Marine, etc.)

TENNESSEE.

CHATTANOOGA—Chattanooga Car & Foundry Co.
KNOXVILLE—Knoxville Foundry & Machine Co. (Heavy)

TEXAS.

DALLAS—Mosher Mfg. Co. (Heavy)

VIRGINIA.

NORFOLK—Godwin, Thos. W. & Co. (Marine, etc.)
RICHMOND—Cameron Stove Co.
Old Dominion Iron & Nail Works Co. (Buildings & Small Specials)
Richmond Forging Corporation
Tredegar Co. (Car & Machiney)

WASHINGTON.

SEATTLE—Jones, C. C. & Co. (R. R. & Marine)
Moran Co. (Marine, etc.)

WISCONSIN.

MILWAUKEE—Wisconsin Bridge & Iron Co., Pabst bldg

Forgings (Liquid Compound)

Bethlehem Steel Co., Bethlehem, Pa.

Forgings (Manganese Bronze)

American Manganese Bronze Co., 99 John, New York
Cramp, Wm. & Sons Ship & Engine Bldg. Co., Philadelphia, Pa.
Detroit Steel Products Co., E Grand boul, & Chene, Detroit, Mich.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Wyman & Gordon Worchester, Mass.

Forgings (Nickel Steel)

American & British Mfg. Co., Bridgeport, Conn.
Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., South Bethlehem, Pa., & 111 B'way, New York
Billings & Spencer Co., Hartford, Conn.
Cambria Forge Co., Johnstown, Pa.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carbon Steel Co., Pittsburg, Pa.
Carnegie Steel Co., Carnegie bldg., Pittsburg, Pa.
Columbus Forge & Iron Co., Columbus, O.
Crescent Forgings Co., Oakmont, Pa.
Crucible Steel Co. of America, Frick bldg., Pittsburg, Pa.
Detroit Steel Products Co., E Grand boul & Chene, Detroit, Mich.
Funk Engineering Co. (German Nickel Chrome Steel), 89 14th, Hoboken, N. J.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Keystone Drop Forge Works, Chester, Pa.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Moore Drop Forge Co., Springfield, Mass.
Nickel Steel & Forge Co., Westinghouse bldg, Pittsburg, Pa. Works, Carnegie, Pa.
PAGE, STORMS DROP FORGE CO., Springfield, Mass. (See adv. index, end of book)
Prosser, Thos. & Son, 15 Gold, New York
Richmond Forgings Corporation, Belle Isle, Richmond, Va.
Seward, The M. & Sons Co., New Haven, Conn.
Sizer Forge Co., Buffalo, N. Y.
Tindel-Morris Co., Eddystone, Pa., & Ellwood City, Pa.
Tioga Steel & Iron Co., 52d and Gray's av
Union Drop Forge Co., 64 Ohio, Chicago, Ill.
Warren Axle & Tool Co., Warren, Pa.
Western Malleable Steel Co., Detroit, Mich.
Yuba Construction Co., Marysville, Cal.

Forgings (Seamless Steel)

BLISS, E. W. CO. (Bowls, Bottles & Special Shapes), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Carpenter Steel Co., Reading, Pa.
Jones, E. J. Co., Arlington Heights, Mass.

Forgings (Telegraph & Telephone Pole)

McKay, Jas. & Co., Germania B'k bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.

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Forks (Ballast)

American Fork & Hoe Co., Cleveland, O.
American Shovel & Stamping Co., Lorain, O.
Beall Bros. (Inc.), Alton, Ill.
Hubbard & Co., Pittsburg, Pa.
Iowa Farming Tool Co., Fort Madison, Ia.
Union Fork & Hoe Co., Columbus, O.

Forks (Brake)

Dayton Malleable Iron Co. (The Kelly), Dayton, Ohio

Forks (Coke)

American Fork & Hoe Co., Cleveland, O.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Beall Bros. (Inc.), Alton, Ill.
Brown, Hinman & Huntington Co., Memphis, Tenn.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Union Fork & Hoe Co., Columbus, O.

Forks (Hand)

American Fork & Hoe Co. (Coal, Coke, Beet, Barley, Corn, Potato, Straw, Stone, Stable, Tanner, Manure, Header, Hay, Sluice, Spading, Vegetable, Scoop, etc.), Cleveland, Ohio
Brown, Hinman & Huntington Co. (Hand, Hay, Spading, Manure, etc.), Memphis, Tenn.
Harriman Hoe & Tool Co. (Hay, Manure, Spading, "Razor Edge"), Harriman, Tenn.
Iowa Farming Tool Co., Ft. Madison, Iowa
Peck, Clark & Co., Brookfield, Vt.
Union Fork & Hoe Co. (Grain, Hay, Manure, Coke, Coal, Stone, Sluice, Ensilage, Spading, Header, Barley, Beet, Potato Digging, Tanners, etc.)
WHITMAN & BARNES MFG. CO. (Hay), West Pullman, Chicago, Ill. (See adv. index, end of book)

Forks (Hay, Derrick)

Benicia Iron Works, Benicia, Cal.
Hunt, Gilbert Co., Walla Walla, Wash.
Jackson, Byron Machine Works, San Francisco, Cal.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers, F. E. & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Porter, J. E. Co., Ottawa, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.
WHITMAN & BARNES MFG. CO. ("W. & B."), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Forks (Hay, Grapple & Harpoon)

(Read Explanation Following Names)

Eagle Mfg. Co. ("Eagle," Grapple & Harpoon), Appleton, Wis.
Farrell, Jno ("Farrell" Grapple), Newton, N. J.
Goshen Mfg. Co. (Harpoon), Goshen, Ind.
Hunt, Helm, Ferris & Co. (Grapple & Harpoon), Harvard, Ill.
Louden Machinery Co. (Grapple & Harpoon) Fairfield, Iowa.
Milwaukee Hay Tool Co. (Grapple & Harpoon), Layton Park, Milwaukee, Wis.
Myers, F. E. & Bro. (Grapple & Harpoon), Ashland, O
Ney Mfg. Co. (Grapple & Harpoon), Canton, O.
Ney, V. L. Co. (Harpoon), Canton, O.
Porter, J. E. Co. ("Porter's Acme" Grapple & Harpoon), Ottawa, Ill.
Reed Mfg. Co., Kalamazoo, Mich.
Ricker Mfg. Co. ("Ricker" Grapple & Harpoon), Rochester, N. Y.
Strickler Hay Tool Co. ("Strickler" Grapple & Harpoon), Janesville, Wis.
Swineford, G. A. Co. ("Nellis" "Walker"), Canton, O.
Syracuse Chilled Plow Co. ("Syracuse" Grapple & Harpoon), Syracuse, N. Y.
U. S. Wind Engine & Pump Co. ("Noyes" Grapple & Harpoon), Batavia, Ill.
WHITMAN & BARNES MFG. CO. ("W. & B." Grapple & Harpoon), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Forks (Hay, Lock Lever)

Hunt, Helm, Ferris & Co., Harvard, Ill.
Myers, F. E. & Bro. Ashland, O.
Porter, J. E. Co., Ottawa, Ill.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Forks (Rail)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Steel), 32d & Small, Pittsburg, Pa.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co., ("Cheswick"), Works, Cheswick, Pa.
Union Drop Forge Co., Chicago, Ill.
Verona Tool Works (Steel), Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Forks (Rising)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke, C. H. Tool Co., Downers Grove, Ill.
Klein, Mathias & Sons, 87 W Van Buren, Chicago, Ill.
Nagel, W. G. Electric Co., Toledo, O.
Oshkosh Logging Tool Co., Oshkosh, Wis.

Forks (Tedder)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
Gibson, W. D. Co., Chicago, Ill.
Harrow Spring Co., Kalamazoo, Mich.
Mason, F. C. & Co., St. Johns, Mich.
Morgan Spring Co., Worcester, Mass., & Struthers, O.

Forks (Trolley)

Bayonet Trolley Harp Co., Springfield, O.
Central Union Brass Co., St. Louis, Mo.
Electric Railway Equipment Co., Cincinnati, O.
Erie Malleable Iron Co., Erie, Pa.
Garton, W. R. Co. ("Feist"), 108 W Jackson boul, Chicago, Ill.
LUMEN BEARING CO. ("Ideal"), Buffalo, N. Y. (See adv. index, end of book)
Meckel, Fred. L., 83 E 13th, Chicago, Ill.
New Departure Bell Mfg. Co. ("Liberty"), Bristol, Conn.
NUTTALL, R. D. CO. ("Union"), Pittsburg, Pa. (See adv. index, end of book)
Recording Fare Register Co. ("Multi-Ampere"), New Haven, Conn.
Star Brass Works ("Kalamazoo"), Kalamazoo, Mich.

Forks (Vegetable)

Browne & Dowd Mfg. Co., Meriden, Conn.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.

Formaldehyde

Pioneer Iron Co., Negaunee, Mich.

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Exeter Machine Works, Pittston, Pa.
Smith & Wallace, Woburn, Mass.

Fossil Meal

Hammill & Gillespie, 240 Front, New York
Salomon, L. A. Bro., 216 Pearl, New York

Founders (Brass)

(See Machinists & Founders marked with a §)

Founders (Iron)

(See Machinists & Founders marked with a †)

Founders (Malleable Iron)

(See Machinists & Founders marked with a †)

*Foundry Clay

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
MAURER, HENRY & SON, 420 E 23d, New York, & Penna bldg, Phila., Pa. W'ks: Maurer, N. J. (See adv. Front Inside Cover)

RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)

Foundry Facings & Supplies

Blackstone Coal Mining Co. (Facings), Valley Falls, R. I.
Brown, L. S. Charcoal Co., Springfield, Mass.
Brass Foundry Supply Co., Newark, N. J.
Buffalo Foundry Supply Co. ("Columbia" Facings, etc.), 330 Babcock, Buffalo, N. Y.
Central Foundry Supply Co., Columbus, O.
Cohutta Talc Co. (Cream Soapstone Facings), Dalton, Ga.
Combined Foundry Supply Co., Buffalo N.Y.
Detroit Fdry. Supply Co., Detroit, Mich.
DIXON, JOS. CRUCIBLE CO. (Facings, etc.), Jersey City, N. J. (See adv. index, end of book)

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Elliott, Benj. G. (Facings), 33 Tehama, San Francisco, Cal.
Etting, Edw. J. (Mfrs.' Agt.), Phila., Pa.
Federal Foundry Supply Co. ("Bright's" Steel Facings, etc.), Cleveland, O.
Gartside, W. N., Richmond, Ind.
Gautier, J. H. & Co. (Graphite), Jersey City
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoffman, F. G. (Facings & Graphite), Beta, N.C.
Hoffman, T. T. (Facings), Bloomsburg, N. J.
Ilsley, Doubleday & Co. (Facings, etc.), 229 Front, N. Y.
Jackson, E. S. & Co. (Facings & Supplies), 224 E 2d, Cincinnati, O.
Jones, Enos F. Chemical Co. (Facings, etc.), 352 Wash'n, New York
Kelly, Thos. P. & Co. (Plumbago, Ceylon, Black Lead Prepared, Charcoal, etc.), 544 W 22d, New York
McCormack, J. S. Co. (Facings, etc.), 25th & A. V. Ry, Pittsburg, Pa.
Meighan, John A. (Facings, etc.), 1642 2d av, Pittsburg, Pa.
Metal Mfg. Co. (Facings & Supplies), Land Title bldg, Phila., Pa.
Moore's Facing Works (Facings, etc.), Providence, R. I.
National Jeloluse Co., 547 W 43d, New York
National Supply Co., 2028 Girard av, Phila., Pa.
N. Y. Sand Facing Co. (Facings, Sand, etc.), 610 Kent av, Brooklyn, N. Y.
Obermayer, S. Co. (Facing, etc.), 647 Evans, Cincinnati, O.
OSBORN MFG. CO. (Brushes & Supplies), 5401 Hamilton av, N. E., Cleveland, O. (See adv. on preceding page)
Pacific Tool & Supply Co. (Supplies), Mission & 1st, San Francisco, Cal.
Paxson, J. W. & Co. (Facings & Supplies), 1021 N Delaware av, Phila., Pa.
Pettinos Bros., Bethlehem, Pa.
Rumsey, L. M. Mfg. Co., 806 N Main, St. Louis, Mo.
SMITH, J. D. FOUNDRY SUPPLY CO. (Factory Supplies), 1846 Scranton rd, N W, Cleveland, O. (See adv. on preceding page)
SPRINGFIELD FACING CO. (Facings & General Supplies), Springfield, Mass. (See adv. top of following page)
Standard Graphite Co., 11 B'way, New York
Standard Sand & Machine Co., Cleveland, O.
Stevens, F. B. (Facings, Brick, Sand, etc.), 3d av & Larned, Detroit, Mich.
Steward, D. M. Mfg. Co. (Facings Only), Chattanooga, Tenn.
Taylor, A. L. Co., San Francisco, Cal.
United States Graphite Co. (Facings), Saginaw, Mich.
Wainwright, Jno. C. A. (Facings Only), Spring City, Pa.
Western Foundry Supply Co., 30 Church, New York
Whitehead Bros. & Co. (Facings, etc.), 537 W 27th, New York

Foundry Plant Equipments

Byram & Co. (Inc.), 435 Guoin, Detroit, Mich.
Calumet Engineering Works, Harvey, Ill.
Etting, Edward J. (Mfrs. Agent), Phila., Pa.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Hay's, Samuel W., Sons, Pittsburg, Pa.
Heyl & Patterson, Pittsburg, Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
New England Engineering & Equipment Co. (Jobbers), Weld bldg, Boston, Mass.
NORTHERN ENGINEERING WORKS, Detroit, Mich. (See adv. index & branch offices, end of book)
Obermayer, S. Co., 647 Evans, Cincinnati, O
OSBORN MFG. CO., 5401 Hamilton av, N E, Cleveland, O. (See adv. on preceding page)
Paxson, J. W., Co., 1021 Delaware av, Phila.
Sly, W. W. Mfg. Co., Cleveland, O. Pa.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. on preceding page)
Standard Sand & Machine Co., 5157 St. Clair, Cleveland, O
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Foundry Sprinklers (Steel)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.

Fountain Pen Mfrs.

Adams, Cushing & Foster, Boston, Mass.
Aikin-Lambert Co. (Gold), 19 Maiden la, New York
Autofiller Pen Co., Toledo, O.
Beaumel, D. W., 45 John, New York City
Betzler & Wilson, Akron, O.
Blair's Fountain Pen Co., 6 John, N. Y. City
Caw's Pen & Ink Co. (Fountain, Gold, Stylographic, Mfrs. of Caw's "Safety" Fountain Pen), 46 Vesey, New York City
Century Pen Co., Whitewater, Wis.
Colonial Fountain Pen Co., 882 Park av, Baltimore, Md.
Conklin Pen Co., 514 Jeff. av., Toledo, O.
Cross, A. F. (Gold), 58 Warren, Providence, R. I.
Diamond Point Pen Co. (Fountain, Gold, Stylographic, Gold Plated), 86 Fulton), N. Y. City
Eagle Pencil Co. (Fountain, Gold, Steel, Stylographic), 377 Broadway, N. Y. City
Eckel & Co. (Made in England), 39 Cortlandt, New York City
Faber, Eberhard (Gold, Fountain), 299 B'way, New York City
Faber, Dr., Self-Filling Pen Co., Toledo, O.
Franklin Fountain Pen Co., 51 N 10th, Phila., Pa.
Foley, Jno, Pen Co. (Fountain, Stylographic), 6 Astor House, N. Y. City
Frazer & Geyer Co., 22 Thames, N. Y. City
Greisshaber, G. (Gold), 86 State, Chicago, Ill.
Heath, Geo. W. & Co., 380 Canal, N. Y. City
Hillinger, R. J. & Co., 131 Wabash av., Chicago, Ill.
Holland, Jno. Gold Pen Co. (Gold), Cincinnati, O.
Irving Mfg. Co., 597 Clinton av., Newark, N. J.
Johnson, E. S. & Co. (Gold), 1 Maiden la, New York City
Laughlin Mfg. Co., Detroit, Mich.
Mabie, Todd & Bard (Gold), 149 Dearborn, Chicago, Ill.
Modern Pen Co., 22 Thames, N. Y. City
Park Specialty Co. (Stylographic), Cincinnati, O.
Parker Pen Co., Janesville, Wis.
Philadelphia Novelty Mfg. Co., 13th c Noble, Phila, Pa.
Sanford & Bennett, 51 Maiden la., N. Y. City
Shipman, Asa L. (Stylographic), 14 Warren, New York City
Sterling Fountain Pen Co., 19 Milk, Boston, Mass.
Ullrich, J. & Co. (Fountain, Stylographic), 27 Thames, New York City
Utter, Wm. F. (Gold, Gold Fountain), 16 John, New York City
Waterman, A. A. & Co., 22 Thames, N. Y. City
Waterman, L. E. & Co., 173 Broadway, New York City
Weidlich, O. E. & Co. (Stylographic), Nevada bldg., Cincinnati, O.
Welty, Wm. A., Co. ("Welty" Self-Filling & "No Leak), Waterloo, Ia.
Williamson Pen Co., Janesville, Wis.
Wirt, Paul E., Bloomsburg, Pa.

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(See Fountains, Vases, Etc.)

Fountains (Drinking, Sanitary)

Aird-Don Co. (Porcelain), Troy, N. Y.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Camden Pottery Co. (Vitreous China), Camden, N. J.
Crane Co. (Est. 1855) (Porcelain, Porcelain Enameled, Vitreous China, etc.), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Day-Ward Co. (Porcelain Enameled), Warren, O.
Douglas, John, Co. (Vitreous China), Cincinnati, O.
Du Bois, F. N. & Co. (Porcelain), 243 9th av, New York
Federal-Huber Co. (Porcelain), Halsted & Federal, Chicago, Ill., & 244 5th av, New York
Haines, Jones & Cadbury Co. (Porcelain & Porcelain Enameled), 1128 Ridge av., Phila., Pa.
McDonald, A. Y. & Morrison Mfg. Co. (Porcelain Vitreous China, etc.), Dubuque, Ia.
Maddock's, Thos. Sons Co. (Vitreous China), Trenton, N. J.
Meyer-Sniffen Co. (Porcelain), 11 W 36th, New York
Monument Pottery Co. (Porcelain), Trenton, N. J.
Mott, J. L., Iron Works (Porcelain, Porcelain Enameled, Vitreous China, etc.), 118 5th av, New York
Resolute Pottery Co. (Porcelain), Trenton, N. J.
Sanitary Earthenware Specialty Co. (Vitreous China), Trenton, N. J.
Sanitas Mfg. Co. (Porcelain, Porcelain Enameled, etc.), 48 Union, Boston, Mass
Standard Sanitary Mfg. Co. (Porcelain Enameled), Pittsburg, Pa
Trenton Potteries Co. (Porcelain & Vitreous China Pedestal), Trenton, N. J
Walker Mfg. & Supply Co. (Porcelain), Detroit, Mich
Wolff, L., Mfg. Co. (Porcelain, Porcelain Enamoled, etc.), 117 W Lake, Chicago, Ill.

Fountains (Electric)

Electric Fountain Co. of America ("Darlington"), Real Estate Trust bldg, Phila., Pa.
New York Electric Fountain Co. (Portable, Luminous), 114 W 39th, New York

Fountains (Soda Water)

Acorn Brass Mfg. Co., 203 Fulton, Chicago, Ill.
American Soda Fountain Co., Boston, Mass.
Becker, L. A. Co. ("20th Century"), 913 Halsted, Chicago, Ill
Bishop & Babcock Co., 49th & Hamilton av Cleveland, O.
Cox Brass Mfg. Co., Albany, N. Y.
Green, Robt M. & Sons, Phila., Pa.
Herron Soda Fountain Co., 2525 State, Chicago, Ill
Lippincott, A. H. & F. H., Phila., Pa.
Liquid Carbonic Co., Michigan & Wells, Chicago, Ill
MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
Puffer Mfg. Co., Boston, Mass.
Symonds & Poor Carbonator Co. ("Paragon"), Boston, Mass.
Walrus Mfg. Co., Decatur, Ill.

*Fountains (Soda Water, Opal Onyx)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

Fountains, Vases, Etc.

Badger Wire & Pottery Co., Milwaukee, Wis.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bethlehem Foundry & Machine Co. (Drinking Fountains, Iron Settees, etc.), Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Cahill Iron Works, Chattanooga, Tenn.
Carr, Jas. W. (Iron Benches & Vases), Richmond, Va.
Casey-Hedges Co., Chattanooga, Tenn.
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Cheney, S. & Son (Vases Only), Manlius, N. Y.
CINCINNATI MFG. CO. (Vases, etc.), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Creswell, S. J. Iron Works Co., 23d & Cherry, Phila., Pa.
DARBY, EDW. & SONS, 233 Arch, Phila., Pa. (See adv. index, end of book)
Eagle Iron Works (Inc.), 850 De Kalb av, Brooklyn, N. Y.
Fiske, J. W. Iron Works, 56 Park pl, New York
Globe Wire & Iron Works, Atkinson av, Milwaukee, Wis.
Hennecke, C., Co. (Iron & Terra Cotta Vases), 280 B'way, Milwaukee, Wis.
Hinderer, C. A. F., 1112 Camp, New Orleans, La.
Hitzeroth, Edward, 3124 Market, Phila., Pa.
Humphrey Machine Co., Keene, N. H.
Illinois Iron & Bolt Co. (Vases, Hitching Posts, etc.), Carpenterville, Ill.
Illinois Malleable Iron Co. (Drinking Fountains), 515 Diversey boul, Chicago, Ill.
Jones, M. D. & Co., 73 Portland, Boston, Mass.
Kohler, J. M. Sons Co. (Street Fountains), Sheboygan, Wis.
Le Baron Foundry Co., Middleboro, Mass.
McCrum-Howell Co. (Enameled Drinking Fountains), 103 Park av, New York
McDonald Bros. (Vases, Settees, etc.), Columbus, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Middleby Oven Mfg. Co., 172 W Adams, Chicago, Ill.
Mott, J. L., Iron Works, 118 5th av, New York
Novelty Iron Works (Automatic Fountains for Stock), Sterling, Ill.
Northwestern Foundry, Minneapolis, Minn.
Nute, T. C. Foundry Co., Akron, O.
Ornamental Iron & Wire Co., Portsmouth, Va.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smyser, Roger Co., York Pa., & Baltimore, Md
Southard-Robertson Co. (Cast Iron Lawn Vases), 257 Water, New York
Stewart Iron Works Co., Covington, Ky.
Stewart & Stevens Iron Works, 8th & Montgomery av, Phila., Pa.
Swett, A. L., Iron Works (Vases, Fountains, etc.), Mellus, N. Y.
TAYLOR & DEAN, Penn av. & 25th, Pittsburg, Pa. (See adv. index, end of book)
VAN DORN IRON WORKS CO. (Iron Vases), 2035 N 79th, Cleveland, O. See adv index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Walbridge & Co., 292 Main, Buffalo, N. Y.
Washington Iron Works, 419 Pratt, Buffalo, N. Y.
Westervelt, A. B. & W. T., 102 Chambers, New York
WISCONSIN IRON & WIRE WORKS, 100 E Water, Milwaukee, Wis. (See adv. index, end of book)

Frames (Automobile Pressed Steel)

American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Globe Machine & Stamping Co., 3448 Hamilton av, Cleveland, O.
MULLINS, W. H. CO., Salem, O. (See adv. index, end of book)
Parish Mfg. Co., Reading, Pa.
Parish & Bingham Co., Cleveland, O.
Smith, A. O. Co., Milwaukee, Wis.
Standard Pressed Steel Co., N 20th & Clearfield Philadelphia, Pa
WORCESTER PRESSED STEEL CO. Worcester, Mass. (See adv. index, end of book)

Frames (Card Drawer)

Yale & Towne Mfg. Co., 9 Murray, New York
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Frames (Soapmakers')

Dopp, W. H., Co., Buffalo, N. Y.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.
Houchin-Aiken Co., 37 53d, Brooklyn, N. Y.
Nunning, Frank, & Son, 215 W 2d, Cincinnati, O.

Frames (Suit Case)

Independent Steel & Wire Co., Pittsburg, Pa.

*Frames (Wood Saw)

FAIRBANKS, MORSE & CO. (With Arbors), Franklin & Monroe, Chicago, Ill. (See adv. index & branch offices, end of book)

*Frames & Cylinders (Soldering Tin Can)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Freezers (Ice Cream, Etc.)

Abbott Mfg. Co., Omaha, Neb.
Alaska Freezer Co. ("Alaska," "North Star"), Winchendon, Mass.
Canton Continuous Freezer & Mfg. Co., Canton, O.
Commercial Can & Mfg. Co. ("Ideal"), 107 N Lincoln, Chicago, Ill.
Confectioners' & Bakers Supply Co., 218 E Washington, Chicago, Ill.
Consolidated Mfg. Co. (Glass), Hartford, Conn.
Creamery Package Mfg. Co. (Disc, Continuous), Chicago, Ill.
Dana Mfg. Co. (Peerless "Iceland," "Dana"), Cincinnati, O.
Hilbert Machine Co. (Power), Cincinnati, O.
Jaegery Mfg. Co. (Power & Hand), 108 E Pearl, Cincinnati, O.
Lang, Henry G., 22 N May, Chicago, Ill.
Maag-Wahman Co., Baltimore, Md.
Miller Pasteurizing Machine Co. ("Miller"), Canton, O.
Miller-Tyson Co. ("Tyson" Brine), Canton, O.
Mills, Thomas & Bro. ("Monitor"), 3108 N 4th, Phila., Pa.
New England Enameling Co. ("Ideal" Automatic), Middletown, Conn.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
North Bros. Mfg. Co. ("Lightning Gem," "Blizzard"), Lehigh av & American, Phila., Pa.
Packer, Chas. W. (Est. of) ("Standard"), Philadelphia, Pa.
Reid-Edelmuth Mfg. Co. ("Champion"), 1719 9th, Brooklyn, N. Y.
Richmond Cedar Works ("Snow-Ball," "Steel Frame"), Richmond, Va.
Smith, H. D., & Co. ("Double-Delight"), Plantsville, Conn.
Snow Flake Mfg. Co. ("Snow Flake"), 225 5th av, New York
Sturges & Burn Mfg. Co., 251 S Green, Chicago, Ill.
Thomas-Peter Co. ("Little Dandy," one and two quarts), Canton, Ohio
Walker Ice Cream Co. ("Walker's 1-X-L"), Warren, Pa.
Walker & Pratt Mfg. Co., 33 Union, Boston, Mass.
Watkins, Jas. Y. & Son (Inc.), 16 Catherine, New York
White Mountain Freezer Co., Nashua, N. H.
Whitney, F. E., 65 Sudbury, Boston, Mass.

French Ranges, Etc.

(See Cooking Apparatus)

Frictions (Paper)

Dodge Mfg. Co., Mishawaka, Ind.
Rockwood Mfg Co., Indianapolis, Ind
WEBER MFG. CO., 124 E. North av., Chicago, Ill. (See adv. index, end of book)

Frogs (Cast Iron)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Irwin Foundry & Mine Car Co. (& Turnouts for Mine Tracks), Irwin, Pa.

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Frogs (Overhead Trolley)

Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Frogs (Replacing)

(See Car Replacers)

Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
Morris, Herbert, Betz bdg, Phila., Pa.
Tilden, B. E. Co., Manhattan bldg, Chicago, Ill.

Frogs (Spring Rail)

Cleveland Frog & Crossing Co. ("The Lucas"), Cleveland, O.
Elliott Frog & Switch Co., East St. Louis, Ill.
INDIANAPOLIS SWITCH & FROG Co., Springfield, O.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Phila., Pa.

Frogs, Switches & Crossings

Ajax Forge Co., 138 Jackson boul, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
American Frog & Switch Co., Hamilton, O.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd, N E, Cleveland, O. (See adv. index, end of book)
Barbour-Stockwell Co. (Street Ry.), Cambridge, Mass.
Barnum & Richardson Mfg. Co., Lime Rock, Conn.
Buda Foundry & Mfg. Co., Harvey, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO. (For Industrial Railways), 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Chicago Crossing Co., Monadnock blk, Chicago, Ill.
Cincinnati Frog & Switch Co. (For Standard & Narrow Gauge Tracks), Cincinnati, O.
Cleveland Frog & Crossing Co. ("The Lucas"), Cleveland, O.
Conley Frog & Switch Co., Memphis, Tenn.
Elliott Frog & Switch Co. (Spring Frogs, Split Switches, & Switch Stands, etc.), East St. Louis, Ill.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Falk Company, ft 50th, Milwaukee, Wis.
Frog, Switch & Mfg. Co., Carlisle, Pa.
Green's Car Wheel Mfg. Co., St. Louis, Mo.
Indianapolis Switch & Frog Co., Springfield, Ohio
Kilby Frog & Switch Co., Birmingham, Ala.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Kropp, A. A. & Co., 52 Law av, Chicago, Ill.
Lorain Steel Co., Penna. bldg, Phila., Pa.
MARYLAND EQUIPMENT & SUPPLY Co. (New & Second Hand), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Morden Frog & Crossing Works ("Union"), Commercial Nat'l Bank bldg, Chicago, Ill.
New York Switch & Crossing Co., 15th and Madison, Hoboken, N. J.
Penna. Steel Co., Girard bldg, Philadelphia, Pa.
Pettibone, Mulliken & Co. ("Strom" Clamp Frogs & "Spring Rail" Frogs, etc.), 204 Dearborn, Chicago, Ill.
Railroad Supply Co., Bedford bldg., Chicago, Ill
Ramapo Iron Works ("MacPherson" Crossings, Split Switches, Spring & Rigid Frogs, etc.), Hillburn, N. Y.
Weir Frog Co., Cincinnati, O.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Wash'n av, Phila., Pa.
White Mfg. Co. (Crossings & Signals), 556 W 34th, New York

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475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Wonham, Magor & Sanger, 30 Church, New York

Frogs (Wrecking)

(See Replacers, Car)

*Frost Proof Pipe Boxing (Wooden Sectional for Exposed Water Pipes)

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

Fuel Economizers

Albany Industrial Co. ("Chapman"), Albany, N. Y.
American Stoker Co., Erie, Pa.
BARTLETT, C. O. & SNOW CO., Cleveland, O. (See adv. index, end of book)
Broomell, Schmidt & Steacy Co. (Inc.) ("American"), York, Pa.
Green Fuel Economizer Co., General Office & Works: Matteawan, N. Y., & 90 West, New York
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Keyes, F. E. & Son, 20 Broad, New York
Parker Boiler Co., Pennsylvania bldg, Philadelphia, Pa.
Parsons Engineering Co. ("Parsons"), Arcade bldg, Phila., Pa.
Sturtevant, B. F., Co., Hyde Park, Mass.
Sullivan Fuel Economiser Co., 25 W 42d, New York
Thacher, Geo. H. & Co. ("Coe" Improved Combustion & Draft System), Albany, N. Y.
Union Standard Furnace Co., 309 B'way, New York

Fuel Oil & Gas Burning Appliances

(See also Burners, Fuel Oil)

Bennett's Petroleum Burner Co. ("Bennett's" New Process Pneumatic System), San Francisco, Cal.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Best, W. N. American Calorific Co., 11 B'way, New York
Harvey, Elbert A., 50 Church, New York
Hauck Mfg. Co. (Oil Only), 140 Cedar, New York
Johnson, S. T., Co. ("Johnson's Liquid Fuel, Oil Low Pressure Air System), San Francisco, Cal.
MACLEOD, WALTER & CO., 213 E. Pearl Cincinnati, O. (See adv. index, end of book)
National Equipment Co., 211 N 7th, St. Louis, Mo.
National Supply Co. (Billow System for Fuel Oil), 315 Dearborn, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pa. (See adv. index, end of book)
Rockwell Furnace Co., 26 Cortlandt, N. Y.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
TATE, JONES & CO. (Inc.) (& Gas), Empire bldg, Pittsburg, Pa. (See adv. index, end of book)
Witt, G. E., Co. (Inc.) (Specialty Fuel Oil), San Francisco, Cal.

Fuel Oil Pumping Systems

National Supply Co. (Billow Systems), 315 Dearborn, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Fuller Board

(See Press Board)

Fuller's Earth

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Hammill & Gillespie, 240 Front, New York
Lester Clay Co., Jacksonville, Fla.
Olson, John, Benton, Ark.
Owl Commercial Co., 1181 B'way, New York
Salomon, L. A. & Bro., 216 Pearl, New York
Southern Fullers Earth Co., Warren, Pa.
Whittaker, W. H., 245 Front, New York

Fullers (Top & Bottom)

ANDERSON FORGE & MACHINE CO., 271 Gusin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.) (Blacksmiths'), Altoa, Ill.
Champion Tool Co., Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 375 W Carroll av, Chicago, Ill.

Fumigators

Wotherspoon, Jas. R. ("Eureka," "Perfection"), 238 N Front, Philadelphia, Pa.

*Funnels for Injection & Oil Overflow

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Funnels (Gasoline)

Auto-Improvement Co. ("Ever Ready"), 304 Hudson, New York
Cambria Forge Co. Johnstown, Pa.
Dover Stamping & Mfg. Co. ("Dover" Motor Boat & Auto), Cambridge, Mass.
Duplex Folding Pail Co., 114 E 14th, New York
Frost Mfg. Co., Kenosha, Wis.
Hussey Drop Forge & Mfg. Co., Axtell opp. Osage, Cleveland, O.
Stevens & Co. ("Breeze"), 99 Chambers, New York
Taliaferro, W. T., 258 B'way, New York
Vogel, Wm. & Bros. (Automobile), 37 S 9th, Brooklyn, N. Y.
WILSON, F. CORTEZ & CO., 230 Lake, Chicago, Ill. (See adv. index, end book)

Furnace Feeders (Automatic)

Empire Blower & Pipe Co., Rochester, N. Y.
Sterling Blower & Pipe Co., Hartford, Conn.

Furnace Pipe & Fittings

Bartlett, J. C., 632 Liberty av, Pittsburg, Pa., & West Newton, Pa.
Excelsior Steel Furnace Co., 38 W Monroe, Chicago, Ill.
Meyer, F., & Bro. Co. ("Improved Handy"), Peoria, Ill.
Perfection Furnace Pipe Co., Toledo, O.
PITTSBURGH GAGE & SUPPLY CO. (Blast Furnace, etc.), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co. (Blast Furnace, etc.), 26th & A. V. R'y, Pittsburgh, Pa. (See adv. index, end of book)
Safety Furnace Pipe Co., 13 E Atwater, Detroit, Mich.
Stockhoff Supply Co. (Perfection), 107 N Main, St. Louis, Mo.
Wright Mfg. Co., 780 State, New Haven, Conn.
XXth Century Heating & Ventilating Co., Akron, O.

Furnaces (Agricultural)

Donaldson Bros., Mt. Clemens, Mich.

Furnaces (Annealing & Case Hardening)

AMERICAN GAS FURNACE CO. (Gas), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
American Stoker Co., 11 B'way, New York
Bates Machine Co., Joliet, Ill.
Best, W. N. American Calorific Co., 11 B'way, New York
Braun, F. W. (Annealing, Hardening, Tempering & Case Hardening), Los Angeles, Cal.
Bristol, Wm. H., 45 Vesey, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas Blast), La Salle av, Chicago, Ill. (See adv. index & branch offices, end of book)
Crosby Co. (Case Hardening), 171-189 Pratt, Buffalo, N. Y.
Engelhard, Chas. ("Hercena," Steel Hardening), 30 Church, New York
Gilbert & Barker Mfg. Co., Springfield, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

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Kenworthy Engineering Co., Waterbury, Conn.
McClure, G. W., Son & Co., Bessemer bldg, Pittsburg, Pa.
MacKenzie's, Duncan Sons Co., Trenton, N. J.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Manchester, C. B. Gas Furnace Co. (Gas), 60 Friendship, Providence, R. I.
Morgan Construction Co., Worcester, Mass.
Railway Materials Co. (For Boiler Shop, Oil as Fuel), Old Colony bldg, Chicago, Ill
Reed, Chas. J., 23d & Hamilton, Phila., Pa.
Rockwell Furnace Co., 26 Cortlandt, N. Y.
Reuleaux, Josef & Co., Second National Bank bldg, Pittsburg, Pa.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort" Aluminum), 336 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.) ("Kirkwood" Oil & Gas for Fuel), Empire bldg, Pittsburg, Pa. (See adv. index, end of book)
U. S. Gas Furnace Co. (Gas Blast), 159 Aborn, Providence, R. I.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Westmacott Gas Furnace Co. (Gas Blast), 159 Orange, Providence, R. I
Witteman, A. P., & Co. ("Gantt" Coke), 1223 Spring, Philadelphia, Pa.

Furnaces (Asphalt, Pitch & Tar)

(See Heaters, Asphalt, Pitch & Tar)

Furnaces (Assayers' & Bullion)

AMERICAN GAS FURNACE CO., 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)

Furnaces (Bagasse)

(Is Classified in its order under Sugar Machinery in the Letter S)

Furnaces (Billet Heating)

Best, W. N. American Calorific Co., 11 B'way, New York
MACLEOD, WALTER & CO., 213 E. Pearl Cincinnati, O. (See adv. index, end of book)
Morgan Construction Co., Worcester, Mass.
Rockwell Furnace Co. (Oil, Coal or Gas), 26 Cortlandt, New York

Furnaces (Brass & Copper Melting)

Barnett, Oscar Foundry Co., Newark, N. J.
Best, W. N. American Calorific Co., 11 B'way, New York
Brass Founders' Supply Co. (Rotary), Newark, N. J.
Byram & Co. (Inc.), 435 Guoin, Detroit, Mich.
Fisher, Alfred, 103 Monroe, Chicago, Ill.
Hawley Down Draft Furnace Co. ("Schwartz"), Superior & Townsend, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Johnson Service Co. ("Johnsons"), Milwaukee, Wis.
Littleford Bros., 453 E Pearl, Cincinnati, O
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
[illegible] Furnace Co. (Gas), 60

Furnaces (Brazing)

Best, W. N. American Calorific Co., 11 B'way, New York
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Crucible), La Salle av & Ontaro, Chicago, Ill. (See adv. index & branch offices, end of book)
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O
Kenworthy Engineering Co., Waterbury, Conn.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Furnaces (Case Hardening)

(See Furnaces, Annealing & Case Hardening)

Furnaces (Core Baking)

(See Ovens, Core Baking)

Furnaces (Corrugated)

Continental Iron Works (For Land & Marine Boilers), West & Calyer, Brooklyn, N. Y.

Furnaces (Crucible)

Best, W. N. American Calorific Co., 11 B'way, New York
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
[illegible] 39 Cortlandt,

FURNACES OIL AND BURNERS

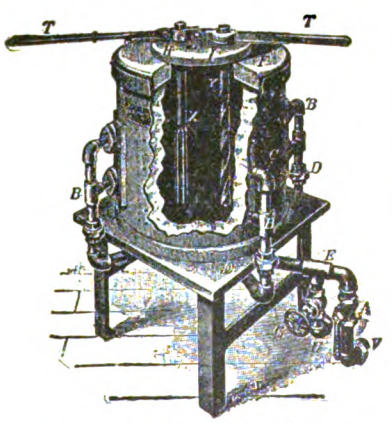
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Westmacott Gas Furnace Co., 159 Orange, Providence, R. I.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

[illegible] Aborn, Providence, R. I.
Westmacott Gas Furnace Co. (Gas Blast), 159 Orange, Providence, R. I.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Turner Brass Works (Gasoline), Sycamore, Ill
Union Drop Forge Co., Chicago, Ill.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)



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*Furnaces (Cupola)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
NORTHERN ENGINEERING WORKS ("The Newten"), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Furnaces (Electric)

American Electric Furnace Co., 45 Wall, New York
Engelhard, Chas. ("Heraeus" Muffle), 39 Cortlandt, New York
Stupakoff, S. H. (For Experimental Work), 545 Turret, Pittsburg, Pa.
Wolff, R. H. ("Heroult"), 445 B'way, New York

Furnaces (Electricians')

(See Furnaces, Gasoline Blow)

*Furnaces (Enameling, Muffler)

AMERICAN GAS FURNACE CO. (Gas; Also Assaying), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.) Empire bldg., Pittsburg, Pa. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Furnaces (Evaporator)

(See Evaporators)
(Also See Exaporators, Multiple Effects in Sugar Machinery)

Furnaces (Flue Welding)

(See also Flue, Welding Machines)

Best, W. N. American Calorific Co., 11 B'way, New York
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Furnaces (Forging, Etc.)

Best, W. N. American Calorific Co., 11 B'way, New York
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast for Small Forgings, etc.), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
Kenworthy Engineering Co., Waterbury, Conn.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Railway Materials Co. ("Ferguson," Oil as Fuel), Old Colony bldg, Chicago, Ill.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Union Drop Forge Co. (Also Crucible), Chicago, Ill.
U. S. Gas Furnace Co. (Gas Blast), 159 Aborn, Providence, R. I.
Westmacott Gas Furnace Co. (Gas Blast), 159 Orange, Providence, R. I.

Furnaces (Fuel Oil Burning)

Best, W. N. American Calorific Co., 11 B'way, New York
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book
Fisher, Alfred, 103 W Monroe, Chicago, Ill.
Gilbert & Barker Mfg. Co., Springfield, Mass.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Russell Economical Furnace Co., 40 Quincy, Chicago, Ill.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)

Furnaces (Gas)

Combustion Utilities Co. (also Lime), 60 Wall, New York
Economy Furnace Co. ("Miracle") Dayton, O.
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Gilbert & Barker Mfg. Co., Springfield, Mass.
Learn & Brindle ("Knoderer"), Columbus, O.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Ohio Foundry Co., Dayton, O.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)

*Furnaces (Gas Blast)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart"), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Furnaces (Gas Generator)

Gautier, J. H. & Co., Jersey City, N. J.

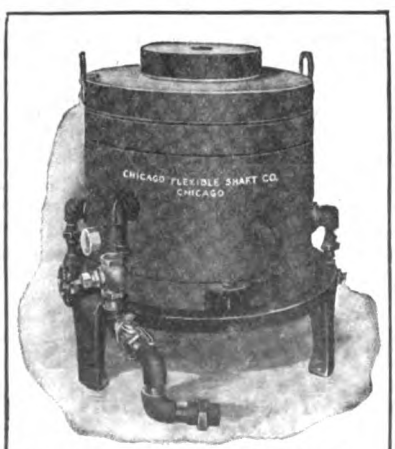
Furnaces (Gas Soldering)

BICKELHAUPT, G. SKYLIGHT W'KS, 243 W 47th, New York. (See adv. index, end of book)
Burgess Soldering Furnace Co. ("Gem"), Columbus, O.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Jacobson Machine Mfg. Co., Warren, Pa.
New York Improved Meter Co., 306 E 47th, New York
Odin Stove Mfg. Co. ("Odin"), Erie, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

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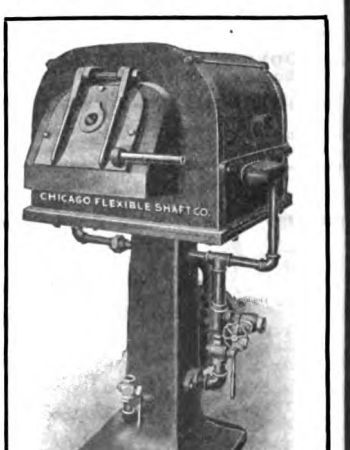
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Metal Heating Dept., Chicago, Illinois



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American Stove Co. ("Reliable"), St. Louis, Mo.
Baker, J. R. & Sons Co., Kendallville, Ind.
BERNZ, OTTO ("Always Reliable"), S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)



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Best Light Co., Canton, O.
Burgess Soldering Furnace Co. ("Gem," "Star"), Columbus, O.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Diener, G. W. Mfg. Co. ("Torrid"), 77 W Lake, Chicago, Ill.
Haines, Jones & Cadbury Co., 1128 Ridge av, Phila., Pa.
Hull, J. S. Mfg. Co., Baltimore, Md.
Jacobson Machine Co. ("Superior"), Warren, Pa.
Knapp Mfg. Co., 20 Warren, New York
Merrie, Hugh ("H-J-C"), Cincinnati, O.
Meyer Foundry & Machine Co. ("Lundy" Soldering), South Bend, Ind.
Murray, John A. ("Haggerty"), 625 6th av, New York
Park & McKay Co., Detroit, Mich.
Phillips & Harmon ("Warrior," "Powhattan," "Hiawatha"), Northville, Mich
Sun Vapor Street Light Co., Canton, O.
Turner Brass Works ("Bonanza," "Eureka," "Pioneer," "Silent Friend"), Sycamore, Ill.
West Mfg. Co., Buffalo, N. Y.
Wolff, L. Mfg. Co. ("Duro"), 117 W Lake, Chicago, Ill.

Furnaces (Glass Mfrs.)

American Producer Gas Furnace Co., Salem, N. J.
Best, W. N. American Calorific Co., 11 B'way, New York
Dixon, H. L. Co., Roslyn, Pa.
Mathews, McGranahan & Mathews, Rochester, Pa.
Murphy, M. L., 426 4th av, Pittsburg, Pa.
WUERZ, KILN & CHIMNEY CONSTRUCTION Co., 34 W. 33d, New York. (See adv. index, end of book)

Furnaces (Gold & Silver Melting)

(See Furnaces, Assayers & Bullion)

Furnaces (Hardening)

(See Furnaces, Annealing & Case Hardening)

*Furnaces (Hardening, Electric)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Furnaces (Heating)

Best, W. N. American Calorific Co., 11 B'way, New York
Kenworthy Engineering Co., Waterbury, Conn.
McClure, G. W. Son & Co., Beesemer bldg, Pittsburg, Pa.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Philadelphia Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Reuleaux, Josef & Co., Second National Bank bldg, Pittsburg, Pa.
Russell Economical Furnace Co. (Oil), 40 Quincy, Chicago, Ill.
STRONG, CARLISLE & HAMMOND Co. ("Frankfort"), 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)
Williams, White & Co., Moline, Ill.

Furnaces (High Speed Steel)

AMERICAN GAS FURNACE CO. (Gas), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Gilbert & Barker Mfg. Co., Springfield, Mass.
Krieger Tool & Mfg. Co. ("Krieger" for Cold Blast Hardening), 479 N Park, Chicago, Ill
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg, Pittsburg, Pa. (See adv. index, end of book)
U. S. Gas Furnace Co., 159 Aborn, Providence, R. I.

Furnaces (Hop)

Munnsville Plow Co. ("Duplex," "20th Century"), Munnsville, N. Y.

Furnaces (Hot Air, Gas for Fuel)

Barber Mfg. Co., Ashtabula, O.
Crane, Wm. M. Co., 16 W. 32d, New York
Schellhammer & Son, Warren, Pa.

Furnaces (Hot Air, Mfrs.)

CALIFORNIA.

LOS ANGELES—Phillips Heating, Vent & Mfg. ("Browne")
SAN FRANCISCO—Mission Foundry & Stove Works, 19th & Treat av
Steiger & Kerr Stove & Foundry Co., 18th & Folsom

CONNECTICUT.

BRISTOL—Turner Heater Co.
NORWICH—McCrum-Howell Co. ("Richmond"), Main Office, New York
PUTNAM—Putnam Foundry & Machine Co.
STAMFORD—Stamford Foundry Co.

ILLINOIS.

AURORA—Aurora Furnace Co. (N. P. Welter, Love Bros. (Inc.) Prop.)
BLOOMINGTON—American Foundry & Furnace
CHICAGO—Boedecker, C., 64 S Desplaines
Co Boynton Furnace Co., 147 Lake
Cox, Abram Stove Co., 19 W Lake
Excelsior Steel Furnace Co., 40 W Monroe
Franzen, Wm., 1093 Sheffield av
Hamilton, F. A. & Co., 241 E 43d
Hart & Crouse Co., 79 Lake
Hess Warming & Ventilating Co., 131 La Salle
Illinois Heater & Mfg. Co., 3945 Wentworth av
International Heater Co., 48 Dearborn
Magee Furnace Co., 86 Lake
McKenzie Furnace Co., 84 Van Buren
McMillan, Jas., & Co., 79 Market
Mellish, F. & Co., 121 E Kinzie
Olson, A. J. & Co., 205 E Lake
Rait, W. S. & Co., 213 Lake
Reynolds, B. F. & Co. (Inc.), 46 Dearborn
Richardson & Boynton Co., 20 Lake
Robinson Furnace Co., 105 Lake
Servoss Furnace Co., 135 Lake
Smith, Chas. Co. ("Hero," "Little Giant"), 101 E Lake
Thatcher Furnace Co., 154 E Lake
Van Evera & Lewis Mfg. Co., 104 W Lake
Water Arch Furnace Co., 164 Dearborn
CHICAGO HEIGHTS—Quaker Mfg. Co.
MOLINE—Tyrrell, B. B. & Co.
PEORIA—Meyer Furnace Co.
Western Stove Works ("Pleasant House")
QUINCY—Gem City Stove Mfg. Co. ("German")

INDIANA.

INDIANAPOLIS—Abel & Doyle, 22 Indiana av
Gage & Rybolt, 632 Mass. av
Johnson, W. H. & Son Co., 945 Fort Wayne av
Kruse & Dewenter, 427 E Washington
Mast, Geo. J. Heating Co., 643 Mass av
Thiele, L. C., 105 S Meridian
Troy Bros., 142 S Delaware

IOWA.

DES MOINES—Campbell Heating Co.
Green Foundry & Furnace Works
DUBUQUE—Smedley Steam Pump Co.
MARSHALLTOWN—Lennox Furnace Co., (Hard & Soft Coal & Wood)
WATERLOO—Bovee Grinder & Furnace Works ("Bovee," Compound Radiator Furnace)

KANSAS.

LEAVENWORTH—Varney Heating & Mfg. Co., 321 Cherokee

MAINE.

BANGOR—Clement & Brown Mfg. Co., 101 Broad
Wood & Bishop Co.
PORTLAND—Portland Stove Foundry Co.

MARYLAND.

BALTIMORE—Bartlett, Hayward & Co., Pratt, Scott & McHenry
Bibb, B. C. Stove Co., 107 Light
Heath, Chas. C. & Co., 14 N Howard
Rapid Transit Stove & Furnace Co., 628 N Eutaw
Sexton, S. B. Stove & Mfg. Co., 7 S Gay
Sheppard, Isaac A. & Co., Eastern av & Chester

MASSACHUSETTS.

BOSTON—Boston Furnace Co., 6 Portland
Carpenter, Cyrus & Co., 44 Hanover
Chilson Furnace Co., 88 Washington
Chubbuck Furnace Co., 1892 Washington
Clark, Henry N. Co., 56 Union
Felton-Turner Heating Co., 32 Warren, Rox.
Hertig Furnace Co., 1342 Columbus av
Highland Foundry Co., 1341 Columbus av
Howes, S. M. Co., 40 Union
International Heater Co., 90 Sudbury
Kohler Furnace & Steam Heating Co., 1342 Columbus av, Rox.
Magee Furnace Co., 38 Union
Ridgway Furnace Co., 6 Portland
Rodday, Robt. J. & Co., 138 Harrison av
Smith & Anthony Co., 48 Union
Walker, Robt. L. Furnace Co., 45 Kilby
Walker & Pratt Mfg. Co., 31 Union
White, Chas. H. & Co., 22 Bawker
CHELSEA—International Heater Co.
MANSFIELD—Chilson Furnace Co.
METHUEN—Sanborn Furnace Co.
WATERTOWN—Walker & Pratt Mfg. Co.
WINCHENDON—Hill & Bosley

MICHIGAN.

DETROIT—Hare, A. A., 300 Woodward av
Ideal Furnace Co., 66 State
Michigan Stove Co., 1022 Jeff av
Peninsular Stove Co., 10th & W Fort
Standard Foundry Co., 24 Chene
DOWAGIAC—Beckwith, P. D. (Est. of), Round Oak)
GRAND RAPIDS—Grand Rapids Furnace Co.
MARSHALL—Marshall Furnace Co.
MONROE—Monroe Foundry & Furnace Co.
PETOSKEY—Burnett Foundry & Machine Co.
TECUMSEH—Century Post Co. Ltd.

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MINNESOTA.

ST. PAUL—Prendergast Bros.
Wolterstorff & Haskell Range & Furnace Co. (The "St. Paul"), 186 E 6th

MISSOURI.

KANSAS CITY—Kansas City Furnace Co.
MOBERLY—Selby, W. H. ("Ideal")
ST. LOUIS—American Furnace Co., 1911 Brinkmann, J. H. & Sons Pine st
Dooly, Jno. E. Furnace, 1000 N Vandeventer av
Halpin, Jas. Mfg. Co. ("Fire King" & "Peace Maker"), 1513 Chestnut
Haynes-Langenberg Mfg. Co. ("Front Ranks" Steel), 4057 Forest Park boul
Star Furnace Co., 3941 Forest Park boul
Tipton & Mackey Mfg. Co., 4952 Easton av
Wrought Iron Range Co., 1901 Wash'n av

NEW JERSEY.

JERSEY CITY—Boynton Furnace Co., Pacific av
NEWARK—Thatcher Furnace Co., 42 St. Francis

NEW YORK.

CORNING—Corning Mfg. Co. ("The Victor")
FULTON—Emeny, G. J. ("Intense")
GENEVA—Summit Foundry Co.
NEW YORK—Abendroth Bros., 109 Beekman
Barstow Stove Co., 210 Water
Boynton Furnace Co., 207 Water
Crane, W. M. Co., 16 W. 32d
Fuller & Warren Co., 256 Water
Graff Furnace Co., 208 Water
Harvey Furnace Co., 220 W 28th
Janes & Kirtland, 725 6th av
McCrum-Howell Co. ("Richmond"), 103 Park av
Mott, J. L. Iron Works, 118 5th av
Nugent, Thos., 223 E 80th
Richardson & Boynton Co., 234 Water
Richardson-Morgan, Co., 230 Water
Sheppard, Isaac A. & Co., 220 Water
Southard-Robertson Co. ("Magnetic"), 257 Water
Thatcher Furnace Co., 110 Beekman
Union Stove Works, 70 Beekman
Wear, John A., & Son, 206 E. 29th
PEEKSKILL—N. Y. Stove Works
Union Stove Works
ROCHESTER—Co-Operative Foundry Co.
Enterprise Foundry Co. ("Ariel"), 48 Olean
SYRACUSE—Kelsey Heating Co.
Syracuse Heater Co.
Syracuse Stove Works ("Kernan-Welcome")
TROY—Burdett, Smith & Co.
Fuller & Warren Co.
Henderson, Frank
UTICA—Gilbiln & Co.
Hart & Crouse Co.
International Heater Co.
Utica Heater Co.

OHIO.

AKRON—May & Fiebeger Co.
Taplin-Rice-Clerkin Co. ("Climax")
XXth Century Heating & Ventilating Co. ("XXth Century")
ASHTABULA—Barber Mfg. Co.
CANTON—Bonnot Co.
CANTON FOUNDRY & MACHINE Co. ("Imperial" Hot Air Blast) (See adv. index, end of book)
CINCINNATI—Grossius, John Furnace Co., 409 E 8th
Grossius, John Furnace Co., 409 E 8th
Loise's, A. Sons & Co., 8th & B'way
Miller, Wm. Range & Furnace Co., 125 E 5th
Peck-Williamson Heating & Ventilating Co., 339 W 5th
CLEVELAND—Bennett Furnace Co. ("Cleveland," "Euclid," "Ohio"), 5801 Euclid av
Forest City Foundry & Mfg. Co. ("Monarch," "Imperial," "Niagara" Hard Coal & Coke)
Mannen & Esterly Co. (Manest Combination Coal & Gas), 2247 St. Clair
Smith, W. A. & Co., 625 Champlain
COLUMBUS—Columbus Heating & Ventilating Co. ("Columbia," "U. S.," "Imperial," "Ohio," "O. K.," Coal or Gas, for Schools, Churches, etc.), 425 W Town
Schreyer, G. ("O. K.," (Gas), 210 W Broad
CRESTLINE—Schill Bros. Co.
DAYTON—National Hot Air Furnace Co. ("National Hustler")
ELYRIA—Fox Furnace Co.
MANSFIELD—Baxter Stove Co.
MARTINS FERRY—Stanton Heater Co. ("Stanton" Seamless)
MASSILLON—Hess Snyder Co. ("Boomer")
NEWARK—Simpson Heater Co.
SPRINGFIELD—Patric Furnace Co., 17 W
Progress Furnace Co. Wash'n
STEUBENVILLE—Sharp, W. L. & Son
TOLEDO—Curran & Firth
YOUNGSTOWN—Youngstown Furnace & Supply Co. ("Lion" Combination)
Schafer Furnace Co.

OREGON.

PORTLAND—McPherson, W. G. Co. ("Perfect")

PENNSYLVANIA.

ALLENTOWN—Hersh & Bro.
BRISTOL—Harkins, T. B. Foundry Co.
COLUMBIA—Keeley Stove Co. ("Columbian")
DANVILLE—Danville Stove & Mfg. Co.
ERIE—Patterson & Stirling
HARRISBURG—Harrisburg Mfg. & Boiler Co. ("The Hornsburg")
PHILADELPHIA—Bartlett, Chas. F., 1038 Market
Cox, Abram Stove Co., cor American & Dauphin
Danville Stove & Mfg. Co., 55 N 22d
Liberty Stove Co., 114 N 2d
Makin Heating Co., 803 Locust
Mershon Patent Shaking Grate Works, 1203 Filbert
Mount Penn Stove Works, 111 N 2d
Phila. Stove & Iron Foundry Co., 1031 N 5th
Reynolds, J. & Son, 1013 Filbert
Sheppard, Isaac A. & Co. ("Paragon"), 1801 N 4th
Spear, Jas. Stove & Heating Co., 1014 Market
Thomas-Roberts-Stevenson Co., 3d & McKean
Tubular Heating & Ventilating Co. (Jupiter), 228 Quarry
PITTSTON—Pittston Stove Co. ("Pittston" & "Happy Thought")
POTTSTOWN — March-Brownback Stove Co. ("Crown")
QUAKERTOWN—Roberts, Winner & Co.
READING—Geissler, H. C. & Sons
Mount Penn Stove Works
Reading Stove Works ("Sunshine")
ROYERSFORD—Buckwater Stove Co.
Floyd-Wells Co. ("Bengal")
Grander Stove Co.
SPRING CITY—Keystone Stove Foundry
Yeager-Hunter Spring City Stove Works
UNIONTOWN—McCrum-Howell Co. ("Richmond"). Main Office, New York
WARREN—Schellhammer & Sons (Gas for Fuel)

RHODE ISLAND.

PROVIDENCE—Barstow Stove Co.

WEST VIRGINIA.

WELLSBURG—Wellsburg Heating & Foundry Co. ("X. L. O.")

WISCONSIN.

MILWAUKEE—Brand Stove Co., 295 6th
Fuller-Warren Co., 32d c Wright
Lindeman, A. J. & Hoverson Co., 848 Florida
Milwaukee Stove & Heater Co., 100 W Water
Mueller, L. J., Furnace Co., 107 Reed
Schwab, R. J. Sons Co., 271 Clinton
NEENAH—Bergstrom Co.

Furnaces (Jewelers')

U. S. Gas Furnace Co. (Gas Blast), 150 Aborn, Providence, R. I.
Westmacott Gas Furnace Co. (Gas Blast), 150 Orange, Providence, R. I.

Furnaces (Kerosene)

Barnes Tool Co. ("Archambault"), New Haven, Conn.
BERNZ, OTTO ("Always Reliable"), S 13th & S Orange, Newark, N. J. (See adv. index, end of book
Mack, Thos. A Mfg. Co. ("Khotal"), Jersey City, N. J
Turner Brass Works, 66 Michigan, Chicago, Ill.

Furnaces (Lead)

Focht, Geo. Sons (Pipe Line), Hoboken, N. J.
Hiles, C. A. & Co. (Lead Melting, on Wheels or Legs), 14th & Western av, Chicago, Ill
Loetzer Valve & Mfg. Co. (Furnace & Lead Pot Mounted on Wheels), Monroeton, Pa.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Mueller, L. Mfg. Co., Decatur, Ill.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
Schalkenbach & Budke, Jersey City, N. J.
Smith, A. P. Mfg. Co. ("Economic," "O'Brien"), Newark, N. J.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Stuebner, G. L. Iron Works, 2th & Vernon av, Long Island City, N. Y.
Union Iron Works, Hoboken, N. J.

Furnaces (Lead Tempering)

Best, W. N. American Calorific Co., 11 B'way, New York
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Gilbert & Barker Mfg. Co., Springfield, Mass.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Rockwell Furnace Co. (For Oil or Gas), 26 Cortlandt, New York
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg. Pittsburg, Pa. (See adv. index, end of book)

Furnaces (Liquid Boiling)

Best, W. N. American Calorific Co., 11 B'way, New York
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Rockwell Furnace Co. (For Oil or Gas), 26 Cortlandt, New York

Furnaces (Liquid Fuel)

Braun, F. W. ("Braun," for Assayers Mining), Los Angeles, Cal
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

*Furnaces (Magnet Heating)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart"), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

*Furnaces (Malleable Annealing)

TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

*Furnaces (Malleable Melting)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Furnaces (Melting)

(See also Furnaces, Brass & Copper Melting)
AMERICAN GAS FURNACE CO., 23 John, New York, & Elizabeth, N. J. (See adv. index, end of book)
Best, W. N. American Calorific Co. ("Calorex"), 11 B'way, New York
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" for Soft Metal, etc.), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Fisher, Alfred, 103 W Monroe, Chicago, Ill.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Kenworthy Engineering Co., Waterbury, Conn.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Monarch Engineering & Mfg. Co. ("Steele-Harvey" Crucible Tilting), Curtis Bay, Baltimore, Md.
Reed, Chas. J., 23d & Hamilton, Phila., Pa.
STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Wellman-Seaver-Morgan Co. ("Wellman," Rolling or Stationary), Cleveland, O.

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*Furnaces (Muffle & Oven)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Furnaces (Muffling & Charcoal Sinking)

MacKenzie's, Duncan Sons Co., Trenton, N. J.

*Furnaces (Oil Tempering)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Furnaces (Open Hearth)

Astna Foundry & Machine Co., Warren, O.

Best, W. N. American Calorific Co., 11 B'way, New York

Laughlin, Alex. & Co. (Continuous Heating), Lewis blk, Pittsburg, Pa.

McClure, G. W. Son & Co., Bessemer bldg., Pittsburg, Pa.

Philadelphia Roll & Machine Co., S 23d & Washington av, Philadelphia, Pa.

Pollock, Wm. B. Co., Youngstown, O.

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Furnaces (Plate Heating)

Best, W. N. American Calorific Co., 11 B'way, New York

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Rockwell Furnace Co. (Oil or Gas for Fuel), 20 Cortlandt, New York

Furnaces (Producers' Gas)

(See Furnaces, Gasoline Blast; also Furnaces, Kerosene)

Furnaces (Producers', Gas)

Combustion Utilities Co., 00 Wall, New York

GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)

Morgan Construction Co., Worcester, Mass.

Furnaces (Pyrites)

Atlanta Machine Works, 1 King, Atlanta, Ga.

Larrabee, H. C. & Co., Baltimore, Md.

Furnaces (Regenerating Gas)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Morgan Construction Co., Worcester, Mass.

Rockwell Furnace Co., 26 Cortlandt, New York

Swindell, Wm. & Bro., German National Bank bldg, Pittsburg, Pa.

Furnaces (Re-Heating)

Best, W. N. American Calorific Co., 11 B'way, New York

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Morgan Construction Co., Worcester, Mass.

Furnaces (Revolving Forge)

Best, W. N. American Calorific Co., 11 B'way, New York

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Pawtucket Mfg Co., Pawtucket, R. I.

Rockwell Furnace Co. (Annealing, for Oil, Coal or Gas), 26 Cortlandt, New York

Furnaces (Rivet Heating)

Best, W. N. American Calorific Co., 11 B'way, New York

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Gilbert & Barker Mfg. Co., Springfield, Mass.

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Monarch Engineering & Mfg. Co. ("Steel-Harvey" Oil), Baltimore, Md.

Rockwell Engineering Co. (For Oil, Coal or Gas), 26 Cortlandt, New York

STRONG, CARLISLE & HAMMOND Co. ("Frankfort"), 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)

TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)

Furnaces (Roll Tapering)

Best, W. N. American Calorific Co., 11 B'way New York

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Railway Materials Co. ("The Ferguson," Oil as Fuel), Old Colony bldg, Chicago, Ill.

Furnaces (Rolling & Melting

Best, W. N. American Calorific Co., 11 B'way New York

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Wellman - Seaver - Morgan Co. ("Wellman"), Cleveland, O.

Furnaces (Salamander)

(See Salamanders)

Furnaces (Smelting, Roasting, Calsing, Etc.)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

American Coke & Gas Cons. Co. ("O'Brien," Ore Roasting), Camden, N. J.

Arizona & Sonora Mfg. Co. (Wood Fuel), Nogales, Ariz.

Braun, F. W., Los Angeles, Cal.

Chalmers & Williams ("White Howell" Roasting), Commercial Nat'l Bank bldg., Chicago, Ill.

Chisholm, Matthew, & Co. ("Edwards" Ore Roasting), Colorado Springs, Col.

Colorado Iron Works Co., Denver, Col.

Davis, F. M. Iron Works Co., Denver, Col.

Denver Engineering Works Co., Blake & 30th. Denver, Colo

Fulton Iron Works ("Wright-McDougall"), San Francisco, Cal

Harron, Rickard & McCone (Inc.), San Francisco Cal.

Hendy, Joshua, Machine Works, 88 Fremont San Francisco, Cal.

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Mecklenburg Iron Works, Charlotte, N. C.

Mine & Smelter Supply Co., Denver, Colo.

Miners' Smelting Furnace Co. ("Medberg," Rotary Smelting), 29 B'way, New York

Mitchell, Geo. (Hot Blast Matting), 52 Wall New York

Nichols Copper Co. ("Herreshoff" Roasting), 2 Broad, New York

Power & Mining Machinery Co. ("Bruecker," "McDowell," Roasting Furnaces, etc.), Cudahy, Wis.

REEVES BROS. CO. (Roasting, Calsing, etc.), Alliance, O. (See adv. index & branch offices, end of book)

Stearns-Rogers Mfg. Co., 1718 California, Denver, Col. Works, Pueblo, Col

Traylor Engineering Co., Allentown, Pa.

Union Iron Works Co., San Francisco, Cal.

Wellman-Seaver-Morgan Co. (Smelting), Cleveland, O., & Akron, O

Furnaces (Smokeless)

(See also Mechanical Stokers)

Automatic Smoke Preventer Co. ("Thomas") New York

Bissett, R. J., & Co. ("Eureka," "Medel"), 806 Superior av, N W, Cleveland, O.

Brightman Furnace Co., Cleveland, O.

Burke, James V., 185 Dearborn, Chicago, Ill.

Butman, T. R., Monadnock bldg, Chicago, Ill.

Climax Smoke Preventer Co., Boston, Mass.

Fulton Foundry Co. ("Eureka" Smoke Consumers), Cleveland, O.

Gas Hive Co., 136 Liberty, New York

Harris Smokeless Furnace Co. ("Harris" Smoke Consuming), Nashville, Tenn.

Harrisburg Foundry & Machine Works ("Weltmyer"), Harrisburg, Pa.

Hawley Down Draft Furnace Co., Superior & Townsend, Chicago, Ill.

Herbert Boiler Co., 240 Boot, Chicago, Ill.

Love Bros. (Inc.) (Self Feeding), Aurora, Ill.

McKenzie Furnace Co., Chicago, Ill

Model Stoker Co. ("Model" Automatic), Dayton, O.

Murphy Iron Works ("Murphy" Automatic), ft of Walker, Detroit, Mich.

Parsons Engineering Co. ("Parsons," Smoke Consumers), Arcade bldg, Phila, Pa.

Power Specialty Co. ("Kent"), 111 B'way, New York

Sargent & Greenleaf Co., Rochester, N. Y.

Scharf, G. H. Co., Ypsilanti, Mich.

Union Standard Furnace Co., 309 B'way, New York

Unique Equipment Co. ("Unique"), Astoria, N. Y.

WESTINGHOUSE MACHINE CO. ("Roney"), Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)

Wilkinson Mfg. Co., Bridgeport, Pa.

Wooley Smokeless Furnace Co., Pittsburg, Pa.

Furnaces (Soldering)

(See Furnaces, Gasoline Blast; also Furnaces, Kerosene)

*Furnaces (Steel Annealing)

(See Furnaces, Annealing & Case Hardening)

Furnaces (Steel Melting)

Best, W. N. American Calorific Co., 11 B'way, New York

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

WUERZ KILN & CHIMNEY CONS. Co., 34 W 33d, New York. (See adv. index, end of book)

Furnaces (Sulphur)

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.

Schutte & Koerting Co. (Beet Sugar or Glue, etc.), 1251 N 12th, Philadelphia, Pa.

Furnaces (Tempering)

(See Furnaces, Annealing & Case Hardening)

*Furnaces (Tinning)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

Furnaces (Tire Heating)

Gilbert & Barker Mfg. Co., Springfield, Mass.

Kane & Roach (Gas), Syracuse, N. Y.

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

STRONG, CARLISLE & HAMMOND CO. ("Frankfort"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)

Williams, White & Co., Moline, Ill.

Furnaces (Welding)

Kenworthy Engineering Co., Waterbury, Conn.

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

U. S. Gas Furnace Co., 150 Aborn, Providence, R. I.

Furnaces (Welding, Regenerative)

MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)

TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa. (See adv. index, end of book)

Wile Power Gas Co., Cleveland, O.

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Furnaces (Wire Baking & Annealing)

Best, W. N. American Calorific Co., 11 B'way, New York
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Morgan Construction Co., Worcester, Mass.
Rockwell Engineering Co. (Oil, Coal or Gas), 26 Cortlandt, New York
TATE, JONES & CO. (Inc.), Empire bldg., Pittsburg, Pa., (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass.

Furnaces (Wood Burning)

(See also Furnaces, Hot Air, Manufacturers)

Berghstrom Bros. & Co., Neenah, Wis.
Clauda & Meyer, Adrian, Mich.
Dean, Walter R., Oakam, Mass.
Hart & Crouse Co., Utica, N. Y.
International Heater Co., Utica, N. Y.
Lennox Machine Co. (Also for Hard & Soft Coal), Marshalltown, Ia.
Miller Furnace Co., Grand Rapids, Mich.
Monroe Foundry & Furnace Co., Monroe, Mich.
Schill Bros. Co., Crestline, O.
Wood & Bishop Co., Bangor, Me.

Furniture (Bamboo)

Boston Bamboo Co., 117 Portland, Boston, Mass.
Klein Bros., 520 E 81st, New York
Heinecke, Adolph & Son, ft of Mason, Milwaukee, Wis.
Minneapolis Bedding Co., Minneapolis, Minn.
National Carriage & Reed Co., Cincinnati, O.
West Branch Novelty Co., Milton, Pa.

Furniture (Bank & Office)

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Stafford, E. H. Mfg. Co., 248 Adams, Chicago, Ill.

Furniture (Church & Lodge)

Abramson & Engesser Co., 1971 1st av, New York
Ahmann, M. Church Goods Co., 324 Main, Cincinnati, O.
Ahnapee Veneer & Seating Co. (Veneer Seating, etc.), Algoma, Wis.
Alexander, R., 195 Oaland av, E. Minneapolis, Minn.
Allen Chair Co., Concord Junction, Mass.
Allen-Totman Co., 90 Canal, Boston, Mass.
American Seating Co. (Seating, etc.), 90 Wabash av, Chicago, Ill.
ANDREWS, A. H. CO. (Seating, etc.), 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Architectural Woodworking Co., 3019 Chestnut, Philadelphia, Pa.
Bent, G. W. & Co. (Cushions & Kneeling Stools), 93 Causeway, Boston, Mass.
Cincinnati Seating Co. (Altars, Pews, Reversible Settees, etc.), Cincinnati, O.
De Wolf Furniture Co., Garnett, Kan.
Fridman Seating Co., New Richmond, O.
Frier, Geo. L., Tacoma, Wash.
Geissler, R., 56 W 8th, New York
Hackner, E. (Altars, Pulpits, Statuary, etc.), La Crosse, Wis.
Halstrick, Anthony (Sculptor & Carver), 636 South av, Rochester, N. Y.
Hogeman, Chas. F., 105 E 17th, New York
Hyde-Murphy Co. (Seats, Pulpits, Pew Ends, etc.), Ridgway, Pa.
Lamb, J. & R. (Inc.), 25 6th av, New York
Lausberg & Macke, Louisville, Ky.
McClees, L. B. (Est. of), 21 S 12th, Philadelphia, Pa.
Maxon & Co. (Pews), Westerly, R. I.
Michigan Apparatus Co., Ann Arbor, Mich.
Minneapolis Office & School Furniture Co., Minneapolis, Minn.
Mitchell, Robert, Furniture Co., 624 Race, Cincinnati, O.
Mitchell, T. H., Salisbury, Md.
Moore Mfg. Co., Springfield, Mo.
N. J. School & Church Furniture Co., Trenton, N. J.
Olcott, J. M., 63 5th av, New York
Osker & Ford Mfg. Co. (Seating, etc.), Grand Rapids, Mich.
Pratt, Amasa & Co., Lowell, Mass.
Readsboro Chair Mfg. Co., Readsboro, Vt.
Retting Furniture Co. (Lodge Only), Grand Rapids, Mich.
Richardson, H. H. & Co. (Mfrs.' Agts.), Jacksonville, Fla.
Rowles, E. W. A., 177 Monroe, Chicago, Ill.
St. Paul Furniture Co., 415 Rosabel, St. Paul, Minn.
Sanford Sash & Blind Co. (Pews), Sanford, N. C.
Schmid, Geo. A. (Altars, etc.), Streator, Ill.
Schmit, Henry & Co., 1069 Hopkins, Cincinnati, O.
Shaw, A. B. & E. L. Co. (Furniture), 81 Causeway, Boston, Mass.
Small, S. C. Furniture Co. (Furniture), 90 Canal, Boston, Mass.
Spencer Desk Co., San Francisco, Cal.
Stafford, E. H. Mfg. Co., 248 Adams, Chicago, Ill.
Standard School Furnishing Co., 2023 Clark, Chicago, Ill.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Stephens, Thos. & Sons (Inc.), Albany, N. Y.
Stoltzenberg Co., 51 Barclay, N. Y.
Thomas & Co., Worcester, Mass.
Tiffin Mfg. Co., (Pews, Pulpits, Altars, Altar Railings, etc.), Tiffin, O.
Tiffany Studios (Special Designs), 347 Madison av, New York
Vauhan-Bonsall Co., Salem, O.
Washington Mfg. Co., Tacoma, Wash.
Weber, C. F., & Co., San Francisco, Cal.
Whitaker & Ray Co., San Francisco, Cal.
Woodman, Joel B. (Pews, etc.), Hoboken, N. J.

Furniture (Dental & Surgical)

American Cabinet Co., Two Rivers, Wis.
Harvard Co., Canton, O.
McRae & Roberts Co., Detroit, Mich.
Michigan Lubricator Co., Detroit, Mich.
Wolf, Fred. W. Co. (Expansion, Gauge, etc.), 141 Rees, Chicago, Ill.

Furniture (Folding Camp)

Gold Metal Camp Furniture Mfg. Co. (Beds, Tables, Stools, Tents, etc.), Racine, Wis.

Furniture for Public Buildings

ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Art Metal Construction Co. (Metallicv), Jamestown, N. Y.
Duker, Otto & Co., Canton av & Albemarle, Baltimore, Md.
Fridman Seating Co. (Office & Court House), New Richmond, O.
Hein Furniture Co., Toledo, O.
Jamestown Metal Furniture Co., Jamestown, N. Y.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Mitchell, Robert Furniture Co., 624 Race, Cincinnati, O.
Mowday, D. L., Norristown, Pa. (Leather Goods)
Revell, A. H. & Co., Wabash av & Adams, Chicago, Ill.
Richardson, H. H. & Co. (also Opera House) (Mfrs.' Agts.), Jacksonville, Fla.
Stafford, E. H. Mfg. Co., 248 Adams, Chicago, Ill.
Tiffany Studios (Special Designs), 347 Madison av, New York
Wollaeger Mfg. Co., 636 N Water, Milwaukee, Wis.

Furniture (Hardware)

(See Hardware Manufacturers, Cabinet)

Furniture (Hospital)

Bernstein Mfg. Co. (Also All Kinds of Apparatus & Supplies), 3d & Allegheny av, Philadelphia, Pa.
Columbus Aseptic Furniture Co., Columbus, O.
Sargeant Mfg. Co., Muskegon, Mich.

Furniture (Knocked Down)

Bockstege Furniture Co. (Tables, etc.), Evansville, Ind.
Cron, L. C. & W. L. Co., Piqua, Ohio
Gunn Furniture Co. (Bookcases), Grand Rapids, Mich.
Humphrey Bookcase Co. (Bookcases), Detroit, Mich.
Imperial Furniture Co. (Tables, etc.), Grand Rapids, Mich.
Mohawk Mfg. Co., Mohawk, N. Y.
New Way Furniture Co. (Unfurnished Furniture Parts), Detroit, Mich.

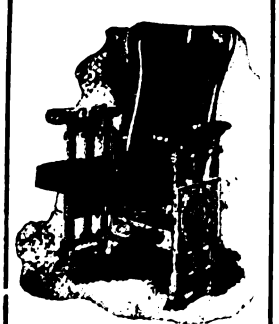
Furniture (Lawn & Porch)

Biscoe Bending & Chair Mfg. Co., Biscoe, N. C.
Crocker Chair Co. (Porch Chairs & Settees), Sheboygan, Wis.
Gendron Wheel Co. (Porch), Toledo, O.

Furniture (Metallic)

(See also Bank & Office Fixtures, Metallic)

ANDREWS, A. H. CO. (Chairs, Stools, Tables, etc.), 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
BERGER MFG. CO., THE, Canton, O. (See adv. index & branch offices, end of book)
Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Canton Art Metal Co., Canton, O.
Chicago Wire Chair Co. (Wire or Metal Chairs, Tables, Stools, etc.), 129 La Salle, Chicago, Ill.
GENERAL FIREPROOFING CO., Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)



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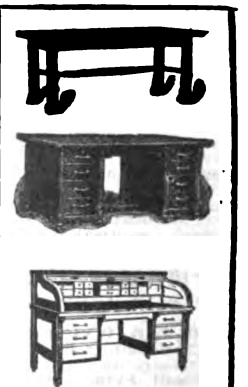
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Jamestown Metal Furniture Co., Jamestown, N. Y.
Library Bureau, 530 Atlantic av, Boston, Mass.
Manufacturing Equipment & Engineering Co. (Stools, etc.), 209 Washington, Boston, Mass.
National Safe & Lock Co. (For Express Companies), Cleveland, O.
Royal Metal Mfg. Co. (Weatherproof Chairs, Tables, Stools, etc.), Chicago, Ill.
SMITH, F. P., WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Toledo Metal Furniture Co. ("Uhl" Art Steel, for Office Equipment, etc.), Toledo, O.
Yesbera Mfg. Co. (Inc.) (Tables, Chairs, & Stools for Stores), Toledo, O.

*Furniture Panel Stock

STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

Furniture (Post Office)

Paul Furniture Co., 415 Rosabel, St. Paul, Minn.
Wagner Mfg. Co., 636 N Water, Milwaukee, Wis.

Furniture (Printers' Wood)

(See Printers' Wood Furniture)

Furniture (Rattan & Reed)

Bay State Chair Co., New Bedford, Mass.
Beyer, J. F., Worcester, Mass.
Bishop & Dickinson, Baldwinsville, Mass.
Capital Rattan Co., Indianapolis, Ind.
Colony, J. L., Co. (Rattan Chairs), Keene, N. H.
Conway Chair Co., Conway, N. H.
Dickerman, J. A., Gardner, Mass.
Dunn, John A. Co., Gardner, Mass.
Ehlers, Robert J. Co., 432 Lexington av, New York
Ford & Johnson, Chicago, Ill.
Gendron Wheel Co., Toledo, O.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hartshorn, C. H., Gardner, Mass.
Hechinger Bros. & Co., Baltimore, Md.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Jansen, Ed., 112 W 18th, New York
Jenkins-Phipps Co., Wakefield, Mass.
Kelly Bros., Gardner, Mass.
Kinley Mfg. Co., Chicago, Ill.
Kurtz, N. M. Co., San Francisco, Cal.
Lattimer, W. H. & Sons, Orwell, N. Y.
May's Rattan Works, 1802 N Clark, Chicago, Ill.
Minneapolis Baby Carriage Co., Minneapolis, Minn.
National Carriage & Go-Cart Co., Faribault, Minn.
Newburgh Reed Co., Newburgh, N. Y.
New England Reed Co., Boston, Mass.
Omaha Reed & Rattan Works, Omaha, Neb.
Piel Bros. Mfg. Co., Indianapolis, Ind.
Pioneer Mfg. Co., Detroit, Mich.
Rattan Mfg. Co., New Haven, Conn.
Ryan Rattan Chair Co., Grand Rapids, Mich.
St. Louis Rattan Co., St. Louis, Mo.
Sons-Cunningham Co., 26 Cherry, New York
Theise, Fred., Boston, Mass.
Virgin, J. M. & Son, Saco, Me.
Wakefield Mfg. Co., Wakefield, Mass.
White River Chair Co., Brattleboro, Vt.
Ypsilanti Reed Furniture Co., Ionia, Mich.

Furniture (School)

Allen Chair Co. (Settees, Folding Chairs, etc.), Concord Junction, Mass.
Allen-Totman Co. (Portable Wood Folding), 90 Canal, Boston, Mass.
American Seating Co. (Automatic Desks, Seats, etc.), 90 Wabash av, Chicago, Ill.
ANDREWS, A. H. CO. (Furniture), 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Carton Co., 878 Wabash av, Chicago, Ill.
Chandler Adjustable Chair & Desk Co., 165 Devonshire, Boston, Mass.
Cincinnati Seating Co. (Seats, Apparatus & pies), 6th & Vine, Cincinnati, O.
Columbus School Desk Co., Columbus, Ga.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

De Wolf, Geo. N., Garnett, Kan.
Evans, R. & Co. (Also Charts), Green Bay, Wis.
Fritz & Goeldel Mfg. Co. (Desks, etc.), Grand Rapids, Mich.
Gage, J. F. & Co. (Seating Desks, etc.), Minneapolis, Minn.
Haney School Furniture Co. (and Supplies), 63 5th av, N. Y.; Grand Rapids, Mich.
Household Cabinet Works, Providence, R. I.
Kansas City Furniture & Bedding Manufactory, Kansas City, Mo.
McClees, L. B. (Est. of) (Apparatus & Supplies), 21 S 12th, Philadelphia, Pa.
Michigan Apparatus Co., Ann Arbor, Mich.
Minneapolis Office & School Furniture Co., Minneapolis, Minn.
Moore Mfg. Co., Springfield, Mo.
N. J. School & Church Furniture Co., Trenton, N. J.
Oklahoma School Desk Mfg. Co., Cherokee, Okla.
Pacific Coast School Furniture Co., Forest Grove, Ore.
Richmond School Furniture Co., 26 Dean, Brooklyn, N. Y.
Rowles, E. W. A., 177 Monroe, Chicago, Ill.
Smith, S. A. Co. (Settees Made Same as Desk Seats), Brattleboro, Vt.
Spencer Desk Co., San Francisco, Cal.
Stafford, E. H. Mfg. Co., 248 Adams, Chicago, Ill.
Standard School Furnishing Co., 2023 Clark, Chicago, Ill.
Weber, C. F., & Co., San Francisco, Cal.
Whitaker & Ray Co., San Francisco, Cal.
Woodruff & Edwards Co. (Desks, etc.), Elgin, Ill.

*Furniture (Steel Rod)

ANDREWS, A. H. CO. (Standards of Chairs, Stools & Tables), 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)

Furring & Lathing (Iron)

McCartney, R. G. (Steel), 622 St. Nicholas av, New York
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
Monahan, Martin J., 1123 B'way, New York
Schratwieser, C., 426 3d av, Brooklyn, N. Y.
Voss, Fred'k, 617 Austin av, Chicago, Ill.

Fuse (Railway Signal)

(See Torpedoes & Fuses, Railway Signal)

Fuse (Links)

Underwriters' Hatch Door Co. (For Fire Doors), Chicago, Ill.

Fuse Wire

(See Fuses, Enclosed, Indicating; also Fuses, Miscellaneous, Electric)

Fuses (Enclosed, Indicating)

Bryant Electric Co. Electric), Bridgeport, Conn.
Chase-Shawmut Co. (National Electric Code Standard), Newburyport, Mass.
Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill.
D & W FUSE CO. ("D & W" Cartridge or Plug Type), Providence, R. I. (See adv. index, end of book)
Detroit Fuse & Mfg. Co. ("Arkless"), Detroit, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co. ("Noark"), 100 William, New York
JOHNS-PRATT CO., THE ("Noark"), Hartford, Conn.
Sachs Co., Hartford, Conn.
WESTINGHOUSE ELEC. & MFG. CO., Union B'k bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Woolley Electric Co. ("B-P"), St. Louis, Mo.

Fuses (Miscellaneous, Electric)

American Electric Fuse Co. ("American" Fuse Wire, Links & Strips, also Mica Fuses), Muskegon, Mich.
Appleton Electric Co. ("Veribest"), 224 Washington, Chicago, Ill.
Central Telephone & Elec. Co. ("Gilgen"), St. Louis, Mo.
Chase-Shawmut Co., Newburyport, Mass.
Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill.
Cook, Frank B., 240 W Lake, Chicago, Ill.
Detroit Fuse & Mfg. Co. ("Arkless"), Detroit, Mich.
Freeman, E. H. Electric Co., Trenton, N. J.
GENERAL ELECTRIC CO. ("Ferguson"), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hartwig, Wm. J. Co., Detroit, Mich.
Harvard Electric Co. ("Standard," "Greer"), 60 W Van Buren, Chicago, Ill.
Helios Mfg. Co., Phila., Pa.
JOHNS-PRATT CO., THE ("Noark"), Hartford, Conn.
McIntire, C. Co., 1 Franklin, Newark, N. J.
Mercer Electric Mfg. Co., Trenton, N. J.
Mountain State Elec. ("Hall" Mica), Wheeling, W Va.
Nagel-Collins Mfg. Co., 249 Jefferson, Chicago, Ill.
Paiste, H. T. Co. ("H. & L."), Arch & 32d, Phila., Pa.
Sterling Electric Co. (Heat Coils), Lafayette, Ind.
Weber Electric Co., 131 State, Boston, Mass.
WESTINGHOUSE ELEC. & MFG. CO., Union B'k bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Gadders (Air)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Galleries (Riding)

(See also Carousels, Organs, Etc.)

Gillie Engine & Machine Co., Tonawanda, N. Y.
Herschell, Spillman & Co., N Tonawanda, N. Y.
Parker C. W., Abilene, Kans.

Galvanized Iron Pipe Mfrs.

(See Pipe, Galvanized Iron)

Galvanizing (Cold Process)

American Pulley Co., 29th & Bristol, Philadelphia, Pa.
Bossert Electric Construction Co., Utica, N. Y.
California Industrial Co., Los Angeles, Cal.
Hanson & Van Winkle Co., Newark, N. J.
Indiana Galvanizing & Mfg. Co., Anderson, Ind.
Kansas City Galvanizing & Mfg. Co., Dwight bldg, Kansas City, Mo.
Pittsburg Electro Galvanizing Co., Pittsburg, Pa.
United States Electro Galvanizing Co. (Plants Installed), 3 Park av, Brooklyn, N. Y.
Wilmington Electro Plating Co., Wilmington, Del.

*Galvanizing (Hot Process)

ABENDROTH & ROOT MFG. CO. (Two Baths, each 2 ft. 6 in. x 4 ft. 0 in. x 28 ft. 0 in.), Newburgh, N. Y. (See adv. index & branch offices, end of book)

*Galvanizing Plants (Complete)

WILFONG BROS., 52d & Grays av, Phila., Pa. (See adv. index, end of book)

Galvanizing Works

(See also Tinning & Japanning)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Galvanizing Co., 816 E Pearl, Cincinnati, O.
American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
American Pulley Co., 29th & Bristol, Philadelphia, Pa.
American Tube & Stamping Co., Bridgeport, Conn.
Bossert Electric Construction Co., Utica, N. Y.
Boston Galvanizing Works, 121 W. 1st, Boston
Briscoe Mfg. Co., Detroit, Mich.
Buffalo Galvanizing & Tinning Works (Also Tinning), 79 Jackson, Buffalo, N. Y.
Buhl Stamping Co. (also Tinning), Detroit, Mich.
California Industrial Co., Los Angeles, Cal.
Central Stamping Co., 24 Cliff, New York.
Cleveland Galvanizing Works Co., 3900 Cooper, N E, Cleveland, O.
Devlin, Thos. Mfg. Co., 3d & Lehigh av., Phila., Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eberhard Mfg. Co., Cleveland, O.
Finn, Jno. Metal Works, 315 Howard, San Francisco, Cal.

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Grabler Mfg. Co., Cleveland, O.
Gregory, Thomas Galvanizing Works, 263 N Henry, Brooklyn, N. Y.
Hill, Jas. Mfg. Co., Providence, R. I.
Hubbard & Co., Pittsburg, Pa.
HUNT METAL CORNER CO. (Hot Process), Westboro, Mass. (See adv. index, end of book)
Illinois Malleable Iron Co., 515 Diversey boul., Chicago, Ill.
Indiana Galvanizing & Mfg. Co., Anderson, Ill.
Jersey City Galvanizing Co., 112 John, New York, & 80 Morgan, Jersey City, N. J.
Kansas City Galvanizing & Mfg. Co., Dwight bldg, Kansas City, Mo
Keystone Nail Co., 1018 Wash'n av, Phila., Pa.
Koven, L. O. & Bro., 50 Cliff, New York
Lanz, Mathew & Sons, 101 S 20th, Pittsburg,
Laughlin, Thos. Co., Portland, Me. Pa.
Lefferts, Jno. C., Smith, Bush & Hamilton avs, Brooklyn, N. Y.
Lefferts' Galvanizing Works, 508 E 20th, New
McCance Bros. Co., Pittsburg, Pa. **York**
Malleable Iron Fitting Co. (Also Tinning & Japanning), Brandford, Conn.
Marine Hardware & Equipment Co., South Portland, Me.
Mesker Co., 44 Elizabeth, Chicago, Ill.
Metal Finishing Co., Union City, Conn.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Murphy, P. H., Mfg. Co., East St. Louis, Mo.
National Galvanizing Tinning & Supply Co. (Galvanizing & Tinning of Every Description), 891 N Front, Phila., Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass
Ohio Foundry Co., Cleveland, O.
Oliver, Wilbur C., Bath, Me.
Palmer & De Mooy Foundry Co., Cleveland, Ohio
Penna. Galvanizing Co. (Ltd.), 2130 Race, Phila., Pa.
Pittsburg Electro Galvanizing Co., Pittsburg, Pa.
Porter Metal Works, San Francisco, Cal.
Republic Metalware Co., Buffalo, N. Y., & 21 Cliff, New York
Rockford Galvanizing Works, Rockford, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Simpson, W. T. & Co., 816 E. Pearl, Cincinnati, O.
United Galvanizing Co. (Inc.) (All Kinds for All Purposes), 525 N Front, Phila., Pa.
United States Electro-Galvanizing Co., 3 Park av, Brooklyn, N. Y.
White Mountain Freezer Co. (Also Tinning), Nashua, N. H.
Wilcox, Crittenden & Co. (& Tinning), Middletown, Conn.
Wilmington Electro Plating Co., Wilmington, Del
Woodman, Geo. Co., 41 Pearl, Boston, Mass.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Galvanizing & Tinning Plants (Wire Mill)

Morgan Construction Co., Worcester, Mass.
WRIGHT WIRE CO., Worcester, Mass.

Galvano-Bronze Work

Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)

Galvanometers & Bridges

BUNNELL, J. H., & CO., Park pl, & Church, New York. (See adv. index, end of book)
Century Electric Co., Syracuse, N. Y.
Foote, Pierson & Co. ("Delta"), 100 Duane, New York
Gurley, W. & L. E., Troy, N. Y.
Leeds & Northrop Co. ("Kelvin" "D'Arsonval." Galvanometers & "Kohlrausch," "Carey-Foster." "Hoopes." Bridges), 4901 Stenton av, Gtn., Phila., Pa.
Manufacturers & Inventors Electric Co. ("Troy"), 84 Nassau, New York
Minerallac Co., Monadnock bldg., Chicago, Ill.
Pearce, Frederick Co., 18 Rose, New York
QUEEN & CO. (Inc.), n. w. c 5th & Arch, Phila., Pa. (See adv. index, end of book)
Reliance Instrument Co., 60 W Van Buren Chicago, Ill.
Roller-Smith Co., Bethlehem, Pa.
Western Electric Co., 250 S Clinton, Chicago, Ill., & 57 Bethune, N. Y.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Gang Rippers

American Woodworking Machinery Co., Rochester, N. Y., West st. bldg. N. Y.
Filer & Stowell Co., Home Office, Milwaukee.
Garland, M. Co., Bay City, Mich. Wis.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.

*Garbage Cans (Seamless Pressed Steel)

PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)

Garbage Disposal Plants

(See also Sewage Disposal Plants)

American Extractor Co., Providence, R. I.
American Reduction Co., 1942 Forbes, Pittsburg, Pa
BARTLETT, C. O. & SNOW CO., Cleveland, O. (See adv. index, end of book)
Bridgeport Boiler Works, Bridgeport, Conn.
Clinton Foundry & Mach. Co., 95 Liberty, New York
Cragin, Morgan J. (Combined Garbage, Crematory & Hot Water Heater), 285 E. 43d Chicago, Ill.
Davis Garbage Furnace Co., Lancaster, Pa.
Decarie Mfg. Co., 23 S 2d, Minneapolis, Minn.
Dixon Garbage Crematory Co., Toledo, O.
Edison Reduction Machinery Co. (Garbage Reduction), Cleveland, O
Garrigues, W. E., 1123 B'way, N. Y.
GRISCOM-SPENCER CO., 90 West, New York & ft Washington av, Phila., Pa. (See adv. index & branch offices, end of book)
Illinois Malleable Iron Co. ("Imico"), 515 Diversey boul, Chicago, Ill.
International Incinerator Co. (Incinerators), Prudential bldg, Buffalo, N. Y.
KUTZTOWN FOUNDRY & MACHINE CO., 116 N Broad, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Lewis & Kitchen, 1200 Michigan av, Chicago, Ill.
Morse-Boulger Destructor Co., 39 Cortlandt, New York
Municipal Engineering Co., 237 B'way, New
Penna. Construction Co., Marietta, Pa. York
Power Specialty Co. ("Heenan," "Destructor"), 111 B'way, New York
Redfield, Rob't S. & Co., 90 West, New York
Sanitary Product Co., Fidelity bldg, Phila., Pa.
Williams, Proctor & Potts (Inc.), Whitehall bldg, New York

Gas Bags (Rubber)

Cleveland Rubber Works, Cleveland, O.
Davol Rubber Co., Providence, R. I.
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
National India Rubber Co., Bristol, R. I.
Peerless Rubber Mfg. Co., 16 Warren, New
Tyer Rubber Co., Andover, Mass. York
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Gas Composimeters

Uehling Instrument Co., Passaic, N. J.

Gas Engine Igniters

(See Igniters, Gas & Gasoline Engine)

Gas Fixtures

(See Gas & Electric Fixtures, Manufacturers)

Gas Fixtures (Acetylene)

Davis Acetylene Fixture & Supply Co., Elkhart, Ind.

Gas Fixtures (Wrought Iron)

Bradley & Hubbard Mfg. Co., Meriden, Conn.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)
Koehn, Alfred, 159 W 29th, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Perelson, L., 204 Centre, New York
Rose & Hastie, 754 Lexington av., Brooklyn, N. Y.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)

Annealing Boxes
Galvanizing Kettles
Galvanizing Plants

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Builders and Contractors for COMPLETE FACTORY and WATERWORKS EQUIPMENT

TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Williams, Jno., 556 W. 27th, New York
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv index, end of book)

Gas Heating & Cooking Stoves

(See Stoves, Heaters & Ranges, Gas)

Gas Holders

Bartlett, Hayward & Co., Baltimore, Md.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Continental Iron Works, West & Calyer, Brook-
Cruse-Kemper Co., Amber, Pa. lyn, N. Y.
Davis & Farnum Mfg. Co., Waltham, Mass.
Delly & Fowler, 39 Laurel, Phila., Pa.
Dillon, D. M., Fitchburg, Mass.
Hamler Boiler & Tank Co., 3006 S. Halsted, Chicago, Ill.
Hellman Boiler Works, Allentown, Pa.
Kerr-Murray Mfg. Co., Ft. Wayne, Ind.
Koven, L. O. & Bro., 80 Cliff, New York.
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Riter-Conley Mfg. Co., Pittsburg, Pa., & 111 B'way, New York
Stacey Mfg. Co., Elmwood pl., Cincinnati, O.
Western Gas Cons. Co., Fort Wayne, Ind.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Gas Lighters

(See Burners, Various Kinds)

Gas Lighters (Pneumatic)

Pneumatic Gas Lighting Co., 150 Nassau, New York

Gas Logs

Cassell, Jacob C., 915 Arch, Philadelphia, Pa.
Crane, Wm. N. Co., 16 W. 32d, New York
Galloway, Wm., 3817 Walnut, Philadelphia, Pa.
Gleason, E. P. Mfg. Co. ("Driftwood"), 37 Murray, New York
Superior Mfg. Co. (Asbestos), Pittsburg, Pa.

Gas Machines

(For All Kinds of Gas Machines See Page Number in Index of Contents)

Gas Plants Installed

(See Gas Works, Apparatus and Construction)

Gas Portables

(See Gas & Electric Portables)

Gas Producers

American Furnace & Machine Co., Fulton bldg, Pittsburg, Pa.
Automatic Gas Producer Co., 25 Broad, New York
Backus Water Motor Co., Newark, N. J.
BEGGS, JAMES & CO. (Gas Producer Engines), 109 Liberty, New York. (See adv. index, end of book)
Broomell, Schmidt & Steacy Co. (Inc.), York, Pa.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
De La Vergne Machine Co. ("Koerting"), ft E 138th, New York
Dixon, H. L. Co., Roslyn, Pa.
Dornfeld-Kunert Co. ("Atkinson" Suction & Pressure), Watertown, Wis.
Duff Patents Co., Frick bldg, Pittsburg, Pa.
Eynon-Evans Mfg. Co., Clearfield c N 15th, Philadelphia, Pa.
FAIRBANKS, MORSE & CO. (Suction), Wabash av & Eldredge pl, Chicago, Ill (See adv. index & branch offices, end of book)
Foos Gas Engine Co., Springfield, Ohio
Fort Wayne Foundry & Machine Co., Fort Wayne, Ind.
Forter-Miller Engineering Co. ("Forter" Water Seal), Pittsburg, Pa.
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Gibbs Gas Engine Co. ("Akerlund"), Atlanta, Ga.
Harvey, Elbert A. ("Industrial"), 50 Church, New York
Industrial Gas Power Co. ("Atkinson" Automatic), Caswell blk, Milwaukee, Wis.
International Harvester Co. of America, Chicago, Ill.
MACLEOD, WALTER & CO., 213 E. Pearl, Cincinnati, O. (See adv. index, end of book)
Marine Gas Producer Co., Exchange bldg, Boston, Mass
MINNEAPOLIS STEEL & MACHIN-ery Co. ("Muenzel," Suction), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Morgan Construction Co. (Furnaces & Kilns), Worcester, Mass.
Olds Gas Power Co. ("Pintsch" Suction), Lansing, Mich.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Phila Roll & Machine Co., S 23d & Wash'n av. Phila., Pa.
Power & Mining Machinery Co. (Loomis-Pettibone Gas Apparatus for Power Plants and Metallurgical), Cudahy, Wis.
Reuleaux, Josef & Co. (Artificial), Second National Bank bldg, Pittsburg, Pa
Rose Mfg. Co. ("Neverout" Invertible), 911 Arch, Philadelphia, Pa
Smith Gas Power Co. ("Smith" Automatic Suction), Lexington, O.
Smythe, S. R. Co. ("Standard"), Pittsburg, Pa
Swindell, Wm. & Bros. (for Steel & Iron Works), German Nat'l Bank bldg, Pittsburg, Pa
Wellman-Seaver-Morgan Co. ("Frazer-Talbot" Mechanical & "Hughes" Mechanical or Hand Operated), Cleveland, O., & Akron Ohio
WESTINGHOUSE MACHINE CO. (for Power Plants), Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)
Wood, R. D. & Co. ("Taylor" & "Mond," also Plants for Operating Gas Engines), 400 Chestnut, Phila., Pa.

Gas Producers (Water Seal)

American Furnace & Machine Co. ("Swindell") Fulton bldg, Pittsburg, Pa.
Automatic Gas Producer Co., 25 Broad, New York
Broomell, Schmidt & Steacy Co., York, Pa.
Duff Patents Co., Pittsburg, Pa.
Forter-Miller Engineering Co. ("Forter"), Pittsburg, Pa
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Harvey, Elbert A. ("Industrial"), 50 Church, New York
Laughlin, Alex & Co., Pittsburg, Pa.
Morgan Construction Co., Worcester, Mass.
Smythe, S. R. Co. (With Grates, also Grateless), Pittsburg, Pa.
Swindell, Wm. & Bros., Pittsburg, Pa.
Wood, R. D., & Co., 400 Chestnut, Phila, Pa.

Gas Ranges

(See Stoves, Heaters & Ranges, Gas)

Gas Retorts

(See Retorts, Gas)

Gas Shut-Off (Automatic)

Lord, L. L. Co., Meadville, Pa.

Gas Tips (Lava)

American Meter Co., 501 W 47th, New York
Cahuita Talc Co., Dalton, Ga.
North Carolina Talc & Mining Co. (Acetyline & Coal Gas Burners), Hewitts, N. C.
Novelty Burner Co. ("E. H.," Coal Gas,) Chattanooga, Tenn.
Steward, D. M., Mfg. Co. ("E. H."), Chattanooga, Tenn.

Gas Washer, Boiler & Burner (Combined)

Weimer Machine Works Co., Lebanon, Pa. Cleveland, Ohio

Gas Works Apparatus & Construction

American Coke & Gas Construction Co., Camden, N. J.
Artificial Stone Construction Co. (Builders), Gadsden, Ala.
Bartlett, Hayward & Co. (Coal & Water Gas), Baltimore, Md.
Beacon Contracting & Construction Co., 280 B'way, New York
Connolly Iron Sponge & Governor Co., 395 B'way, New York
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Delly & Flower, 39 Laurel, Phila., Pa.
Foos Gas Engine Co., Springfield, Ohio
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Isbell-Porter Co., Newark, N. J.
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
Lloyd Construction Co., Detroit, Mich.
National Gas & Construction Co., Fidelity bldg, Phila., Pa.
Phoenix Gas & Improvement Co. ("Janeway"), Harrison bldg, Phila, Pa.
Practical Gas Construction Co., North Chicago, Ill.
Quintard Iron Works Co., 12th & E R, New York
Riter-Conley Mfg. Co., Pittsburg, Pa., & 111 B'way, New York
Stacey Mfg. Co., Elmwood pl, Cincinnati, O.
United Gas Improvement Co., Broad & Arch, Philadelphia, Pa.
Wayne Engineering & Construction Co., Fort Wayne, Ind.
Western Gas Cons. Co., Fort Wayne, Ind.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Gas & Electric Fixture Mfrs.

CALIFORNIA.

LOS ANGELES—Eastern Art Metal & Fix-
Forve-Pettibone Co. ture Co.
Hutchison, W. G., Co.
Meyberg Co.
SAN FRANCISCO—Adams & Hollopeter, 745 Burtschaell, Jno. W., 123 Oak Mission
California Gas Fixture Co., 357 Ellis
Coefield Co. (Inc.), 51 Shipley
Day, Thomas Co., 725 Mission
Hufschmidt, L. A., Mfg. Co., 558 McAl-
Roberts Mfg. Co., 857 Mission lister
Schermund & Krauss, 1433 Mission

COLORADO.

DENVER—Sechrist, Albert Mfg. Co.

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CONNECTICUT.

MERIDEN—Bradley & Hubbard Mfg. Co.
Brenner Bros. Mfg. Co.
Miller, Edw. & Co. (Mfrs., etc.)
WATERBURY—Brenner, B. Mfg. Co.
Waterbury Mfg. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Catlin, Elmer H., Co., 309 13th, N W

ILLINOIS.

CHICAGO—Acme Metal Mfg. Co., 68 W Baggott, E., Co., 47 Lake Monroe
Beardslee Chandelier Mfg. Co., 176 S Clinton
Braun, David J. Mfg. Co., 135 W Wash'n
Central Chandelier Co., 509 Fulton
Chicago Gas & Electric Fixture Mfg. Co., 19 S Jefferson
Chicago General Fixture Co., 169 Adams
Debs, Chas. H. & Co., 133 S Clinton
Edwards, W. S. Mfg. Co., 21 E Lake
Lau, W. H., Co., 93 Indiana
Metallic Mfg. Co., 159 39th
Moran & Hastings Mfg. Co., 61 Washington
Pattison, J. L. & Co., 164 S Clinton
Tietgen, Falk & Co., 79 W Van Buren
Wiese, August, 1786 Evanston av
Williamson, R. & Co., 88 W Washington
Wilmarth, T. W. Co., 261 Wabasn av
Wingrave & McNaughton Co., 180 Wabash av
DECATUR—Faries Mfg. Co. (Adjustable)
ELGIN—Elgin Brass & Electrical Mfg. Co.

INDIANA.

INDIANAPOLIS—Meikel, C. W. Co.
MUNCIE—Retherford Bros.
RICHMOND—Chandelier & Art Brass Works
TERRE HAUTE—Terre Haute Gas Fixture Co.

MARYLAND.

BALTIMORE—Goode & Craft, 509 Jasper
Kries, Michael A., 305 W Lombard
Walther, Geo. W. & Co., 208 W Fayette

MASSACHUSETTS.

BOSTON—Berne, H. N. & Co., 76 Sudbury
Bigelow, Kennard & Co., 511 Washington
Finch, J. H., 90 High
McKenney & Waterbury Co., 181 Franklin
Shreve, Crump & Low Mfg. Co., 16 Randolph
NEW BEDFORD—Pairpoint Corporation
WORCESTER—White, O. C. Co.

MICHIGAN.

COLDWATER—Champion Brass Works
DETROIT—Detroit Gas & Electric Fixture
KALAMAZOO—National Gas Light Co. Co.

MINNESOTA.

MINNEAPOLIS—Andresen, Jacob, 208 S 1st avenue
Frederickson & Hutchinson, 3509 N Penn avenue
Minneapolis Gas Fixture Co., 802 Nicollet avenue
ST. PAUL—Minnesota Chandelier Co., 369 Jackson

MISSOURI.

ST. LOUIS—Bredsvold Mfg. Co., 305 Lucas avenue
Kraushaar Brass Mfg. Co., 2507 N B'way
Lindell Chandelier Mfg. Co., 823 N 6th
St. Louis Brass Mfg. Co., Wash'n & Jefferson avs
Sellner Gas & Electric Fixture Mfg. Co., 703 Locust

NEW JERSEY.

BRIDGETON—Acme Gas Fixture Co.
Crescent Art Metal Co.
CAMDEN—Camden Gas Fixture Works
HOBOKEN—Lutz, Alois M.
JERSEY CITY—Gothberg, H. & E., Mfg. Co., 139 Cator av
N. Y. & N. J. Chandelier Co., 1131 Summit av
NEWARK—Jaehnig Gas Fixture Co., 221 13th av
Newark Gas & Electric Fixture Co., 157 Bruce
Storsberg, Fritz, 20 Atlantic
PATERSON—Strutt, Wm., 849 Main

NEW YORK.

BINGHAMTON—Salo Art Metal Co., 19 Collier
BUFFALO—Art Gas & Electric Fixture Co. 312 Pearl

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Baldinger & Kupferman, 436 B'way
Findlay, Robert Mfg. Co., 349 Adams
Gaites, Peace & Co., 661 Manhattan
Goldberg, Morris, 680 Broadway
Luckett, Frederick, 266 State
Luckett, James, 351 Adams
May, Sylvester, 98 Schermerhorn
Nichols Gas Fixture Mfg. Co., 1100 Myrtle av
Rose & Hastie, 754 Lexington av
Rosen, Morris, 909 Gates av
Royle, Charles, 596 Kent av
Shapiro & Aronson, 26 Morton
Staines, Bunn & Taber Co., 147 Lawrence
Vosburg, W. C. Mfg. Co., 93 Underhill av
Walbroehl & Co., 352 Knickerbocker av
White, J. H. Mfg. Co., 111 N 3d

Boroughs of Manhattan & Bronx.

NEW YORK—Albert Gas Fixture Co, ft E avenue
American Brass & Copper Co., 138 Lafayette av
Barker, Jos. S., 168 Centre
Black & Boyd Mfg. Co., 23 E 22d
Blanchard & Kelly, 157 E 128th
Blatt, S., & Co., 185 Mangin
Bushmiller Co., 90 Lincoln av
Caldwell, Edw. F. & Co., 88 W 15th
Campbell, John Co., 9 Bond
Cassidy & Son Mfg. Co., 135 W 23d
Central Chandelier Co., 413 W B'way
Century Gas & Electric Fixture Co., 180 Grand
Colonial Chandelier Works, 210 Canal
Consolidated Chandelier Co., 281 Bowery
Dale Co., 352 W 13th
Drescher, M., & Co., 106 E 126th
Eisenberg, M., & Son, 165 Grand
Empire Brass Works, 106 E 28th
Empire Gas Fixture Co., 140 Sullivan
Enos Co., 7th av & 16th
Eureka Chandelier Co., 223 Grand
Ideal Gas & Electric Fixture Co., 144 Worth
Iden & Co., 46 University pl
Keystone Gas Fixture Co., 207 E 49th
Lahr & Co., 154 W 27th
McCoy, J. B. & Son, 118 W 30th
Miller, Edw. & Co., 80 Warren
Mitchell-Vance Co., 503 W 24th
New York Pioneer Mfg. Co., 161 Washington
Nolan, Dennis J., 480 Pearl
Ornamental Art Metal Works, 216 W Houston
Pellegrini, A. & Co., 155 W 29th
Plaut, L. & Co. (for the trade only), 432 E 23d
Reading Hardware Co. (Chandeliers), 198 Reade
Roeser & Sommer, 386 2d av
Sterling Bronze Co., 107 W 25th
Tiffany Studios, 347 Madison av
Union Gas Fixture Co., 240 W 27th
Union Gas & Electric Fixture Co., ft E
Union Gas & Electric Fixture Co., ft E
U. S. Gas Fixture Co., 205 Centre
Universal Gas & Electric Fixture Co., 182 W Houston
Wahle-Phillips Co., 549 W 52d
Walsh, Owen Mfg. Co., 80 Barclay
Williams, Jno., 556 W 27th

(End of New York City)

UTICA—Utica Brass Works
Utica Fixture Co.

OHIO.

CINCINNATI—Lavercombe Co., 307 E 5th
CLEVELAND—Central Gas & Electric Fixture Mfg. Co., 805 Vincent av. N E
Gas Fixture & Brass Co., 318 High av S E
Morreau Gas Fixture Mfg. Co., 2047 E 9th, S E
Ohio Gas & Electric Fixture Mfg. Co., 2183 E 2d, S E
COLUMBUS—Federal Mfg. Co. (Combination also)
CONNEAUT—Cleveland Gas & Electric Fixture Co.
TOLEDO—Toledo Chandelier Mfg. Co.
Western Gas Fixture Co., 611 St. Clair
TROY—Metallic Novelty Co.

PENNSYLVANIA.

PHILADELPHIA—*Bauer Gas Fixture Wks (Inc.), 450 N 12th
Columbia Gas Fixture Co., 148 N 4th
Frankford Gas Fixture Co., 4270 Frankford
Gibson Gas Fixture Works, 1426 Callowhill
Giese Mfg. Co., 260 S 5th
Grell Gas Fixture Works, 330 Noble
Heller, C. B., 622 Arch
Horn & Brannen Mfg. Co. (Inc.), 427 N Broad
Lawrence Gas Fixture Mfg. Co., 12th c Cherry
Lloyd-Garrett Co., 141 S 15th
Modern Gas Fixture Co., 116 N 6th
Penna. Gas Fixture Co., 1824 Cadwallader
Reliance Mfg. Co., 104 N 6th
Sterling Bronze Co., 1513 Walnut
Warner Co., 229 N 6th
Sulser & Co., 821 Cherry
PITTSBURG—Frederick-Elder Co., 422 1st avenue
Pittsburg Gas & Electric Fixture Co., 428 Penn av
READING — Reading Hardware Co. (Chandeliers)

RHODE ISLAND.

PROVIDENCE—Carpenter, H. T. & Co.
Shirley, Jno. R. & Sons

WISCONSIN.

MILWAUKEE—Polachek, Chas. & Bros. Co.

Gas & Electric Light Portables

Bradley & Hubbard Mfg. Co., Meriden, Conn.
Economy Electric & Gas Fixture Co., 51 Cliff, New York
Excelsior Brass Works, Reading, Pa.
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Gale-Webb Mfg. Co. (Adjustable), Buffalo, N. Y.
Goodwin & Kintz Co. (Gas), Winsted, Conn.
Kraushaar Brass Mfg. Co. (Adjustable, also Newels or Portables), St. Louis, Mo.
Miller, Edw. & Co., Meriden, Conn. & 28 W. B'way, New York
Moore, M. E. Bronze & Plate Co., Kingston, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rose & Hastie, 754 Lexington av, B'klyn, N. Y.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Gas & Gasoline Engines

(See Engines, Gas & Gasoline)

Gas & Water Works Supplies

(See also Cast Iron Pipe Manufacturers, Gas & Water; also Valves, Gate for Water Mains)

Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barnes Mfg. Co., Mansfield, O.
Behringer, Edward A. (General Supplies for Gas Works), 82 Warren, New York
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Drummond, M. J. & Co., 182 B'way, New York
Fitts, Frank E. Mfg. Co. & Supply Co., 88 Purchase, Boston, Mass.
Fox, Jno. & Co. (Mfrs.' Agts.), 253 B'way, New York
Gilchrist, Geo. E. Co., 106 High, Boston, Mass.
Hawkins, F. B. Co., Long Island City, N. Y.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
McMANN & TAYLOR CO., 104 John, New York. (See adv. index, end of book)
Miller, Chas. & Son Co., 127 Genessee, Utica, N. Y.
Moser Mfg. Co., Dallas, Tex.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
Roots, P. H. & F. M. Co., Connersville, Ind.
Smith, A. P. Mfg. Co., Newark, N. J.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Western Iron Works, San Francisco, Cal.

*Gaskets (Ammonia Fitting)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th. New York. (See adv. index, end of book)

Gaskets (Asbestos)

(For All Other Non-Metallic Gaskets, See Gaskets, Gum, Fibrous, etc.; also Fibre Manufacturers, Hard; also Packing Manufacturers; also Packing, Metallic)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th. New York. (See adv. index, end of book)
Federal Asbestos Mfg. Co., Alliance, O.
Goodwin & Kintz Co. (Asbestos & Copper), Winsted, Conn.
Johns, H. W. Manville Co., 100 William, New York
JOHNS-PRATT CO., THE ("Vulcabeston"), Hartford, Conn.

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Keasbey & Mattison Co., Ambler, Pa.
New Jersey Asbestos Co. (Asbestos & Copper Combined), Camden, N. Y.
Oil City Asbestos Co., Oil City, Pa.
STRONG MACHINERY & SUPPLY CO. ("Strong's" Tisafine), 48 Franklin, New York. (See adv. index, end of book)
WATSON, H. F. CO. (Asbestos & Rubber Cloth, Metallic), Erie, Pa. (See adv. index & branch offices, end of book)

Gaskets (Asbestos-Metallic)

(See Gaskets, Metallic, With the Words Asbestos-Metallic Following Their Name)

*Gaskets (Automobile)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th, New York. (See adv. index, end of book)
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)

Gaskets (Copper)

(See Gaskets, Metallic)

Gaskets (Corrugated Copper)

(See Gaskets, Metallic)

Gaskets (Gum, Fibrous, Etc.)

(See also Gaskets, Asbestos: also Gaskets, Metallic, Etc.)

Bay State Belting Co. (Rubber), Boston, Mass.
Bishop Gutta Percha Co., 422 E 25th, New York
BOSTON BELTING CO. (Rubber), Boston, Mass. (See adv. index & branch offices, end of book)
Brandt, Randolph (Combination Rubber & Heavy Duck, High Pressure), 70 Cortlandt, New York
Burgmann, Feodor, 5 Beekman, New York
Canfield, H. O. Co. (Rubber), Bridgeport, Conn.
Continental Rubber Works (Rubber), Erie, Pa.
Crane Co (Est. 1855), 519 Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
DIAMOND RUBBER CO. (Rubber), Akron, O. (See adv. index & branch offices, end of book)
Empire Rubber Mfg. Co. (Rubber), Trenton, N. J.
Garlock Packing Co., Palmyra, N. Y.
Goodrich, B. F. Co. (Rubber), Akron, O.
Greenwood Mfg. & Supply Co. (Fireproof), Boston, Mass.
Gutta Percha & Rubber Co. (Rubber), 126 Duane, New York
Hamilton Rubber Mfg. Co. (Rubber), Trenton, N. J.
Hartford Rubber Works Co. (Rubber), Hartford, Conn.
Hodgman Rubber Co. (Rubber), 806 B'way, New York
Home Rubber Co. (Rubber), Trenton, N. J.
Jenkins Bros., 71 John, New York
Knowlton, Geo. W. Rubber Co. (Rubber), Boston, Mass.
Libby Valve & Packing Co., Niantic, Conn.
Manhattan Rubber Mfg. Co. (Rubber), 18 Vesey, New York
Mechanical Rubber Co. (Rubber), 73 Reade, New York
Milford Rubber Works (Rubber), Milford, Ill.
Mineralized Rubber Co. (Rubber), 18 Cliff New York
Morgan & Wright ("White Seal," Tubular Asbestos Covered, Tubular Rubber), Detroit, Mich.
National India Rubber Co. (Rubber), Bristol, R. I.
New Jersey Car Spring & Rubber Co. (Rubber), Jersey City, N. J.
New York Belting & Packing Co. (Rubber), 91 Chambers, New York
New York Insulated Wire Co. (Lighting Non-Tubular Brand), 114 Liberty, New York
New York Rubber Co. (Rubber), 84 Reade, New York
Peerless Rubber Mfg. Co. (Rubber), 16 Warren, New York
PENNSYLVANIA RUBBER CO. ("Century," Wire Insertion, Cloth Insertion, Fibrous, Safe, Tubular, Screen Diaphragm, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
Pulver, Peter & Sons (Eclipse), 214 Franklin, New York
Quaker City Rubber Co. (Rubber), 629 Market, Phila., Pa.
Republic Rubber Co. (Rubber), Youngstown, O.
Revere Rubber Co. (Rubber), Boston, Mass.
SAYEN, OSGOOD ("Torpedo"), Arcade bldg., Phila. Pa. (See adv. index, end of book)
Sherman, H. B. Mfg. Co. (Rubber), Battle Creek, Mich
SIMMONS, JOHN CO. (All Kinds), 106 Centre, New York. (See adv. index, end of book)
Stokes, Jos. Rubber Co. (Rubber), Trenton, N. J.
STRONG MACHINERY & SUPPLY CO. ("Strong's Tisafine"), 48 Franklin, New York. (See adv. index, end of book)
Trenton Rubber Mfg. Co. (Rubber), Trenton, N. J.
United & Globe Rubber Mfg. Co. (Rubber), Trenton, N. J.
Voorhees Rubber Mfg. Co. ("Nublan" Tubular, Rubber), Jersey City, N. J.
Walsh Packing Co. (Combination), 304 New, Phila., Pa.
Waterbury Rubber Mfg. Co. (Rubber), 75 Warren, New York
Western Rubber Works, Goshen, Ind.
Whitehead Bros. Rubber Co. (Rubber), Trenton, N. J.
Wilcox, E. H. Mfg. Co. (Self Sealing), 260 63d. Chicago, Ill.

*Gaskets (Hard Fibre)

(See also Fibre, Hard)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

Gaskets (Lead)

Akron Metallic Gasket Co. (& Soft Metal), Akron, O.
AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's" & Alloys), 532 E 149th, New York. (See adv. index, end of book)
PHOENIX SPECIALTY MFG. CO. (Lead Moulded), 48 Duane, New York. (See adv. index, end of book)
U. S. Indestructible Gasket Co. (& Alloys), 50 Church, New York
Wilcox, E. A., Mfg. Co. (Manhole), 260 E 63d, Chicago, Ill.
Windsor Mfg. Co., Milwaukee, Wis.

Gaskets (Leather)

Graton & Knight Mfg. Co., Worcester, Mass.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

*Gaskets (Manhole & Handhole for Boilers)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th, New York. (See adv. index, end of book)

*Gaskets ("Merwarth")

PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

Gaskets (Metallic)

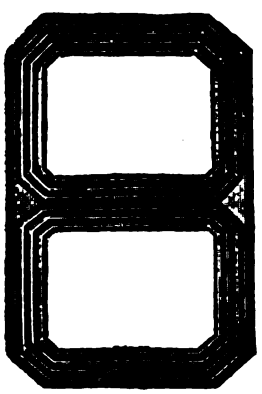
(For Rubber Gaskets, see Gaskets, Gum, Fibrous, Etc.; also Gaskets, Asbestos, Etc.; for Fibre Gaskets, see Fibre Manufacturers, Hard)

Akron Metallic Gasket Co. ("Infalliable," "Double Akron"), Akron, O.
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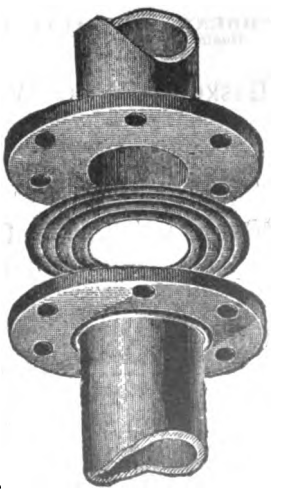
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PHOENIX SPECIALTY MFG. CO. ("Merwarth," Corrugated, Asbestos, Metallic, etc.), 48 Duane, New York. (See adv. Index, end of book)
Power Specialty Co. ("Bronze"), 111 B'way, New York
SIMMONS, JOHN CO. (All Kinds), 106 Centre, New York. (See adv. Index, end of book)
SMOOTH-ON MFG. CO. (Corrugated Iron), 572 Communipaw av, Jersey City, N. J. (See adv. Index & branch offices, end of book)
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U. S. MINERAL WOOL CO. (Corrugated), 140 Cedar, New York). (See adv. Index, end of book)
Wilcox, E. A. Mfg. Co. ("Wilcox," Self-Sealing), 260 E 63d, Chicago, Ill.

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PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. Index, end of book)

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Vellumoid Paper Co., Worcester, Mass.

Gaskets (Rubber)

(See Gaskets, Gum, Fibrous, Etc.)

*Gaskets ("Smooth-On" Corrugated Iron)

SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. Index & branch offices, end of book)

Gaskets (Steel Corrugated)

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PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. Index, end of book)
SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. Index & branch offices, end of book)
U. S. Indestructible Gasket Co., 50 Church, New York

*Gaskets (Valve)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze's"), 532 E 149th, New York. (See adv. Index, end of book)

*Gaskets ("Vulcabeston")

JOHNS-PRATT CO., THE, Hartford, Conn.

*Gaskets (Wire)

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INDIAN REFINING CO. (Automobile, Stove, etc.), Cincinnati, O. (See adv. Index, end of book)
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Paragon Refining Co., Toledo, O.
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*Gate Mfrs. (Folding)

PITT, WM. R. COMPOSITE IRON Works ("Pitt," "Bostwick," "Novelty" & "Composite" Patents), 136 W. 24th, New York. (See adv. Index, end of book)

Gates (Automatic Drive)

Cargill Mfg. Co. ("Byerly,"), Buttles av, Columbus, O

Gates (Blast)

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Empire Blower & Pipe Co., Rochester, N. Y.
HILL & GRIFFITH CO., Cincinnati, O (See adv. Index, end of book)
New York Blower Co., 25th pl & Stewart av Chicago Ill.: Works: Bucyrus, O.
Star Forge Co., Buffalo, N. Y.
Sturtevant, B. F. Co., Hyde Park, Mass.

Gates (Bridge)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
PITT, WM. R. COMPOSITE IRON Works ("Pitt," Patent Folding), 136 W. 24th, New York. (See adv. Index, end of book)

Gates (Bronze)

Barnum, E. T., Wire & Iron Works, 82 Washington av, Detroit, Mich.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. Index, end of book)
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. Index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Buffalo Wire Works Co., Buffalo, N. Y.
Burkhardt, John, 614 W 55th, New York
CABARET, PAUL E. & CO., 342 W 14th, New York. (See adv. Index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. Index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. Index, end of book)
Gaumer, John L. & Co., 22d & Wood, Philadelphia, Pa.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. Index, end of book)
HALSTED, JOS. CO., 388 W. Randolph, Chicago, Ill. (See adv. Index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., Mount Vernon, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. Index, end of book)
Manhattan Brass Co., 334 E 28th, New York
MEYERS, FRED, J. MFG. CO., Hamilton, O. (See adv. Index, end of book)
Mott, J. L. Iron Works, 118 5th av.- New York
PITT, WM. R. COMPOSITE IRON Works, 136 W. 24th, New York. (See adv. Index, end of book)
Richey, Browne & Donald, Maspeth, Borough of Queens, New York City
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SNEAD & CO. IRON WORKS, Jersey City, N. J. (See adv. Index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5037-5049 Butler, Pittsburg, Pa. (See adv. Index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. Index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. Index & branch offices, end of book)

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Union Equipment and Bronze Co., 1901 Park av, cor 129th st, New York
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Wells Architectural Iron Co., 219-221 E. 144th, New York
Williams, John, 550 W 27th, New York
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W. Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS. 100 E. Water, Milwaukee, Wis. (See adv. index, end of book)

*Gates (Bronze & Iron)

BOLLES, J. E. IRON & WIRE WORKS. Detroit, Mich. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, Ohio. (See adv. index & branch offices, end of book)

Gates (Car)

Brill, J. G. Co. ("Brill". Folding), 62d & Woodland av, Phila., Pa.
Jewett Car Co. ("Jewett"), Newark, O.

Gates (Coal Pocket)

Stuebner, G. L. Iron Works, 12th & Vernon av, Long Island City, N. Y.
Union Iron Works Hoboken, N. J.

Gates (Driveway & Entrance)

ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
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Belmont Iron Works, 22d & Wash'n av, Phila., Pa.
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CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher Prop.), Dayton, O
Dow Wire & Iron Works, Louisville, Ky.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
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JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York. (See adv. index, end of book)
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WINSLOW BROS. COMPANY, Main office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Gates (Expansion)

VAN DORN IRON WORKS CO., 2885 N 79th, Cleveland, O. (See adv. index, end of book)

Gates (Farm & Railroad)

Adams Steel & Wire Works, Joliet, Ill.
American Cable Fence Co., Pekin, Ill.
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Cargill Mfg. Co., Buttles av, Columbus, O.
Fetzer & Co. (Farm, Park or Cemetery, Automatic Self-Opening), Springfield, Ill.
Kokomo Fence Machine Co. (Steel), Kokomo, Ind.
Myers, Chas. H. & Co., Le Roy, Ill.
Sheer, Eugene ("Uncle Sam," Automatic,) Lincoln, Ill.
Western Steel & Iron Works (Steel), De Pere, Wis.

*Gates (Ferry Boat)

PITT, WM. R. COMPOSITE IRON Works ("Pitt," Patent Folding), 136-138 W. 24th, New York. (See adv. index, end of book)

Gates (Folding)

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Belmont Iron Works (Steel), 22d & Wash'n av., Philadelphia, Pa.
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California Artistic Metal & Wire Co., 539 Mission, San Francisco, Cal.
City Forge & Iron Works (Andrew Plocher Prop.), Dayton, O
COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)
ESTEY BROS. CO., Liberty & Greenwich New York. (See adv. index, end of book)
MERRITT & CO., Front & Arch, Camden, N J. (See adv. index, end of book)
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PITT, WM. R. COMPOSITE IRON Works ("Pitt-Bostwick"), 136 W. 24th, New York. (See adv. index, end of book)
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Gates (Molasses)

Cheney, S. & Son, Manlius, N. Y.
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Hendy, Joshua Iron Works, San Francisco, Cal.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co., Cudahy, Wis.
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Wellman-Seaver-Morgan Co. ("Seaver"), Cleveland, O.

Gates (Ornamental Iron)

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Belmont Iron Works, 2215 Wash'n av, Phila., Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
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Buffalo Wire Works Co., Buffalo, N. Y.
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CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Chesapeake Iron W'ks, Bush & B. & O. R. R., Baltimore, Md.
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Kleeman, Trotter & Co., Kansas City, Mo.
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McKinney, Jas. & Son, 925 B'way, Albany
Mack Iron Works Co., Sandusky, O. N. Y.
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Prince Iron Works, 553 W 33d, New York
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WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Gates (Ornamental Wire)

MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)

Gates (Railway Crossing)

(See also Signals, Railway Crossing)

Buda Foundry & Machine Co. ("Bouge" & "Mills" System Interlocked, Pneumatic, etc.), Railway Exchange bldg, Chicago, Ill.
Works, Harvey, Ill.
Climax Stock Guard Co. ("Climax," Cable Truss & Adjustable), Canton, O.
General Railway Signal Co., Rochester, N. Y.
Pneumatic Gate Co. ("Elliot" Pneumatic), 950 S Fairfield av, Chicago, Ill.
Wilson Railway Gate Co., Birmingham, Mich.

Gates (Sluice)

Bourbon Copper & Brass Works, 618 E. Front, Cincinnati, O.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co. (Also Pivot), Newburgh, New York
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Dimmick Pipe Co., Birmingham, Ala.
Eddy Valve Co., Waterford, N. Y.
Fox, Jno. & Co., 253 B'way, New York
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Kennedy Valve Mfg. Co., 57 Beekman, N. Y.
Ludlow Valve Mfg. Co., Troy, N. Y.
McMANN & TAYLOR CO., 104 John, New York. (See adv. index, end of book)
MERRITT & CO. (Pneumatic), Front & Arch, Camden, N. J. (See adv. index, end of book)
Pelton Water Wheel Co., San Francisco, Cal., & 90 West, New York
Vulcan Iron Works, Chicago, Ill.
Wood, R. D. & Co. (Intake & Screens), 400 Chestnut, Philadelphia, Pa

Gates (Steel Picket)

(See Fences, Iron & Steel Picket)

*Gates (Storage Bin)

RANSOME CONCRETE MACHINERY Co. (For Sand, Stone & Concrete), Dunellen, N. J. (See adv. index & branch offices, end of book)

Gauge Cocks

(See Cocks, Gauge)

Gauge Glass Preservers

Morse, R. F. ("Gilbert's" Self Packing), Providence, R. I.

Gauge Glass Protectors

Standard Brass & Iron Works ("Leonhardt"), Milwaukee, Wis.

*Gauge Glass Rubber

DIAMOND RUBBER CO. (Washers, etc.), Akron, O. (See adv. index, end of book)

Gauge Glass Washers

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 160 Reade, New York. (See adv. index & branch offices, end of book)
Canfield, H. O. Co., Bridgeport, Conn.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Cleveland Rubber Works, Cleveland, O.
Continental Rubber Works ("Continental," "Tribune," "Liberty"), Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Electric Hose & Rubber Co., Wilmington, Del.
Empire Rubber Mfg. Co., Trenton, N. J.
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, Home Rubber Co., Trenton, N. J. New York
Jenkins Bros., 71 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York
Morgan & Wright (Inc.), Detroit, Mich.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
New York Rubber Co., New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., Boston, Mass.
Stokes, Jos. Rubber Co., Trenton, N. J.
ROGERS, H. A. CO. ("Perfected"), 19 John New York. (See adv. index, end of book)
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

Gauge Glasses

American Steam Gauge & Valve Mfg. Co., Boston, Mass.
Ashcroft Mfg. Co., 85 Liberty, New York
Bache, Semon & Co. ("Maltese Cross"), West & Hubert, New York
Belfeld, H. & Co., 435 N Broad, Philadelphia, Pa.
Crane Co. (Est. of), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Chesterton, A. W. & Co. ("McGregor"), 64 India, Boston, Mass.
Crosby Steam Gage & Valve Co. (Invincible), 95 Oliver, Boston, Mass.
Jerguson Mfg. Co., 221 Columbus av, Boston, Mass.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Keating, Edw. F. Co. ("Montroe"), 446 Water, New York
Lonergan, J. E. & Co. ("Thistle"), 211 Race, Philadelphia, Pa.
Lovell, F. H. Co. ("Bishop's"), Arlington, N. J.
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of
Powell, Wm. Co., Cincinnati, O. book)
ROGERS, H. A. CO. (Moncrieff "Perth," Moncrieff "Unific," Moncrieff "Red Line," Moncrieff "Scotch"), 19 John, New York. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co. (Compound & Durax of Composite Glass), 968 Kent av, Brooklyn, N. Y.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Gauge Glasses (Scotch)

Belfield, H. & Co., 435 N Broad, Phila., Pa.
Hall Mfg. Co., John & Cliff, New York
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
PATTERSON, GOTTFRIED & HUNter (Ltd.) ("Invincible"), 211 Center, New
Powell, Wm. Co., Cincinnati, O. York
ROGERS, H. A. CO. ("Moncrieff"), 19 John, New York. (See adv. index, end of book)

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Gauge Testing Apparatus

CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass. (See adv. dex & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Gauges (Air Brake)

(See Gauges, Steam)

Gauges (Alarm)

Ashcroft Mfg. Co., The ("Edson"), 85 Liberty, New York
BRISTOL CO. ("Bristol's" Recording & Alarm), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Du Vivier, Ernest H., 30 Church, New York
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
National Fire Appliance Co., 161 Franklin, Boston, Mass.
U. S. Gauge Co. (High & Low Pressure Electric), 67 Wall, New York

Gauges (Altitude)

(See Gauges, Steam)

Gauges (Ammonia)

(See Gauges, Steam)

*Gauges (Ammonia Recording)

BRISTOL CO. ("Bristol's"), Waterbury, Conn. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, B'klyn, N. Y. (See adv. index, end of book)

Gauges (Automobile)

Ashcroft Mfg. Co., 85 Liberty, New York
CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Gauges (Axle)

Badger State Machine Co. ("Wills" Automatic), Janesville, Wis

Gauges (Bar Iron Limit)

(See Gauges, Limit)

Gauges (Barrel)

Hydraulic Press Mfg. Co., Mount Gilead, O.

Gauges (Battery)

(See Ammeters & Voltmeters)

Gauges (Bit)

Bonney Vise & Tool Works (Inc.), Allentown, Pa.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Stearns, E. C. & Co. (Bit Gauge), Syracuse, N. Y.

Gauges (Blast)

(See Gauges, Steam)

Gauges (Boiler Plate)

(See Gauges, Rolling Mill)

*Gauges (Bolt & Pipe)

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Gauges (Bourdon Pressure)

(See Gauges, Steam)

Gauges (Butt)

Mayhew, H. H. Co. (Butt Gauge & Try Square Combined), Shelbourne Falls, Mass.
Stearns, E. C. & Co. (Bit Gauge), Syracuse, N. Y.

Gauges (Caliper)

Billings & Spencer Co. (Pocket, etc.,) Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 138 4th av, New York. (See adv. index, end of book)
MORSE TWIST DRILL & MACHINE Co. (Adjustable), New Bedford, Mass. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
Rogers, Jno. M. Works, Gloucester City, N. J.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Slocomb, J. T. Co., Providence, R. I.
Smith, E. G. Co. ("Columbia"), Columbia, Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Carpenters')

Caldwell Mfg. Co. ("Handy" Rule Gauge), 8 Jones, Rochester, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn.
Gage Tool Co., Vineland, N. J.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co. (Roller, Single, Double & Triple Beam), Greenfield, Mass.
Mack & Co., Rochester, N. Y.
Sandusky Tool Co., Sandusky, O.
Stanley Rule & Level Co., New Britain, Conn.
Winsted Edge Tool Works, Winsted, Conn.

Gauges (Car Wheel, Circumference)

Pratt & Whitney Co., Hartford, Conn.

Gauges (Center)

Athol Machine Co., Athol, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Gauges (Chamferer)

Swan, James Co. ("Swan's" Drawing Knife), Seymour, Conn.

Gauges (Compression)

Ashton Valve Co., 271 Franklin, Boston, Mass.
BRISTOL CO., Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Du Vivier, Ernest H., 30 Church, New York
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Gauges (Concave & Convex)

Diamond Power Specialty Co. ("Diamond"), Detroit, Mich.
Smith, Ernest G. Co. ("Columbia"), Columbia, Pa.

Gauges (Cylindrical)

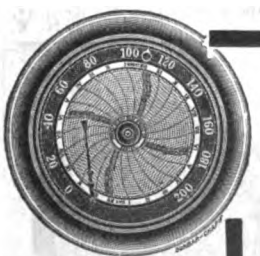
Brown & Sharpe Mfg. Co., Providence, R. I.
Rogers, Jno. M. Works, Gloucester City, N. J.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Depth)

Billings & Spencer Co. ("Billings'" Quick Adjustment), Hartford, Conn.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Swan, James, Co. ("Swan's"), Seymour, Conn.

Gauges (Draft)

Ellison, Lewis M. ("Ellison," Differential), 6238 Princeton av, Chicago, Ill.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Sargent Steam Meter Co. ("Sargent," for Pressure or Vacuum), 803 Dearborn, Chicago, Ill.
Schaeffer & Budenberg Mfg. Co. (Differential, "Carpenter's" System, also Water Columns), 963 Kent av, Brooklyn, N. Y.
Tagliabue, Chas. J. Mfg. Co., 51 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.
Uehling Instrument Co., Passaic, N. J.



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Gauges (Draft Recording)

BRISTOL CO. ("Bristol's"), Waterbury, Conn. (See adv. index & branch offices, end of book)
Uehling Instrument Co., Passaic, N. J.

Gauges (Dynamo & Motor Oil)

American Lubricator Co. ("American"), Detroit, Mich.
LUNKENHEIMER CO. ("Triplex"), Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index, end of book)
Michigan Lubricator Co. ("Michigan"), Detroit, Mich.

*Gauges (Electric)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)

*Gauges (Electrically Operated)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Gauges (Expansion Tank)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Gauges (Gas)

(See Gauges, Gas Retort)

Gauges (Gasoline)

(See Indicators, Fuel Level)

Gauges (Gas Recording Pressure)

American Meter Co. ("Kings"), 501 W 47th, New York
Ashcroft Mfg. Co. ("Edson"), 85 Liberty, New York
BRISTOL CO. ("Bristol's"), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Du Vivier, Ernest H., 30 Church, New York
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, B'klyn, N. Y. (See adv. index, end of book)
Phoenix Meter Co., Camden, N. J.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book
PITTSBURG METER CO. (Pressure & Volume), East Pittsburg, Pa.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Uehling Instrument Co., Passaic, N. J.

Gauges (Gas Retort)

MORSE THERMO GAGE CO., Ithaca, N. Y. (See adv. index, end of book)
Taylor Instrument Co., Rochester, N. Y.

Gauges (Gear)

Boston Gear Works (Steel Gear Gauges for Testing Depth of Gear Teeth, etc.), Norfolk Downs, Mass.

*Gauges (Hydraulic Recording)

(See also Gauges, Water)

BRISTOL CO. ("Bristol's"), Waterbury, Conn. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, B'klyn, N. Y. (See adv. index end of book)

Gauges (Inspectors')

Ashcroft Mfg Co., 85 Liberty, New York
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, B'klyn, N. Y. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
STARRETT, L. S. CO. (For Steel Plates etc.), Athol, Mass. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Jointed)

Millers Falls Co. ("Perfection"), 28 Warren New York; Works: Millers Falls, Mass

Gauges (Keyseat or Splining)

Wyke, Jno. & Co., 808 Saratoga, E. B., Boston Mass

Gauges (Limit)

Brown & Sharpe Mfg. Co., Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.
Rogers, Jno. H. Works, Gloucester City, N. J.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Locomotive)

(See Gauges, Steam)

Gauges (Loss of Head & Rate of Flow)

Simplex Valve & Meter Co., 112 N Broad, Phila., Pa.

Gauges (Lumber)

Filer & Stowell Co., Milwaukee, Wis.
Lufkin Rule Co., Saginaw, Mich.

Gauges (Marking)

Chapin-Stephens Co., Pine Meadow, Conn.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Leavitt Machine Co. ("Barrett"), Orange, Mass.
Mack & Co., Rochester, N. Y.
Sandusky Tool Co., Sandusky, O.
Stanley Rule & Level Co., New Britain, Conn.

Gauges (Measuring)

Gronquist Drill Chuck Co. ("Johansson"), Jersey City, N. J.

Gauges (Mercury)

Aztec Mfg. Co. ("Spencer & Fisher"), San Francisco, Cal.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO. (Vacuum), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.



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Brown & Sharpe Mfg. Co., Providence, R. I.
Haines Gauge Co. (Automatic), Provident bldg Philadelphia, Pa
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Schellenbach-Hunt Tool Co. ("Universal"), Cincinnati, O.
Slocomb, J. T. Co., 20 Oxford, Providence, R. I
Smith, E. G. Co. ("Columbia" Screw, etc.), Columbia, Pa
STARRETT, L. S., CO., Athol, Mass. (See adv. index & branch offices, end of book)
WELLS BROS CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Mine Water)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)
Everhart Brass Works (For Showing Pressure of Air in Mines) Scranton, Pa

*Gauges (Paper)

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Gauges (Petrol Depth)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book
Schaeffer & Budenberg Mfg. Co. ("Murdoch," for Motor Cars), 903 Kent av, Brooklyn, N. Y.

Gauges (Plug & Ring)

Brown & Sharpe Mfg. Co., Providence, R. I.
Clough, R. M., Tolland, Conn.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index end of book)
Pratt & Whitney Co., Hartford, Conn.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

*Gauges (Plumbers')

BERNZ, OTTO (Testing), S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)

Gauges (Rain)

International Instrument Co. ("Ferguson"), 23 Church, Cambridge, Mass.
Tagliabue, Chas. J. Mfg. Co., 51 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.

Gauges (Recording Pressure)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass
Ashcroft Mfg. Co. ("Edson"), 85 Liberty, New York
Ashton Valve Co., 271 Franklin, Boston, Mass.
BRISTOL CO. ("Bristol's"), Waterbury, Conn., & 144 Liberty, New York. (See adv. index & branch offices, end of book)
Cleveland Steam Gauge Co., 1619 Mervin, N. W., Cleveland, O.
CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th Brooklyn, N. Y. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Quimby Engineering Co. ("U. S. Standard" Mercury), 911 Ridge av, Phila. Pa
Schaeffer & Budenberg Mfg. Co. ("Metropolitan," "Columbia," "Perfect," "Continuous"), 903 Kent av, Brooklyn, N. Y.
Sherwood Mfg. Co., Buffalo, N. Y.
Uehling Instrument Co., Passaic, N. J.

*Gauges (Recording Tide)

BRISTOL CO., Waterbury, Conn., & 114 Liberty, N. Y. (See adv. index, & branch offices, end of book)

Gauges (Recording Vacuum)

BRISTOL CO. ("Bristol's"), Waterbury, Conn., & 117 Liberty, New York. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av. Pittsburgh, Pa. (See adv. index, end of book)
Uehling Instrument Co., Passaic, N. J.

Gauges (Revolution Recording)

Uehling Instrument Co., Passaic, N. J.

Gauges (Rolling Mill)

Brown & Sharpe Mfg. Co., Providence, R. I.

Gauges (Rule)

Miller, A. W., Mfg. Co. ("Howell" Nevada bldg, Cincinnati, O.

Gauges (Saw)

Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind
Disston, Henry & Sons (Inc.), Tacony, Phila.
Hoe, R. & Co., 504 Grand, New York Pa
Kilborn & Bishop Co., ("The Champion Forged"), 81 Lloyd, New Haven, Conn
Prouty, C. & Co., Eldred, Pa.
Robinson, J. J., Bloomsburg, Pa.
Seymour & Whitlock, 43 Lawrence, Newark
Simonds Mfg. Co., Fitchburg, Mass. N. J.
Smith, H. B. Machine Co., Smithville, N. J.

Gauges (Scratch)

Billings & Spencer Co. ("Billings" With & Without Screw Attachment), Hartford, Goodell-Pratt Co., Greenfield, Mass. Conn.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Welch, T. F. & Co., 65 Sudbury, Boston

Gauges (Screw Pitch)

Athol Machine Co. ("Boss," etc.), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Massachusetts Tool Co., Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Smith, E. G., Co., Columbia, Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Sheet Metal)

Brown & Sharpe Mfg. Co., Providence, R. I.
Pratt & Whitney Co. (Decimal), Hartford, Conn.

Gauges (Sheet Rubber Measuring)

Hoggson & Pettis Mfg. Co., New Haven, Conn.

Gauges (Snap)

Billings & Spencer Co., Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

*Gauges (Stair)

STARRETT, L. S. CO. (for Carpenters, etc.), Athol, Mass. (See adv. index & branch offices, end of book)

Gauges (Steam)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co., 85 Liberty, New York
Ashton Valve Co., 271 Franklin, Boston, Mass.
Aztec Mfg. Co. ("Spencer & Fisher"), San Francisco, Cal.
Belfield, H. & Co., 435 N Broad, Philadelphia, Pa.
Bogardus, H. A., & Co. (Vacuum Pressure), 178 Huron, Chicago, Ill.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Cleveland Steam Gauge Co., 1619 Merwin, N W. Cleveland, O.

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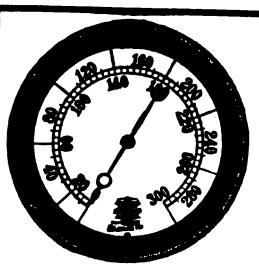
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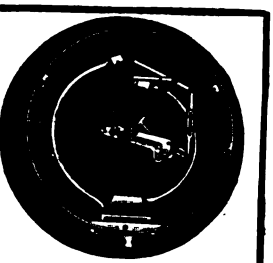
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Marsh, Jas. P. & Co., 224 Washington, Chicago, Ill.
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National Steam Specialty Co. ("National"), 230 E Washington, Chicago, Ill.
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Williams, D. T., Valve Co., 410 E 8th, Cincinnati, O.
Wright Mfg. Co., Detroit, Mich.
Zaubitz, August, 95 Cliff, New York

Gauges (Surface)

Billings & Spencer Co., Hartford, Conn.
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HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hoggson & Pettis Mfg. Co. ("Carr's"), New Haven, Conn.
Massachusetts Tool Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Fitchburg Mass.
Shellenbach-Hunt Tool Co. ("Universal"), Cincinnati, O.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Wyke, John & Co. (Combination), 898 Saratoga, E. B., Boston, Mass.

Gauges (Syphon)

(See Gauges, Steam)

Gauges (Tank Acid Metal)

Eastwood Wire Mfg. Co., Belleville, N. J.

*Gauges (Temperature Regulating)

MORSE THERMO GAGE CO., Ithaca, New York. (See adv., index, end of book)

Gauges (Test)

(See Gauges, Steam)

Gauges (Test Pocket)

Ashton Valve Co., 271 Franklin, Boston, Mass.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

Gauges (Thickness)

Brown & Sharpe Mfg. Co., Providence, R. I.
Schaeffer & Budenberg Mfg. Co., 963 Kent av., Brooklyn, N. Y.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Gauges (Thread)

Brown & Sharpe Mfg. Co. ("Acme" Steel Thread), Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Gauges (Tie Plate)

Buda Foundry & Mfg. Co. ("Ware"), Railway Exchange bldg, Chicago, Ill.

Gauges (Track)

Buda Foundry & Mfg. Co. ("Huntington," "Caffrey-Huntington" & "McManus" Combined Track Gauge & Lever), Railway Exchange bldg, Chicago, Ill.
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Fox Bros. & Co., 126 Lafayette, New York
Handlan-Buck Mfg. Co., 212 N 3d, St. Louis, Mo.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lovejoy Tool Works ("Huntington," also Standard Insulated), 86 E Ohio, Chicago, Ill.
Pittsburg Tool & Drop Forge Co., Chesswick, Pa.
Sheffield Car Co. ("The McHenry"), Three Rivers, Mich.
Verona Tool Works, Murtland bldg, Pittsburg, Pa., & Verona, Pa.

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Standard Tool Co., Central av & P. Ry., Cleveland O.

Gauges (Unison Telemetric Pressure)

Connelly Iron Sponge & Governor Co., 50 Church, New York

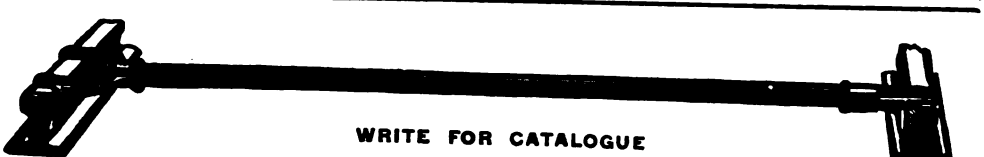
Gauges (Universal Screw Cutting)

Billings & Spencer Co., Hartford, Conn.
Cincinnati Tool Co., Cincinnati, O.
Coffin & Leighton, Syracuse, N. Y.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
Smith, E. G., Columbia, Pa.
Smith, Otis A. (Countersunk and Depth), Rockfall, Conn.
Standard Tool Co., Cleveland, O.
Wyke, John & Co., 898 Saratoga, E. B., Boston, Mass.

Gauges (Urn)

Haydenville Co., Haydenville, Mass.
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv index, end of book)

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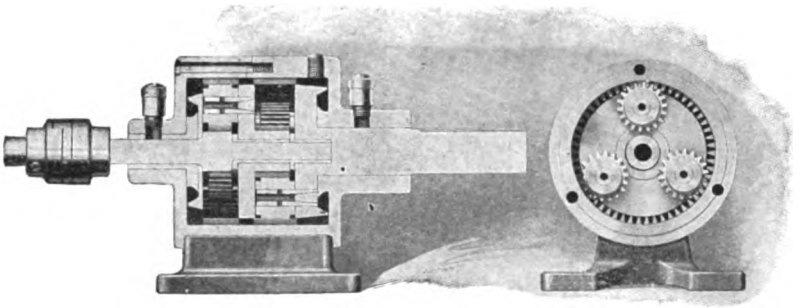


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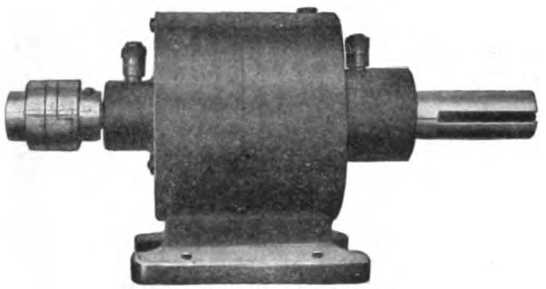
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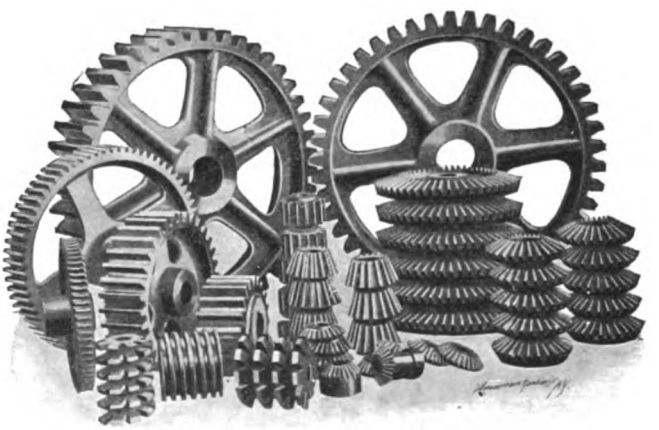
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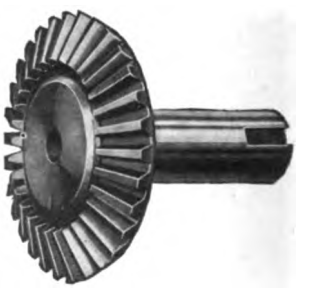


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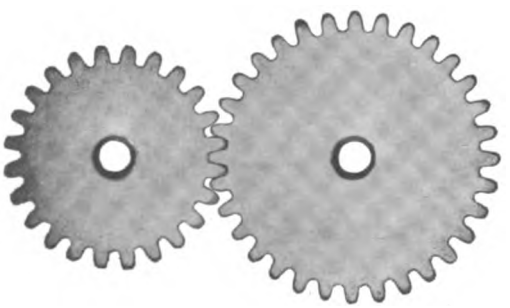
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Ashcroft Mfg. Co. (Pressure Self-Closing "Keyser" Automatic), 85 Liberty, New York
Ashton Valve Co., 271 Franklin, Boston, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
BRISTOL CO. ("Bristol's" Water Level), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Buckeye Iron & Brass Works, Dayton, O.
Canton Brass Co., Canton, O.
Cleveland Steam Gauge Co., Cleveland, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Detroit Brass Works, Detroit, Mich.
Detroit Lubricator Co. (Expansion Tank), Detroit, Mich.
Farnan Brass Works (Safety), Cleveland, O.
Gregory, G. M., 214 Front, New York
Haydenville Co., Haydenville, Mass.
Huyette, Paul B. Co. (The "P. B. H." Quick Closing), Betz bldg, Philadelphia, Pa.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Jerguson Mfg. Co. ("Klingers," "Reflex," "Wiltbonco"), 221 Columbus av, Boston, Mass.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Lonergan, J. E. & Co. (Automatic Safety), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Monitor," Automatic & Plain), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv index, end of book)
Michigan Lubricator Co. ("Michigan," Self-Clearing, Automatic, etc.), Detroit, Mich.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Nelson, Charles, 439 E 10th, New York
Nolte Brass Co., Springfield, O.
Northern Specialty Co. ("Northern" Self-Closing Safety), Utica, N. Y.
Ohio Brass Co. ("Ohio"), Mansfield, O.
Penberthy Injector Co. (Automatic), 346 Holden av, Detroit, Mich.
PITTSBURGH GAGE & SUPPLY CO. (Self-Closing), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
Pratt & Cady Co., 556 Capitol av, Hartford, Conn.
Queen City Brass & Iron Works, Cincinnati, O.
Reliance Gauge Column Co. (Reliance Lever, Quick Closing), 5902 Carnegie, S E, Cleveland, O.
Roberts Brass Mfg. Co., 963 Kent av, B'kyn, N. Y.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Sherwood Mfg. Co., Buffalo, N. Y.
Star Brass Mfg. Co., 103 E. Dedham, Boston, Mass.
Swift Lubricator Co., Elmira, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Van Dusen F. W. Co., 428 E 2d, Cincinnati, O.
Western Valve Co., 48 W Randolph, Chicago, Ill.
Williams Gauge Co. ("Williams" Quick Closing), Pittsburg, Pa.
Wright Mfg. Co. ("The Wright" Water Pressure, Self-Closing), Detroit, Mich.

Gauges (Water Depth)

BRISTOL CO., Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Schaeffer & Budenberg Mfg. Co. ("Murphy's"), 963 Kent av, Brooklyn, N. Y.
Uehling Instrument Co., Passaic, N. J.

Gauges (Water Pressure)

(See Gauges, Water)

*Gauges (Water, Self-Cleaning)

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Gauges (Wheel)

Curran, F., Susquehanna, Pa.
Gage Tool Co. ("Gage" Marking), Vineland, N. J.

Gauges (Wire)

Brown & Sharpe Mfg. Co., Providence, R. I.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
HAMMACHER, SCHLEMMER & CO., 183 4th av, N. Y. (See adv. index, end of book)
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STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Vulcan Hardware Co., Carlstadt, N. J.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Gauges (Wireman's Calculating)

Manhattan Electrical Supply Co., 17 Park pl, New York, & 188 5th av, Chicago, Ill.

Gauges (Worm Thread Tool)

Brown & Sharpe Mfg. Co., Providence, R. I.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Gear Blanks

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book
Electric Weeding Products Co. (Steel), Cleveland Ohio
GANSCHOW, WM. CO. (Castings & Forgings), 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Gear Blanks (Rawhide)

(See also Gears & Pinions, Rawhide)

GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)

Gear Cases

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CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Columbia Machine Works & Mal. Iron Co. ("Columbia" All Steel), Atlantic av & Chestnut, Brooklyn, N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Lyon Metallic Mfg. Co. ("Lyon" Sheet Steel), Aurora, Ill.
Morris, Elmer P. Co. ("Corbett"), 90 West New York
Woolley Electric Co., Clayton, Mo.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
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American Ship Windlass Co., Providence, R. I.

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Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Brown-Lipe Gear Co., 208 S Geddes, Syracuse, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, Ohio
Cullman Wheel Co., 1030 Dunning, Chicago, Ill.
Dayton Electrical Mfg. Co. ("Gray"), 32 S St. Clair, Dayton, O.
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
Forg. Peter, 50 Park, Somerville, Mass.
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Garford Co., Elyria, O.
Gleason Works, Rochester, N. Y.
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Long Arm System Co., Cleveland, Ohio.
Lowe Bros. Machine Works (Rear Axle & Equalizing Gear Combined), 38 W Town, Cleveland, O.
Muncie Auto Parts Co., Muncie, Ind.
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Providence Engineering Works, Providence, R. I.
Relay Motor Car Co. ("Wyoma"), Reading, Pa.
Ross Gear & Tool Co., Lafayette, Ind.
Smith, A. O. Co., Clinton bet Park & Virginia, Milwaukee, Wis.
Spacke, F. W. Mch. Co., Indianapolis, Ind.
Steel Ball Co., 832 Austin av, Chicago, Ill.
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Virtue & Pound Mfg. Co., Owatonna, Minn.
Warner Gear Co. ("Warner"), Muncie, Ind.
Webster Mfg. Co., 1075 W 15th, Chicago, Ill.

Gears (Automobile Running)

Auto Supply Co., 1662 B'way, New York.
Borbein Auto Co., 2108 N 9th, St. Louis, Mo.
Covert Motor Vehicle Co., Lockport, N. Y.
Dyke, A. L. Automobile Supply Co., Walton & Olive, St. Louis, Mo.
Elwell-Parker Electric Co., Hamilton, Cleveland, Ohio
Light Mfg. & Foundry Co., Union & Queen, Pottstown, Pa.
Locke Regulator Co., Salem, Mass.
Loomis Autocar Co., Westfield, Mass.
Muncie Wheel & Jobbing Co., Muncie, Ind.
Neustadt Automobile & Supply Co., 826 S 18th, St. Louis, Mo.
NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
Relay Motor Car Co. ("Wyoma"), Reading, Pa.
Smith, A. O. Co., Clinton bet Park & Virginia, Milwaukee, Wis.
Standard Roller Bearing Co., 49th & Girard av, Philadelphia, Pa.
Torbensen Motor Car Co., Bloomfield, N. J.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)
Wall, R. C. Mfg. Co., 1334 Race, Phila., Pa.

*Gears (Automobile Speed)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

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Gears (Automobile Steering, Irreversible)

Borbein Auto Co., 2108 N 9th, St. Louis, Mo.
Boston Gear Works, Norfolk Downs, Mass.
Brown-Lipe Gear Co., 208 S Geddes, Syracuse, N. Y.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, Ohio
Chester Engineering & Machine Co., Chester, Pa.
Columbus Screw & Machine Co. ("Columbus"), Columbus, Ohio
Elyria Machine Parts Co., Elyria, Ohio.
Garford Co., Elyria, O.
GENERAL ELECTRIC CO. ("Lemp"), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end
Locke Regulator Co., Salem, Mass. of book)
Morse, Williams & Co. (Hindley), West End Trust bldg, Philadelphia, Pa.
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
Smith, A. O. Co., Clinton bet Park & Virginia, Milwaukee, Wis.
Steam Carriage Boiler Co., Oswego, N. Y.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)
Weber, C. F. Mfg. Works, Albany, N. Y.
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

Gears (Automobile Steering, Reversible)

Borbein, H. F. & Co., 2108 N 9th, St. Louis, Mo.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, Ohio
Dyke, A. L. Automobile Supply Co., Walton & Olive, St. Louis, Mo.
Neustadt, J. H. Co., 820 S 18th, St. Louis, Mo.
Smith, A. O. Co., Clinton bet Park & Virginia, Milwaukee, Wis.
VAN DORN & DUTTON CO., 2714 E 79th S E, Cleveland, O. (See adv. index, end of book)
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

*Gears (Brick Machinery)

FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. ind x, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
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JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.

*Gears (Car Motor)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Cement Machinery)

Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Horsburgh & Scott Co., 5114 Hamilton, Cleveland, O.
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Cut)

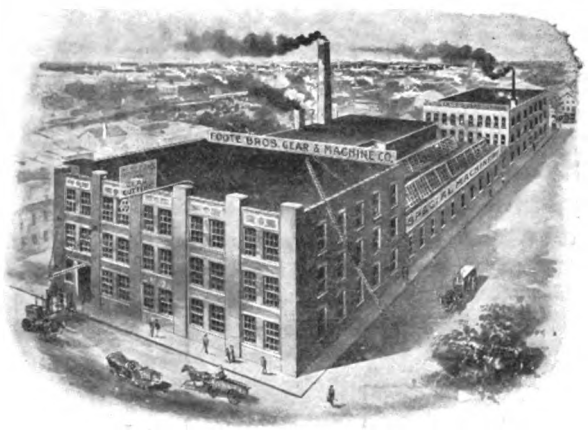
Allentown Foundry & Machine Works (Bevel, Mitre, Mortise, Spur, etc.), Allentown, Pa
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Arthur Co., 188 Front, N. Y. of book)
Bilgram, Hugo (Bevel, Mitre, Mortise, Spur, etc.), 1235 Spring Garden, Phila., Pa
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Blount & Lovell (Gear Cutting), 100 High, Boston, Mass.
Boston Gear Works (Bevel Mitre, Mortise Spur, etc., also Brass), Norfolk Downs, Mass.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Buffalo Gear & Pattern Works, 18 Elk, Buffalo N. Y
Bultman, F. H. & Co., 2108 Superior Viaduct Cleveland, O
Caldwell, H. W., & Son Co. ("Caldwell-Walker" Spur, Spur Mortise, Bevel, Bevel Mortise, Miter), 17th & Western av, Chicago, Ill.
Chickasaw Iron Works, Memphis, Tenn.
COHOES IRON FOUNDRY & MA-chine Co., Cohoes, N. Y. (See adv. index end of book)
Cresson, Geo. V. Co., Allegheny av. W of 17th Phila., Pa., & West St Bldg, N Y
DAVIS, RODNEY (All Kinds), 6238 Race, Phila., Pa. (See adv. index, end of
Dodge Mfg. Co., Mishawaka, Ind. book)
Eagle Tool & Machine Co. (Also Rack), 511 Ann, Allegheny, Pa
Earle Gear & Machine Co. (of all Descriptions) Stenton & Wyoming avs, Phila., Pa.
Eclipse Machine Co., Elmira, N. Y.
Farrel Foundry & Machine Co. (Machine Cut) Ansonia, Conn
FAWCUS MACHINE CO. (Steel, Iron, Bronze & Rawhide), 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Fellows Gear Shaper Co., Springfield, Vt.
Fogarty, James H. (Electric Railway Sectional), 120 Liberty, New York
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Frost Gear & Machine Co. (Bevel, Spiral, Spur), Jackson, Mich.
GANSCHOW, WM. CO. (Bevel, Mitre, Mor-tise, Spur, etc.), 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Gleason Tool Co., Rochester, N. Y.
Gould & Eberhardt (Spiral, Spur, Mitre, Bevel, Worm, etc.), Newark, N. J.
Grant Gear Works, 6 Portland, Boston, Mass.
Greenwald, I. & E. Co., 720 E Pearl, Cincinnati, O.
Hardinge Bros., 1036 Lincoln av, Chicago, Ill.
Harrington, Edwin Son & Co., 17th & Callowhill, Philadelphia, Pa.
Holyoke Machine Co., Holyoke, Mass.
Horsburgh & Scott Co., Cleveland, O.
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Jones, E. D. & Sons Co. (Bevel, Mitre, Mortise, Spur, etc.), Pittsfield, Mass.
Kentucky Gear & Machine Co., Louisville, Ky.
Lane Mfg. Co., Montpelier, Vt.
Lauer, Jno. Machine Co., Detroit, Mich.
Leffel, Jas. & Co., Springfield, O.
Link Belt Co. (Bevel, Mitre, Spur, etc), West 39th & Stewart ave, Chicago, Ill., & 299 B'way, New York
Medart Patent Pulley Co. (Plain or Mortise), 3500 De Kalb s, St. Louis, Mo.
Meisel Press & Mfg. Co., Boston, Mass.
Mesta Machine Co., Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHIN-ery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Newark Gear Cutting Machine Co. (All Kinds), Newark, N. J.
New Process Rawhide Co. (Cut Rawhide), Syracuse, N. Y.
New York Gear Works, 56 Greenpoint av, Brooklyn, N. Y.
Nordyke & Marmon Co. (Mitre, Iron, Spur, Bevel, Mortise, etc.), Indianapolis, Ind.
NUTTALL, R. D. CO. (Spur, Bevel, Mitre, Spiral, Worm & Herringbone), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Pacific Gear & Tool Works (Bevel, Mitre, Mortise, Spur, etc.), 523 Mission, San Francisco, Cal.
PATTERSON, GOTTFRIED & HUN-ter (Ltd.), 211 Center, New York
Philadelphia Gear Works (Inc.), (Bevel Planed Teeth), 12th & Vine, Phila., Pa.
QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)
Pioneer Machine Works (Jas. Hartley, Prop.), 75 Delevan, Brooklyn, N. Y.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Platt Iron Works Co., Dayton, O., & 100 B'way, New York
Poole Engineering & Mach. Co., Baltimore, Md.
Rollington, F. B. Co., 35 Monroe, Chicago, Ill.
Sawyer Gear Works, 102 St. Clair, Cleveland, O.
Simmonds Mfg. Co., Pittsburg, Pa.
Skillin & Richards Mfg. Co. (All Kinds), 147 Fulton, Chicago, Ill.

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Spacke, F. W. Machine Co., Indianapolis, Ind.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Townsend Furnace & Machine Shop Co. (Spur, etc.), Albany, N. Y.
Trump Mfg. Co., Springfield, O.
Turley, H. G., 214 Locust, St. Louis, Mo.
Union Foundry & Machine Co., Pittsburg, Pa.
VAN DORN & DUTTON CO. (For all Purposes), 2714 E 70th, S E, Cleveland, O. (See adv. index, end of book)
Vulcan Iron Works, Wilkes-Barre, Pa.
Walcott, Geo. & Son, Jackson, Mich.
WEBSTER MFG. CO. (Bevel, Spiral, etc.), 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)
Woburn Gear Works, Woburn, Mass.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Gears (Fibre)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index, end of book)
Boston Gear Works, Norfolk Downs, Mass.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
DELAWARE HARD FIBRE CO., Wilmington, Del.; Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
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JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
MORRIS ELECTRIC CO., Wilmington, Del.
NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
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WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del. (See adv. index, end of book)

*Gears for Dredges

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FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

*Gears for Steam Shovels

FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Friction Clutch)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
Chickasaw Iron Works, Memphis, Tenn.
Dodge Mfg. Co., Mishawaka, Ind.
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.
Hunt, Rodney Machine Co., Orange, Mass.
Medart Patent Pulley Co., 3500 DeKalb av, St. Louis, Mo
National Gear Wheel & Fdy. Co., Allegheny, Pa.
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Mach. Co., Baltimore, Md.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Internal)

Bilgram, Hugo, 1235 Spring Garden, Phila., Pa.
Boston Gear Works, Norfolk Downs, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
Caldwell, H. W., & Son Co. ("Caldwell-Walker"), 17th & Western av, Chicago, Ill.
DAVIS, RODNEY, 626 Race, Phila., Pa. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
Frost Gear & Machine Co. Jackson, Mich.
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Gleason Works, Rochester, N. Y.
Gould & Eberhardt, Newark, N. J.
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Meisel Press & Mfg. Co., 944 Dorchester av, Boston, Mass.
Newark Gear Cutting Machine Co., Newark, N. J.
New Process Raw Hide Co., Syracuse, N. Y.
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
QURIDE CO ("Quride"), Syracuse, N. Y. (See adv. index, end of book)
Poole Engineering & Mach. Co., Baltimore, Md.
Sommerfeld Machine & Mfg. Co. (Steel, Cast Iron & Brass), Pittsburg, Pa.
Syracuse Rawhide Mfg. Co., Syracuse, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)
Welch, T. F. Co. (Brass), 55 Sudbury, Boston, Mass.
WIDMER MACHINE WORKS, Detroit Mich. (See adv. index, end of book)

Gears (Machine Moulded)

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Birdsboro Steel Foundry & Machine Co. (Iron & Steel), Birdsboro, Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Buda Foundry & Machine Co., Railway Exchange bldg, Chicago, Ill
Caldwell, H. W. & Son Co. ("Caldwell-Walker"), 17th & Western av, Chicago, Ill.
Cresson, Geo. V. Co., Allegheny av., W of 17th
Dodge Mfg. Co., Mishawaka, Ind. Phila., Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Gleason Tool Co., Rochester, N. Y.
Greenwald, I. & E. Co., 720 E Pearl, Cincinnati, O.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
National Gear Wheel & Foundry Co., South av & Walker, Pittsburg, Pa.
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Baltimore, Md.
Shriver, T. & Co., Harrison, N. J.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (Iron or Steel, also Bronze & Nickel Bronze), Farmers' Bank bldg, Pittsburg, Pa.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Marine, Reversing)

Alexander & Crouch, 68 Monroe, Chicago, Ill.
Auto Engine Works, St. Paul, Minn.
Automatic Clutch Co., Akron, O.
Ball Mfg. Co., Stamford, Conn.
Brodie, Wm. H. Co. ("Perfection"), 46 Vesey, New York
Brownell, Trebert Co., Rochester, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
Continental Motor Mfg. Co., Muskegon, Mich.
Cross, M. O. Engine Co., Detroit, Mich.
Crouch, Chas. P. & Co., Chicago, Ill.
Eastern House Engine Co., Taunton, Mass.
FAWCUS MACHINE CO. (Repair Parts), 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Gies Gear Co. ("Gies") for Gasoline Motor Boats), 345 Bellevue av, Detroit, Mich.
Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Holliday Mfg. & Engineering Co., 100 Bunker, Chicago, Ill.
Harvard Marine & Auto. Co. ("Hub"), Cambridge, Mass.
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JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Johnson, Carlyle Machine Co., 356 Asylum, Hartford, Conn.
Kaestner, Chas. Mfg. Co., South Bend, Ind.
Kalb & Berger Mfg. Co., 60 Centre, New York
Michigan Wheel Co., Grand Rapids, Mich.
Milwaukee Auto. Engine & Supply Co., Milwaukee, Wis.
New York Gear Works ("Ball" Improved Reverse Gear for Motor Boats), 50 Greenpoint av, Brooklyn, N. Y.
NUTTALL, R. D. CO. (Repair Parts), Fayette, Pittsburg, Pa. (See adv. index, end of book)
Perfection Reversing Gear & Supply Co. ("Perfection"), 45 Vesey, New York
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
Snow & Petrelli Mfg. Co. ("Joe's"), New Haven, Conn.
Tuttle, H. A. Mfg. Co., Kaiser pl. E. N., Norwalk, Conn.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

Gears (Marine Steering, Hand & Steam)

Akers Steering Gear Co. ("Akers Emergency"), Old Colony bldg, Chicago, Ill.
Bultman, F. H. & Co., 2108 Superior Viaduct, Cleveland, O.
Dake Engine Co. (Steam), Grand Haven, Mich.
Durkee, C. D. & Co. (Hand), 2 South, New York
Edson Mfg. Co. (Hand), Boston, Mass.
Forbes, W. D., Co. (Hand), New London, Conn.
Hyde Windlass Co. ("Brown" Steam), Bath, Me.
Johnston, Wm. T. Co. ("Cincinnati" Steam), Cincinnati, O.
Laughlin, Thomas Co. (Hand), 143 Fore, Portland, Me.
Lockwood Mfg. Co. ("Reeds" Hand), 61 Summer, Boston, Mass.
Marine Hardware Co. (Hand), Peabody, Mass.

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Marine Mfg. & Supply Co. ("Columbia," "Lavarck," "Planet," Hand), 158 South, New York
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Philadelphia Machine Works (Steering Engines), 67 Laurel, Philadelphia, Pa.
Richardson's, N. Sons ("Challenge" "Little Giant" Hand), Gloucester, Mass.
Sheriffs Mfg. Co., Milwaukee, Wis.
Stoddart, A. P. & Co. (Hand), Gloucester, Mass.
Textile Finishing Machine Co. (Steam), 17 Exchange pl, Providence, R. I.
Turner Brass Works (Hand), Chicago, Ill.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)
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Williamson Bros. Co. (Steam), Phila., Pa.

Gears (Mill)

BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

*Gears (Mine Motor)

NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
VAN DORN & DUTTON CO. (Gears & Repair Parts), 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

*Gears (Mining Machine)

FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
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JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
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Gears (Raw Hide)

(See Gears & Pinions, Rawhide)

*Gears (Reduction, for Motors)

FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chcago, Ill. (See adv. index, end of book)
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)

Gears (Reversing)

(See Gears, Marine Reversing)

Gears (Spiral)

(See Gears, Cut)

Gears (Spur)

(See Gears, Cut)

*Gears (Spur Gear Reduction)

FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chcago, Ill. (See adv. index, end of book)
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)

Gears (Steering)

(See Gears, Automobile, Steering; also Gears, Marine, Steering)

Gears (Street Car Axle)

BLISS, E. W. CO., 19 Adams, Brookly, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Catskill Foundry & Machine Works, Catskill, N. Y.
Cleveland Gear Works, Cleveland, O.
Falk Co., Milwaukee, Wis.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Horsburg & Scott, Cleveland, O.
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Simonds Mfg Co., Pittsburg, Pa.
Van Dorn & Dutton Co., Cleveland, O.
Worcester Gear Works, Worcester, Mass.

Gears (Swinging)

Dake Engine Co., Grand Haven, Mich.

Gears (Transmission or Speed Changing)

Auto Supply Co., 1662 B'way, New York
Autocar Equipment Co. ("Continental"), 240 W Lake, Chicago, Ill.
Blood Bros. Automobile & Machine Co., Kalamazoo, Mich.
Brennan Motor Mfg. Co., 101 Grape, Syracuse, N. Y.
Brown & Sharpe Mfg. Co. (Repair Parts), Providence, R. I.
Buffalo Engine Co. ("Salisbury"), Buffalo, Cady, C. N. Co., Canastota, N. Y. N. Y.
Case Mfg. Co., St. Clair & Curtis avs, Columbus, O.
ELECTRIC WHEEL CO (For Farm Trucks), Quincy, Ill. (See adv. index, end of book)
Fast Machine & Tool Co., 24th & Greenfield av, Milwaukee, Wis.
FAWCUS MACHINE CO. (Repair Parts), 2820-2828 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chcago, Ill. (See adv. index, end of book)
Gies Gear Co., Detroit, Mich.
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Kaestner, Chas. Mfg. Co., South Bend, Ind.
Locke Regulator Co., Salem, Mass.
Loomis Auto Car Co., Westfield, Mass.
Maxwell & Fitch Co., Rome, N. Y.
Milwaukee Auto Engine & Supply Co., 706 Winnebago, Milwaukee, Wis.
Milwaukee Motor Co., 615 Clybourn, Milwaukee, Wis.
Motor Car Power Equipment Co., 577 Grove, Milwaukee, Wis.
Murray, W. B., 1253 Milw. av, Chicago, Ill.
New York Gear Works ("Ball" Improved), 56 Greenpoint av, Brooklyn, N. Y.
NUTTALL, R. D. CO. (Repair Parts), Fayette & Garrison pl, Pittsbur, Pa. (See adv. index, end of book)
O. K. Machine Co., 75 Ellicott, Buffalo, N. Y.
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
Relay Motor Car Co. ("Wyoma"), Reading, Pa.
Smith, A. O. Co., Clinton bet Park & Virginia, Milwaukee, Wis.
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
Toepfer's, Frank Sons, 46 National av, Milwaukee, Wis.
Trebert Gas Engine Co., 163 Main, W., Rochester, N. Y.
Upton Machine Co., Beverly, Mass.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)
Virtue & Pound Mfg. Co., Owatonna, Minn.
Western Automobile Supply Co., 285 Virginia, Milwaukee, Wis.
Western Motor Co. ("Rutenber"), Logansport, Ind.
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

Gears (Worm)

AMERICAN WELL WORKS (Cut & Molded), Aurora, Ill. (See adv. index & branch offices, end of book)
Arthur Co., 188 Front, New York
Bilgram, Hugo 1235 Spring Garden, Phila., Pa.
Boston Gear Works, Norfolk Downs, Mass.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman, F. H. & Co., Cleveland, O.
Caldwell, H. W. & Son Co. ("Caldwell-Walker"), 17th & Western av, Chicago,
Chain Belt Co., Milwaukee, Wis. Ill.
Cresson, Geo. V., Co., Allegheny av, W of 17th, Phila., Pa.
Damascus Bronze Co. ("Damascus" Bronze for Rolling Mills, etc.), Allegheny, Pa.
DAVIS, RODNEY, 6226 Race, Phila., Pa. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
FAWCUS MACHINE CO. (Steel, Iron, Bronze & Rawhide), 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
Frost Gear & Machine Co., Jackson, Mich.
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
Gleason Works, Rochester, N. Y.
Gould & Eberhardt, Newark, N. J.
Horsburgh & Scott Co., 5114 Hamilton, Cleveland, O.
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
Link Belt Co., W. 39th & Stewart av., Chicago, Ill., & 299 B'way, New York
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Meisel Press & Mfg. Co., 944 Dorchester av, Boston, Mass.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
National Gear Wheel & Foundry Co., South av & Walker, Allegheny, Pa.
Newark Gear Cutting Machine Co. (Worm Wheels Generated without Holes), Newark, N. J.
New Process Rawhide Co., Syracuse, N. Y.
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Pacific Gear & Tool Works, 523 Mission, San Francisco, Cal.
Philadelphia Gear Works (Inc.) (Brass, etc.), 12th & Vine, Phila., Pa.
Philadelphia Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Poole Engineering & Mach. Co., Baltimore, Md.
Sawyer Gear Works, 102 St. Clair, N. W., Cleveland, O.
Simonds Mfg. Co. (For Electric Railways, etc.), Pittsburg, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
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Vulcan Iron Works, Wilkes-Barre, Pa.
Welch, T. F. & Co. (Brass), 55 Sudbury, Boston, Mass.
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

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FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul, Chicago, Ill. (See adv. index, end of book)
JAMES, D. O. MFG. CO., 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)

Gears & Pinions

Arthur Co., 188 Front, New York
Atha Steel Casting Co. ("Titan," Steel for Motor Gears, etc.), Newark, N. J.
Baldwin Chain & Mfg. Co., 31 Hermon, Worcester, Mass.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman, F. H. & Co., Cleveland, O.
Catskill Foundry & Mach. Works, Catskill, N. Y.
Cullman Wheel Co. (Sprockets Only), 1024 Greenwood terrace, Chicago, Ill.
DAVIS, RODNEY, 6224 Race, Phila., Pa. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
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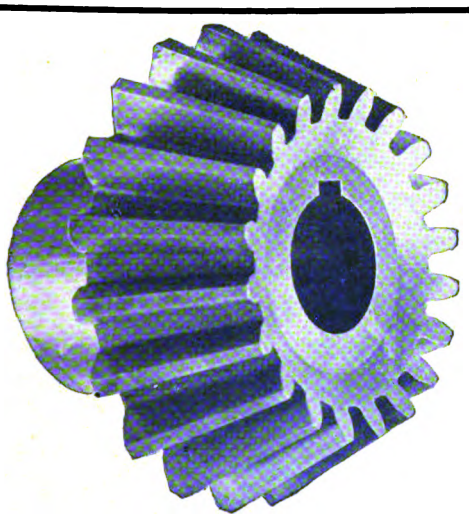
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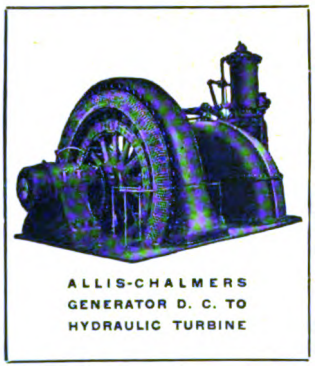
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GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gleason Works, Rochester, N. Y.
Grant Gear Works, 6 Portland, Boston, Mass.
Horsburgh & Scott Co., 5114 Hamilton, Cleveland, O.
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Meisel Press & Mfg. Co., 944 Dorchester av, Boston, Mass.
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National Gear Wheel & Foundry Co., North Side, Pittsburg, Pa.
New Process Raw Hide Co., Syracuse, N. Y.
NUTTALL, R. D. CO. (Rawhide Fibre, etc.), Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)
Ohio Brass Co., Mansfield, O.
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
Poole Engineering & Mach. Co., Baltimore, Md.
QURIDE CO. (Quride), Syracuse, N. Y. (See adv. index, end of book)
Sawyer Gear Works, Cleveland, O.
Simonds Mfg. Co. Elec. R'y), Pittsburg, Pa.
Syracuse Rawhide Mfg. Co. (Rawhide), Syracuse, N. Y.
Tool Steel Motor Gear & Pinion Co., Cincinnati, O.
VAN DORN & DUTTON CO. (Electric Railway), 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)
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WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

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Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E. 79th S E, Cleveland, O. (See adv. index, end of book)
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

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Boston Gear Works, Norfolk Downs, Mass.
Chicago Rawhide Mfg. Co., Chicago, Ill.
DAVIS, RODNEY, 626 Race, Phila., Pa. (See adv. index, end of book)
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
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VAN DORN & DUTTON CO., 2714 E 79th S E, Cleveland, O. (See adv. index, end of book)
Western Rawhide & Belting Co., Milwaukee Wis
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

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ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Crocker-Wheeler Co., Ampere, N. J.
Benton, Thos. P., & Son (Direct Current, 1 to 100 h. p.), LaCrosse, Wis.
Electric Machinery Co. (Direct Current and One, Two and Three Phase Alternating Current), Minneapolis, Minn.
Ensberg's Electric & Mechanical Works, St. Joseph, Mich.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Northern Electrical Mfg. Co., Madison Wis.
PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)
Portland Co., Portland, Me.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.
WESTINGHOUSE ELEC. & MFG. CO. Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Generators (Electric Lighting)

Akron Electrical Mfg. Co. (Direct Current). Belted or Direct Connected, 1 to 500 Kw.), Akron, O.
ALLIS-CHALMERS CO. (Direct & Alternating), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Engine Co. (Direct), Boundbrook, N.J.
Bartx, Evans & Wygant, Hornellsville, N. Y.
Burke Electric Co. (Direct & Alternating), Erie, Pa.
California Electrical Works (Direct), San Francisco, Cal.
Crocker-Wheeler Electric Co. (Direct), Ampere, N. J., & 39 Cortlandt, New York
Diehl Mfg. Co., Elizabeth, N. J.
Eager Electric Co. (Direct Current), Watertown, N. Y.
Electric Machinery Co. (Direct Current and One, Two and Three Phase Alternating Current, Engine and Belted Type, Minneapolis, Minn.
Elwell-Parker Electric Co., Cleveland, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Federal Electric Co. (Direct Current, Belted & Direct Connected), North Girard, Pa.
Fort Wayne Electric Works, Inc. (Direct & Alternating), Fort Wayne, Ind
Garwood Electric Co. (Direct), Garwood, N. J.
GENERAL ELECTRIC CO. (Direct & Alternating), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield Ohio
Jenney Electric Mfg. Co. (Direct & Alternating) Indianapolis, Ind
Kentucky Electrical Co. (Direct), Owensboro, Ky
Maine Electric Co., Portland, Me.
MECHANICAL APPLIANCE CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Northern Electrical Mfg. Co. (Direct & Alternating), Madison, Wis.
PHOENIX ELECTRIC CO. (Direct & Alternating), Mansfield, O. (See adv. index, end of book)
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Robbins & Myers Co. (Up to 10-K. W.), Springfield, O
Roth Bros. & Co., Loomis & Adams, Chicago, Ill.
Sprague Electric Co. (Direct Current up to 1,000 Kw.), 527 W 34th, New York
Sterling Electric Motor Co. (Up to 12 K. W.), Dayton, O.
Triumph Electric Co. (Direct Current), 610 Baymiller, Cincinnati, O.
Wagner Electric Mfg. Co. (Direct & Alternating) St. Louis, Mo.
Warren Electric Mfg. Co. (Alternating), Sandusky, O.
Western Electric Co. (Direct & Alternating), 250 S Clinton, Chicago, Ill., & 57 Bethune, N. Y
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Generators (Electric Power)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Engine Co., 95 Liberty, New York, & Boundbrook, N. J.
Bessemer Gas Engine Co., Grove City, Pa.
Burke Electric Co. (Direct & Alternating), Erie, Pa.
Crocker-Wheeler Electric Co. (Direct), Ampere, N. J., & 39 Cortlandt, New York
Diehl Mfg. Co. (Direct), Elizabeth, N. J.
Eager Electric Co. (Direct Current), Watertown, N. Y.
Eddy Electric Mfg. Co. (Direct), Windsor, Conn.
Electric Machinery Co. (Direct Current & One, Two & Three Phase Alternating Current, Engine & Belted Type), Minneapolis, Minn.
Electro-Dynamic Co., 5 Nassau, New York
Elwell-Parker Electric Co. (Direct), Cleveland, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Federal Electric Co. (Direct Current both Belted & Direct Connected), North Girard, Pa.
Fort Wayne Electric Works, Fort Wayne, Ind.
GENERAL ELECTRIC CO. (Direct & Alternating), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
General Railway Signal Co., Rochester, N. Y.
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, Ohio
MECHANICAL APPLIANCE CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
National Brake & Electric Co. (The "Ceco" Alternating & Direct), Milwaukee, Wis.
Northern Electrical Mfg. Co. (Direct & Alternating), Madison, Wis.
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC CO. (Direct & Alternating), Mansfield, O. (See adv. index, end of book)
Richmond Electric Co., Richmond, Va.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Robbins & Myers Co. (Up to 10 Kw.), Springfield, O.
Sterling Electric Motor Co. (Small Direct Current, up to 12 Kw.), Dayton, O.
Sturtevant, B. F. Co. (Direct), Hyde Park, Mass.
Triumph Electric Co. (Direct Current), 610 Baymiller, Cincinnati, O.
Warren Electric Mfg. Co. (Alternating), Sandusky, O.
WESTINGHOUSE ELECTRIC & MFG. Co. (Direct & Alternating Current), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Generators (Street Railway)

(See also Generators, Electric Power; also Dynamos & Motors)
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Engine Co., Boundbrook, N. J.
Crocker-Wheeler Co., Ampere, N. J.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Garwood Electric Co., Garwood, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index, end of book)
Kester Electric Co., Terre Haute, Ind.
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Ridgway Dynamo & Engine Co. ("Thompson-Ryan"), Ridgway, Pa.
Triumph Electric Co., Cincinnati, O.
WESTINGHOUSE ELECTRIC & MFG. Co. (Direct & Alternating), Union B'k bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

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ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill. (See adv. index & branch offices, end of book)

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Cincinnati Beveling & Silvering Co., 430 Oliver, Cincinnati, O.
Donnelly, J. R. Co., 54 Classon av, Brooklyn, N. Y.
Hadley-Dean Glass Co., 11th & Lucas, St. Louis, Mo.
Heckerman, F. W. & Co., 120 Opera pl, Cincinnati, O.
Louisville Ornamental Glass Co., Louisville, Ky.
New Kensington Glass Bending Co. (Plate & Window), Parnassus, Pa.
Oriel Glass Co., 617 Chestnut, St. Louis, Mo.
Pittsburg Plate Glass Co., Frick bldg., Pittsburg, Pa.
Penn-American Plate Glass Co., Pittsburg, Pa.
Popper, Leo. & Sons, 7 Sullivan, New York
Potts Bros., 231 Bowery, New York
Smith, M. A., 65 Chambers, Newark, N. J.
Standard Plate Glass Co., Butler, Pa.
Valley City Glass & Paint Co., Grand Rapids, Mich.
Western Mirror Plate Co., 824 Wade, Cincinnati, O

*Glass (Bent Wire)

MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

Glass Bevelers

Allegan Mirror Plate Co., Allegan, Mich.
Bloom, Alfred Co., 1502 California, Omaha Neb
California Art Glass Works, San Francisco, Cal.
Chaudron & Peyton, 421 E Saratoga, Baltimore, Md
Cincinnati Beveling & Silvering Co., 430 Oliver, Cincinnati, O
Cooper, Chas. D., 188 W Houston, New York
Crane Glass & Mfg. Co., 206 St. Clair av N E. Cleveland, O
Dayton Art Glass Works, Dayton, O.
Donnelly, J. R. Co., 54 Classon av, Brooklyn N. Y
Empire Mirror & Beveling Co., Alexandria, Ind.
Empire Ornamental Glass Co., 42 Renwick, New York
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Ford Bros., 234 5th av, Chicago, Ill.
Hadley-Dean Glass Co., 11th c Lucas av, St Louis, Mo
Haskins Glass Co., Rochester, N. Y.
Heckerman, F. W. & Co., 120 Opera pl, Cincinnati, O
Hires, Turner Glass Co., 230 So. 30th, Phila., Pa.
Holland & New Co., Des Moines, Ia.
Hooker, H. M. Co., 120 Wash'n, Chicago, Ill.
Ingerson & Glaser Co., San Francisco, Cal.
Jones Decorative Glass Co., Concord c Hudson av, Brooklyn, N. Y.
Oriel Glass Works, San Francisco, Ca.
Pioneer Glass Works, 121 New Montgomery, San Francisco, Cal.
Pittsburg Plate Glass Co. Frick bldg. Pittsburg, Pa.
Popper, Leo. & Sons, 7 Sullivan, New York
Potts Bros., 116 Walker, New York
Queen City Glass Works, 122 Opera pl, Cincinnati, O
Raphal, H. & Co., 509 S Main, Los Angeles, Cal.
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SCHULER-MUELLER CO., 250 E. Kinzie, Chicago, Ill. (See adv. index, end of book)
Smith, M. A., 65 Chambers, Newark, N. J.
Standard Glass & Paint Co., Des Moines, Ia.
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.
United Glass Works, 62 8th, San Francisco, Cal.
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Western Mirror Plate Co., 824 Wade, Cincinnati, O.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.
Whither-Coburn Co., San Francisco, Cal.

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RODEFER, T. A., Bellaire, Ohio. (See adv. index, end of book)

Glass (Carrara)

Pittsburg Plate Glass Co., Frick bldg, Pittsburg, Pa.

Glass (Cathedral, Rough Plate & Tile)

Gray & Son, Falls Creek, Pa.
Heidt, John B. (Est. of), 278 Boerum pl, Brooklyn, N. Y.
Highland Glass Co., Washington, Pa.
MARIETTA GLASS MFG. CO (Plain & Fancy Figured), Indianapolis, Ind. (See adv. index, end of book)
Novelty Glass Works, Ottawa, Ill.
Opalescent Glass Works, Kokoma, Ind.
Opalite Tile Co., 831 4th av, Pittsburg, Pa.
Streator Cathedral Glass Co., Streator, Ill.

Glass (Chipped)

Allegan Mirror Plate Co., Allegan, Mich.
Chaudron & Peyton, 421 E Saratoga, Baltimore, Md.
Empire Ornamental Glass Co., 42 Renwick, New York
Jamestown Mirror Wks., Jamestown, N. Y.
Jones Decorative Glass Co., Concord c Hudson av, Brooklyn, N. Y.
Niagara Glass Wks., Buffalo, N. Y.
Pacific Window Glass Co. (For Office Windows, etc.), Stockton, Cal.
Pittsburg Plate Glass Co. Frick bldg. Pittsburg, Pa.
Rawson & Evans, 151 Washington boul, Chicago, Ill., & 458 W B'way, New York
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.

*Glass (Crystal, Lead & Colored)

RODEFER, T. A., Bellaire, O. (See adv. index, end of book)

Glass Cutting Boards

Lufkin Rule Co., Saginaw, Mich.

Glass Cylinders

Appert Glass Co., 277 B'way, New York
Fairpont Corporation, New Bedford, Mass.

Glass (Druggists')

(See Glassware, Chemical & Druggists')

Glass Embossers

California Art Glass Works, San Francisco, Cal.
Dougherty, James, 485 W B'way, New York
Empire Ornamental Glass Co., 42 Renwick, New York
Gillinder & Sons (Inc.), 135 Oxford, Phila., Pa.
Ingerson & Glasier Co., San Francisco, Cal.
Jones Decorative Glass Co., Concord & Hudson av, Brooklyn, N. Y.
Louisville Ornamental Glass Co., Louisville, Ky.
Pittsburg Plate Glass Co. Frick bldg. Pittsburg, Pa.
Potts Bros., 231 Bowery, New York
Rae, G. & Co., 436 W B'way, New York
Rawson & Evans, 151 Washington boul, Chicago, Ill., & 458 W B'way, New York
Redding, Baird & Co., 83 Franklin, Boston, Mass.
Reith, Wm., 134 N 7th, Phila., Pa.
Smith, H. J. & Sons, 284 S 8th, Phila., Pa.
Stevens Art Glass Co., 28 S. St. Clair, Dayton, O.
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.

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Van Horn, Dan'l, Art Glass Works, 537 17th, Milwaukee, Wis
Van Horne, D. A. & Co., 407 G'wich, & 400 W B'way, New York
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.

Glass Enamelers

Dougherty, James, 435 W B'way, New York
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. Index, end of book)
Gernhardt, H. T. & Co., 409 E Fayette, Baltimore, Md.
Jones Decorative Glass Co., Hudson av & Concord, Brooklyn, N. Y.
Louisville Ornamental Glass Co., Louisville, Ky.
Passarge, A. & Co., 333½ Gates av, Brooklyn, N. Y.
Rawson & Evans, 151 Washington boul, Chicago, Ill., & 458 W B'way, New York
Stevens Art Glass Co., 28 S. St. Clair, Dayton, O.
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.
Von Gerichten Art Glass Co., Columbus, O.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.

*Glass (Figured)

MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch of fices, end of book)

Glass (Fire Retardant)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Pittsburg Plate Glass Co. Frick bldg, Pittsburg, Pa.

*Glass Floor Plate Mfrs.

MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch of fices, end of book)

Glass for Electrical Use

Whitall Tatum Co., 410 Race, Philadelphia, Pa.

Glass for Engineering Specialties

(See also Gauge Glass Importers)

Bache, Semon. & Co., West & Hubert, New York
Carr-Lowrey Glass Co., Westport, Baltimore, Md., & 200 B'way, N. Y.
Gillinder & Sons (Inc.), 135 Oxford, Phila., Pa.
Whitall, Tatum Co., 410 Race, Philadelphia, Pa

Glass Globes and Shades

(See Globes, Various Kinds; also Shades, Glass & Porcelain, Etc.)

Glass (Ground)

Allegan Mirror Plate Co., Allegan, Mich.
Cooper, Chas. & Co. (For Polishing), 194 Worth, New York
Pacific Window Glass Co. (For Office Windows, etc.), Stockton Cal
Rawson & Evans, 151 Washington boul, Chicago, Ill., & 458 W B'way, New York

Glass House Clay Supplies

Bearer Valley Pot Co., Rochester, N. Y.
Findlay Clay Pot Co., Findlay, O.
Gill Bros., Muncie, Ind.
La Clede-Christy Clay Products Co., St. Louis, Mo.
Ohio Valley Clay Co., Steubenville, O.
Phoenix Clay Pot Co., New Kensington, Pa.
Pittsburg Clay Pot Co., Allegheny, Pa.
Trenton Fire Brick Co. (Glass Melting), Trenton, N. J.
Woods-Lloyd Co., Pittsburg, Pa.

Glass House Furnace Builders

American Furnace & Machine Co. (Complete Plants), Fulton bldg, Pittsburg, Pa
American Producers' Gas Furnace Co. (Also Glass Factories) Salem, N. J.
Cox & Sons, 215 Race, Philadelphia, Pa.
Dixon, H. L. Co., Roslyn, Pa
Smythe, S. R. Co., Pittsburg, Pa.

Glass House Supplies

Dixon, H. L. Co., Roslyn, Pa.

Glass (Leaded)

(See also Glass Stainers)

Alberts, J. B., 307 1st Louisville, Ky.
Baker, Jas. W., 1836 Champa, Denver, Col.
Brand, Gustave A., & Co., Steinway Hall, Chicago, Ill.
Bryant Bros., Columbus, Ohio.
Bunce Art Glass Co., Richmond, Va.
California Art Glass Works, San Francisco, Cal.
Clinton Glass Co., 250 W 21st, Chicago, Ill.
Dayton Art Glass Works, Dayton, Ohio
Decorative Art Glass Co., 214 S Highland, Pittsburg, Pa.
Decorative Art Co., 37 N 3d, Columbus, O.
Decorative Arts Co., 527 5th av, New York
Denniger, B. & S. Co., Jackson bldg, Denver, Col.
Dolde Art Glass Co., 18 N Diamond, Allegheny, Pa.
Denver Ornamental Glass Works, 305 16th, Denver, Col
Flanagan & Biedenweg Co., 63 Illinois, Chicago, Ill.
Ford Bros., Minneapolis, Minn.
Geissler, R., 56 W 8th, New York
Giannini & Hilgart, 211 E Madison, Chicago, Ill.
Hamilton, H. E. & Co., Indianapolis Ind.
Haskins Glass Co., Rochester, N. Y.
Henderson Bros., 342 E 38th, New York
Highland Glass Co., Washington, Pa.
Holland & New Co., Des Moines, Ia.
Hooker, H. M. Co., 120 Wash'n, Chicago, Ill.
Hooper-Dombrink Art Glass Co., Oakland, Cal.
Hosey, Patrick, 1649 17th, Denver, Col.
Jackson Glass Works, Jackson, Mich.
Jones, Thos. Decorative Co., Concord c. Hudson av, Brooklyn, N. Y.
Morgan Co. (Art), Factory & General Offices: Oshkosh, Wis.
O'Hearn, P. H., 1413 18th, Denver, Col.
Payne, Geo. H., 40 Park av, Paterson, N. J.
Pittsburg Art Glass & Mosaic Decorative Co., 112 Isabella, Allegheny, Pa.
Pittsburg Plate Glass Co. Frick bldg, Pittsburg, Pa.
Rae, G. & Co., 436 W B'way, New York
Rawson & Evans, 151 Washington boul, Chicago, Ill., & 458 W B'way, New York
Redding, Baird & Co., 88 Franklin, Boston, Mass.
Righter & Kolb, 156 5th av, New York
Riordan, G. C. & Co., 133 E 5th, Cincinnati, Ohio
Rockford Art Glass Works, Rockford, Ill.
Ryder, R. H., Grand Rapids, Mich.
Rosbach Art Glass Works, Columbus, O.
SCHULER-MUELLER CO., 250 E. Kinzie, Chicago, Ill. (See adv. index, end of book)
Sharpe Bros., 3 Court, Newark, N. J.
Snowdon, George, Utica, N. Y.
Spiers, Richard N., 850 6th av., New York
Stevens Art Glass Co., 28 S. St. Clair, Dayton, O.
Stoltzenberg Co., 51 Barclay, N. Y.
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.
Summers, Charles, 230 Nassau, Brooklyn, N. Y.
Temple Art Glass Co., 117 Michigan, Chicago, Ill.
Tiffany Studios, 347 Madison, New York
Toledo Art Glass Co., Toledo, O.
United Glass Works, 115 Turk, San Francisco, Cal.
Von Gerichten Art Glass Co., Columbus, O.
Wallis, A. H., 2000 & 2002 Locust, St. Louis, Mo.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.
Wood Glass Co., Syracuse, N. Y.

*Glass (Maze, for Diffusion of Light)

MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

Glass Mosaic Work

Armstrong, Maitland & Co., 61 Wash'n sq, S. New York
Brown, Hubbell & Puddicombe Co., New Haven, Conn.
Bryant Bros., Columbus, Ohio.
Church Glass & Decorating Co., 28 W 30th, New York
Colgate Art Glass Co., 8 Gansevoort, New York

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LARGEST PRODUCERS OF ESTABLISHED 1848 MISSISSIPPI GLASS CO NEW YORK-CHICAGO-ST.LOUIS-PITTSBURG ROLLED AND FIGURED GLASS

An architect, a builder or a property owner has his glass problem solved, not for the present only, but for all time to come.

IN WIRE GLASS he finds a product of unequalled **Fire Retarding Efficiency** that prevents the entrance or egress of draft and flame and the perils attending glass breakage, while in **Mississippi Figured Glass** he has clearly defined, forceful and decorative patterns of great brilliance and diffusive power, especially suitable for interior glazing of all classes of buildings.

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Crowninshield, Frederic, 42 W. 18th, New York
Dayton Art Glass Wks., Dayton, Ohio.
Decorative Art Co., 37 N 3d, Columbus, O.
Decorative Stained Glass Co., 46 Wash'n sq. S, New York
Doring Art Glass Studio, Grand Rapids, Mich.
Dougherty, Jas., 435 W B'way, New York
Flagg L. G. & Co., Sudbury bldg., Boston, Mass.
Flanagan & Biedenweg Co., 63 Illinois, Chicago, Ill.
Ford Bros., Minneapolis, Minn.
Freeman, Alfred H., 41 University pl, New York
Geissler, R., 56 W 8th, New York
Giannine & Hilgart, 211 E Madison, Chicago, Ill.
Haggerty, D. W. & Co., 70 Washington, Boston, Mass.
Heinigke & Bowen, 24 E 13th, New York
Henderson Bros., 343 W 37th, New York
Kelley & Co., 38 Chardon, Boston, Mass.
Kinsella Glass Co., Holland, Mich.
Lamb, J. & R. (Inc.), 25 6th av, New York
Louisville Ornamental Glass Co., Louisville, Ky.
McCully & Miles Co., 76 Wabash av, Chicago, Ill.
Mackay & Co., Los Angeles, Cal.
Macy, R. H. & Co., B'way & 34th, New York
Morgan, Jno. & Sons, 17 Union av, Brooklyn, N. Y., & 32 E 9th, New York
O'Halloran's, Thos. Sons, 127 Van Buren, Newark, N. J.
Passarge, A. & Co., 338½ Gates av, Brooklyn, N. Y.
Payne, Geo. H., 40 Park av, Paterson, N. J.
Petgen Glass Co., 5th & Hamilton avs, Pittsburg, Pa.
Pittsburg Plate Glass Co., Frick bldg, Pittsburg, Pa.
Rae, G. & Co., 436 W B'way, New York
Redding, Baird & Co., 83 Franklin, Boston, Mass.
Righter & Kolb, 156 5th av, New York
Riordan, G. C. & Co., 133 E. 35th, Cincinnati, Ohio
Spiers, Richard N., 859 6th av, New York
Stevens Art Glass Co., 28 S St Clair, Dayton, O.
Stoltzenberg Co., 51 Barclay, New York.
Summers & Lamb, c Jay & Johnson, Brooklyn, N. Y.
Tiffany Studios, 347 Madison av, New York
Tyrolese Art Glass Co., 25 W B'way, New York
Valley City Glass & Paint Co., Grand Rapids, Mich.
Von Gerichten Art Glass Co., Columbus, O.
Wallis, A. H., 2000 & 2002 Locust, St. Louis, Mo.
Woodman, Geo. F., 5513 Kinsman rd, Cleveland, O.

*Glass ("Nutile")

MISSISSIPPI GLASS CO. ("Nutile," White), 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glass (Opal)

MARIETTA GLASS MFG. CO. (Tiling & Refrigerator Linings), Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI GLASS CO. ("Nutile," White), 115 B'way, New York. (See adv. index & branch offices, end of book)

Glass Opal Blanks

Popper, Leo & Sons, 15 Sullivan, New York
RODEFER, T. A. (For Decorators), Bellaire, O. (See adv. index, end of book)

Glass (Opalescent)

Gillinder & Sons (Inc.), 135 Oxford, Philadelphia, Pa.
Heidt, John B. (Est. of), 284 Boerum, Brooklyn, N. Y.
MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
Opalescent Glass Works, Kokomo, Ind.
Peltier Glass Co., Ottawa, Ill.
Popper, Leo & Sons, 15 Sullivan, New York
Rawson & Evans, 151 Washington boul, Chicago, Ill.
RODEFER, T. A., Bellaire, O. (See adv. index, end of book)

Glass (Ornamental)

(See Glass Stainers)

Glass (Photographic)

Bache, Semon, & Co., West & Hubert, New York

*Glass (Plain & Fancy Figured)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

Glass (Plate Prism Mfrs.)

Pressed Prism Plate Glass Co. ("Imperial"), 17 Battery pl, New York, & Morgantown, W. Va.

Glass (Plate & Window, Wholesale & Retail)

ALABAMA.

BIRMINGHAM—Birmingham Paint & Glass Co.
MOBILE—McDermott, M. A. & J. P.

ARKANSAS.

LITTLE ROCK—Abeles, Chas. T. & Co.

CALIFORNIA.

LOS ANGELES—Dixon Art Glass Co.
Fuller, W. P. & Co., 142 N Los Angeles
Raphael, H. Co, 509 S Main
Whittier-Coburn Co.
OAKLAND—Fuller, W. P. & Co. (Inc.)
Cobbledick, L. N. Glass Co.
SACRAMENTO—Fuller, W. P. & Co. (Inc.)
SAN DIEGO—Fuller, W. P. & Co. (Inc.)
SAN FRANCISCO—Butcher, L. H. Co., 206 1st
California Plate & Window Glass Co., 921 Folsom
Fuller, W. P. & Co. (Inc.), Beal & Mission
Holt, Habernicht & Howlett (Inc.), 209 Fell
Pacific Window Glass Co. 8th & Brennan
Whittier-Coburn Co., Howard & Beale

COLORADO.

DENVER—Bingham, H. W. & Co., Larimer nr 3d
Hallack Paint, Oil & Glass Co., 1741 Arapahoe
Halleck & Howard Lumber Co., Larimer & 1ser
James, B. L. Mercantile & Mfg Co., 1517 Arapahoe
McPhee & McGinnity Co., 18th c Wasee
Sayre-Newton Lumber Co., 23d & Blake

CONNECTICUT.

HARTFORD—Audrews & Peck Co., 88 Market
Brust, F., 60 Talcott
Nims, Whitney Co., 1170 Main
Trant, John C., 347 Asylum
NEW BRITAIN—Rackliffe Bros. Co., 302 Park
Rogers, D. M. & Co., 9 Court
NEW HAVEN—Brodner, K., 103 Congress av
Morgan & Humiston Co., 30 Prout
Thompson & Belden, 396 State
TORRINGTON—Hotchkiss Bros. Co.

DELAWARE.

WILMINGTON—Bradford, James, Co.
Christiana Window Glass Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 11th c G, N. W.
Becker, Chas. & Co., 1239 Wisconsin av
Brown, R. M, 7th & N, N. W.
Muth, Geo. F. & Co., 418 7th, N. W.
Reilly, Hugh, 1334 New York av, N. W.
Smith, Thos. W., 1st c Ind. av, N. W.
Warren & Dyer, 627 F, N. W.

GEORGIA.

ATLANTA—Georgia Paint & Glass Co., 40 Peachtree
Pittsburg Plate Glass Co. (Mfrs.), 31 S Pryor
SAVANNAH—Butler, J. G., 20 Congress

ILLINOIS.

CHICAGO—Cole, Hy. A., 324 Dearborn
Hooker, H. M. Co., 120 Wash'n
Innes-Weld Glass Co., 48 E Van Buren
Morgan Sash & Door Co. (Plate), Blue Island av & Wood
Pittsburg Plate Glass Co. (Mfrs.), 442 Wabash av
Rawson & Evans, 151 Washington boul
Rice, James H. Co., Michigan, St. Clair & Illinois sts.
Siegel, Abraham, 28 Blue Island av
Sprague, Smith Co., 167 E Randolph
Standard Glass Co., 2345 La Salle
Tyler & Hippach (Inc.), 47 Ohio
PEORIA—Wahlfred Mfg. Co., 1101 S Wash'n
QUINCY—Achelpohl, Chas. H., Drug Co.
Garretts, Henry, & Sons.
Heidbreder Bros. & Co.
Oenning Glass & Book Co.
Young Bros.
ROCK ISLAND—Volk, John & Co.
SPRINGFIELD—Power, Chas. A.

INDIANA.

EVANSVILLE—Evansville Mirror & Beveling Co.
Evansville Paint & Varnish Co.
Johnson, E. C.
FORT WAYNE—Dreier & Bro.
Schlatter, C. C. & Co.
INDIANAPOLIS—Aldag Paint & Varnish Co., 426 E Wash'n
Indianapolis Paint & Color Co., 240 Mass av
Johnson-Woodbridge Co.
Sargent Paint & Color Co., N. J. & Mass av
Stewart, Carey Glass Co.
LAFAYETTE—Lafayette Lbr. & Mfg. Co.
Taylor, Henry Lbr. Co.
TERRE HAUTE—Adamson & Anderson
Krietenstein, Carl

IOWA.

CALMAR—Calmar Mfg. Co.
CEDAR RAPIDS—Williams & Hunting Co.
DAVENPORT—McClelland, T. W. Co.
Pittsburg Plate Glass Co.
Roberts, U. N. Co.
DES MOINES—Buck Bros. Co.
Carr & Adams Co.
Holland & New Co.
DUBUQUE—Carr-Ryder & Adams Co.
LYONS—Disbrow, M. A. & Co.
MUSCATINE—Roach & Musser Sash & Door Co.

KANSAS.

EMPORIA—Emporia Lbr. & Coal Co.
HUTCHINSON—Hutchinson, L. & P. Mill Co.
TOPEKA—Whiting, A. B. Paint & Glass Co.
WICHITA—Young Bros.

KENTUCKY.

LOUISVILLE—Hughes, E. L. Co., 215 E Main
Hughes, W. J. & Sons Co., 14th c Maple
Peaslee-Gaulbert Co., Window Gl. Dept., 417 W Main

LOUISIANA.

NEW ORLEANS—Augustin, Henry
Augustin, M.
Louisiana Glass & Mirror Works, 309 Lafayette
McWilliams, R. (Ltd.), 342 Camp

MAINE.

PORTLAND—King & Dexter Co.

MARYLAND.

BALTIMORE—Baker Bros. & Co., 102 Hopkins pl
Baker Glass Co., 118 S Eutaw
Baltimore Paint & Glass Co., 417 Exchange pl
Kaufman, E. L. & Co., Liberty & Fayette
Pittsburg Plate Glass Co. (Mfrs.), 221 W Pratt
Selm, Henry & Co., Howard & Fayette
Swindell Bros., c Bayard & Russell
United States Glass Co., 110 Hopkins pl

MASSACHUSETTS.

BOSTON—Boston Plate & Window Glass Co., 287 A
Kelly, Geo. R. & Co., 44 Bedford.
Millen & Williamson Co., 29 Kneeland
Pittsburg Plate Glass Co. (Mfrs.), 41 Sudbury
Standard Plate Glass Co., 26 Sudbury
WORCESTER—Marble J. Russell & Co., 440 Main
Howard, S. I., 3 Harvard

MICHIGAN.

ALLEGAN—Allegan Mirror Plate Co.
DETROIT—American Paint & Glass Co., 38 Cadillac sq
Boydell Bros., White Lead & Color Co., 40 Champlain
Central Paint & Glass Co., 36 Cadillac sq
Fletcher Hardware Co., 65 W Woodbridge
Frohlich, Edw. Glass Co., 52 Larned, W
Michigan Ornamental Glass Co., 21st & Standish
Pittsburg Plate Glass Co. (Mfrs.), 53 E Larned
Reid, Wm., Co., 124 Larned av W
Schroeder Paint & Glass Co., 44 Cadillac sq

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GRAND RAPIDS—French, Walter Glass Co.
Goble Bros. Glass Co.
HOLLAND—Kinsella Glass Co.
JACKSON—McLean, Frank & Co.
SAGINAW—Saginaw Plate Glass Co.

MINNESOTA.

DULUTH—Paine & Nixon Co.
St. Germain Bros., 110 1st av, W
MINNEAPOLIS—Forman, Ford & Co., 116 Washington av, S
Janney, Semple, Hill & Co., 30 S 2d
Northwestern Glass Co., 120 1st av, N
Pittsburg Plate Glass Co. (Mfrs.), 500 S 3d
ST. PAUL—Mann, F. R. & Son, 437 St. Peter
Noyes Bros. & Cutler, 6th & Sibley
Pittsburg Plate Glass Co., 459 Jackson
Whitehead, Wm. G., 27 E 8th

MISSOURI.

KANSAS CITY—Campbell Glass & Paint Co.
Faxon & Gallagher Drug Co.
Pittsburg Plate Glass Co. (Mfrs.), 5th & Wyandotte
ST. JOSEPH—Pimbley Paint & Glass Co.
ST. LOUIS—Condie-Neale Glass Co., 2500 N Broadway
Glenny-Rutter Glass Co., 114 S 3d
Hadley-Dean Glass Co., 11th c Lucas av
Hafner Mfg. Co., Main & Dock
Isme-Schilling Sash & Door Co., 21st & Papin
Kahn M. Glass Co., 12th c Walnut
Pittsburg Plate Glass Co. (Mfrs.), Spruce & 10th
Pockels Drug, Paint & Glass Co., Gravois av c Jefferson av
Weigelt Glass & Mirror Mfg. Co., 615 S 6th

MONTANA.

HELENA—Parchen Drug Co.

NEBRASKA.

LINCOLN—Western Glass & Paint Co.
OMAHA—Midland Paint & Glass Co.
National Oil & Paint Co., 1015 Jones
Richardson Drug Co., 902 Jackson

NEW JERSEY.

HOBOKEN—Bloomberg, Abraham, 405 1st
JERSEY CITY—Max Lewis, 52 Greene
NEWARK—Bass, Samuel M., 26 Bellevue av
Hassinger, E. P., 13 Springfield
Hockenjos, J. J. Co., 829 Broad
Newark Glass Co., 271 Market
Siegel, Isidore, 8 Charlton
Smith, M. A. (Inc.), Margaretta & Av L
Van Horne, D. A. & Co., 317 Mt. Pleasant
PATERSON—Hamilton Lumber & Mfg. Co.

NEW YORK.

ALBANY—Bradstreet, Wm. H., 165 S Pearl
Cameron, G. V. & F. W., 284 Central av
Fonda, D. H. Drug Co., 14 Green
Kurtz, Jacob, 334 Central av
Wing, Robt. B. & Son, 62 Quay
BINGHAMTON—Binghamton Glass Co.
Lawrence Paint Co.
Sanders, H. H.
BROOKLYN—(See N. Y. City, Borough of Brooklyn)
BUFFALO—Becker Glass & Paint Co., 372 Pearl
Buffalo Glass Co., 96 Seneca
Fritzsche & Kleason, 42 Eagle
National Glass Co., 523 Main
Niagara Glass Works, 1443 Niagara
Post's, John C. Sons, 52 S Division
Schwele & Co., Genesee & Wash'n
Towns Paint & Glass Co., 50 Niagara
Wright, A. B. & Co., 230 Washington
ELMIRA—Booth, Irving D.
ITHACA—Treman, King & Co.
JAMESTOWN—Bush, F. G., Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Donnelly, J. R. Co., 54 Clasmon av
Friedlander, Jos. B. (Ret. of), 184 Fulton
Lazansky, Rmll, 324 Myrtle av
Moll, M. N., 317 Atlantic av
Pittsburg Plate Glass Co., 635 Fulton

Boroughs of Manhattan & Bronx.

NEW YORK—Bache, Semon & Co., West & Hubert
Bartelstone Bros., 4179 3d av
Bartelstone, Harris & Son, 56 Cooper sq. W
Crane Glass & Mfg. Co., 341 Hudson
Dunham, Thos. C., 68 Murray
Elias, Joseph, 220 W 14th
Edmonds, Thos. C. & Co., 1826 Park av
Gilbert & Sturrock, 361 W 42d
Goldman, Philip, 98 Division
Goldstein, Louis, 17 Elizabeth
Griffen, Benjamin, 40 Vestry
Harris, L. & Son, 106 Liberty
Holbrook Bros., 89 Beekman
Hutkoff, Nathan & Co., 38 Hubert
Kahn, Jacques, 533 W 37th
Lewis, Isaac & Sons, 1909 Park av
May, Herman G., 25 Whitehall
Morris, Theo. W. & Co., 440 Canal
Pittsburg Plate Glass Co. (Mfrs.), Hudson & Vandam
Popper, Leo & Sons, 7 Sullivan
Rubin, Jacob, 11 James
Schaefer Bros., 461 W B'way
schottland, Benjamin, 49 Crosby
Shuldiner, David Glass Co., 325 E 64th
Sutphen & Myer, 11 Desbrosses
Thorpe, Jno., 260 W B'way
Vanborne, D. A. & Co., 467 G'wich
Von Bubren, George, 11 Baxter
Weber, C. S. & Co., 10 Desbrosses
Wissmach, Paul, 9 Jones

(End of New York City)

ROCHESTER—Barnard, Porter & Viall, 15 N Water
Becker Glass & Paint Co., Wilder bldg
Clark, Paint, Oil & Glass Co., 131 State
Rugg, C. H., Co., N Union c N. Y. C. R.R.
Versprella, Harry, 52 Division
SYRACUSE—Brown, Clinton C., 205 E Jeff'n
Burbans & Black Co., 136 N Salina
Wood Glass Co.
TROY—Dauchy, Chas. H. Co., 279 River
Thompson, John L. & Sons Co., 163 River
UTICA—Kellogg, Chas. C., & Sons Co.

OHIO.

CINCINNATI—Barron, Boyle Co., 230 E 5th
Cincinnati Plate Glass Co., 108 W 2d
Foy Paint & Glass Co., 633 Main
Glenny, Wm. Glass Co., 10 W Commerce
Kolbe, John Co., 229 W 5th
Meyer, E. H., & Co., 904 Walnut
Neuer, Hyman, 110 E 13th
Peale Paint & Glass Co., 904 Central av
Pittsburg Plate Glass Co., B'way & Court
Tenner, Schreiner & Co., 552 Main
Washburn, Ira D. Co., 1008 Central av
CLEVELAND—Cleveland Window Glass & Door Co., 209 Champlain av, N W
Crane Glass & Mfg. Co., 206 St. Clair av, N E
Diamond Glass Co., 1422 W 25th, N W
Manufacturers' Glass Co., Williamson bldg
Ohio Sash & Door Co., 211 Prospect av, N W
Pittsburg Plate Glass Co. (Mfrs.), 1430 W 3d, N W
Saunders, J. A. Co. 11836 Detroit av, Lakewood
Standard Sash & Door Co., 5108 Euclid av
Teachout, A. Co. 321 Prospect av, N W
COLUMBUS—Columbus Plate & Window Glass Co., 69 E Long
Federal Glass Co., Innis & Parsons ave
Jones, W. R. Glass Co., United Nat. Bank bldg
DAYTON—Irvin, Jewell & Vinson Co.
West Side Lumber Co.
HILLSBORO — Enterprise Planing Mill Co. (Wholesale, etc.)
TOLEDO—Ohio Glass Co., Albion & Baxter
Toledo Plate & Window Glass Co., Elm, Utica & George
YOUNGSTOWN—Youngstown Glass & Paint Co

OREGON.

PORTLAND—Beach, F. E. & Co., 135 1st
Fisher, Thorsen & Co., 162 Front
Fuller, W. P. & Co. (Inc.)
Illinois-Pacific Glass Co., 109 2d
Rasmussen & Co., 229 Taylor

PENNSYLVANIA.

ALLEGHENY — Conroy, Prugh & Co., 1430
Daum & Helm, 623 Ohio, E Western av
ERIE—Erie Window Glass Co.
PHILADELPHIA—Bennett, G. S. & Co., 114
Bennett, H. L., Phila. Bourse N 9th
FRENCH, SAML. H. & CO., 4th & Callowhill. (See adv. index, end of book)
Hires Turner Glass Co., 230 S 30th
Knorr, Edwin B., & Bro., 1817 Orthodox.
Lucas, John & Co., 322 Race Fkd
Nice, Eugene E., 272 S 2d
Pittsburg Plate Glass Co., 11 & Arch
Shoemaker, Benj. H., 205 N 4th
Star Glass Co., 226 N 4th
Steele Glass Co., 622 Locust
Thomas Glass & Mirror Works, 406 N 12th
United States Glass Co., 839 Market
PITTSBURG—Bindley Hardware Co., 420 7th av
Connolly, Thos. A., 18 Parkway E, N S
Cunningham, D. O. Glass Co., 22d c Jane
Kim, Geo. A. & Co., 320 1st av
McCully, Wm. & Co., 7 Wood
Pennsylvania Door & Sash Co., 900 2d av
Pittsburg Plate Glass Co., Frick bldg
Sterling Paint & Glass Co., 101 Wood
Wightman, Thos. Glass Co., 232 2d av
RIDGWAY—Hyde-Murphy Co.
SCRANTON—Washburn, Williams & Co.
WILKES-BARRE—Phelps, Lewis & Bennett Co.

RHODE ISLAND.

PAWTUCKET—Tingley, Frank E.
PROVIDENCE—Johnson, Oliver & Co., 5 Exchange
Perkins Bros. Co., 970 Westminster
Providence Sash & Blind Co., 301 Broad
Rosenblatt, Henry, 91 Washington
Starkweather & Williams Co., 47 Exchange pl

SOUTH CAROLINA.

CHARLESTON—Bird, W. M. & Co.

TENNESSEE.

MEMPHIS—Binswanger & Co., 4 W Calhoun
Cole Mfg. Co.
Drew, Geo. I., Glass Co., 153 Union av
NASHVILLE—Beasley & Sons, 147 N 3d
Riddle Co., 160 N 2d
Warren Bros. Co., 200 N 3d av

TEXAS.

DALLAS—Texas Glass & Paint Co.
EL PASO—Tuttle Paint & Glass Co.
GALVESTON—Baulard, V. L. & Co.
Smith, J. F. & Bro.

UTAH.

OGDEN—Ogden Paint, Oil & Glass Co.
SALT LAKE CITY—Culmer Paint & Glass Co.
Ebert, Geo. W. & Co.

VIRGINIA.

NORFOLK—Clark, Frank T. Co. (Ltd.)
RICHMOND—Abrams Paint & Glass Co. (Inc.)
Binswanger & Co. (Inc.)

WASHINGTON.

SEATTLE—Coast Paint Co., 91 Spring
Fuller, W. P. & Co., 117 Jackson
Nelle & Engelbrecht, 82 W Columbia
SPOKANE—Fuller, W. P. & Co. (Inc.)
TACOMA—Fuller, W. P. & Co. (Inc.)
Pacific Glass & Paint Co.

WEST VIRGINIA.

WHEELING—Chapman, W. H. & Sons

WISCONSIN.

APPLETON—Miller Lumber Co.
LA CROSSE—Kuhn, R. C., Sash & Door Co.
Segelke & Kohlhaus Mfg. Co.
MILWAUKEE—Curtis & Yale Co., 204 Grand av
Dorestan, Enno & Son Co., 297 3d av
Hecht & Zummach, 281 W Water
Patek Bros., 319 E Water
Patton, Jas. E. Co., 494 Market
Yahr & Lange Drug Co., 486 Market
Zummach, Wm. F., 281 W Water
OSHKOSH—Morgan Co.
RACINE—Driver, Thos. & Sons Mfg. Co.
Weber-Bahnemann Co.

Glass (Polished Plate, Mfrs.)

Allegheny Plate Glass Co., Hites, Pa., & Park bldg, Pittsburg, Pa.
American Plate Glass Co., Kane, Pa.
Columbia Plate Glass Co., Blairsville, Pa.
Federal Plate Glass Co., Ottawa, Ill.
Ford, Edw., Plate Glass Co., Rossford, O.
Heldenkamp Mirror Co., Springdale, Pa.
Kittanning Plate Glass Co., Kittanning, Pa.
Penn-American Plate Glass Co., Pittsburg, Pa., & Alexandria, Ind.
Pittsburg Plate Glass Co., Frick bldg, Pittsburg, Pa.
Saginaw Plate Glass Co., Saginaw, Mich.
St. Louis Plate Glass Co., Diamond Bank bldg, Pittsburg, Pa.; Works: Valley Park, Mo.
Standard Plate Glass Co., Butler, Pa.

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COLORADO.

DENVER—Baker, Jas. W., 1823 Champs
Brandt Art Studio, 1429 Tremont

CONNECTICUT.

BRIDGEPORT—Bridgeport Art Glass Co., 153 John
HARTFORD—Hartford Stained Glass Works, 599 Main
NEW HAVEN—Beckman, Otto F., & Co., 78 State
Brown, Hubbell & Puddicombe, 87 Orange

DISTRICT OF COLUMBIA.

WASHINGTON—Vaughan, W. W., 813 H, N W

GEORGIA.

ATLANTA—Arlington Art Glass Works, 53 Auburn av
Atlanta Art Glass Co., 84 Marietta

Colonial Stained Glass Works, 31 Hartford
Cushing & Anderson, 24 Warren, Rox.
Cutter, A. B. Co., 36 Columbus av.
Flagg, L. G. & Co., Sudbury Bldg.
Haggerty, D. W. & Co., 70 Washington
Kelley, W. E. & Co., 38 Chardon
Larrabee, R. B. Co., 27 Sudbury
MacDonald, Donald, 400 Northampton
Murphy, Thomas J., 475 Tremont
Phipps, Horace J. & Co., 65 Bedford
Redding, Baird & Co., 88 Franklin
Spence, Bell & Co., 90 Canal
Union Stained Glass Co., 708 Columbia rd.
Vaughan & O'Neil, 82 Sudbury
Walker, Alexander, 5 Seaver pl.
Wise, G. W. Co., 65 Franklin
WORCESTER—Worcester Stained Glass Works, (David Welch, Prop.)

MICHIGAN.

DETROIT—Detroit Stained Glass Works, Grand River av & 1st
Lee, E. F., Glass Co., 59 Fort E
Michigan Ornamental Glass Co., 21st & Standish

Molic, Frank, 109 Court
Morgan, Jno. & Sons, 17 Union av
Muelbe, L. F., Ave F & E 28th
Passarge, A., 338½ Gates av
Shaw, H. S., 107 B'way
Stuetzle, Chas., 106 S 8th
Summers, Chas., 239 Nassau
Tuckhorn, Francis, 366 Atlantic av

Boroughs of Manhattan & Bronx.

NEW YORK—Armstrong, Maitland & Co., 61 Washington sq. S
Castle, Montague, London Co., 122 W 24th
Church Glass & Decorating Co., 28 W 30th
Colgate Art Glass Co., 8 Gansevoort
Cornell, Chas. J., 345 W B'way
Cornell, J. C Co., 401 W 124th
Decorative Stained Glass Co., 46 Wash. sq. S
Dodge, Robert L., 333 4th av
Dougherty, James, 435 W B'way
Durham, George, 155 E 52d
Empire Ornamental Glass Co., 437 Wash'n
Geissler, Rudolph, 16 W 8th
Grimm, A. C., 155 E 23d

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PATENTEES OF

MILK WHITE "OPAL" GLASS

DES MOINES—Allward, Bowman Glass Co.

KENTUCKY.

LOUISVILLE—Alberts, J. B., 307 1st

LOUISIANA.

NEW ORLEANS—Louisiana Glass & Mirror Works, 309 Lafayette

MAINE.

PORTLAND—Farley, C. H., & Co.

MARYLAND.

BALTIMORE—Gernhardt, H. T. & Co., 411 E Fayette
Gettler, G. W. & Co., 719 N. Eutaw
Southern Stained Glass Co., 620 N. Eutaw

MASSACHUSETTS.

BOSTON—Bartsch, Valentine, La Grange st. (W. R.)
Boston Stained & Cut Glass Works, 88 Franklin
Central Glass Works, 41 Washington

Sharp Bros., 5 [illegible]
ORANGE—Stevens, Jos.
PATERSON—Payne, George H., 40 Park av

NEW YORK.

ALBANY—Blocksidge, Jas., 2 High
Buckley, Thos., 452 B'way
Chapman, Wm. R., 222 Hudson av
BINGHAMTON—Rowland, Chas. P.
BROOKLYN—(See New York City, Borough of Brooklyn, N. Y.)
BUFFALO—Booth's Art Stained Glass Works, 67 Franklin
Briscall, Wm., Co., 58 Genesee
Frohe Art & Stained Glass Establishment, 220 B'way
Terhaar & Mundle, 359 Jefferson

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Arnold & Locke, 250 Fulton
Hausleiter, Julius & Co., 182 Fulton
Jones Decorative Glass Co., 231 Hudson av
Keller, John, 1050 B'way
Lamb, Maskell T., 44 Bergen

Erkins Art Glass Co., [illegible] 421 Elm
Florian, G. C. & Co., 133 E 5th
Ruckel Art Glass Co., 535 Sycamore
CLEVELAND—Korfhage, John H., 2187 E 24
Krause, E. F. Art Glass & Beveling W'ks, 1555 Columbus rd. N. W.
Lewis, H. W., 1042 St. Clair av, N. E.
Ursem Bros., 226 Superior av, N W
Whipple Art Glass Co., 329 Prospect av, N. W.
Woodman, Geo. F., 5513 Kinsman rd, S E
COLUMBUS—Bryant Bros. Art Glass Co., 79 E Main
Von Gerichten Art Glass Co.
DAYTON—Dayton Art Glass Works
Decorative Art Glass Co.
Rossbach Art Glass Works, 105 W Broad
Stevens Art Glass Co., 28 N St Clair
TOLEDO—Toledo Art Glass Co., 416 S St Clair
YOUNGSTOWN—Dolde Art Glass Works
Ohio Art Glass Co.

OREGON.

PORTLAND—Potland Art Glass Works, 283½ Taylor
Povey Bros. Glass Co., 100 N 5th

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ERIE—Messenger, Benj.
PHILADELPHIA—Artistic Stained Glass Wks., Callunan, Martin, 421 N 19th 222 N 4th
Century Stained Glass Works (Ltd.), 212 S 11th
Columbia Stained Glass Works, 25 S 2d
Decorative Glass Co., 3248 Chestnut
Dukes, Henry Glass Works, 2129 Market
FRENCH, S. H. & CO., 4th & Callowhill, (See adv. index, end of book)
Godwin, Alfred, 1343 Arch
Groves, R. S., 617 S Broad
Hawkins, Alfred W., & Son, 1823 S 19th
Hensel, O. F., 28 N 5th
Marcus Bros., 866 N 10th
Oesterle Stained Glass Works, 134 N 10th
Quaker City Stained Glass Works, 1407 Vine
Reith, Wm., 134 N 7th
Schmitt, Chas. N., 4th & Callowhill
Shilling, Albert, 934 N 13th
Smith, H. J. & Sons, 236 S 8th
Warnke, Albert J. F., 716 Dauphin
Weeder, F. Ellsworth, 1710 Chestnut
West Phila. Art Glass Works, 4219 Market
PITTSBURG—Castor, Thos. H., 214 Shetland
Connolly, Thos. A., & Co., 18 E Parkway
Decorative Art Glass Co., 615 Oakwood
Hunt, Henry, 116 Elbon
Marshall, S. S., Art Glass Co., 109 E Lacock
Petren, Francis H., 6711 Hamilton av
Pittsburg Art Glass & Mosaic Decorative Co., Isabella & Federal, N S
Pittsburg Stained Glass Works, 5929 Baum
Rudy Bros. Co., S Highland & Center avs
Schmidt, Chas. J., 14 Excelsior
Stenholm, H. A., 117 Shady av
Twin City Art Glass Works, 14 E Lacock
Willett Stained Glass Co., 6614 Fifth av
READING—Kase, J. M., & Co.

RHODE ISLAND.

PROVIDENCE—Decorative Window Co., 43 N Main
Rhode Island Glass Co., 131 Washington

TENNESSEE.

MEMPHIS—Kemnitz, Emil, 280 S 3d
Memphis Stained Glass Works (John Hughes, Prop.)

VIRGINIA.

NORFOLK—Virginia Art Glass Corp.
RICHMOND—Bunce Art Glass Co.

WASHINGTON.

SEATTLE—Puget Sound Art Glass Co., 2225 9th av
Suess Art Glass Co., 2421 Western av

WEST VIRGINIA.

WHEELING—Wheeling Glass Letter & Novelty Co.

WISCONSIN.

LA CROSSE—Art Glass Mfg. Co.
MILWAUKEE—Enterprise Art Glass Wks, Enterprise bldg
Gavin Mirror & Art Glass Works, 521 Jackson
Hachman Art Glass Co., 168 Reed
Milwaukee Mirror Art & Glass Works, 208 B'way
OSHKOSH—Wisconsin Art Glass Co.

Glass Stainers' Supplies

Deissler, P. & Bro., 249 S 6th, Phila., Pa.

Glass (Structural Sanitary)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
New York Structural Glass Co. ("Cosmos"), 47 W 34th, New York
Penn American Plate Glass Co. ("Novus"). Pittsburg, Pa.

Glass (Vault & Sidewalk, Mfrs.)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, O.
Chicago Flint & Glass Lime Co., 62 Lake, Chicago, Ill.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Imperial Glass Co., Bellaire, O.
Orange County Flint Glass Works (Brox & Ryall, Props.), Port Jervis, N. Y.
RODEFER, T. A. (Tiling for Architectural Iron Work), Bellaire, O. (See adv index, end of book)
Sneath Glass Co., Hartford City, Ind.

*Glass Washboards

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

Glass (Window, Mfrs.)

(Companies marked with a (*) are controlled by the American Window Glass Co.)
*American Window Glass Co., Farmers' Bank bldg, Pittsburg, Pa.
*Anderson Glass Co., Anderson, Ind.
Baker Bros. Glass Co., Arcadia, Ind.
Banner Window Glass Co., Sheridan, Ind.
Baur Window Glass Co., Eaton, Ind.
Brownsville Co-Operative Window Glass Co., Brownsville, Pa.
Chanute Window Glass Co., Chanute, Kan.
Christiana Window Glass Co., Wilmington, Del.
Cole Glass Co., Lancaster, O.
Columbus Plate & Window Glass Co., Columbus, O., & Lancaster, O.
Covington Co-Operative Works, Covington, Pa.
Crown Glass Co., Matthews, Ind.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Cunningham, D. O. Glass Co., S 22d & Jane, Pittsburg, Pa.
Diamond Window Glass Co., Gas City, Ind.
Dunkirk Window Glass Co., Gas City, Ind.
Eastern Ohio Glass Co., Barnesville, O.
Eldred Window Glass Co., Eldred, Pa.
*Elmira Glass Cutting Co., Elmira, N. Y.
George Window Glass Co., Wilcox, Pa.
*Hazlehurst Window Glass Co., Hazlehurst, Pa.
Ithaca Glass Mfg. Co., Ithaca, N. Y.
Johnston Glass Co., Hartford City, Ind.
King, Wm. & Bro., 113 W Fayette, Baltimore, Md.
Marilla Co-Operative Glass Co., Montgomery, W. Va.
More-Jones Glass Co. (Inc.), Bridgeton, N. J.
New Bethlehem Window Glass Co., New Bethlehem, Pa.
Ohio Falls Co-Operative Window Glass Co., New Albany, Ind.
Pacific Window Glass Co., Stockton, Cal.
Pendleton Window Glass Works, Pendleton, Ind.
Pittsburg Window Glass Co., Washington, Pa.
Progress Window Glass Co., Matthews, Ind.
Saginaw Plate Glass Co., Saginaw, Mich.
Smethport Glass Co., Smethport, Pa.
Sun Window Glass Co., Matthews, Ind.
*Swindell Bros., c Bayard & Russell, Baltimore, Md.
Van Cleve Glass Co., Wilcox, Pa.
Western Glass Co., Streator, Ill.
Winslow Glass Co., Matthews, Ind.

Glass (Wire)

Abrogast-Brock Glass Co. (Transparent), Pittsburg, Pa.
Continuous Glass Press Co., Penna. bldg, Philadelphia, Pa.
MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glass (Wire, Approved Fire Stop)

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MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glass (Wire, for Fire-Proof Windows)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glass (Wire, for Show Cases)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glass (Wire, Skylight)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)
MISSISSIPPI WIRE GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Glasses (Cylindrical)

ROGERS, H. A. CO., 10 John, New York. (See adv. index, end of book)

*Glasses (Lamp)

IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)

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Glasses (Port Hole)

Bache, Semon & Co., West & Hubert, New York

Glassware (Chemical & Druggists')

Canton Glass Co., Marion, Ind.
Co-Operative Flint Glass Co. (Druggists'), Beaver Falls, Pa.
Gillinder & Sons (Inc.), 135 Oxford, Phila., Pa.
Hazel Atlas Glass Co. (Druggists'), Wheeling, W. Va.
Penn Glass Tube Co., Bradford, Pa.
Swindell Bros., Bayard & Russell, Baltimore, Md.
Wagner Glass Works (Chemical Glassware & Apparatus), 965 E 132d, New York
Whitall Tatum Co., 410 Race, Phila., Pa.

Glassware (Electrical)

Freeman, Philip & Bros., 92 Bowery, New York

Glassware (Packers')

(See Jars, Fruit)

Glassware (Pressed)

Hazel Atlas Glass Co., Wheeling, W. Va.

Glassware (Stationers')

Tatum, Sam'l C. Co., Cincinnati, O.

Glauber's Salts

American Chemical Co., Cincinnati, O.
Butterworth-Judson Co., Newark, N. J.
Cochrane Chemical Co., Boston, Mass.
General Chemical Co., New York, N. Y.
Grasselli Chemical Co., Cleveland, O.
Merrimac Chemical Co., Boston, Mass.
Powers-Weightman-Rosengarten Co., Phila., Pa.
Thomsen Chemical Co., Baltimore, Md.
Wiarda, John C., & Co., Brooklyn, N. Y.

Glaziers' Points

(See Points, Glaziers')

Globes (Arc Lamp)

Cary, Edw. E. Co. ("Cohesive," Importers), 59 Park pl, New York
Corning Glass Works, Corning, N. Y.
Fostoria Glass Specialty Co. ("Nubiac" Inner), Fostoria, O.
Gill & Co., York & Thompson, Phila., Pa.
Gleason-Tiebout Glass Co., 95 Commercial, Brooklyn, N. Y.
Haskins Glass Co., Martins Ferry, O.
Libbey Glass Co., Toledo, O.
Lippincott Glass Co., Alexandria, Ind.
Macbeth-Evans Glass Co. ("Thermo," "Alba"), Pittsburg, Pa.
Murray, Jas. J. & Co. (Outer Globes Only), Trenton av & Willard, Phila., Po.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co., 15 Murray, New York, & Pittsburg, Pa.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

Globes for Incandescent Light

Consolidated Lamp & Glass Co., 66 W B'way, New York
Fostoria Glass Specialty Co., Fostoria, O.
Gill & Co. (Inc.), c York & Thompson, Phila., Pa.
Gillinder & Sons (Inc.), 135 Oxford, Phila., Pa.
Gleason-Tiebout Glass Co., 99 Commercial, Brooklyn, N. Y.
Handel Co. (Decorated, etc.), Meridan, Conn.
Haskins Glass Co., Martins Ferry, O.
Holophane Glass Co., Newark, O.
Lippincott Glass Co., Alexandria, Ind.
Macbeth-Evans Glass Co. ("Thermo," "Alba"), Pittsburg, Pa.
Murray, Jas. J. & Co., Trenton av & Willard, Phila., Pa.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co. (Electric & Gas), 13 Murray, New York, & Pittsburg, Pa.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

Globes (Fresnal, for Steamships)

Sneath Glass Co. (All Colors), Hartford City, Ind.

Globes (Inner Arc)

(See Globes, Arc Lamp)

Globes (Lantern)

Corning Glass Works, Corning, N. Y.
Gill Bros. Co., Steubenville, O.
Gillinder & Sons (Inc.), 135 Oxford, Phila., Pa.
Libbey Glass Co., Toledo, O.
Lippincott Glass Co., Alexandria, Ind.
Macbeth-Evans Glass Co., Pittsburg, Pa.
Murray, Jas. J. & Co., Trenton av & Westmoreland, Phila., Pa.
RODEFER, T. A. (For Lantern Mfrs.), Bellaire, O. (See adv. index, end of book)
Sneath Glass Co. (All Colors), Hartford City, Ind.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

Globes & Shades (Prismatic)

Holophane Glass Co., Newark, O.

Gloves (Insulating)

(See Gloves, Rubber)

Gloves (Rubber)

Consumers Rubber Co. ("Standard"), Cleveland, O.
Davol Rubber Co., Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich, B. F. Co., Akron, O.
Goodyear Rubber Co., 787 B'way, New York
Goodyear's India Rubber Glove Mfg. Co., 503 B'way, New York
Imperial Rubber Mfg. Co. ("I. R." Seamless), Canton, O.
Miller Rubber Mfg. Co. (Also Finger Cots), Akron, O.
National India Rubber Co., Bristol, R. I.
Rubber Products Co., Barberton, O.

Glue (Fish)

American Glue Co., 150 Kinzie, Chicago, Ill.
Dodd, A. W. & Co., Gloucester, Mass.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Russia Cement Co., 103 Reade, New York
Tower & Lyon Co., 95 Chambers, New York
Whittemore Bros. & Co., Cambridge, Mass.

Glue (Gelatine)

HEWITT, C. B. & BROS. (All Grades for all Purposes), 49 Beekman, New York. (See adv. index, end of book)
Michigan Carbon Works, Detroit, Mich.

*Glue Heaters (Electric)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Glue (Marine)

Ferdinand, L. W., & Co. ("Jeffrey's" Sole Importers), 201 South, Boston, Mass.
GROSCHE, BRUNO & CO., 13 Jones la, New York. (See adv. index, end of book)

Glue (Shlac-lac)

Union Caseine Co. (Adheres to Glass, Metal, Wood, Leather, etc.), Philadelphia, Pa.

Glue Mfrs.

CALIFORNIA.

SAN FRANCISCO—Armour Glue Works, 247 Pine
Butcher, L. H. Co., 208 1st
California Glue Works, 6th av, So.
Western Meat Co., 6th & Townsend

DELAWARE.

WILMINGTON—Delaware Glue Co.

DISTRICT OF COLUMBIA.

WASHINGTON—O'Meara, Jno. N., 210 N, S W
Royal Glue Co., 1308 New York av, N W

ILLINOIS.

AURORA—Alba Mfg. Co.
CHICAGO—American Glue Co., 150 Kinzie
*Armour Glue Works, 3131 Benson
Baeder, Adamson & Co., 172 Lake
Bailey, C. T. & Co., 9 Jackson boul
California Glue Works, 9 Jackson boul
Chicago Glue Co., 1 Austin av
Clarkson Glue Co., 26 River
Delany & Co., 204 S Clinton
Dennis, Wm. J & Co., 916 W Lake
Diamond Glue Co., 218 La Salle
Herrmann, J. F., & Co., 279 Dearborn
Hirsh, Stein & Co., 2841 S Ashland av
Layton Elastic Glue Co., 319 W 68th
Lister, Jos., 1158 Elston av
Midland Glue Co., 218 La Salle
Northwestern Glue Co., 144th & Packers av
Spiegel, J. & Co., 218 La Salle
Stein, Hirsh & Co., 2597 Archer av
Swift & Co., Union Stock Yards
Thurston, F. W. & Co., 29 River
U. S. Glue Co., 163 Lake
Wisdom & Co., 205 E. Lake

INDIANA.

INDIANAPOLIS — National Glue Co., 525 W
NEW ALBANY—Conrad & Krammerer 14th

MARYLAND.

BALTIMORE—Baugh & Sons Co., 25 S Calvert
Coulson, Edw. L., 1208 E North av
Standard Glue Co., 350 N Holliday
Stricker, Henry M. & Co., 1517 Howard
Wachter Mfg. Co., 509 W Pratt

MASSACHUSETTS.

BILLERICA—Jaquith, F. & J.
BOSTON—American Glue Co., 121 Beverly
Armour Glue Works, 49 Purchase
Baeder, Adamson & Co., 68 High
Commonwealth Glue Co., 655 Atlantic av
Consumers Glue Co., 157 Federal
Diamond Glue Co., 164 Federal
Ferdinand, L. W. & Co. (Cement "20th Century" & "Jeffrey's" Marine Sole Importers), 201 South
Hammond Glue Co., 121 Beverly
Holdfast Glue Co. ("Holdfast Animal Liquid"), 414 Atlantic av
International Glue Co., 176 Atlantic av
Martin, D. B., Co. (Inc.), 415 Atlantic av
Nash, E. W. Co., 90 Pearl
Rogers, E. A., 170 Summer (Importer)
Standard Glue Works, 88 Purchase
Whitten, J. O. Co., 68 Western av, Br.
GLOUCESTER—Dodd, A. W. & Co., 5 Wharf
Gloucester Isinglass & Glue Co., Eastern av
Russia Cement Co., off Essex av
LOWELL—Holt, Jno., & Co.
MARBLEHEAD—Marblehead Mfg. Co.
PEABODY—American Glue Co.
ROCKPORT—Elwell, B. F., Glue Co.
WOBURN—Baeder, Adamson & Co.
WORCESTER—Darling, L. B. F. Co.

MICHIGAN.

DETROIT—Fischer Gelatine Co., 2519 Jefferson av, W
Michigan Carbon Works, Forman & Carbon av
United States Glue Co., 1132 3d av
GRAND RAPIDS—G. R. Glue Co.
MUSKEGON—Schneidt, Aug.

MINNESOTA.

MINNEAPOLIS—Barber, W. H., Lumber Exch

MISSOURI.

ST. JOSEPH—Swift & Co., Stock Yards
ST. LOUIS—American Glue Co., 410 Elm
Clarkson Glue Co., 216 N Main
Mathiason, P. B. Mfg. Co., 5342 N. 2d
Reardon Mfg. Co., 1533 N B'way
St. Louis Glue Mfg. Co., 121 Locust
Tamm Bros. Glue Co., Vandeventer av nr Wabash

NEW HAMPSHIRE.

KEENE—Keene Glue Co.

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NEWARK—Baeder, Adamson & Co., Lockwood c Albert av
Lister Agricultural Chemical Works, Lister av

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Bleibdon, Victor R. Buffalo Reduction Co.
Couch, B. I. & Co.
GLOVERSVILLE—Fulton County Glue Co.
JOHNSTOWN—Fulton County Glue Co.
Knox, C. B., 217 Chestnut

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Arabol Mfg. Co., 58 Nostrand av
Cooper's, Peter Glue Factory, Maspeth av nr Gardner av

Boroughs of Manhattan & Bronx.

NEW YORK—Am. Agricultural Chem. Co., 10 Ferry
Armour Glue Works, 211 Pearl
Baeder, Adamson & Co., 67 Beekman
Bird, J. A. & W., Co., 62 Malden la.
Cooper's Peter, Glue Factory, 13 Burling
Delany & Co., 241 Water st
Eagle Glue & Curled Hair Co., 2 Dover
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Isaac, S. & Co., 100 William & 200 Pearl
Milligan & Higgins Glue Co., 222 Front
National Glue & Gelatine Works, 502 W 45th
National Gum & Mica Co., 502 W. 45th
Russia Cement Co., 103 Reade
Somerville's, Wm. Sons, 202 Pearl
Stevenot, Chas. J. & Co., 388 Pearl
Townsend, Chas. & Bro., 270 Pearl

OHIO.

CINCINNATI—Bird Glue Co., 3d & Main
Marienthal & Co., John & Livingston sts S W
Stephens & Bro., Miami Canal & Marshall av
CLEVELAND—Masek, Chas., 1320 Denison av, S W

PENNSYLVANIA.

LANCASTER—Lamparter, E. J.
Lamparter, Geo.
PHILADELPHIA—American Glue Co., 142 N Front
Baeder, Adamson & Co., 210 Chestnut
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Berg, A. Glue Co., Ontario below Richmond
Commonwealth Glue Co., 108 Walnut
Delaney & Co., 208 N 3d
Diamond Glue Co., 323 Chestnut
Haws, Dan'l B., 30 N 5th
Martin, D. R. Co. (Inc.), Land Title bldg
National Gum & Mica Co., 240 N Front
Philadelphia Glue Co., Lippincott bldg
Tunnell, F. W. & Co., 15 N 5th
PITTSBURG—Wilhelm, Henry, 136 10th
WARREN—Keystone Glue Co.

WISCONSIN.

MANITOWOC—Manitowoc Glue Co.
MILWAUKEE—United States Glue Co.

Gluers (Paper Box)

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Glutinate

Loos & Dilworth, 134 S Front, Phila., Pa.

Glycerine

Alba Mfg. Co., Aurora, Ill.
Clarkson Glue Co., 26 River, Chicago, Ill.
Goodwin Mfg. Co. (Chemically Pure), St. Louis, Mo
Grasselli Chemical Co. ("C-P"), The Arcade Cleveland, O., & 63 Wall, New York
Harshaw, Fuller & Goodwin Co., Electric bldg, Cleveland, O.
Marx & Rawolle, 100 William, New York
Proctor & Gamble Co., Cincinnati, O.
Schneider, E. & Co., Fisher bldg, Chicago, Ill.
Tennant's, C. Sons & Co. (Importers), 70 William, New York
Will & Baumer Co (Distillers), Syracuse, N. Y.

Goggles (Sand Blast)

American Diamond Blast Co., 50 Church, New York

Goggles & Eye Protectors

Demmerle & Co., 248 W 23d, New York
Detroit Motor Car Co., Detroit, Mich.
Globe Optical Co., Boston, Mass.
Hayward, S. F. & Co., 39 Park pl, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lamb Eye Shield Co., Boston, Mass.
Meyrowitz, E. B., 104 E 23d, New York
Motor Car Supply Co., 1420 Michigan av, Chicago, Ill.
Munsell, Eugene Co., 218 Water, New York
Opthalmuscope Co., Toledo O.
Rhode Island Eye Shield Co. ("Weldron"), Providence, R. I.
Scheidig, Jno. B. & Co., 43 Maiden la, New York
Spencer Optical Co., 12 Maiden la, New York
Stanfield Lorsch Co., 37 Maiden la, New York
Scheffer & Russum Co., St. Paul, Minn.
Texas Co., Chicago, Ill.

Gold Leaf for Outside Decorations

Hickson, Stephen, 559 Broome, New York
Kemp, W. H. Co., 105 Spring, New York

*Gold and Silver Sheet & Plate

UNITED WIRE & SUPPLY CO., 109 Summer, Providence, R. I. (See adv. index, end of book)

Gongs (Car, Etc.)

(See Bells & Gongs, Car)

Gongs (Electro-Mechanical)

Boston Electric Co., 20 Harrison av, Boston, Mass.
BUNNELL, J. H. & CO., Park pl & Church, New York. (See adv. index, end of book)
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Edwards & Co., 140th & Exterior, New York
Gamewell Fire Alarm Telegraph Co., 19 Barclay, New York
Marshall Electric Co. ("M-S"), Boston, Mass
Partrick, Carter & Wilkins Co., 22d & Wood Phila., Pa.
Pearee, Frederick Co., 18 Rose, New York
Star Electric Co., Binghamton, N. Y.

*Gongs (Steam)

UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)

Gongs (Unmounted Electric Bell)

American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn. (See Hardware & Woodenware Mfg. Co.)
Hardware & Woodenware Mfg. Co., 826 B'way, New York
Hill, N. N. Brass Co., East Hampton, Conn (See Hardware & Woodenware Mfg. Co.)
Plume & Atwood Mfg. Co., Waterbury, Conn
Waterbury Mfg. Co., Waterbury, Conn.

Gouges

BERNZ, OTTO S., 13th c S Orange, Newark, N. J. (See adv. index, end of book)
Bradley's G. W. Sons (Inc.) (Ship), Westport, Conn.
Buck, Chas., Millbury, Mass.
Buck Bros., Millbury, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
New England Specialty Co., North Easton, Mass.
Ohio Tool Co., Columbus O.
Reliance Edge Tool Co., Youngstown, O.
Stortz, John, & Son, 210 Vine, Phila., Pa.
Swan, Jas. Co., Seymour, Conn.
White, L. & I. J. Co., Buffalo, N. Y.
Winsted Edge Tool Works ("T. H. Witherby"), Winsted, Conn.

Governors (Compressor)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co. ("Erie"), Erie, Pa., & Pittsburg, Pa.

Governors (Electric Pump)

Fisher Governor Co. ("Pearson"), Marshalltown, Iowa
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
Ford, Thos. P., Co., 407 Broome, New York

Governors (Feed Water)

(See Regulators, Feed Water)

Governors (Gas)

Baylis Company, 140 Washington, New York
Cadman, A. W. Mfg. Co. ("Cadman's"), 2814 Smallman, Pittsburg, Pa.
Chaplin-Fulton Mfg. Co. ("Fulton" for District or Service Use; also "Duplex" Sensitive with Automatic Cut-Off), Pittsburg, Pa.
Connelly Iron Sponge & Governor Co. (Automatic, Balance, High Pressure & Service), 50 Church, New York
Equitable Meter Co. ("Crawford," Street Main Governors), Pittsburg, Pa.
Ford, A., Oakland, Cal.
Gas Machinery Co., Citizens bldg, Cleveland, O.
Helme & McIlhenny ("Foulis" Station), 1339 Cherry, Phila., Pa.
Isbell-Porter Co. (Street Governors), Newark, N. J.
Lee Gas Governor Co., Providence, R. I.
Leffler, Chas. & Co. ("Automatic"), 63 Clymer, Brooklyn, N. Y.
New Amsterdam Mfg. Co. ("The Colonial"), 104 Washington, New York
Reynolds Gas Regulator Co. (High Pressure), Anderson, Ind.
WILSON, F. CORTEZ & CO., 2339 Lake, Chicago, Ill. (See adv. index, end of book)

*Governors (Motor Compressor)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
WESTINGHOUSE TRACTION BRAKE CO., Pittsburg, Pa.

Governors (Oil, Pneumatic)

National Brake & Electric Co. ("National," for Electric Cars), Milwaukee, Wis.

Governors (Pressure)

FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
Johnson Service Co. (For Steam Boilers, Air Compressors, etc.), Milwaukee, Wis.

Governors (Pump)

(See also Regulators, Pump)

Acton, John (Leather Cup Pump Governors), 116 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
All Metal Valve Co. (Vacuum), 130 Liberty, New York
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Atlas Engineering Co., Newark, N. J.
Atwood & Morrill ("XX Century"), Salem, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Boston Steam Specialty Co., 168 Congress, Boston, Mass.
Burrows Mfg. Co. (Automatic), York, Pa.
Carr, E. M. Pump Governor Co., New Castle, Ind.

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Chaplin-Fulton Mfg. Co., Pittsburg, Pa.
Chicago Engineer Supply Co. ("Boylston"), 112 Lake, Chicago, Ill.
Consolidated Engineering Co. ("Van Auken," for Feed & Vacuum Pumps), cor Jackson & Canal, Chicago, Ill.
Collins Mfg. Co. ("Griffith's" Automatic), 612 Chestnut, Phila., Pa.
Davis, G. M. Regulator Co. (Auto. Condenser & Receiver), 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co., 24 Canal, Boston, Mass.
DONEGAN & SWIFT, 9 Murray, New York. (See adv. index, end of book)
Fisher Governor Co. ("Fisher"), Marshaltown, Ia.
Ford, Thos. P. Co. (Automatic), 407 Broome, New York
FOSTER ENGINEERING CO. (Diaphragm or Piston Operated, Hydraulic, Ammonia, Excess Boiler Feed, Vacuum, Fuel Oil, etc.), 119 Monroe, Newark, N. J. (See adv. index, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Hughson Steam Specialty Co. ("Eclipse"), 860 S Halstead, Chicago, Ill.
Ideal Automatic Mfg. Co. ("Ideal"), 125 Water, New York
Johnson Service Co., Milwaukee, Wis.
Kieley & Mueller ("Rockaway" Automatic), 7 W 13th, New York
Kitts Mfg. Co. (Pressure), Oswego, N. Y.
Klipter Mfg. Co. ("K. & T.," "Mets"), 44 N Carpenter, Chicago, Ill.
Linton Machine Co., 20 Cortlandt, New York
Locke Regulator Co. ("Beats-All"), Salem
Mason Regulator Co., Boston, Mass.
Middlesex Machine Co. ("Legg"), Lowell, Mass.
Monash-Younker Co. ("Monarch"), 201 S Canal, Chicago, Ill.
Murray Automatic Boiler Feed Co., Detroit, Mich.
Northern Equipment Co. ("Copes"), Old Colony bldg, Chicago, Ill.
OTIS ELEVATOR CO. (Electric), 17 Battery pl, New York. (See adv. index & branch offices, end of book)
S. C. Regulator Co. ("S.-C."), Fostoria, O.
Schaeffer & Budenberg Mfg. Co., 903 Kent av, Brooklyn, N. Y.
Simonds Heating & Specialty Co. ("Simonds" Vacuum Pump), Detroit, Mich
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Steam Appliance Co. ("Victor"), Milwaukee Wis.
STRONG, CARLISLE & HAMMOND Co. ("The Squires"), 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Van Auken Motor & Machine Works, Bridgeport, Conn.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Waters Governor Co., Everett, Mass., & Boston, Mass
Watson & McDaniel Co. ("Watson" Steam Pump), 146 N 7th, Phila., Pa.
Watts Regulator Co. (Watts), Lawrence, Mass.
Williams, D. T. Valve Co., 904 B'way, Cincinnati, O.
Williams Gauge Co. ("Williams"), 543 4th av, Pittsburg, Pa.

Governors (Steam Engine)

Bayard, M. L. & Co., Woodbine, N. J.
DONEGAN & SWIFT, 9 Murray, New York. (See adv. index, end of book)
Eclipse Governor Co. ("Eclipse"), Vicksburg, Mich.
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Gunther Mfg. Co., Owensboro, Ky.
Jarecki Mfg. Co., Erie, Pa.
Jones & Kuhlke ("Standard"), Akron, O.
Judson Governor Co., Rochester, N. Y.
Nordberg Mfg. Co. (Automatic Cut-off), 470 Virginia, Milwaukee, Wis.
Pickering Governor Co., Portland, Conn.
Sinker-Davis Co. ("King," "Hoosier," "Rites") 230 S Missouri, Indianapolis, Ind
Waters Governor Co., Everett, Mass., & Boston, Mass.
Watts Regulator Co., Lawrence, Mass.

Governors (Water Wheel)

COHOES IRON FOUNDRY & MAchine Co. ("Snow"), Cohoes, N. Y. (See adv. index, end of book)
Holyoke Machine Co., Holyoke, Mass.
Humphreys Machine Co., Keene, N. H.
Hunt, Rodney Machine Co., Orange, Mass.
Lobel, Jas. & Co., Springfield, O.
Lombard Governor Co., Ashland, Mass.
Ludlow Valve Mfg. Co. (Sturgess Engineering Dept.) ("Sturgess"), Troy, N. Y.
Replogle Governor Works, Akron, O.
Sturgess Engineering Dept. of Ludlow Valve Mfg. Co. ("Sturgess"), Troy, N. Y.
Trump Mfg. Co., Springfield, O.
Woodward Governor Co., Rockford, Ill.

Grabber (Anti-Waste)

Lawrence, V. O. Co. (For Journal Boxes), Philadelphia, Pa.

Gradometers

(See Meters, Distance Recording)

Grain Doors

(See Car Doors & Fittings)

Grain Elevator Builders

American Machinery & Construction Co., Milwaukee, Wis
Barnard Machinery Co., Enterprise, Kan.
Barnett & Record Co., Corn Exch, Minneapolis, Minn
Buege, L., Boston Blk., Minneapolis, Minn.
Campbell, J. A. & Son, Lincoln, Neb.
Chapman, A. F. & Co., Prudential bldg, Buffalo, N. Y.
Concrete Construction Co. (Reinforced Concrete), Bailey bldg, Philadelphia, Pa.
Griesser, Wilhelm Engineering Co., 11 B'way, New York
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link, John Co., Minneapolis, Minn.
Macdonald Engineering Co., Monadnock blk, Chicago, Ill.
Metcalf, John S. Co., Woman's Temple, Chicago, Ill
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Modern Warehouse Elevator Co., Colfax, Wash.
Steel Storage & Elevator Construction Co. (Steel), Prudential bldg, Buffalo, N. Y.
STEWART, JAS. & CO., New Nat'l Bank of Commerce bldg, St. Louis, Mo. (For complete list of branch offices, see end of book)
Younglove Construction Co., Mason City, Iowa

Grain Elevators (Portable)

Camp Bros. & Co. ("Camp"), Metamora, Ill.
Engel, J. A. & Co. ("Duerinser"), Peoria, Ill.
King & Hamilton Co. ("American"), Ohawa, Ill
Marseilles Mfg. Co. ("Marseilles"), Marseilles, Ill.
Meadows Mfg. Co. ("Rocke"), Meadows, Ill.
Portable Elevator Mfg. Co. ("Little Giant"), Bloomington, Ill.
Schroeder Bros. ("Schroeder's"), Minier, Ill.
Steele, Ben. Weigher Mfg. Co., Peoria, Ill.
Warner Elevator Mfg. Co. ("Dakota," "Gopher," "North Star," "Warner"), Warner, Ill.
Wenzelmann Mfg. Co. ("Weuzelmann"), Galesburg, Ill.

Granite (Black)

Peirce, John Co., 00 West, New York

Granite Building Work (Cutters' & Contractors')

(These names are duplicated under the head of Granite Producers, Workers & Dealers)

Anderson, Ola, Concord, N. H.
Benvenue Granite Co., 41 Park Row, New York
Birney, R. C. & Co., 1215 Filbert, Phila., Pa.
Bishop, J. W. Co., Worcester, Mass., Boston, Mass., Providence, R. I
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 207 B'way, New York
BROWN, HERBERT L. CO., 26th & 5th av New York. (See adv. index & branch offices, end of book)
Cross Bros., Northfield, Vt., & 27 E 21st, New York
ELLIS, E. B. GRANITE CO., Northfield, Vt. (See adv. index, end of book)
Fletcher, H. E. & Co. (Mausoleums, Vaults etc.), West Chelmsford, Mass.
Flint Granite Co., 1133 B'way, New York.
Flynt, W. N. Granite Co., Monson, Mass.
Georgia Quincy Granite Co., Macon, Ga.
Granite Railway Co., Quincy, Mass.
GUILFORD & WALTERSVILLE Granite Co., 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
Hallowell Granite Works, Hallowell, Me., & 53 State, Boston, Mass.
Jones Bros. Co. (Monumental Work a Specialty), Boston, Mass.
Ladd, F. M. & Co., New London, Conn.
LEOPOLD, J. & CO., 18 B'way, New York. (See adv. index, end of book)
McClenahan Granite Co., Port Deposit, Md.
Maine Red Granite Co., Red Beach, Me.
Maine & New Hampshire Granite Co., Portland, Me.
Mitchell, Geo. H., First National Bank bldg, Chicago, Ill.
Mount Waldo Granite Works, Frankfort, Me., & 277 B'way, New York
NEW ENGLAND GRANITE WORKS, Westerly, R. I. (See adv. index & branch offices, end of book)
Norcross Bros. Co., Worcester, Mass.
North Carolina Granite Corp., Mount Airy, N. C.
Peirce, Jno. Co., 90 West, New York
PENNA MARBLE & GRANITE CO., Penna bldg, Phila., Pa. (See adv. index, end of book)

PENNA WHITE

UNIFORM COLOR,
HARD CLOSE GRAIN, THE

MOST DURABLE BUILDING STONE

Will preserve original color and appearance under the most severe climatic conditions.

HIGH CLASS BUILDING WORK.
MAUSOLEUMS A SPECIALTY.

Penna Marble & Granite Co.

Quarry Owners & Cut Stone Contractors,

Penna Bldg., PHILADELPHIA, PA.

PETERSBURG GRANITE CO., 3 E Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
Pigeon Hill Granite Co., Rockport, Mass.
ROCKPORT GRANITE CO., Rockport, Mass. (See adv. index & branch offices, end of book)
St. Cloud Granite Works, St. Cloud, Minn.
SCHILLING, FRANK H., 614 Hale bldg., Phila., Pa. (See adv. index, end of book)
Schneider Granite Co., Fullerton bldg., St. Louis, Mo.
Swenson, Jno, Concord, N. H.
Troy White Granite Co., Troy, N. H., & Worcester, Mass.
Twen. Cen. Granite Co., Little Rock, Ark.
Venable Bros., 804 Temple Ct, Atlanta, Ga.
Webb Granite & Construction Co., Worcester, Mass.
Webb Pink Granite Co. ("Milford Pink"), Quarries: Worcester, Mass.
Wells, Lamson Quarry Co., Barre, Vt.
Wetmore & Morse Granite Co. (Rough Barre Granite), Montpelier, Vt.
White Granite Co., Long Island City, N. Y.
Windsor Green Granite Co., Worcester, Mass., & Windsor, Vt.
Winnsboro Granite Co., Rion, S. C.
Woodbury Granite Works, Hardwick, Vt.

Granite Columns (Polished)

Blake, Chas. G. & Co., 184 La Salle, Chicago, Ill.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 207 B'way, New York

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BROWN, HERBERT L. CO., 26th & 5th av. New York. (See adv. index & branch offices, end of book)
Fletcher, H. E. & Co., West Chelmsford, Mass.
Fletcher & Lahey, West Chelmsford, Mass.
Granite Railway Co., Quincy, Mass.
Hallowell Granite Works, Hallowell, Me.
Jones Bros. Co., 101 Summer, Boston, Mass.
NEW ENGLAND GRANITE WORKS, Westerly, R. I. (See adv. index & branch offices, end of book)
Norcross Bros. Co., Worcester, Mass.
PENNA MARBLE & GRANITE CO., Penna bldg, Phila., Pa. (See adv. index, end of book)
PICTON ISLAND RED GRANITE CO. (Pink & Red), 320 5th av, New York. (See adv. index, end of book)
Richards John R., Quincy, Mass.
ROCKPORT GRANITE CO., Rockport, Mass. (See adv. index & branch offices, end of book)
St. Cloud Granite Works, St. Cloud, Minn.
SCHILLING, FRANK H., 614 Hale bldg., Philadelphia, Pa. (See adv. index, end of book)
Simmers & Campbell (Turned & Polished), St. Cloud, Minn.
Wells, Lamson Quarry Co., Barre, Vt.
White Granite Co., West av, Long Island City, N. Y. Quarries: Blue Hill, Me.
Woodbury Granite Co., Hardwick, Vt.

Granite (Crushed)

(See Stone, Crushed; also Trap Rock)

Granite (Ligonier)

Booth & Flinn (Ltd.), 1942 Forbes av., Pittsburg, Pa.

Granite Mausoleum & Vault Builders

(See Granite Building Work, Cutters & Contractors)

Granite Meal

Donovan, Jno. J., 203 B'way, New York
McClenahan Bros. Granite Co., Port Deposit, Md.

*Granite (Monumental)

BROWN, HERBERT L. CO. (Jersey & No. Carolina Pink, Hallowell White & Maine Red), 26th & 5th av, New York. (See adv. index & branch offices, end of book)
PICTON ISLAND RED GRANITE CO. (Pink & Red), 320 5th av, New York. (See adv. index, end of book)
SCHILLING, FRANK H., 614 Hale bldg., Phila., Pa. (See adv. index, end of book)

Granite (Monumental Work)

(See Granite Building Work, Cutters & Contractors; also Barre, Vt.; Quincy, Mass., & Westerly, R. I., in Granite Producers, Workers & Dealers)

*Granite (Porphyry Syenite & Labradorite)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Granite Producers (Pink)

Balfour Quarry Co., Asheville, N. C.
Booth Bros. & Hurricane Isle Granite Co., 207 B'way, New York
BROWN, HERBERT L. CO. (Jersey & No. Carolina Pink), 26th & 5th av, New York. (See adv. index & branch offices, end of book)
Fletcher, H. E. & Co., West Chelmsford, Mass.
Geddis & Serrie Stone Co., Continental bldg, Denver, Colo.
Lovejoy Granite Co., Milford, N. H.
LEOPOLD, J. & CO., 18 B'way, New York. (See adv. index, end of book)
Milford Quarry & Construction Co., Milford, N. H.
NEW ENGLAND GRANITE WORKS, Westerly, R. I. (see adv. index & branch offices, end of book)
Norcross Bros. Co. (Milford Pink), Worcester, Mass.
PICTON ISLAND RED GRANITE CO. (Also Red), 320 5th av, New York. (See adv. index, end of book)
SCHILLING, FRANK H., 614 Hale bldg., Phila., Pa. (See adv. index, end of book)
Sweeney Granite Works, Westerly, R. I.
Webb Pink Granite Co., Worcester, Mass.

Granite Producers (Red)

Anderson Bros. & Johnson (Wassau Red), Granite Heights, Wis.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 207 B'way, New York
BROWN, HERBERT L. CO. (Maine Red), 26th & 5th av, New York. (See adv. index & branch offices, end of book)
LEOPOLD, J. & CO., 18 B'way, New York. (See adv. index, end of book)
Maine Red Granite Co., Red Beach, Me.
NEW ENGLAND GRANITE WORKS, (Westerly Red, etc.), Westerly, R. I. (See adv. index & branch offices, end of book)
Norcross Bros. Co. (Stony Creek, etc.), Worcester, Mass.
Peirce, John Co., 90 West, New York
PICTON ISLAND RED GRANITE CO. (Also Pink), 320 5th av, New York. (See adv. index, end of book)
ROCKPORT GRANITE CO., Rockport, Mass. (See adv. index & branch offices, end of book)
SCHILLING, FRANK H., 614 Hale bldg., Phila., Pa. (See adv. index, end of book)
Smith Granite Co., Westerly, R. I.
Sweeney Granite Works, Westerly, R. I.

Granite Producers, Workers & Dealers

(Those marked with the Star (*) have Quarries)

All other Granite classifications are duplicates of this list.

(See also Granite Building Work, Cutters & Contractors; also Granite Columns, Polished: also Marble Producers; also Stone Producers, Workers & Dealers)

CALIFORNIA.

EXETER—*Rocky Point Granite Works
NEVADA CITY—*Bridges, E. D.
PENRYN—*Griffith, David
Allson, Oscar
Anderson, Oscar
Brand Granite Co.
California Granite Co.
Hendrickson, S.
Hippikka, H.
Jauhila, Jacob
*Johnson, Peter
*Kestl, O.
Lawrence Development Co.
Marx, Albert W.
Naykki, Nicholas
Pisila, John
Roberts, David A.
Ruhkala, Matt
SACRAMENTO—*Carlow Bros.
SAN DIEGO—*Simpson, Pirnie Granite Co.
SAN FRANCISCO—McGilvray Stone Co., Townsend nr 7th
McGilvray Stone Co., Townsend nr 7th
Raymond Granite Co., 10th & Division
SAN JOSE—*Western Granite & Marble Co.

COLORADO.

DENVER—*Denver Marble & Granite Co., 1224 Lawrence
*Denver Marble & Granite Co., 1224 Lawrence
Geddis & Seerie Stone Co., Continental bldg
Rauh, Mrs. A., 3001 Blake

CONNECTICUT.

GROTON—*Salter, J. & Son
HADDAM—*Dickinson, Azariah
LEETES ISLAND—Beattie, John
MILLSTONE—Gardner, Henry
NEW HAVEN—Bowden, Thos., 189 Sylvan av
NEW LONDON—Booth Bros. & Hurrican Isle Granite Co. (Red, Grey, White, etc.)
Buckley, Michael, D.
*Kopp, Jacob K.
Ladd, F. M. Co.
Sayle, Thos., Jr.
NORWALK—Bates, Jno. S.
STONY CREEK—Stony Creek Red Granite Co
WATERFORD—*Booth Bros. & Hurricane Isle Granite Co.

DISTRICT OF COLUMBIA.

WASHINGTON—*Acker & Co., 524 N. J. av, N W
Falvey, Michael J., Pa. av c 21st, N. W.

GEORGIA.

ATLANTA—Atlanta-Indiana Stone Co.
Cherokee Marble & Granite Co.
Georgia Granite Co.
Pine Mountain Granite Co.
*Venable Bros., Temple Court
ELBERTON—Elberton Granite Co.
*Long Blue Granite Co.
LITHONIA—Brand, J. T.
Brantley Granite Co.
Evans, W. P.
Kelly Granite Co.
*Pine Mountain Granite Co.
Reagan, E. O. & Co.
*Southern Granite Co.
MACON—*Georgia Quincy Granite Co.
REDAN—*Wells Granite Co.
SAVANNAH—Dixie Stone Co.
TATE—Sickles, Geo. B. Marble Co.

ILLINOIS.

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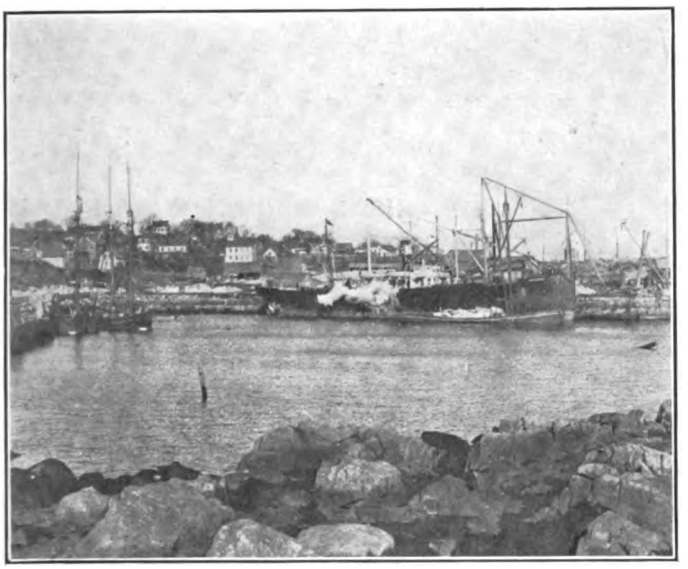
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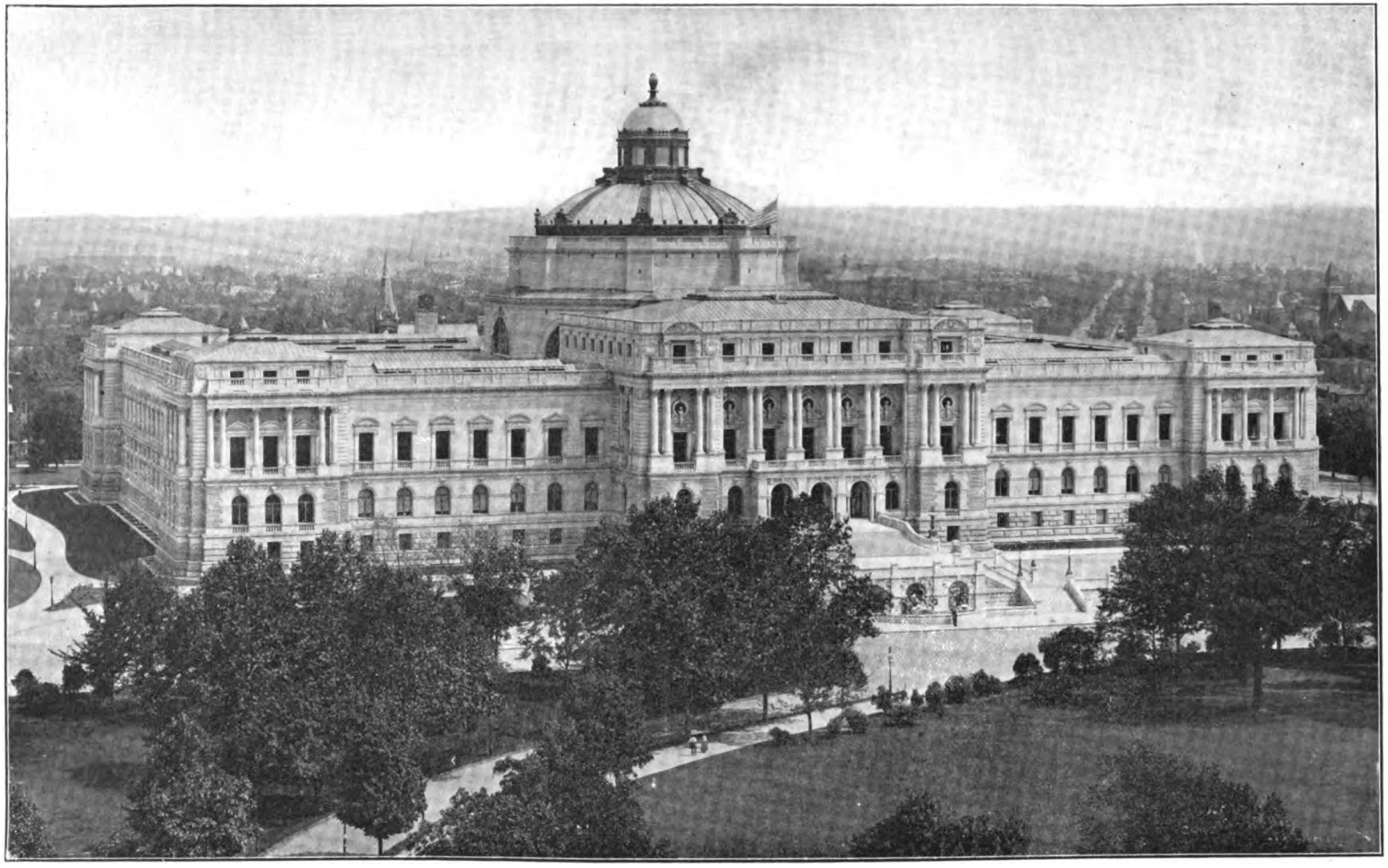
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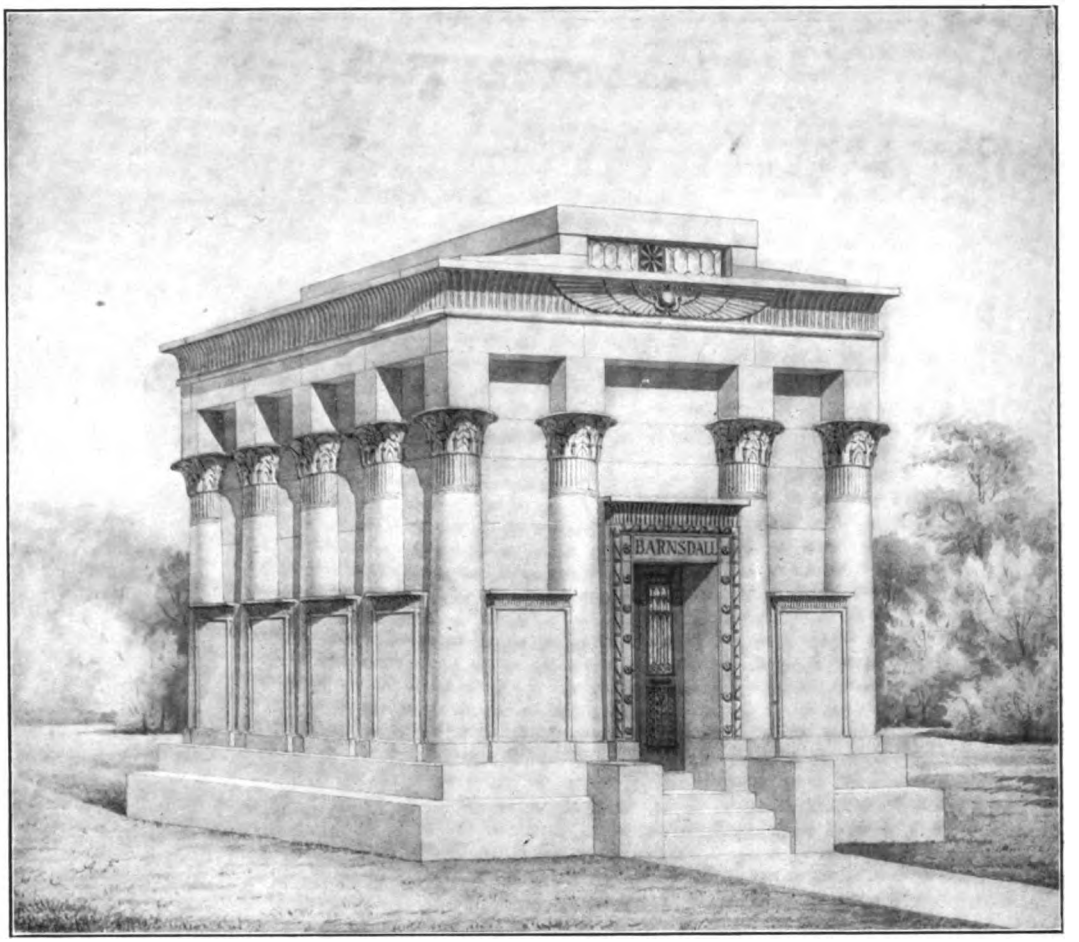
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*Smithfield Granite Co.
Tingley, E. H., Co. (Polisher)
WESTERLY—*Calder & Carnie Westerly Granite Co.
Catto Granite Co.
Coduri & Marzoli
Columbia Granite Co.
*Farrell, A. & Sons
Flynn, Maurice W.
*Gourlay Granite Works
Morrison, A. C.
*Murray, Alex. & Co.
Newall, Jos. & Co.
***NEW ENGLAND GRANITE WKS.** (See adv. index, end of book)
*Smith Granite Co.
Spargo, Wm.
*Sweeney Granite Works (Grey, Pink, Blue, Red & White)

SOUTH CAROLINA.

CHARLESTON—*Winsboro Granite Co.
COLD POINT—*Cold Point Granite Co.
*Monteith, Walter S.
*South Carolina Granite Co.
COLUMBIA—Columbia Granite & Construction Co.
HEATH SPRINGS—*Southern Granite Co.
RION—*Stanton & Beauchamp
*Winsboro Granite Co.

VERMONT.

ADAMANT—*Patch & Co.
BARRE—*Abbiati & Colombo
Adie & Milne
*Allen & Newcombe
Anderson, A. & Sons
Appiani & Fraquelli
Barclay, A. & Co.
*Barclay Bros.
Barre Granite & Quarry Co.
*Barre Quarry Co.
*Barre White Granite Co.
Beck & Beck (Polishing)
Bessey Granite Co.
Bianchi, Chas., & Sons
Bond & Kidder
Boutwell, Milne & Varnum Co.
Brown, John
*Brusa Bros.
Bugbee, E. A.
Burke Bros.
Canton Bros.
Carle, E. W.
*Carroll Bros.
Carroll & McNulty
Carswell, Wetmore & Co.
*Chioldi Bros.
Clark Bros.
Cole, Wm. & Sons
Comolli & Co.
*Consolidated Quarry Co.
Cordiner, J. H.
Corskie, J. P. & Son
Cruickshauk & Son
Cutter, Storer & Fay Granite Co.
Densmore, C. D.
*Dessureau & Co.
Dewey, Column Cutting Co.
Dinneen & Co.
Excelsior Granite Co.
Freeman & Wasgatt
Gallagher, L. B.
Gasparella Bros.
Giudici Bros. & Co.
Glysson, Eugene
Grappone Co.
Grearson & Lane
Harrison Granite Co. (Monumental & Mausoleum), See New York
Hoyt & Lebourveau
Jones, A. S.
*Jones Bros. Co.
Kenerson, Wm. T.
La Clair & McNulty
Leland, The, Co.
Littlejohn, Odgers & Milne
McColl & Carroll.
*McDonald & Buchan (Also Polishing)
McDonnell & Sons
McIver & Mathieson
McMillan, C. W., & Son
McMinn, John & Sons
Machi, Z. & Co.
*Manufacturers' Quarrying Co.
*Marr & Gordon
Marrion & O'Leary
Martell & Co.
Martinson, John A.
Melcher & Hadley
Milne & Robertson
More, C. H. & Co.
Moore Bros.
Mortimer & Hadden
Murray, J. F.
Mutch & Calder Granite Co.
North Barre Granite Co.
Novelli & Calcagni
Oliver & Co.
Parnogoni, Frank
Parry & Jones
Philips-Findlater Co.
*Presbrey-Coykendall Co.
Ream-McBee Co.
Rizzi Bros.
Robins Bros.
Ross & Ralph
Scott Bros.
Scott, C. R. & Co.
Sector, James, & Co.
Sievewright Co.
Smith Bros. Granite Co.
*Smith, E. L. & Co.
*Standard Granite Co.
Star Granite Co.
Stephen & Gerrard
Stevens & Denning
Straiton, George
Sullivan, Eugene
Thom, Clark & Co.
Walker, Geo. & Son
*Wells-Lamson Quarry
Woodcock Bros.
Young Bros.
BRATTLEBORO—Bailey, D. J.
*Grant, Chas. H., Granite Co.
Holbrook, Clifford M.
BRISTOL—McGee, Wm. N.
BURLINGTON—Burlington Granite Co.
Goodell, J. W.
Johnson Bros.
EAST BARRE—Billodeau, Joseph O.
D. R. L. Granite Co.
Sullivan, J. J.
EAST BURKE—*Burke Granite Co.
GRANITEVILLE—*Pirie, James K.
GROTON—Darling, J. R.
HARDWICK—American Granite Co.
Bailey & Rollins
Crystal Brook Granite Co.
Donald, W. B.
*Fletcher, E. R.
Jackson & Owen
James Granite Co.
Mack, H. R.
Northern Granite Co.
Smith, Ashley
Stewart Granite Works
Sullivan, J. E.
Union Granite Co.
*Woodbury Granite Co.
MONTPELIER—American Granite Co.
Bertoli Harry J.
Bianchi G. R. Granite Co.
Bonazzi & Bonazzi
Bowers, R. C. Granite Co.
Brault & Sargent
Cary, F. S. & Co. (Granite & Statuary)
Columbian Granite Co.
Craven, E. E. & Co.
Dillon & Haley
Doucette Bros.
Gill, C. P. & Co.
Globe Granite Co.
Hill, Felix A.
Jellyman & Jones
Jurras, J. & Co.
Lillie, Dean K.
Mills & Co.
National Granite Co.
*Patch & Co.
Pioneer Granite Co.
Poulin Granite Co.
Robar, F. J. & Co.
Ryle & McCormick Co.
Sweeney Bros. Granite Co.
*Wetmore & Morse Granite Co.
MORRISVILLE—Mould & Davis
NEWPORT—Kingston, George
NORTHFIELD—Brusa & Griffin
Burns, J. L.
*Cross Bros.
***ELLIS, E. B. GRANITE CO.** (See adv. index, end of book)
*Empire Granite & Quarry Co.
*Northfield Union Granite Co.
Phillips & Slack
RUTLAND—Clark, Jas. S.
Everson & Co.
Temple Bros. (Wholesale)
ST. JOHNSBURY—Laird, H. M.
Roy, Tancrede F.
Union Granite Co.
Walker, J. E.
SOUTH ROYALTON—Soper, W. V.
SOUTH RYEGATE—Anderson, A.
Cragie, James
Eliason & Roben
Farquharson, Robert
McDonald, Murdo F.
Morrison, D. A., & Co.
Rabaioli, Joseph
SWANTON—Judd, Walter S.
WATERBURY—Blondin Granite Co.
Drew, Daniels Granite Co.
O'Clair & Anair
WEBSTERVILLE—*Doucett-Roleau Co.
*Libersont, George
WEST BERLIN—Davis Bros.
Provost, Stanley
WEST DANVILLE—Goss & Conly

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WEST DUMMERSTON—*Bailey, D. J.
*Lyons, G. E., Granite Co.
WILLIAMSTOWN—Grearson-Becket Co.
Hopkins, J. S., & Co.
WINDSOR—*Norcross Bros. Co. (Grey, Red & Green)
Kendall, Frank H.
*Windsor Green Granite Co.
WOODBURY—Brown & Reycroft

VIRGINIA.

GRANITE—*McGranighan, Patrick
*McIntosh, John
PETERSBURG—Burns & Campbell
*Petersburg Granite Co.
RICHMOND—*Island Granite Co., Mayo Island
*James River Granite Co.
*Sunnyside Granite Co.
*Wray, Andrew J., 328 S Cherry

WISCONSIN.

ABLEMAN—*Wisconsin Granite Co.
AMBERG—*Pike River Granite Co.
GRANITE HEIGHTS—Anderson Bros. & Johnson (Warsau Red)
LA CROSSE—Hynne-Benrud Granite Co.
MILWAUKEE—American Granite Co. (Wisconsin Mahogany)
Northside Granite & Marble Works, 1026 Walnut
Shaver, Jos. Granite & Marble Co., 506 7th
Sutter, H., Granite & Marble Co., 502
PLYMOUTH—Kegler, G. F. Muskego av
UTLEY—*Wisconsin Granite Co.
WAUSAU—Marathon Granite Co.

Granite Sawing Machines

(See Machines, Stone Sawing)

Granite (Seam Face)

Hingham Seam Face Granite Co., 161 Summer, Boston, Mass.
Holmesburg Granite Co., Fidelity bldg, Philadelphia, Pa.
PENNA MARBLE & GRANITE CO., Penna bldg, Phila., Pa. (See adv. index, end of book)

Graphaphone Mfrs.

(See Talking Machines)

*Graphite Boxes & Covers

DIXON, JOS. CRUCIBLE CO. ("Dixon's," for Baking Carbons, etc.), Jersey City, N. J. (See adv. index & branch offices, end of book)

*Graphite (Commutator)

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)

Graphite Miners & Refiners

Allen Graphite Co., Quenelda, Ala.
Asbury Graphite Mills (H. M. Riddle, Prop.), Asbury, N. J.
Continental Graphite Co., Land Title bldg, Phila., Pa.
Detroit Graphite Co., Detroit, Mich.
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoffman, F. G. (Dry Graphite), Beta, N. C.
Holmes Filie Graphite Mfg. Co., 5155 Wakefield, Gtn., Phila., Pa.
International Acheson Graphite Co. (Mfrs. in the Electric Furnace), Niagara Falls, N. Y.
Michigan Paint Co., Flint, Mich.
Pettinos Bros., Bethlehem, Pa.
Standard Graphite Co., 11 B'way, New York
Sterling Graphite Co., 136 S 4th, Phila., Pa.
United States Graphite Co., Saginaw, Mich. Mines in Conora, Mexico
Wisconsin Graphite Co., Stevens Point, Wis.

*Graphite (Oiled)

DIXON, JOS. CRUCIBLE CO. ("Dixon's"), Jersey City, N. J. (See adv. index & branch offices, end of book)

Grapples (Beam)

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.

*Grapples (Stone Hoisting)

FARRINGTON, H., 45 B'way, New York. (See adv. index, end of book)

Grapples (Timber)

Evart Tool Co. (Ltd.), Evart, Mich.

Grate Bar Mfrs.

Altoona Foundry & Machine Co., Altoona, Pa.
bldg, Chicago, Ill. (See adv. index & American Brake Shoe & Foundry Co., Mahwah, N. J.
Arnold-Creager Co., New London, O.
Barker, Jas. ("Barker"), 6th & Tioga, Phila, Pa.
BEGGS, JAS., & CO. ("McClave" Shaking Grate Bars), 109 Liberty, New York. (See adv. index, end of book)
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Birmingham Boiler Works, Birmingham, Ala.
Borger Bros. Co., Columbus, O.
Bowler Foundry Co. ("Kerstine"), Cleveland, Ohio
Brown Bros. ("Gadey"), W 22d & Campbell av, Chicago, Ill.
Bruce-Macbeth Engine Co. ("Aetna"), Cleveland, O.
Bushnell, Jno. S. & Co., 227 Fulton, New York
Butman Engineering Co., Monadnock blk, Chicago, Ill.
CANTON FOUNDRY & MACHINE CO. (Dumping & Shaking), Canton, O. (See adv. index, end of book)
Casey-Hedges Co. (Hollow Blast Shaking, etc.), Chattanooga, Tenn.
Catawissa Car & Casting Co. (Sectional), Catawissa, Pa.
Continental Grate Co. (Shaking), 85 Devonshire, Boston, Mass.
Co-operative Foundry Co., Detroit, Mich.
Crowder Bros., 408 Olive, St. Louis, Mo.
Crowe, Paul L. (Pressed Steel), 47 Montgomery, Jersey City, N. J.
Cyclone Grate Bar Co., Buffalo, N. Y.
Daugherty Foundry Co. ("Tupper," "Adams" & Circle Grate for Vertical Boilers), Allentown, Pa.
DOBBIE FOUNDRY & MACHINE CO. Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
DONEGAN & SWIFT (All Kinds), 6 Murray, New York. (See adv. index, end of book)
Dorrance, Chas. A., Western Union bldg, Chicago, Ill.
Downey & Kruse Co., 112 N 2d, Milwaukee, Wis.
Eastwood Wire Mfg. Co., Belleville, N. J.
Economic Engineering & Construction Co. ("Sharps"), Monadnock blk, Chicago, Ill.
Erie City Iron Works, Erie, Pa.
Erie Engine Works (Shaking, Dumping & Stationary), Erie, Pa.
Estabrook's, R. Sons, 204 W 1st, Boston, Mass.
Eureka Heating & Ventilating Co. (C. W. Light, Prop.) (Rocking), Saginaw, Mich.
Evans, Thos. (Patent), Providence, R. I.
Farris, Jos., Springfield, Ill.
Ferguson, F. & Son, 1122 Clinton, Hoboken, N. J.
Foster, F. W. Mfg. Co. (Shaking & Packing, 99 Haverhill, Boston, Mass.
Fox's, Benj. Sons, 513 W 34th, New York
Frick, Horace E. Co. ("Frick's" Wire Sectional Tupper or Herringbone), 286 Greenwich, New York
Frost Mfg. Co. (Rocking, etc.), Galesburg, Ill.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Gehl Bros. Mfg. Co., West Bend, Wis.
Gibson Iron Works Co. (Common Sense, Dumping, etc.), 170 1st, Jersey City, N. J.
Gordon Hollow Blast Grate Co., Greenville, Mich.
Grainger & Co., Louisville, Ky.
Green Engineering Co., Commercial Nat'l B'k bldg, Chicago, Ill.
Gulickson, Geo., 70 Milwaukee av, Chicago, Ill.
Hanchett Hot Blast Grate Co. ("Hanchett" Hot Blast), Big Rapids, Mich.
Hayes, Jno. A. Foundry Co., Lynn, Mass.
Helmick Foundry & Machine Co. (Furnace), Fairmont, W. Va.
Heatherington & Berner, Indianapolis, Ind.
Herrick, Geo. S., Syracuse, N. Y.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), Huntsville, Ala.
Iron City Grate Bar Co., Warren, O.
Janney & Co., Montgomery, Ala.
Jarvis Engineering Co. (Sheffield), 61 Oliver, Boston, Mass.
Kahl, Frederick, 537 Atwater, Detroit, Mich.
Kelly Foundry & Machine Co., Goshen, Ind.
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
KUTZTOWN FOUNDRY & MACHINE Co., 116 N Broad, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Lippincott Steam Specialty & Supply Co. ("Lippincott" Shaking), Newark, N. J.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Love Bros. (Inc.), Aurora, Ill.
McClave-Brooks Co. (Shaking), Scranton, Pa.
McClave Grate Bar Co. ("Ellis" Improved Sectional McClave Shaking & Dumping Cut Off), 109 Liberty, New York
McKenzie Furnace Co., 84 Van Buren, Chicago, Ill.
McNaughton Foundry (Sectional), Charlotte, Mich.
MacKINNON BOILER & MACHINE Co. ("Peerless"), Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co., Cleveland, O.
Martin Grate Co. ("Martin," Anti-Friction Rocking), Fisher bldg., Chicago, Ill.
Mather, E. Harrisburg, Pa.
Mechanics' Iron Foundry Co. ("Bannister"), 38 Kemble, Boston, Mass.
Mershon Patent Shaking Grate Works, 1203 Filbert, Philadelphia, Pa.
Metropolitan Iron Foundry ("Dempsey's," "Pheuix"), 548 W 55th, New York
Miller Oil & Supply Co. ("Perfection" Hollow Blast), Indianapolis, Ind.
Mosher Mfg. Co., Dallas, Tex.
Munroe, R. & Sons Corp., Pittsburg, Pa.
Murray Iron Works Co. (Plain & Rocking), Burlington, Iowa
Myrick Machine Co., Olean, N. Y.
National Water Tube Boiler Co., New Brunswick, N. J.
Neemes Bros. (Self Cleaning), Troy, N. Y.
Niver Iron Works Co., Muscatine, Ia.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Patch, S. B. & Sons Co. ("Patch" Rocking), Streator, Ill.
Peacock's Iron Works, Selma, Ala.
Perfection Grate Co., Springfield, Mass.
Pinkerton, Robert (Gasoline Shaking), Green Island, N. Y.
PITTSBURGH VALVE, FOUNDRY & CONstruction Co., 26th & A. V. Ry., Pittsburg, Pa. (See adv. index, end of book)
Portland Co., Portland, Me.
Price-Evans Foundry Co., Chattanooga, Tenn.
Reagan Grate Bar Co., 209 N Front, Philadelphia, Pa.
Robertson, Jas. L. & Son (Inc.) ("Common Sense"), 48 Warren, New York
Robsmith Specialty Co., Provident bldg, Philadelphia, Pa.
Robson, Chas., 8th & Washington av, Phila., Pa.
Rosedale Foundry & Machine Co. ("Playford," "Pittsburg"), Pittsburg, Pa.
Rutsler, E. Co., 127 White, New York
Salamander Grate Bar Co. ("Salamander," "Aetna," "Steele," "Ryder" & "Rogers"), 126 Liberty, New York
Scranton Steam Pump Co. ("Scranton" Shaking, etc.), Scranton, Pa.
Smith Iron Foundry, Lynn, Mass.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Stiles Foundry & Supply Co. Parkersburg, Strothman Iron Co., Superior, Wis. W. Va.
Stowell Mfg. & Foundry Co. ("Hail's" Patent), S. Milwaukee, Wis.
Thacher, Geo. H. & Co. ("Coe" Sectional. Dumping also Stationary), Albany, N. Y.
Thompson, Richard & Co. ("Aetna" Shaking, "Thompson's" Dumping, "Thompson's" Sectional & Steel's Revolving, Shaking & Dumping Grates), 126 Liberty, New York
Toledo Foundry & Machine Co., Toledo, O.
Townsend Furnace & Machine Shop Co., Albany, N. Y.
Treadwell, M. H. Co. ("Treadkill" Shaking, etc.), 90 West, New York; Works: Lebanon, Pa.
Tupper, W. W. & Co. (Shaking Grates & Grate Bars), 90 West, New York
Valley Iron Works ("Ajax," "Rocking, "Tupper," Circular), Williamsport, Pa.
Variety Iron & Steel Works Co., Cleveland, O.
Vulcan Steam Shovel Co., Toledo, O.
Ward & Upright Engineering Co., 41 York, Brooklyn, N. Y.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

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Water Arch Furnace Co., 164 Dearborn, Chicago, Ill.
Waterbury Foundry Co., Waterbury, Conn.
Western Foundry & Sash Weight Co., 159 Miller, St. Louis, Mo.
White, J. L. Furnace Co. (Hollow Blast Rocking), Milwaukee, Wis.
Wickes Bros., Saginaw, Mich.
Willoughby, Alfred B. ("Willoughby-St. John" Shaking), Bourse bldg, Phila., Pa.
Worthington National Grate Co., Calvert bldg, Baltimore, Md.

*Grate Settings

MAURER, HENRY & SON ("Liverpool"), 420 E 23d, New York, & Penna bldg, Phila., Pa. Works: Maurer, N. J. (See adv. Front Inside Cover)

Graters (Apple)

(See Apple Grating Machines)

Graters (Horse Radish)

Ames Plow Co., Boston, Mass.
Day, J. H. & Co., Cincinnati, O.
Enterprise Mfg. Co., Phila., Pa
Houchin, Thos. W. Co., 341 B'way, New York
Kelso & Co., 209 S Clinton, Chicago, Ill.
Schroeter Bros. Hardware Co. ("Schroeter's" Power), 717 Wabash av, St. Louis, Mo.
Smith's, Jno. E. Sons Co., Buffalo, N. Y.

Graters (Nutmeg)

Caldwell Mfg. Co. ("Gem"), Rochester, N. Y.
Franklin Specialty Co., Reading, Pa.
Hamblin & Russell Mfg. Co. ("Unique," "Yankee," "New Rapid"), Worcester, Mass.

Grates (Cellar)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
Comstock, Geo. S., Mechanicsburg, Pa.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Hickok, W. O. Mfg. Co., Harrisburg, Pa.
VAN DORN IRON WORKS CO. 2685 N 79th, Cleveland, O. (See adv. index, end of book)

*Grates (Clinker Crushing)

DONEGAN & SWIFT ("Swift's Imperial"), 6 Murray, New York. (See adv. index, end of book)

Grates (Dumping)

(See Grates, Shaking & Dumping)

*Grates, Fenders & Mantels

(See also Fireplace Furnishings)

JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill.

Grates (Gas, Parlor)

American Stove Co. ("Reliable"), St. Louis, Mo.
Perfect Gas Stove Mfg. Co., Huntingdon, W. Va.
Rathbone & Panigot Co., Grand Rapids, Mich.
Superior Mfg. Co., Pittsburg, Pa.

Grates (Hollow Blast)

(See Grate Bar Manufacturers)

Grates (Rocking)

(See Grate Bar Manufacturers with word "Rocking" following names)

Grates (Shaking & Dumping)

(See also Grate Bar Manufacturers)

Baker, Wm. H. ("National" Shaking), Trenton, N. J.
Bruce-Macbeth Engine Co. ("Aetna"), Cleveland, O.
Casey-Hedges Co., Chattanooga, Tenn.
Continental Grate Co., 85 Devonshire, Boston, Mass.
Crow, Paul L., 47 Montgomery, Jersey City, N. J.
DOBBIE FOUNDRY & MACHINE CO. ("Niagara," Shaking), Main Office & Works: Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
DONEGAN & SWIFT ("Swift's Economy"), 6 Murray, New York. (See adv. index, end of book)
Economic Engineering & Construction Co. ("Sharp"), Monadnock blk, Chicago, Ill.
Erie Engine Works (and Stationary), Erie, Pa.
Foster, F. W. Mfg. Co., 99 Haverhill, Boston, Mass.
Frick, Horace E. Co. ("Frick" Shaking & Dumping Grate Surface, etc.), 286 Greenwich, New York
Gibson Iron Works Co. ("Common Sense" Dumping), Jersey City, N. J.
Kelly Foundry & Machinery Co., Goshen, Ind.
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
KUTZTOWN FOUNDRY & MACHINE Co., 116 N Broad, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Lippincott Steam Specialty & Supply Co. ("Lippincott" Shaking), Newark, N. J.
McClave-Brooks Co. (& Cut-Off), Scranton, Pa.
Martin Grate Co. ("Martin" Anti-Friction Rocking), Fisher bldg, Chicago, Ill.
Mershon Patent Shaking Grate Works, 1208 E Filbert, Phila, Pa.
Metropolitan Iron Foundry Co., ("Phenix"), 548 W 55th, New York
Myrick Machine Co., Olean, N. Y.
Neemes Bros., Troy, N. Y.
New England Roller Grate Co., Springfield, Mass.
Perfection Grate Co., Springfield, Mass.
Portland Co. ("Hamlin" Rocking & Dumping), Portland, Me.
Reagan Grate Bar Co., 209 N Front, Phila., Pa.
Rider, Wm. E. & Co. ("Mansfield" Rail Bearing), Mansfield, Mass.
St. John Patent Shaking Bar Co. ("St. John"), Bourse bldg, Phila., Pa.
Salamander Grate Bar Co. ("Aetna"), 126 Liberty, New York
Scranton Steam Pump Co. ("Scranton"), Scranton, Pa.
Strothman Iron Co., Superior, Wis.
Thacher, Geo. H., & Co. ("Coe" Sectional Shaking & Dumping Cut-Off), Albany, N. Y.
Thompson, Richard & Co. ("Aetna"), 126 Liberty, New York
Treadwell, M. H. Co. ("Treadwell"), 90 West, New York; Works, Lebanon, Pa.
Valley Iron Works ("Ajax" Shaking), Williamsport, Pa.
Willoughby, Alfred B. ("Willoughby-St. John" Shaking), Bourse bldg, Phila., Pa.

Grates (Traveling Link)

Babcock & Wilcox Co., 85 Liberty, New York.
Crowe, Paul L., 47 Montgomery, Jersey City.
Erie Foundry Co., Erie, Pa. N. J.
Green Engineering Co., Commercial Nat'l B'k bldg, Chicago, Ill.
Weir & Craig Mfg. Co. ("Chicago"), 2439 Wallace, Chicago, Ill.

*Grates (Ventilating)

JACKSON, EDWIN A. & BRO., 50 Beekman, New York

Grease (Axle)

Brooks Oil Co., Cleveland, O.
Bulls Head Oil Works ("Bulls Head"), San Francisco, Cal.
Canton Lubricator Mfg. Co. ("Century"), Canton, O.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
Fiske Bros. Refining Co., 18 Old Slip, New York
Frazer Lubricator Co., 83 Murray, New York
Freedom Oil Works Co., Freedom, Pa.
Galena Axle Grease Co., Galena, Ill.
Globe Oil Co., Ruse bldg, Cleveland, O.
Great Western Oil Co. ("Great Western"), 2855 E 87th, S E, Cleveland, O.
Hisgen Bros. (Inc.) ("Four Bros."), Albany, N. Y.
Houghton, E. F. & Co., 240 W Somerset, Phila., Pa.
Hughes Anti-Friction Co., 196 State, Boston, Mass.
Ilsley, Doubleday & Co., 229 Front, New York
INDIAN REFINING CO. ("Blue Grass," Dark or Light), Cincinnati, O. (See adv. index, end of book)
Johnson, F. C., Stillman Valley, Ill.
Monitor Oil Co., Cleveland, O.
Smith & Nichols, 48 South, New York
Snow Flake Axle Grease Co. (also Coach Oil), Fitchburg, Mass.
Sonneborn's, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York
Standard Oil Co. of New York, 555 W 25th, New York
Stuart, D. A. & Co. (Inc.), 447 Illinois, Chicago, Ill.
Swan & Finch Co., 151 Maiden la, New York
Warren Specialty Co., Warren, Pa.
Winn, Wm. E. ("Winn" also Axle Oil), 148 Maiden lane, New York, & Springfield, Mass.
World Refining Co., Easton, Pa.
Zurn, O. F. Co. ("Zurn's"), Broad & Lehigh, Phila., Pa.

Grease (Cable & Elevator Shaft)

Canton Lubricator Mfg. Co., Canton, O.
Climax Refining Co. ("Cable Compound"), Williamson bldg, Cleveland, O.

Grease Cups

(See Lubricators, Oil & Grease Cup)

Grease Extractors

(See Oil & Grease Extractors)

Grease (Graphite)

DIXON, JOS. CRUCIBLE CO. ("Dixon's," for Open Bearings on Spindles, Shafting; etc.), Jersey City, N. J. (See adv. index & branch offices, end of book)
Harris, A. W. Oil Co. ("Harris"), Providence, R. I.
Sonneborn's, L. Sons (Inc.), 262 Pearl, New York

*Grease Guns

DELTA MFG. CO., Bloomfield, N. J.
Rubly Mfg. Co. ("Tuckahoe"), Tuckahoe, N. Y.

Grease (Wire Drawing)

Houghton, E. F. & Co., 240 W Somerset, Phila., Pa.
Sonneborn, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York

Green House Builders

BICKELHAUPT, GEO. SKYLIGHT Works, 243 W 47th, New York. (See adv. index, end of book)
Dillon, J. L., Bloomsburg, Pa.
Hitchings & Co., 1170 B'way, New York
Hitchings & Co., 1170 B'way, New York.
Jacobs, S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Johnson, Geo. H., Arlington, Mass.
Lord & Burnham Co., 1133 B'way, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
National Skylight & Construction Co., Culver av, Jersey City, N. J.

GRATES —ALL— STYLES

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National Ventilating Co., 1 Madison av, New York
Payne, John A., 260 Culver av, Jersey City, N. J.
Pierson U Bar Co., 1 Madison av, New York
Rendle, Arthur E., 18 W 34th, New York
SCHREIBER, L. & SONS CO. 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Scollay, John A. (Est. of), 74 Myrtle av, Brooklyn, N. Y.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Thomson, Robert & Co., St. Louis Mo.
Weathered Co., Orient & West End avs, Jersey City, N. J.

Green House Materials

(See also Sash, Greenhouse & Hot Bed)

Hitchings & Co., 1170 B'way, New York
Jacobs, S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Lord & Burnham Co., 1133 B'way, New York
Metropolitan Material Co., 1398 Metropolitan av, Brooklyn, N. Y.
Pierson U Bar Co., 1 Madison av, New York
Selden Cypress Door Co., Palatka, Fla.
Stearns, A. T., Lumber Co., Neponset, & 166 Devonshire, Boston, Mass.
Struck, Alfred Co., Louisville, Ky.

Green House Tables, Etc. (Slate)

(See Slate Stair Treads & Risers)

Green House Ventilating Appliance

(See Ventilating Apparatus for Greenhouse & Buildings)

Griddles

Adams Co. (Cake), Dubuque, Ia.
American Electrical Heater Co. (Electric Cake), 123 State, Detroit, Mich.
Avery Stamping Co. (Steel), 5207 Lakeside av, N. E., Cleveland, O.
GENERAL ELECTRIC CO. (Electric Cake), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Lalance & Grosjean Mfg. Co. (Cake), 299 B'way, New York
National Enameling & Stamping Co. (Cake), 374 B'way, New York
New York Stamping Co. (Stamped), 11th & Berry, Brooklyn, N. Y.
Pike Mfg. Co. (Soapstone), Pike Station, N. H.
Sloan Mfg. Co. (Cake, etc.), Kansas City, Mo.
Smith & Hemenway Co. (Cake), 108 Duane, New York
Stewart & Peterson Co. (Cake), Burlington, N. J.
Sturges & Burn Mfg. Co. (Steel), 249 S Green, Chicago, Ill.

Grille, Fret & Lattice Work

(See also Grille & Fret Work, for the Trade Only)

American Parquetry Floor Co., 1124 Walnut, Phila., Pa.
ARCHITECTURAL DECORATING CO., Chicago, Ill. (See adv. index, end of book)
Bertelsen Adjustable Grille Co., 306 S Clinton, Chicago, Ill
Bossert, Louis & Son, Grand st & Newtown Creek, Brooklyn, N. Y.
Boynton & Co., 421 W 15th, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Bush & Mallett Co., 618 Mission, San Francisco, Cal.
Chicago Mill Work & Supply Co., 22d & Sangamon, Chicago, Ill.
Cleveland Hardwood Floor Co., 39 Taylor Arcade, Cleveland, O.
Cutting Furniture Co., 640 Clinton, Buffalo, N. Y.
Davis, E. J. Mfg. Co., 9 Jackson boul, Chicago, Ill.
DECORATORS' SUPPLY CO., Archer av, c Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
Dupree, Jno. & Co., 329 Taylor, Grand Rapids, Mich.
Frey, J. W., 539 S B'way, Los Angeles, Cal.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
Heaton & Wood, 1706 Chestnut, Phila., Pa.
Herr, Jno. Floor Co., 2110 Olive, St., Louis, Mo.
Hyde-Murphy Co., Ridgeway, Pa.
Kalamazoo Grille Co., Kalamazoo, Mich.
Keddy Grille Co., Detroit, Mich.
Lidell, Wm. C., 607 Austin av, Chicago, Ill.
Lorensen, Chas. F. & Co., 278 N Ashland av, Chicago, Ill.
McIntosh, Alex., 21 E 20th, New York
Nelson, Chas., 755 W Lake, Chicago, Ill.
New York Carved Moulding Co., Rider av & 139th, New York
Northwestern Grille Works, Milwaukee, Wis.
Nybet Cabinet Co., 27th & Halsted, Chicago, Ill.
Ocker & Ford Mfg. Co., Grand Rapids, Mich.
Pasadena Mfg. Co., Pasadena, Cal.
Roach & Musser Sash & Door Co. (Wholesale & Retail), Muscatine, Ia.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Syracuse Screen & Grille Co., North Manchester, Ind.
Terwilliger Mfg. Co., 11 W 30th, New York, & 302 Fulton, Brooklyn, N. Y.
Waddell Mfg. Co., Grand Rapids, Mich.

Grille or Fret Work (for the Trade Only)

Biggs, B. F. Pump Co., Lafayette, Ind.
Cleveland Grille & Mfg. Co. (Adjustable Grilles), Cleveland, O
Cream City Sash & Door Co. (For the Trade Only), Milwaukee, Wis.
Curtis Bros. & Co., Clinton, Ia.
Curtis & Bartlett Co., Lincoln, Neb.
Curtis & Yale Co., Wausau, Wis.
Disbrow, M. A. & Co., Lyons, Ia.
Foster-Munger Co., W 20th & S Sangamon, Chicago, Ill.
Gall, Albert, Indianapolis, Ind.
Ganger, John A. & Co., W 22d & Laflin, Chicago.
Gould Mfg. Co., Oshkosh, Wis. Ill.
Harris & Cole Bros., Cedar Falls, Ia.
McMillen, E. Co., Oshkosh, Wis.
Morgan Co., Oshkosh, Wis., & W 22d & S Union, Chicago, Ill.
Paine Lumber Co., Oshkosh, Wis., & 1 Madison av, New York
Peirce, W. H. & Co., Milford, N. H.
Roberts, H. L. & Co., W 22d & Union, Chicago, Ill.
Rock Island Sash & Door Works, Rock Island Ill.

Grilles (Brass & Bronze)

(See also Bank & Office Railings)

Balderston, H. & Son, 319 Pearl, Baltimore, Md.
Barnum, E. T., Wire & Iron Works, 82 Washington av, Detroit, Mich.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Buckley-Hart Mfg. Co., 527 Franklin, Detroit, Mich.
CABARET, PAUL E. & CO., 342 W 14th, New York. (See adv. index, end of book)
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th Cincinnati, O. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
DARBY, EDW'D & SONS CO. (Brass), 239 Arch, Phila., Pa. (See adv. index, end of book)
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
Gaumer, J. L. Co., 22d & Wood, Phila., Pa.
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
HALSTED, JOS. CO., 388 W Randolph, Chicago, Ill. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 122 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, B'klyn, N. Y.
Henry-Bonnard Bronze Co., Mount Vernon, N.Y.
HOWARD & BOHSE, 45 Fulton, New York. (See adv. facing first page of index of Contents)
JACKSON, WM. H. COMPANY, 239 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Janusch Mfg. Co., 496 E 134th, New York
Manhattan Brass Co., 338 E 28th, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Midland Metal Co. (Inc.), 21st & Jefferson, Phila., Pa.
Mott, J. L. Iron Works, 118 5th av, New York
National Mfg. Co., Worcester, Mass.
PITT, WM. R., COMPOSITE IRON Works, 136-138 W 24th, New York. (See adv. index, end of book)
Richey, Browne & Donald, Maspeth, Borough of Queens, N. Y. City
SCHREIBER, L. & SONS CO. 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
SNEAD & CO. IRON WORKS, Jersey City, N. J. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Syracuse Wire Works, Syracuse, N. Y.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
Tuttle & Bailey Mfg. Co., 83 Beekman, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
Van Doorn Co., Quincy, Ill.
Van Kannel Revolving Door Co., Home Office, 524 E 134th, New York
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Wells Architectural Iron Co., 219-221 E 144th, New York
Williams, John, 556 27th, New York
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Grilles (Iron)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)

Grilles (Spring Hinges for)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Columbian Hardware Co., Coe & Hamilton, Cleveland, O.

*Grilles (Switchboard)

ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)

Grilles (Wrought Iron)

Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)

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Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS CO., Canton, O. (See adv. index, end of book)
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
Creswell, Sam'l J., Iron Works, 23d & Cherry, Phila., Pa.
DARBY, EDWARD & SONS CO., 23d Arch, Phila., Pa. (See adv. index, end of book)
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
FOREST CITY STEEL & IRON CO., 110th nr Detroit av, Cleveland, O. (See adv. index, end of book)
Gaumer, J. L. Co., 22d & Wood, Phila., Pa.
HALSTED, JOSEPH CO., 388 W. Randolph, Chicago, Ill. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 128 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Koehn, Alfred, 157 W 29th, New York
Landon, E. R. Iron & Wire Works, 18 N May, Chicago, Ill.
MERRITT & CO., Front & Arch, Camden, N. J. (See adv. index, end of book)
MEYER, FRED. J., MFG. CO., Hamilton, O. (See adv. index, end of book)
Mott, J. L. Iron Works, 118 5th av, New York
PHOENIX STEEL CO. (Inc.), Putnam & P. R. R., Pittsburg, Pa. (See adv. index, end of book)
Pirkl, John, Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
PITT, WM. R. COMPOSITE IRON Works, 136-138 W 24th, New York. (See adv. index, end of book)
REMPPIS, WM. F. CO., Reading, Pa., & 1506 Sansom, Phila., Pa. (See adv. index, end of book)
Richey, Browne & Donald, Maspeth, Borough of Queens, N. Y. City
RIESECK, P., Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)
SCHREIBER, L. & SONS CO. 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
SMITH, F. P., WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith & Caffrey Co., Props. (Phoenix-Porter Foundry), Syracuse, N. Y.
SNEAD & CO. IRON WORKS, Jersey City, N. J. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5037-5049 Butler, Pittsburg, Pa. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O. & 11 B'way New York. (See adv. index & branch offices, end of book)
Tuttle & Bailey Mfg. Co. (Also Cast Iron), 83 Beekman, New York
Union Equipment & Bronze Co., 1901 Park av, New York
UNION FOUNDRY WORKS, First National Bank bldg, Chicago, Ill. (See adv. index, end of book)
VAN DORN IRON WORKS CO., 2685 E 79th, Cleveland, O. (See adv. index, end of book)
Van Kannel Revolving Door Co. 524 E 134th, New York
Vilsack, Martin Co. (Ltd.), 3222 Penn av, Pittsburg, Pa.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Wayne Iron Works (Inc.), Arcade bldg, Phila., Pa.
Wells Architectural Iron Co., 219-221 E 144th, New York
West Coast Wire & Iron Works, San Francisco, Cal.
White Wire Works Co., Rochester, N. Y.
Williams, John, 556 W 27th, New York
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 109 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Grinders (Band Saw)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Lake Shore Engine Works, Marquette, Mich.
Wickes Bros., Saginaw, Mich.

Grinders (Bench)

Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Buffalo Emery Wheel Co., 14 Lock, Buffalo, New York
Carroll-Jamieson Machine Tool Co. (Bench Grinder & Polisher), Batavia, O.
Central Machine Works Co. (Double Grinder), Minneapolis, Minn.
Challenge Machine Co., 5116 Springfield av, Philadelphia, Pa.
Clark, Jas., Jr., Electric Co., Louisville, Ky.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Cutter, Wood & Stevens Co., Boston, Mass.
Diamond Machine Co., Providence, R. I.
Faneuil Watch Tool Co. (Fast Speed Internal), 1 Brooks Br., Boston, Mass.
Norton Grinding Co., Worcester, Mass.
Rivett Lathe Mfg. Co. (Fast Speed Internal), Brighton, Boston, Mass.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Brideport, Conn.
Sterling Emery Wheel Mfg. Co., Tiffin, O.
Stow Mfg. Co. (Electric), Binghamton, N. Y.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Vitrified Wheel Co., Westfield, Mass.
Webster & Perks Tool Co. (Self-Oiling), Springfield, O.

Grinders (Car Wheel)

Bridgeport Safety Emery Wheel Co. (Cup Only), Bridgeport, Conn
Quincy, Manchester, Sargent Co., Plainfield, Springfield Mfg. Co., Bridgeport, Conn. N. J.

Grinders (Center)

Clark, Jas., Jr., Electric Co. (Electrically Driven), 313 W Main, Louisville, Ky
Diamond Machine Co. ("Simplex"), Providence, R. I.
Gem Mfg. Co. ("Gem" Flexible Shaft), Pittsburg, Pa
Stow Mfg. Co. (Flexible Shaft), Binghamton, N. Y.

Grinders (Cock)

Automatic Valve Grinding Machine Co. (Automatic), Knoxville, Tenn.
Milwaukee Cock Grinder Co. ("Milwaukee"), Layton Park, Milwaukee, Wis.
Pratt & Whitney Co., Hartford, Conn.
Turner Machine Co. (Automatic), 2049 N 2d, Phila., Pa.
Warner & Swasey Co., Cleveland, O.

Grinders (Crank)

Landis Machine Co. (Cylindrical), Waynesboro, Pa.

Grinders (Cup, Cone & Hub)

Bridgeport Safety Emery Wheel Co. (Cup Only), Bridgeport, Conn.
Norton Emery Wheel Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.
Springfield Mfg. Co., Bridgeport, Conn.

Grinders (Cutter)

(See Grinders, Reamer & Cutter)

*Grinders (Cylinder)

PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)

Grinders (Disc)

Besly, Chas. H. & Co. ("Besly" Double Disc), 15 S Clinton, Chicago, Ill.
BROWN, A. & F. CO., 25 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)
Challenge Machine Co., 5116 Springfield av., Philadelphia, Pa.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Diamond Machine Co. ("Gorton" Universal), Providence, R. I.
Dodge Mfg. Co., Mishawaka, Ind.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Gardner Machine Co. ("F. N. Gardner's Improved"), Beloit, Wis.
Heald Machine Co., Worcester, Mass.
Haystradt & Case, Kingston, N. Y.
Iroquois Machine Co., Providence, R. I.
O. K. Tool Holder Co., Shelton, Conn.
Ransom Mfg. Co., Oshkosh, Wis.
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
Walker Mfg. Co. ("Novelty"), Council Bluffs, Ia.
Western Implement Co., Port Washington, Wis.

Grinders (Drill)

Challenge Machine Co., 5116 Springfield av., Philadelphia, Pa.
Diamond Machine Co. ("American"), Providence, R. I.
Dwight Slate Machine Co., Hartford, Conn.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, N. Y.
Gorton, Geo. Machine Co., Racine, Wis.
Heald Machine Co. ("American," Twist Drills), Worcester, Mass.
Ideal Machine Works (Ideal Twist Drill), 257 39th, Brooklyn, N. Y.
Johnson, Israel H., Jr., Co., Phila., Pa.
Manning, Maxwell & Moore ("Dahl"), 85 Liberty, New York
MORSE TWIST DRILL & MACHINE Co. (Twist Drill), New Bedford, Mass. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Pfiel, G Company, 363 Rider av, New York
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Sterling Emery Wheel Mfg. Co., Tiffin, O.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of Vitrified Wheel Co., Westfield, Mass. book)
Wilmarth & Morman Co. (New Yankee), Grand Rapids, Mich.

Grinders (Edging)

(See also Mills, Bark)

Bartlett, A. F. & Co., Saginaw, Mich.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Diamond Machine Co., Providence, R. I.
Mitts & Merrill, Saginaw, Mich.
Safety Emery Wheel Co., Springfield, O.
Shaw, Noah & Co., Eau Claire, Wis.
Union Iron Works, Bangor, Me.
Wickes Bros. (Also Slab & Lap), Saginaw, Mich.

Grinders (Electric, Portable)

(See Grinders, Portable with Word "Electric" Following the Name)

Grinders (Emery)

Barnes, B. F. Co. (Tool), Rockford, Ill.
Bath Grinder Co. ("Universal"), Fitchburg, Mass.
Blake & Johnson Co. ("Waterbury"), Waterbury, Conn.
Buffalo Specialty Co. ("Success"), 375 Ellicott, Buffalo, N. Y.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

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Challenge Machine Co., 5116 Springfield av, Philadelphia, Pa.
Chicago Wheel Mfg. Co. ("Vulcan"), 336 W Monroe, Chicago, Ill.
Cordesman Machine Co., Cincinnati, O.
Cordesman, Meyer & Co., Cincinnati, O.
Cowdrey, C. H. Machine Works, Fitchburg, Mass.
Diamond Machine Co., Providence, R. I.
Electric Diamond Machine Co. ("Giant"), 123 Liberty, New York
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Frank Mach'y Co., 50 Mechanic, Buffalo, N. Y.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Gem Mfg. Co. ("Gem," Portable, Flexible Shaft), Pittsburg, Pa.
Gillie Engine & Machine Co. ("Tonawanda" Double), Tonawanda, N. Y.
Gisholt Machine Co. (Double Emery), Madison, Wis.
Glascock, G. T. & Sons, Greensboro, N. C.
Globe Foundry & Machine Co. (Wheel), Sheboygan, Mich.
Golden, Geo. W. & Co. ("Perfection" Bylundum, for Mechanic or Household), Detroit, Mich.
Goodnow, L. H. Foundry Co., Fitchburg, Mass.
Hall, Chas. E. Co. ("Union" Foot Power), Buffalo, N. Y.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Herrick & Cowell, New Haven, Conn.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoil Mfg. Co., 333 Main, Buffalo, N. Y.
Holmes, E. B. Machinery Co., Buffalo, N. Y.
Huntsville Foundry & Machine Works (Nolan Jones, Props.), Huntsville, Ala
Lancaster Peerless Emery Wheel Co. ("Peerless," Wet or Dry), Lancaster, Pa.
Maslin, Jno. & Son, 169 1st, Jersey City, N. J.
Mechanics Tool Works, 185 Dearborn, Chicago, Ill.
Nicholls, Wm. S. ("Economy" Emery Stand), 253 B'way, New York
Northampton Emery Wheel Co., Leeds, Mass.
Norton Grinding Co., Worcester, Mass.
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Patterson Tool & Supply Co. ("Patterson"), Dayton, O.
Queen City Punch & Shear Co. ("Heinss" ILX) 208 Lawrence, Cincinnati, O
Rogers, Saml. C. & Co., 10 Lock, Buffalo, N. Y.
Safety Emery Wheel Co., Springfield, O.
Slotkin, Mayer, 210 Canal, New York
Spicer Mfg. Co., New Philadelphia, O.
Springfield Mfg. Co., Bridgeport, Conn.
Standish Machine & Supply Co., Columbus, O.
Sterling Emery Wheel Mfg. Co., Tiffin, O.
Stow Mfg. Co. (Stationary & Portable), Binghamton, N. Y.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
WALTHAM MACHINE WORKS (Small), Waltham, Mass. (See adv. index, end of book)
Western Electric Co (Electric), 259 S. Clinton, Chicago, Ill. & 57 Bethune, New York
Wilcox Mfg. Co. (Foot Power), Aurora, Ill.

Grinders (Face)

Brown & Sharpe Mfg. Co., Providence, R. I.
Diamond Machine Co., Providence, R. I.
Emmert Mfg. Co., Waynesboro, Pa.
Heald Machine Co., Worcester, Mass.
Iroquois Machine Co., Providence, R. I.
Landis Tool Co., Waynesboro, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Norton Grinding Co., Worcester, Mass.

Grinders (Foot & Hand Power)

Chicago Wheel & Mfg. Co., 330 W Monroe, Chicago, Ill.
Clishe Bros. Mfg. Co., Plymouth, Ind.
Hall, Chas. E. Co., Buffalo, N. Y.
Luther Bros. Co. ("Luther" Hand), Milwaukee, Wis.
Pike Mfg. Co., Pike, N. H.
Robertson Mfg. Co., Buffalo, N. Y.

*Grinders (Gauge)

WALTHAM MACHINE WORKS (Small), Waltham, Mass. (See adv. index, end of book)

Grinders (Huller Knife)

Carver Cotton Gin Co. (For Cotton Seed Hullers), East Bridgewater, Mass.

Grinders (Internal)

Heald Machine Co., Worcester, Mass.
Landis Machine Co. (Cylindrical), Waynesboro, Pa.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Rivett Lathe Mfg. Co., Brighton, Boston Mass.
WALTHAM MACHINE WORKS (Small), Waltham, Mass. (See adv. index, end of book)

*Grinders (Knife, Automatic)

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Grinders (Knife & Scissors)

Arcade Mfg. Co. ("Schofield," "Scientific," "Acme" Hand & Foot Power), Freeport, Ill.
Buck, V. P. ("Perfection" Sissors), 82 Lincoln, Boston, Mass.
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Olmstead, L. H. ("Olmstead's" Grinders & Sharpeners), Hasbrouck Heights, N. J
Royal Mfg. Co. ("Practical" Kitchen Knife Grinder), Lancaster, Pa.
Safety Emery Wheel Co. (Knife Only), Springfield, O.
WHITMAN & BARNES MFG CO. ("Diamond," Bevel Wheel also for Scythes, etc.), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Grinders (Lathe Center)

Diamond Machine Co., Providence, R. I.
Dock Herman, 905 N. Carlisle, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Trump Bros. Machine Co., Wilmington, Del.

Grinders (Mill Pick)

Bullock, Chas. K., 1361 Ridge av., Phila., Pa.

*Grinders of Minerals, Clays, Etc.

WILBUR, JOB CO. (Job Grinding in Car Load Lots). Office, Providence, R. I.; Factory, Phila., Pa. (See adv. index, end of book)

Grinders (Mower Knife)

(See Grinders, Sickle & Mower Knife)

Grinders (Oilstone)

Mummert, Wolf & Dixon Co., Hanover, Pa.

Grinders (Plain Tool)

Barnes, B. F. Co., Rockford, Ill.
Barnes, W. F. & John Co., Rockford, Ill.
Blount, J. G. Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co. (Emery Wheel), Bridgeport, Conn
Brown & Sharpe Mfg. Co., Providence, R. I.
Bullock, C. K., 1357 Ridge av, Phila., Pa.
Cady, Chas. N. Co., Canastota, N. Y.
Carroll-Jamieson Machine Tool Co., Batavia, O.
Challenge Machine Co., 5116 Springfield av, Philadelphia, Pa.
Chicago Wheel & Mfg. Co., 336 W Monroe, Chicago, Ill
Cincinnati Milling Machine Co., Spring Grove av & Alfred, Cincinnati, O.
Clisbe Bros. Mfg. Co. ("Crown"), Plymouth Ind.
Diamond Machine Co. (Bench Tools, etc.) Providence, R. I.
Dwight Slate Machine Co., Hartford, Conn
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Gisholt Machine Co. ("Universal Lathe & Planer"), Madison, Wis
Gould & Eberhard, Newark, N. J.
Iroquois Machine Co., Providence, R. I.
Landis Machine Co. (Cylindrical), Waynesboro, Pa.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
Luther Bros. Co. (Hand & Foot Power), No. Milwaukee, Wis.
Miami Valley Machine Tool Co., Dayton, O.
Modern Tool Co., Erie, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Mummert, Wolf & Dixon Co. ("Universal"), Hanover, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Northampton Emery Wheel Co., Leeds, Mass.
Norton Grinding Co., Worcester, Mass.
Osterlein Machine Co., Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Ransom Mfg. Co. (Vulcan), Oshkosh, Wis.
Robertson Mfg. Co. ("Hero"), Buffalo, N. Y.
St. Louis Machine Tool Co., St. Louis, Mo.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Star Corundum Wheel Co., Detroit, Mich.
STARK TOOL CO. (For Small Tools), Waltham, Mass. (See adv. index, end of book)
Sterling Emery Wheel Mfg. Co., Tiffin, O.
Tabor Mfg. Co. ("Taylor"), 1740 Hamilton, Phila., Pa.
Tucker Machine Co., 222 W 9th, Cincinnati, O.
Vitrified Wheel Co., Westfield, Mass.
Walker Grinder Co., Worcester, Mass.
Webster & Perks Tool Co. (W. & P.), Springfield, O.
Western Implement Co., Port Washington, Wis.
Whitney Mfg. Co., Hartford, Conn.
Zucker, Levett & Loeb Co., 516 W 25th, New York

Grinders (Planer Knife)

American Twist Trill Co. (Automatic), Laconia, N. H.
American Woodworking Machinery Co., Rochester, N. Y., West st. bldg, New York
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bentel & Margedant Co. (Wet & Dry), Hamilton, O.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Capitol Machine Wks. (Automatic), Indianapolis, Ind.
Carver Cotton Gin Co. (Wet & Dry), E Bridgewater, Mass.
Cutter, Wood & Stevens Co., Boston, Mass.
Defiance Machine Works, Defiance, O.
Hickok, W. O. Mfg. Co., Harrisburg, Pa.
Holmes, E. & B. Machinery Co., Buffalo, N. Y.
Mummert, Wolf & Dixon Co. ("Universal"), Hanover, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Powers, Wm. T. & Son, Grand Rapids, Mich.
Rogers, Samuel C. & Co. ("Buffalo" Automatic, etc.), 10 Lock, Buffalo, N. Y.
Safety Emery Wheel Co., Springfield, Ohio.
Saxon Machine Co. (Automatic), Holyoke, Mass.
Seybold Machine Co., Dayton, O.; 312 Dearborn, Chicago, Ill., & 70 Duane, New York
Smith, H. R. Machine Co., Smithville, N. J.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Trevor Mfg. Co., Lockport, N. Y.
Woods, S. A. Machine Co., Boston, Mass.

Grinders (Portable)

Armstrong-Blum Mfg. Co. ("Marvel"), 107 N Francisco av, Chicago, Ill.
Brown, Harold P. (Hand Power), 120 Liberty, New York
CHICAGO FLEXIBLE SHAFT CO. (Emery, etc.), La Salle av. Chicago, Ill. (See adv. index & branch offices, end of book)
Chicago Pneumatic Tool Co. (Operated Either by Compressed Air or Electricity), Fisher bldg, Chicago, Ill.
Cincinnati Electrical Tool Co. (Electric), Cincinnati, O.
Diamond Machine Co., Providence, R. I.
Hisey-Wolf Machine Co. (Electrical Driven), Cincinnati, O.
Lees, Williams Co., Pittsburg, Pa.
Lektro Mfg. Co. ("Lektro"), Cincinnati, Ohio
Royal Mfg. Co. (Hand Power, Carborundum), Lancaster, Pa.
Stow Flexible Shaft Co., N 26th & Buttonwood, Phila., Pa.
Stow Mfg. Co. (Electric, Flexible Shaft), Binghampton, N. Y., & Phila., Pa.
United States Electric Tool Co. (Electric Hand), Cincinnati, O.

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Grinders (Reamer & Cutter)

Adams Co. ("The Farwell Cutter"), Dubuque, Iowa
Anderson Tool Co., Anderson, Ind.
Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Spring Grove av & Alfred, Cincinnati, O.
Clark, Jas., Jr., Electric Co. (Cutter), Louisville, Ky.
Clough, R. M., Tolland, Conn.
COATES CLIPPER MFG. CO. ("Coates" Flexible Shaft), Worcester, Mass. (See adv. index, end of book)
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Dwight Slate Machine Co., Hartford, Conn.
Faneuil Watch Tool Co. (Cutter), 1 Brooks Br., Boston, Mass.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Greenfield Machine Co., Greenfield, Mass.
Hisey-Wolf Machine Co. (Portable Electric), Cincinnati, O.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
Lektro Mfg. Co., 44 Walnut, Cincinnati, O.
Mixter, J. W. Saw Tool Co. ("Mixter" Gummer Cutter Grinder), Plymouth, Mass.
National Machine Co. (Cutter), Hartford, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Northampton Emery Wheel Co., Leeds, Mass.
Norton Grinding Co., Worcester, Mass.
Oliney Machine Works (Automatic Cutter), Phila., Pa.
Osterlein Machine Co., 2850 Spring Grove av, Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Rivett Dock Co., Boston, Mass.
Rivett Lathe Mfg. Co. (Cutter), Brighton, Boston, Mass.
Russell Mfg. Co. (Side, Angular & Face Milling Cutters), Binghamton, N. Y.
STARK TOOL CO. ("Stark" Pinion Cutter Grinder), Waltham, Mass. (See adv. index, end of book)
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Walker Grinder Co., Worcester, Mass.
Wells, F. E. & Son Co., Greenfield, Mass.
Wilmarth & Morman Co., Grand Rapids, Mich.
Woods Engineering Co., Alliance, O.

*Grinders (Ring)

PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)

Grinders (Roll)

Diamond Machine Co. (Spindle & Roll), Providence, R. I.
Hamden Corundum Wheel Co., Brightwood, Mass.
Harrington, E. Son & Co., 17th & Callowhill, Philadelphia, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Springfield Mfg. Co., Bridgeport, Conn.

Grinders (Rotary Shear)

(See also Grinders, Rotary)

Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Springfield Mfg. Co., Bridgeport, Conn.

Grinders (Sample Ore)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Calkins Co. ("Advance" Disc, Hand or Power), Los Angeles, Cal.
Davis, F. M. Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Col.
Engelbach Machine Mfg. Co., Leadville, Col.
Mine & Smelter Supply Co., Denver, Colo.
Power Mining & Machinery Co., Cudahy, Wis.
Union Iron Works Co., San Francisco, Cal.

Grinders (Sand)

Wetherill, R. & Co., Chester, Pa.

Grinders (Saw)

COVEL MFG. CO. (Band Saw), Benton Harbor, Mich. (See adv. index, end of book)
Hinds, Thos., Malone, N. Y.
Q. M. S. Co. (Automatic), Plainfield, N. J.

Grinders (Sickle & Mower Knife)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Ajax Mfg. Co. ("Vulcan Moore"), Pittsburg, Pa.
Chapman, H. L. ("Chapman"), Marcellus, Mich.
Cheney, S. & Son ("Fowler"), Manlius, N. Y.
Chicago Wheel & Mfg. Co. ("Gem" & "Jewell"), Chicago, Ill.
Clizbe Bros. Mfg. Co. ("Daily," "Royal," "Star," "Crown" Sickle), Plymouth, Ind.
Comstock, Geo. S. ("The Lightning"), Mechanicsburg, Pa.
Cutaway Harrow Co. ("Dutton"), Higganum, Conn.
Herschel, R. Mfg. Co. ("Herschel," "New Model"), Peoria, Ill.
International Harvester Co. of America, ("Champion," "Deering," "McCormack," "Milwaukee," "Osborne," "Piano"), Chicago, Ill.
Leavitt Machine Co. ("Perfection"), Orange, Mass.
Luther Bros. Co. ("Bi-Pedal," "Challenge," "Luther," Sickle Grinders), North Milwaukee, Wis.
Luther, O. J. Co. ("Boler," "Western"), Port Washington, Wis.
Miessner Bros. & Co. (World's), Huntington, Ind.
Racine Malleable & Wrought Iron Co. ("Boss" & "Racine"), Racine, Wis.
Schofield & Co. ("Schofield"), Freeport, Ill.
Western Implement Co. ("Osborne," "Western," "Hill," "Farmers Joy" & Sickle Grinders), Port Washington, Wis.
WHITMAN & BARNES MFG. CO. ("Diamond" Bevel Wheel), Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co. ("Velox"), Aurora, Ill.
Wood, Walter A. Mower & Reaper Machine Co. ("Paragon"), Hoosick Falls, N. Y.

*Grinders (Silversmiths')

COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index, end of book)

Grinders (Spindle)

Moseley Lathe Co. ("Moseley" Traverse for Internal and External Grinding), Elgin, Ill.

Grinders (Surface)

American Die & Tool Co. (Combined Surface Grinder & Head), Reading, Pa
Barth Grinder Co., Fitchburg, Mass.
Besly, Chas. H. & Co. ("Besly" Flat Surface) 15 S Clinton, Chicago, Ill.
Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn
Brown & Sharpe Mfg. Co., Providence, R. I.
Challenge Machine Co., 5116 Springfield av, Phila., Pa.
Clark, Jas., Jr., Electric Co., Louisville, Ky
Cleveland Automatic Machine Co. ("Cleveland" Tool & Surface), Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth Ind
Clough, R. M., Tolland, Conn.
Diamond Machine Co. (Automatic, Hand, etc.) Providence, R. I
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Heald Machine Co., Worcester, Mass.
Hisey-Wolf Machine Co. (Portable Electric) Cincinnati, O.
Iroquois Machine Co., Providence, R. I., & 150 Nassau, New York
Landis Machine Co., Waynesboro, Pa.
La Salle Machine & Tool Co., La Salle, Ill.
Long & Allstatter Co. (Side Grinding for Flat Surfaces), Hamilton, O
National Machine Co., Hartford, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Safety Emery Wheel Co., Springfield, O.
Saxon Machine Co., Holyoke, Mass.
Springfield Mfg. Co., Bridgeport, Conn.
Stein, Wm. P., & Co., Rochester, N. Y.
Tanite Co., Stroudsburg, Pa.
Walker Grinder Co. (Walker Ideal Automatic Motor Drivers), Worcester, Mass.
Wilmarth & Morman Co., Grand Rapids, Mich.

Grinders (Swing Frame)

Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Cutter, Wood & Stevens Co., 68 Pearl, Boston, Mass.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Emery Wheel Mfg. Co., Tiffin, Ohio

Grinders (Tool)

(See Grinders, Plain Tool; also Grinders, Wet Tool)

Grinders (Tool Post)

Armstrong-Blum Mfg. Co. (Fitted for Attachment to Lathes & Planers), 107 N Francisco av, Chicago, Ill.
Grant Mfg. & Machine Co. (& Internal), Bridgeport, Conn.

Grinders (Track Rail)

Stow Mfg. Co. (Electric, with Flexible Shaft), Binghamton, N. Y.

Grinders (Twist Drill)

(See Grinders, Drill)

Grinders (Universal)

Brown & Sharpe Mfg. Co., Providence, R. I.
Diamond Machine Co., Providence, R. I.
Gisholt Machine Co. (For Lathes & Planer Tools), Madison, Wis.
Greenfield Machine Co., Greenfield, Mass.
Iroquois Machine Co., Providence, R. I., & 150
Landis Machine Co. (Cylindrical), Waynesboro, Pa.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
Lektro Mfg. Co. ("Lektro" Portable), Cincinnati, O.
Modern Tool Co., Erie, Pa.
Norton Grinding Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Springfield Mfg. Co., Bridgeport, Conn.
Thompson Grinder Co., Springfield, O.
Walker Grinder Co., Worcester, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Woods Engineering Co., Alliance, O.

Grinders (Valve)

Cleveland Pneumatic Tool Co. ("Cleveland" Portable), 6410 Hawthorne av, Cleveland, Ohio
Motch & Merryweather Mach. Co. ("Misch"), Cleveland, O.

Grinders (Vertical)

Diamond Machine Co. (Also with Polishing Drum), Providence, R. I.

Grinders (Wet Tool)

Barnes, B. F. Co., Rockford, Ill.
Bath Grinder Co. ("Bath"), Fitchburg, Mass.
Blount, J. G. & Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Challenge Machine Co., 5116 Springfield av, Phila., Pa.
Clark, Jas., Jr., Electric Co. (Electrically Driven), 313 W Main, Louisville, Ky.
Diamond Machine Co., Providence, R. I.
Edgemont Machine Co. ("Edgemont"), Dayton, Ohio
Gould & Eberhardt, Newark, N. J.
Heald Machine Co., Worcester, Mass.
Lutter & Gies ("Milwaukee"), 200 Lake, Milwaukee, Wis.
Monarch Emery & Corundum Wheel Co. ("Sellers"), Camden, N. J.
Northampton Emery Wheel Co., Leeds, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Queen City Punch & Shear Co. ("Heinss" Emery), 208 Lawrence, Cincinnati, O.

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Ransom Mfg. Co. (Belt or Motor Driven), Oshkosh, Wis.
Safety Emery Wheel Co., Springfield, O.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Tucker Machine Co., 222 E 9th, Cincinnati, O
Walker, O. S. & Co. ("Globe," Water Tool), Worcester, Mass.
Washburn Shops (Drill), Worcester, Mass.
Whitney Mfg. Co., Hartford, Conn.
Wilmarth & Morman Co. (Electrically Driven), Grand Rapids, Mich.

Grinders (Wood Pulp)

(See also Paper & Pulp Mill Machinery)

Bagley & Sewell Co., Watertown, N. Y.
Bellows Falls Machine Co., Bellows Falls, Vt.
Dayton Globe Iron Works Co., Dayton, Ohio
Dilts Machine Works, Fulton, N. Y.
Friction Pulley & Machine Works, Sandy Hill, N. Y.
Holyoke Machine Co., Holyoke, Mass.
Pusey & Jones Co., Wilmington, Del.
Scott, Olin, Bennington, Vt.
Valley Iron Works Co., Appleton, Wis.

*Grinding Stones (Compositions For)

SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Grindstone Boxes & Frames

American Tool & Machine Co., 109 Beach, Boston, Mass.
Athol Machine Co. (Iron), Athol, Mass.
Defiance Machine Works (Iron), Defiance, O.
Cleveland Stone Co. (Grindstone Frames), Hickox bldg, Cleveland, O.
Grabo, E. O., 180 Centre, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoppen, J. E. & Sons (Iron), Belleville, N. J.
Howard Iron Works (Iron), Buffalo, N. Y.
Putnam Machine Co., Fitchburg, Mass.
San Francisco Tool Works, 27 Stevenson, San Francisco, Cal.
Sellers, Wm. & Co. (Inc.), (Iron), 1600 Hamilton, Philadelphia, Pa.
Smith, H. B. Machine Co. (Iron), Smithville, N. J.

Grindstone Fixtures

American Foundry & Mfg. Co., St. Louis, Mo.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
National Supply Co., 7 W Lombard, Baltimore, Md.
Dean Hardware Co., Reading, Pa.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hdw. & Fdry. Co., Horsehends, N. Y.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

Grindstones

Atlantic Grindstone, Coal & Railway Co. (Ltd.), (Nova Scotia), Providence, R. I.
Bronson & Townsend Co., 406 State, New Haven, Conn.
Buffalo Foundry Supply Co., 839 Babcock, Buffalo, N. Y.
Cleveland Stone Co. ("Sterling"), Cleveland, O.
Columbia Stone Co. of Cleveland (Loose & Mounted), Cleveland, O.
Dayton Roll & Wringer Co., Dayton, O.
Everhard Co., Massillon, O.
Francis & Co., 850 Main, Hartford, Conn.
Garrett, James & Co., 1432 S Penn sq, Phila.
Gordon Metal Co., Richmond, Va.
Grafton Stone Co. (Also Scythe Stones), Elyria, O.
Kirk Grindstone Co., 1652 Dormann, Cincinnati, O.
Lombard & Co. (Nova Scotia), 23a A, Boston, Mass.
McCroden, Jno. & Co., 33 West, New York
Marietta Stone Co. (Inc.) (For Saw & Edge Tools, Files, etc.), Marietta, O.
Mitchell, Wilson, 605 N Front, Phila., Pa.
Morris, E. K. & Co., 317 W 2d, Cincinnati, O.
OHIO QUARRIES CO., 818 Euclid av, Cleveland, O., & 1 Madison, N. Y. Quarries & Mills, Amherst, O.
Penn Hardware Co. (Kitchen), Reading, Pa.
Pike Mfg. Co., 151 Chambers, N. Y., & Pike Station, N. H.
Richards Mfg. Co. (Mounted & Ball Bearing), Aurora, Ill.
Smith's Jno. E. Sons Co., Buffalo, N. Y.
Wallace Co., Port Austin, Mich.
WHITMAN & BARNES MFG. CO. (Tubular & Wood Frame, etc.), Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.

Grindstones (Kitchen)

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Wilcox Mfg. Co., Aurora, Ill.

Grips (Cable)

Elgin Mfg. Co. ("McMahon" Underground), Elgin, Ill.
Glass, Geo. H., & Co. ("Never Slip" Wire), Pekin, Ill.
Hallett Iron Works ("McMahon"), 92 W Pork, Chicago, Ill.
Hazard Mfg. Co. (For Coal Cars or Mine Wagons), Wilkes-Barre, Pa.
Klein, Mathias, & Sons ("Quick Samson"), 87 W Van Buren, Chicago, Ill.
Litchfield Foundry & Machine Co. ("Morgan's," for Mine Cars, etc.), Litchfield, Ill.
Mullin, Coleman J. Co. ("Gem"), 432 Kent av, Brooklyn, N. Y.
Universal Cable Grip Co. ("Universal," for Underground or Aerial Cables), Syracuse, N. Y.

Grips (Chain Tire)

Weed Chain Tire Grip Co., 28 N Moore, New York

Grips (Nail)

Vaughn & Bushnell (V" & B." Eight Steel Fingers), 875 W Carroll av, Chicago, Ill.

Grips (Socket Strain Relief)

Marshall Electric Co. (Fibre), Boston, Mass.
Swan Electric Co., Boston, Mass.
Trumbull Elec. Mfg. Co., Plainville, Conn.

Grips (Steering Lever)

American Enamel Co., Neville, Providence, R. I.
Goodrich, B. F. Co., Akron, O.
Mesinger Mfg. Co., 1801 1st av, New York
Woodworth Bros., Newton Highlands, Mass.

Grommet Inserting Dies & Cutters

Wilcox, Crittenden & Co., Middletown, Conn.

Grommets (Metal)

American Ring Co., Waterbury, Conn.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
BETTCHER MFG. CO., Clark av at C. C. C. & St. L. Ry, S W, Cleveland, O. (See adv. index, end of book)
Grammes, L. F. & Sons, Allentown, Pa.
Jenkinson, R. C. & Co., Newark, N. J.
Judd, H. L. Co. (Carpet Pins & Sockets), 87 Chambers, New York
Metal Stamping Co. (Grommet Knobs), 243 West, New York
Rimmon Mfg. Co., Seymour, Conn.
Stimpson, Edwin B. & Son (Brass), 31 Spruce, New York
TURNER & SEYMOUR MFG CO., Torrington, Conn. (See adv. index, end of Waterbury Brass Co., Waterbury, Conn. book)
Wilcox, Crittenden & Co. (Brass), Middletown, Conn.

Groovers (Sheet Metal)

Barber Mfg. Co. ("Noyes"), Ashtabula, O.

Guano Distributors

Fletcher, John C., McColl, S. C.
Gantt Mfg. Co. ("Gantt's"), Macon, Ga.
Navassa Guano Co. (Mfrs.), Wilmington, N. C.

Guards (Arc Lamp Wire)

Hamblin & Russell ("Never Break"), Worcester, Mass.
MORSE, FRANK W. ("Never Break"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Guards (Cattle, for Railways)

American Bridge Co., 30 Church, New York
Buda Foundry & Mfg. Co. ("Buda"), Railway Exchange bldg, Chicago, Ill.
Climax Stock Guard Co. ("Climax," Vitrified Clay), Canton, O.
Columbian Mail Crane Co. ("Columbian" Steel), 898 Factory, Columbus, O.
Cook's Standard Tool Co. ("Cook's," Steel & "Cook's Steel-Wood"), Kalamazoo, Mich.
FAIRBANKS, MORSE & CO. ("Trackman's" & "Sheffield"), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Handlan-Buck Mfg. Co. (Chain Surface), 212 N 3d, St. Louis, Mo.
Johnson, W. P. Co., 125 La Salle, Chicago, Ill.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
National Surface Guard Co., The Bookery, Chicago, Ill.
Railroad Supply Co., 215 Dearborn, Chicago, Ill.
Sheffield Car Co., Three Rivers, Mich.
Wallace Surface Cattle Guard Mfg. Co., Monroe, Ark.

*Guards (Cellar Door)

CINCINNATI MFG. CO. (Autogate), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)

Guards (Electric Lamp)

Attleboro Electric Mfg. Co. ("Greenwood" Steel Only), Attleboro, Mass.
Benjamin Electric Mfg. Co. ("Can't Break"), 42 W Jackson boul, Chicago, Ill.
Browne, Wm. L. ("Shadeguard"), Worcester, Mass.
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Crescent Co. ("Wagor," "Protector"), Valparaiso, Ind.
DARBY, EDW. & SONS CO. (Wire), 239 Arch, Phila., Pa. (See adv. index, end of book)
Electric Service Supplies Co. ("O-K"), Phila., Pa.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS, 59 Fulton, New York. (See adv. index, end of book)
Gall-Webb Mfg. Co., Buffalo, N. Y.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Greenwood Mfg. & Supply Co. ("Greenwood," "Peerless"), 147 Milk, Boston, Mass.
Hamblin & Russell Mfg. Co. ("Never Break"), Worcester, Mass.
Hipwell Mfg. Co., North Side, Pittsburg, Pa.
Holdfast Lamp Guard Co., 219 N 2d, St. Louis, Mo.
Hubbell, Harvey, Bridgeport, Conn.
Inglis, Wm. Wire & Iron Works ("Perfection"), 69 Woodbridge, Detroit, Mich.
Joseph, Sigmund, 245 W B'way, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MORSE, FRANK W. ("Never-Break"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Mullin, Coleman J. Co., 430 Kent av, Brooklyn, N. Y.
National Mfg. Co., Worcester, Mass.
Russell & Stoll Co., 48 Cliff, New York
Standard Electric & Chemical Co. ("Universal"), 226 S Clinton, Chicago, Ill.
Standard Wire Co., Newcastle, Pa.
Wire Goods Co., Worcester, Mass.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Guards (Lawn)

Bethlehem Foundry & Machine Co. (Ornamental Cast & Wrought Iron), Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Guards (Mower & Reaper)

Henry & Allen, Auburn, New York
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

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Guards (Portable Lamp, Wire)

Benjamin Electric Mfg. Co. ("Protectalite"), 40 W Jackson boul, Chicago, Ill.
Crescent Co. ("Bull Dog," Improved Protector"), Valparaiso, Ind.
Electric Service Supplies Co. ("Keystone"), 1020 Filbert, Phila., Pa.
FRINK, I. P., 551 Pearl, New York. (See adv. index, end of book)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Joseph, Sigmund, 245 W B'way, New York
MORSE, FRANK W. ("Never Break"), 516 Atlantic av, Boston, Mass. (See adv. index end of book)
Mullin, Coleman J. Co., 430 Kent av, Brooklyn, N. Y.
Overbagh & Ayres Mfg. Co. ("Camco"), 232 S Clinton, Chicago, Ill.
Robb & Blackmer, Boston, Mass.
Russell & Stoll Co., 48 Cliff, New York
Seidler-Miner Elec. Co. ("S-M" Watertight Bunch Light), Detroit, Mich.
Swan Electric Co., Boston, Mass.
Wells Light Mfg. Co., 14 Church, New York

*Guards (Railroad Bridge)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)

Guards (Safety Car)

McGuire-Cummings Mfg. Co. (Coil Spring Safety Guards Used Between Cars), 122 N Sangamon, Chicago, Ill.
Meyer Safety Guard Co. (For Open & Closed Cars to Prevent Passengers from Boarding or Alighting While Car is in Motion), Omaha, Neb.

*Guards (Skylight)

BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
ESTEY BROS. CO. (Wire), Liberty & Greenwich, New York. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO. 8th & Eggleston av, Cincinnati, O., and 1133 B'way, New York. (See adv. index, end of book)

Guards (Tree)

(See Iron Railings & Fences)

Guards (Trolley)

Automatic Trolley Guard Co., Buffalo, N. Y.
National Railroad Trolley Guard Co., 11 Pine, New York

Guards (Wheel)

Bethlehem Foundry & Machine Co. (Cast Iron), Front, South Bethlehem, Pa.
Sterling-Meaker Co. (For Electric Cars), Newark, N. J.

Guards (Window)

(See Grilles, Various Kinds; also Wire Workers)

*Guides (Elevator)

STANDARD GAUGE STEEL CO. (Compressed Steel & Finished Tees), Beaver Falls, Pa. (See adv. index, end of book)

Gum (Pure Rubber Splicing)

Boston Woven Hose & Rubber Co., Cambridge, Clifton Mfg. Co., Boston, Mass. Mass.
Consumers Rubber Co. ("Samson"), Cleveland, Ohio
Massachusetts Chemical Co., Walpole, Mass.
Morgan & Wright, Detroit, Mich.

Gum-Lac

Ball Chemical Co. (A Pure Gum & Spirit Varnish), Pittsburg, Pa.

Gummers (Saw)

Adams, W. T. Machine Co., Corinth, Mass.
Ajax Mfg. Co. ("Standard," "I. X. L." & "Great American"), Allegheny, Pa.
American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atkins, E. C. & Co. (Inc.), Main Office & Factories, Indianapolis, Ind.
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Austin & Son ("Champion"), Grand Rapids, Mich.
California Saw Works, San Francisco, Cal.
COVEL MFG. CO. (Automatic), Benton Harbor, Mich. (See adv. index, end of book)
Diamond Machine Co., Providence, R. I.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Gerlach, Peter Co. ("Gerlach," for Cylinder, Resaw, Heading, Siding, Shingle, Veneer, etc.), Columbus rd & Winter, Cleveland, O
Henderson, W. K. Iron Works & Supply Co., Shreveport, La.
Hinds, Thos. (Band Saws), Malone, N. Y.
Hoe, R. & Co., 504 Grand, New York
Howell, R. R., & Co., 31st av, cor S E 4th, Minneapolis, Minn.
Mixter, J. W. Saw Tool Co. (For Circular Saws, also Automatic Self-Feed ("Champion" Saw Gummer), Plymouth, Mass.
Reed, Joe. B. (The Hoo-Hoo), Cairo, Ill.
Riverside Iron Works (Crescent), Kokomo, Ind.
Rogers, S. C. & Co., 10 Lock, Buffalo, N. Y.
Rowe & Trunnell, 128 W 2d, Cincinnati, O.
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.
Tanite Co., Stroudsburg, Pa.
Wood Gummer & Filer Co., Atlanta, Ga.

*Gun Cotton

(See also Cotton, Caulking & Gun)

DU PONT, E. I., de NEMOURS POWder Co., Wilmington, Del. (See adv. index & branch offices, end of book)

Gun Implements

(See Tools, Gun Cleaning & Re-Loading)

Gun Mfrs.

(See Rifles, Guns, Etc.)

Gymnastic Apparatus

Narragansett Machine Co., Providence, R. I.
Spalding, A. G. & Bros., 126 Nassau, New York, & 149 Wabash av, Chicago, Ill.

Hack Saws

(See Saws, Hack; also Hack Saw Machines; also Blades & Frames)

Hair Cloth Mfrs.

Cataract Hair Cloth Co., Niagara Falls, N. Y.
French Hair Cloth Co., Pawtucket, R. I.
Mawson, Jno. Hair Cloth Co., Kensington & Glenwood avs, Phila., Pa.
Rock, J. E., Niagara Falls, N. Y.

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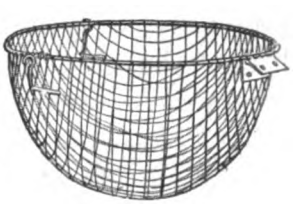
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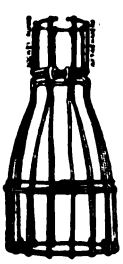

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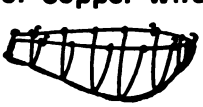

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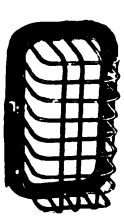
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Hair (Curled)

American Glue Co., Boston, Mass.
Armour Curled Hair, 205 La Salle, Chicago, Ill.
Baeder, Adamson & Co., 210 Chestnut, Philadelphia, Pa.
Blehdon, V. R., Buffalo, N. Y.
Burkhart, F. Mfg. Co., 720 N Main, St. Louis, Mo.
Coghlan, Jos. T. & Co., E Lehigh av & Edgemont, Phila., Pa.
Delany & Co., 209 N 3d, Philadelphia, Pa.
Eagle Glue & Curled Hair Co., 2 Dover, New York
Gordon Bros., Pierce & Orthodox, Philadelphia, Pa.
Grover, Jno. O. & Son, 2800 Tulip, Phila., Pa.
Mason, Henry J., 521 Arch, Phila., Pa.
Mitchell, P. R. Co., Harrison & Spring Grove av, Cincinnati, O., & 185 Canal, New York
Reardon Mfg. Co., 1353 N B'way, St. Louis, Mo.
Ritchie, Geo. B. & Co., 57 Ferry, New York
Rogers, C. L. & Co., 145 5th av, New York
Smith, Oscar & Son Co. (Inc.), 310 Spruce, Phila., Pa.
Swift & Co., Chicago, Ill.
Tunnell & Co., F. W., 15 N 5th, Phila., Pa.
Walpert, Fred. & Co., 156 5th av, New York
Wilkins Bros., 440 Pearl, New York
Wilkins, Wm. Co., Baltimore, Md.
Williams, Geo., New York City.
Woll, Peter & Sons, 27 Howard, N. Y., & 171 Berks, Philadelphia, Pa.
Zeidman, Morris, 359 Market sq, Chicago, Ill.

Hair Dryers (Electric)

Birtman, C. F. Co., 152 E Lake, Chicago, Ill.
Camp Co., La Crosse, Wis.
Electric Mfg. Co., San Francisco, Cal.
Fidelity Electric Co. ("Universal"), Lancaster.
Halliwell & Co., 109 E 12th, New York Pa.

Hames (Mine & Lumbering)

Beagle Hame Works, Freeland, Pa.
Hoch Hames Co., Hazleton, Pa.
Kugler, Clarence B., Jr., & Co., Land Title bldg, Phila., Pa.
Olewine, Wm. & Son, Hazleton, Pa.
Pittsburg Harness Supply Co., Pittsburg, Pa.
Strecker Bros. Co., Marietta, O.
Stratton, J. P., & Son, Sullivan, Ind.
U. S. Hame Co., Buffalo, N. Y.

Hames (Steel & Wood)

Star Hame Mfg. Co. (Wood), Blanchester, O.
Todd Mfg. Co., New Albany, Ind.
U. S. Hame Co., Buffalo, N. Y.

Hammers (Blacksmiths')

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, Atha Tool Co., Newark, N. J. end of book)
Beall Bros. (Inc.) (Flatters, Set, etc.), Alton, Ill.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
BLISS, E. W., CO. (Drop Forged), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Champion Tool Co. ("Champion"), Meadville, Pa.
Cheney, Henry, Hammer Co., Little Falls, N. Y.
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hammond, C. & Son, Ogontz, Pa.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Isle, A. W. & Son, 51 Pitt, Boston, Mass.
Jones & Laughlins Steel Co., Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg.
Mack & Co., Rochester, N. Y. Pa.
Maydole, David Hammer Co., Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B."), Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warner, M. R. & Son, Cromwell, Conn.

Hammers (Blacksmiths', Foot Power)

Standish Machine & Supply Co., Columbus, O.
Sutton, C. E. Co., Toledo, O.

Hammers (Board Drop)

Williams, White & Co. (Friction), Moline, Ill.

Hammers (Boiler Makers')

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, Atha Tool Co., Newark, N. J. end of book)
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Isle, A. W. & Son, 51 Pitt, Boston, Mass.
Maydole, David Hammer Co., Norwich, N. Y.

Hammers (Brass)

Goodelt-Pratt Co., Greenfield, Mass.

Hammers (Brick)

(See Hammers, Masons')

Hammers (Bush)

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Brunner & Lay, 133 W Polk, Chicago, Ill.
Evansville Tool Works, Evansville, Ind.
Hauck, Wm. J., 306 Southwest boul, Kansas City, Mo.
Livingston Mfg. Co., Rockland, Me.
Mack & Co., Rochester, N. Y.
Stubbs Steel Co., 17 N 5th, Philadelphia, Pa.
Trow & Holden, Barre, Vt.

Hammers (Chipping)

BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Maydole, David Hammer Co. (Crucible Steel), Norwich, N. Y.

Hammers (Claw)

Arcade Mfg. Co. (Cast), Freeport, Ill.
Atha Tool Co., Newark, N. J.
Cheney, Henry Hammer Co., Little Falls, N. Y.
Franklin Specialty Co. ("Cracker Jack" Nickel Plated), Reading, Pa.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Humason & Beckley Mfg. Co. (Carpenters), New Britain, Conn.
Maydole, David, Hammer Co., Norwich, N. Y.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Stover Mfg. Co., Freeport, Ill.

*Hammers (Concrete Bush)

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

*Hammers (Concrete Tooling)

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

Hammers (Confectioners')

Erie Specialty Co., Erie, Pa.

Hammers (Coopers')

Atha Tool Co., Newark, N. J.
Maydole, David Hammer Co., Norwich, N. Y.
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.

Hammers (Copper)

Eureka Tempered Copper Works, North East, Pa.
Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York
McNab & Harlin Mfg. Co., 56 John, New York
West Haven Mfg. Co. (Pure Copper), New Haven, Conn.

Hammers (Drilling & Striking)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works (up to 5 lbs.), Evansville, Ind.
Fulton Tool Works, Canal, Fulton, O.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hardsocg, Martin Co., Allegheny, Pa.
Hubbard & Co. (Striking), Pittsburg, Pa.
Humason & Beckley Mfg. Co., "H. & B. Cast Steel." New Britain, Conn.
Iron City Tool Works (Ltd.), Pittsburg, Pa.
Klein-Logan Co., 13th & Breed, Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick" Double Faced), Works, Cheswick, Pa.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Warner, M. R. & Son, Cromwell, Conn.
Warwood Tool Co., Wheeling, W. Va.

Hammers (Drop)

(See also Presses, Drop)

Alliance Machine Co., Alliance, O.
Atlas Mfg. Co., Fostoria, O.
Billings & Spencer Co., Hartford, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bremer Machine & Tool Co. (Also Spring Hammers), Kalamazoo, Mich.
Cady Machine Co., Cleveland, O.
CANTON FOUNDRY & MACHINE CO. ("Universal," Non-Crystallizing Housing), Canton, O. (See adv. index, end of book)
Chambersburg Engineering Co. (Steam), Chambersburg, Pa.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
Erie Foundry Co. (Steam), Erie, Pa.
Iroquois Machine Co. (Automatic & Plain), Providence, R. I.
Long & Allstatter Co. (Heavy, for Binding, Drop Forging, Forming, Stamping, etc., Belt, Motor & Steam Driven), Hamilton, O.
Massillon Foundry & Machine Co. ("Lane" Steam), Massillon, O.
MERRILL BROS., William st., Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Michigan Machinery Mfg. Co. ("Michigan"), Ypsilanti, Mich.
Miner & Peck Mfg. Co., New Haven, Conn.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
NIAGARA MACHINE & TOOL Works, c Superior & Randall, Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Hand Power & Compressed Air), Warren, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Scaife Foundry & Machine Co. (Ltd.), 28th & Smallman, Pittsburg, Pa.
Toledo Machine & Tool Co., Toledo, O.
TUOHY BROS. CO., 30 Church (Hudson Terminal bldg), New York. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co. (Crank Lift & Twin Drop), Moline, Ill.
Wood, Wm. H., Media, Pa.

Hammers (Engineers')

(See Hammers, Machinists')

Hammers (Farriers')

(See Hammers, Blacksmiths')

Champion Tool Co., Meadville, Pa.
Cheney, Henry Hammer Co., Little Falls, N. Y.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Heller Bros. Co., Newark, N. J.
Maydole, David Hammer Co., Norwich, N. Y.

Hammers (Foot Power)

Arcade Mfg. Co. ("Freeport"), Freeport, Ill.
Kerrihard Co. ("Kerrihard"), Red Oak, Iowa
Novelty Iron Works ("Boss," for Plow, Wagon Heavy Work), Dubuque, Iowa
Standish Machine & Supply Co. ("Standish"), Columbus, O.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, O.
Vulcan Iron Works ("Vulcan"), Mason City, Iowa

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Hammers (Granite & Marble)
(See Hammers, Stone Cutters')

Hammers (Helve)
Bradley, C. C. & Son (Cushioned), Syracuse, N. Y.
ELMES, CHAS. F. ENGINEERING Works (Steam), cor Fulton & Sangamon Chicago, Ill. (See adv. index, end of book)
Fogiesong Machine Co. ("Dayton" Spring-Cushioned), Dayton, O.
Lingle, J. H., Bellefonte, Pa.
Long & Allstatter Co. (Adjustable Cushioned, Belt, Motor or Steam Driven), Hamilton, O.
Niles-Bement-Pond Co. (Rubber Cushioned), 111 B'way, New York
Novelty Iron Works (G. E. Davis, Prop.) ("Helva"), Dubuque, Ia.
West Tire Setter Co. ("Rochester"), Rochester, N. Y.

Hammers (Interchangeable)
Greene, Tweed & Co. (The Colvin, with Rawhide, Wood or Copper Head), 17 Murray, New York

Hammers (Justice)
Williams, White & Co., Moline, Ill.

*Hammers (Locomotive Frame Welding)
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Hammers (Macadamizing)
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.

Hammers (Machinists')
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Cheney, Henry Hammer Co., Little Falls, N Y
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Maydole, David Hammer Co. (Crucible Steel), Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Smith, H. D. & Co. ("Perfect Handle" Drop Forged), Plantsville, Conn.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N. W., Cleveland, O. (See adv. index, end of book)
Vaughan & Bushnell Mfg. Co. ("V. & B."), 875 Carroll av, Chicago, Ill.
Warner, M. R. & Son, Cromwell, Conn.
WHITMAN & BARNES MFG. CO. ("W. & B."), Chicago, Ill. (See adv. index & branch offices, end of book)

Hammers (Magnet)
Arcade Mfg. Co. ("Longden"), Freeport, Ill.
Robertson, Arthur R. (Horseshoers, Tack, Bill Posters, etc.). 144 Oliver, Boston, Mass.
Rocky Hill Hardware Co., Rocky Hill, Conn.

Hammers (Masons')
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Black, John B. (also Bricklayers'), Chester, Pa
Crescent Novelty Mfg. Co. (Brick), 708 S B'way, St. Louis, Mo.
Drew, C. & Co., Kingston, Mass.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hammond, C. & Son, Ogoontz, Pa.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Isle, A. W. & Son, 51 Pitt, Boston, Mass.
Klein-Logan Co., S 18th & Breed, Pittsburg, Pa.
Marshalltown Trowel Co. (Brick), Marshalltown, Iowa
Maydole, David Hammer Co., Norwich, N. Y.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works, Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Schueddig, F. Son., 525 S Jefferson av, St. Louis, Mo.
Stortz, Jno. & Son, 210 Vine, Philadelphia, Pa.
Warner, M. R. & Son, Cromwell, Conn.
Warwood Tool Co., Wheeling, W. Va.
White, L. & I. J. Co., 148 Perry, Buffalo, N. Y.

Hammers (Napping)
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hubbard & Co., Pittburg, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa
Klein-Logan Co., S. 18th & Breed, Pittsburg Pa
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Arrott bldg, Pittsburg, Pa. Works Cheswick, Pa
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.

*Hammers (Pattern Makers')
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Hammers (Pavers')
Ames Plow Co., Quincy Hall, Boston
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Crescent Novelty Mfg. Co., 708 S B'way, St. Louis, Mo.
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Isele, A. W. & Son, 51 Pitts, Boston, Mass.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa
Schueddig, F. Son., 525 S Jefferson av, St Louis, Mo.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
White, L. & I. J. Co., 148 Perry, Buffalo N. Y.

Hammers (Pile Drivers')
AMERICAN HOIST & DERRICK CO. St. Paul, Minn. (See adv. index & branch offices, end of book)
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Contractors' Plant Mfg. Co., 125 Erie, Buffalo, N. Y
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, N. Y., & Old Colony bldg, Chicago. (See adv. index & branch offices, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
Toledo Foundry & Machine Co., 202 Cherry Toledo, O
South St. Louis Foundry, 7516 S B'way St Louis, Mo
Union Iron Works ("Arnott" Steam), Hoboken, N. J.
Vulcan Iron Works ("Warrington-Nasmith"), 59 Milwaukee av, Chicago, Ill.

*Hammers (Plumbers')
BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)

Hammers (Power)
Alliance Machine Co., Alliance, O.
American Machine & Mfg. Co. ("American"), Cleveland, O.
Beaudry & Co. (Inc.), 141 Milk, Boston, Mass.
BLISS, E. W. Co., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bradley, C. C. & Son, Syracuse, N. Y.
Buffalo Foundry & Machine Co., Buffalo, N. Y.
Central Machine Works Co. (The "Force"), Minneapolis, Minn.
Chambersburg Engin'g Co., Chambersburg, Pa.
Dienelt & Eisenhardt ("Dead Stroke" Spring), 1802 N Howard, Philadelphia, Pa.
Fairbanks, E. T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Grinnell Mfg. Co. ("Modern"), Grinnell, Ia.
Hawkeye Mfg. Co. ("Hawkeye"), Cedar Rapids, Iowa
Hees Machine Works, 2512 Callowhill, Phila., Pa.
Howe Scale Co., Rutland, Vt.
Johnston & Jennings Co., Cleveland, O.
Justice, Phillip S. & Co. ("Justice" Spring), 421 Chestnut, Philadelphia, Pa.
Kauffman, J. A. ("Kauffman's"), Miamisburg, Ohio
Kane & Roach, Syracuse, N. Y.
Kerrihard Co. ("Kerrihard"), Red Oak, Iowa
Leonhardt, Chas. ("Leonhardt" Adjustable), New Ulm, Minn.
Long & Allstatter Co. (Belt, Motor or Steam Driven), Hamilton, Ohio
Macgowan & Finnigan Foundry & Machine Co. ("Perfect" Trip), St. Louis, Mo.
Manning, Maxwell & Moore, 85 Liberty, N. Y.
MERRILL BROS. (Air Cushion), William st., Maspeth (Borough of Queens), New York. (See adv. index, end of book)
MORGAN ENGINEERING CO., Alliance, Ohio. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Novelty Iron Works (G. E. Davis, Prop.) ("Helva" & "Boss"), Dubuque, Ia.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Quincy, Manchester, Sargent Co. (Small Post Type), Plainfield, N. J.
Scranton & Co., New Haven, Conn.
Standish Machine & Supply Co. ("Standish"), Columbus, O.
Toledo Machine & Tool Co., Toledo, O.
Turner, Vaughn & Taylor Co. (For Making Chain Only), Cuyahoga Falls, O.
Vulcan Iron Works ("Vulcan"), Mason, City, Iowa
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co. ("Yeakley," Justice), Moline, Ill.
Woolly Foundry & Machine Co., Anderson, Ind.

Hammers (Rawhide)
(See Mallets, Rawhide)

Hammers (Riveting)
Champion Tool Co. ("Champion"), Meadville, Pa.
Cheney, Henry, Hammer Co., Little Falls, N. Y.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Granger, David J., 25 S Canal, Chicago, Ill.
Hammond, C. & Son, Ogontz, Pa.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Maydole, David Hammer Co. (Crucible Steel), Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Stover Mfg. Co., Freeport, Ill.
Warner, M. R. & Son, Cromwell, Conn.

Hammers (Rotary Riveting)
Williams, White & Co., Moline, Ill.

Hammers (Saddlers')
Johnson, Wm. (Hedenberg Works), Newark, N. J.

Hammers (Saw Setting)
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Hanchett Sewage Works, Big Rapids, Mich.
Menominee Saw Co., Menominee, Mich.
Simonds Mfg. Co., Fitchburg, Mass.
Stearns, E. C. & Co., Syracuse, N. Y.

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Hammers (Shoemakers')

Franklin Specialty Co. ("Our Hub"), Reading, Pa.

Hammers (Slaters')

(See also Tools, Slaters')

Anderson, W. H. Tools & Supply Co., 14 Macomb, Detroit, Mich.
Evansville Tool Works, Evansville, Ind.
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. (See adv. index, end of book)
Harvey, H. H., 608 Atlantic av., Boston, Mass.
Isele, A. W. & Son, 51 Pitts, Boston, Mass.
Stortz, Jno. & Son., 210 Vine, Phila., Pa.

Hammers (Steam)

Alliance Machine Co., Alliance, O.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Buffalo Foundry & Machine Co. ("Bell"), Buffalo, N. Y.
Chambersburg Engineering Co. (Single & Double Frame), Chambersburg, Pa.
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works (Helve), c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Erie Foundry Co. ("Erie," Single & Double Frame), Erie, Pa.
Kline, Lewis T., Alpena, Mich.
McDougal & Potter Co, 606 W 55th, New York
Manning, Maxwell & Moore, 85 Liberty, New York
Massillon Foundry & Machine Co. ("Lane" Forge), Massillon, O.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
MONIGHAN MACHINE CO. ("American," Single & Double Frame), 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
MORGAN ENGINEERING CO. (Single & Double Stand), Alliance, O. (See adv index & branch offices, end of book)
Niles-Bement-Pond Co. (Single, Double & Open Frame), 111 B'way, New York
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Q. M. S. Co., Plainfield, N. J.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Trethewey, Samuel & Co. (Especially for Tool Steel), 47th & Plummer, Pittsburg, Pa.

Hammers (Stone Cutters')

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co. (All Kinds), Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y., (See adv. index, end of book)
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Harvey, H. H., 608 Atlantic av., Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Isele, A. W. & Son, 51 Pitt, Boston, Mass.
Klein, Logan Co., S 13th & Breed, Pittsburg, Pa.
Mack & Co., Rochester, N. Y.
Maydole, David Hammer Co., Norwich, N. Y.
Plumb, Fayette R. (Inc.), Frankford, Phila, Pa.
Schueddig, F. Son, 525 S Jefferson av, St. Louis, Mo.
Trow & Holden, Barre, Vt.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warner, M. R. & Son, Cromwell, Conn.
Warwood Tool Co., Wheeling, W. Va.
White, L. & I. J. Co., Buffalo, N. Y.

Hammers (Striking)

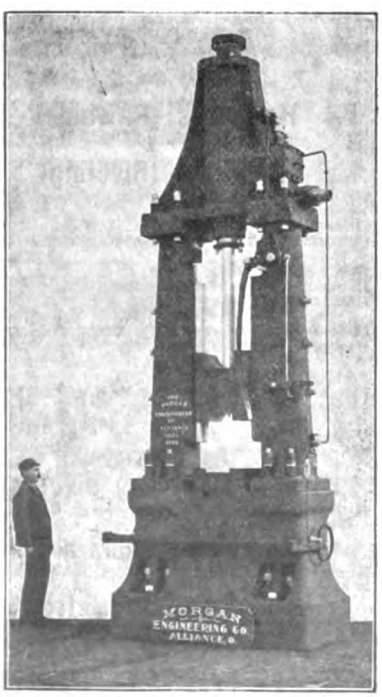
(See Hammers, Drilling & Striking)

Hammers (Tack & Nail)

Arcade Mfg. Co. (Cast Claw, etc.), Freeport, Ill
Atha Tool Co., Newark, N. J.
Billings & Spencer (Tack Hammer & Puller Combined), Hartford, Conn
Braunsdorf-Mueller Co., Elizabeth, N. J.
Chantrell Tool Co. (Cast Iron & Steel), Reading, Pa.
Cheney, Henry, Hammer Co., Little Falls, N. Y.
Denison Mfg. Co. (Tack), Warren, O.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Evansville Tool Works, Evansville, Ind.
Findlay Axe & Tool Co., Findlay, O.
Franklin Specialty Co. ("Cracker Jack," "Korker," "Winner"), Reading, Pa.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hammond, C. & Son, Ogonts, Pa.
Hardware & Woodenware Mfg. Co. ("Brighton" & "L. & S. I. Co."), 693 B'way, New York
Heller Bros. Co., Newark, N. J.
Henry, John T. Mfg. Co., Hamden, Conn.
Humason & Beckley Mfg. Co. ("H. & B." Cast Steel), New Britain, Conn.
Kennedy Mfg. Co. (Magazine Tack, etc.), Easton, Mass.
Kilborn & Bishop Co. ("K. & B."), New Haven, Conn.
Landers, Frary & Clark, New Britain, Conn.
Maydole, David Hammer Co. (Nail only), Norwich, N. Y.
New England Specialty Co., North Easton, Mass.
Osborne, C. S. & Co., 96 Mechanic, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Piper Mfg. Co., Winchendon, Mass.
Robertson, Arthur R. (Magnetic), 144 Oliver, Boston, Mass.
Sayre, L. A. Co., Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Stover Mfg. Co. (Cast), Freeport, Ill.
Troy Nickel Works (Jno. E. Gaitley, Prop.) (Alaska, Solid Steel, Full Nickel Plated), Albany, N. Y.
Vaughn & Bushnell Mfg. Co. ("Adze Eye Drop Forged"), Chicago, Ill.
WHITMAN & BARNES MFG. CO. ("W. & B." Nail), Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, A. C. Co., Ravenna, O.
Williams, C. A. & Co., Skowhegan, Me.
Wrightsville Hardware Co., Wrightsville, Pa.

Hammers (Tinners')

Atha Tool Co., Newark, N. J.
Cheney, Henry, Hammer Co., Little Falls, N.Y.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Maydole, David, Hammer Co., Norwich, N.Y.



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Brussels 52 Rue Du Congres

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Hammers (Tire Welding)

(See Tire Welding Machines)

Hammers (Trip)

(See also Hammers, Power)

Crane, W. W Foundry & Machine Works (Air Cushion), Auburn, N. Y.
Diamond Iron Works ("Iron Store Giant"). Minneapolis, Minn.
Kansas City Trip Hammer Co. ("Hercules," Three Sizes). Kansas City, Kan.
Kauffman, J. A., Miamisburg, O.
Macgowan & Finnigan Foundry & Machine Co. ("Perfect"), St. Louis, Mo.
Mayer Bros. ("New Little Giant" & "The Easy"), Mankato, Minn.
MERRILL BROS., William st., Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Novelty Iron Works ("Boss," for Plow, Wagon & Heavy Work), Dubuque, Iowa

Hammers (Upholsterers')

Arcade Mfg. Co., Freeport, Ill.
Atha Tool Co., Newark, N. J.
Dicke Tool Co., Downer's Grove, Ill.
Bonney Vise & Tool Works (Inc.) (Steel), Allentown, Pa.
Franklin Specialty Co. ("Franklin"), Reading, Pa.
Germantown Tool Works, 518 Commerce, Gtn., Phila., Pa.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Johnson, William (Heidenberg Works), Newark, N. J.
Kraeuter & Co., Newark, N. J. N. J.
Osborne, C. S. & Co., Newark, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

Hammers (Vacuum)

Williams, White & Co. ("Yeakley"), Moline, Ill.

Hammock Mfrs.

Brayshaw, Jas., North Weymouth, Mass.
Fowler Net & Twine Co., 107 S 2d, Phila., Pa.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Goodall Hammock Co., Rockfall, Conn.
Hoffman-Corr Mfg. Co. (Globe-Lion Brand), 55 White, New York
Hohlfeld Mfg. Co., 8th & Dauphin, Phila., Pa.
Hough Shade Corporation, Janesville, Wis.
King, Folding Canvas Boat Co., Kalamazoo, Mich.
La Crosse Hammock Works, La Crosse, Wis.
Masland, Joseph H., Co., 4819 Gtn av, Phila., Pa.
Palmer, L. E., Middletown, Conn.
Patterson Mfg. Co., 2300 N 8th, Philadelphia, Pa.
Shoyer, D. W. & Co., 394 B'way, New York
SUN MFG. CO ("Sunshine" for Porches, etc.), Columbus, O. (See adv. index, end of book)
Sun Mfg. Co. ("Sunshine" for Porches, etc.), Columbus, O.
Thomas, T. B. & Co., Quincy, Mass.
Travers Bros. Co., 201 B'way, New York
Western Hammock Co., La Crosse, Wis.
Weston & Wells Mfg. Co., 1110 Noble, Phila., Pa.

Hammocks (Woven Wire)

Lloyd Mfg. Co., Minneapolis, Minn.

Hampers

(See Baskets, Hampers, Etc.)

Handcuffs

Marlin Fire Arms Co., New Haven, Conn.
Tower & Lyon Co., Chambers, New York
Wilkinson Mfg. Co., Binghamton, N. Y.

Hand Grenades

(See Fire Extinguishers)

*Hand Rails (Steel)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR Co., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)

Handcuffs & Twisters

Marlin Fire Arms Co., New Haven, Conn.
Tower & Lyons Co., 95 Chambers, New York
Wilkinson Mfg. Co., Binghamton, N. Y.

Handles (Adjustable Auger)

Bonney Vise & Tool Works (Inc.) ("Hayes"), Allentown, Pa.
Millers Falls Co. ("Rogers," Gun's Ratchet), 28 Warren, New York; Works: Millers Falls, Mass.
Swan, James, Co. ("Swan's"), Seymour, Conn.

Handles (Agricultural Tool)

Hanover Plow Handle Co. (Oak), Hanover, Pa.
Harris Mfg. Co., Johnson City, Tenn.
Piqua Handle & Mfg. Co., Piqua, O.

Handles (Automobile)

Turner Brass Works, Sycamore, Ill.

Handles (Boiler)

Arcade Mfg. Co., Freeport, Ill.
Berger Bros. Co., 237 Arch, Phila., Pa.
Griswold Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Indiana Mfg. Co., Jeffersonville, Ind.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Stover Mfg. Co., Freeport, Ill.
Troy Nickel Works (Jno. E. Gaitley, Prop.) (Also Drop Handles, etc.), Albany, N. Y.
Weller Hdw. & Foundry Co. (Or Milk Can), Horseheads, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.

Handles (Bone)

Randolph, Wm. C. (Wisk Broom, etc.), 213 Arch, Phila., Pa.
Rogers & Hubbard Co., Middletown, Conn.
Wohl, Emil Mfg. Co. (Broom, Brush, etc.), Nicetown, Phila., Pa.

Handles (Brake or Controller)

(See also Wheels, Rachet Brake)

Adams & Westlake Co., Chicago, Ill.
Baker, Jno. S. ("Beverly," Ratchet Clutch), Beverly, Mass
Brill, J. G., Co. (Brass & Malleable Iron), 62d & Woodland av, Phila., Pa.
Central Union Brass Co., St. Louis, Mo.
Columbia Machine Works & Malleable Iron Co. (Adjustable), Brooklyn, N. Y.
Dayton Mfg. Co. (Kling-Lean & Gravity), Ohio Brass Co., Mansfield, O. Dayton, O.
Sterling-Meaker Co., 420 Ogden, Newark, N.J.

Handles (Canthook & Peavey)

Evart Tool Co. (Ltd.), Evart, Mich.
Harris Mfg. Co., Johnson City, Tenn.
Piqua Handle & Mfg. Co., Piqua, O.

Handles (Chest)

Hardware & Woodenware Mfg. Co., 693 B'way, New York
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.
Wrightsville Hardware Co. (Surface), Wrightsville, Pa.

Handles (Circuit Breaker)

(See Handles, Electric Switch)

Handles (Controller Regulating)

Electric Service Supplies Co. ("Durkin Automoloneer"), Phila., Pa
Lord Electric Co. ("Cosper"), 213 W 40th, New York

Handles (Die Stock)

National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.

Handles (Door & Drawer)

(See Pulls, Drawer)

*Handles (Document)

VOELKNER & HARRY MANUFACturing Co. (Polished Brass), 125 Woodbridge, W, Detroit, Mich. (See adv. index, end of book)

Handles (Drop Forged Machine)

(See Handles, Machine)

Handles (Electric Switch)

American Enamel Co., Providence, R. I.
American Vulcanized Fibre Co., Wilmington, Del.
Auburn Button Works, Auburn, N. Y.
Bogert & Hopper, 102 William, N. Y.
Colebrook Mfg. Co., Winsted, Conn.
Dickinson Mfg. Co., Springfield, Mass.
Eby Mfg. Co., Detroit, Mich.
Ehnborn Wood Turning & Mfg. Co., 19 N Jefferson, Chicago, Ill.
Electrose Mfg. Co., 127 N 10th, Brooklyn, N. Y.
Estes, R. B. & Sons, 74 Warren, New York
Novelty Turning Co., Norway, Me.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Rauscher, Jno., 30 W 3d, St. Paul, Minn.
Scranton Button Co. (Electroid), Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stiles, H. A. & Co., Boston, Mass.
Union Hardware Co., Torrington, Conn.

Handles (File)

Baker, McMillen Co., Akron, O.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Champion Tool Co. ("Champion"), Meadville, Pa.
Indiana Small Handle Works, Fort Wayne, Ind.
NIAGARA HANDLE & FERRULE CO. ("Neversplit"), 321 Holliday, Baltimore, Md. (See adv. index, end of book)
Nicholson File Co., Providence, R. I.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Osgood, J. L. ("Osgood" Indestructible Soft Wood), Erie County Bank bldg, Buffalo, N. Y.
Piqua Handle & Mfg. Co., Piqua, O.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Shriver, O. P. & Co. (Malleable Iron, "I-X-L"), 248 Kin, Cincinnati, O.
Simonds File Co., Fitchburg, Mass.
Stearns, E. C. & Co., Syracuse, N. Y.

Handles (Hammer)

Graves, E. W. (Hickory), Des Arc, Mo.
HARRISON SUPPLY CO. (Connecticut Hickory), 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)
Piqua Handle & Mfg. Co., Piqua, O.

Handles (Hickory)

(See also Handles, Wood)

Acme Handle Co., Merchants, Laclede bldg., St. Louis, Mo.
Blackstone Hand-shaved Handle Co., Blackstone, Va.
Central Mfg. Co., Kansas City, Mo.
Consolidated Handle Co., Tullahoma, Tenn.
Eldon Handle Co., Meta, Mo.
Frankfort Handle Mfg. Co., Frankfort, Ind.
Galax Handle Works (Ltd.), Galax, Va.
Graves, E. W. (Axe, Pick, Hatchet, Sledge, etc.), Des Arc, Mo.
Hardwood Specialty Co., Memphis, Tenn.
Hartwell Bros., Chicago Heights, Ill.
Ivory Handle Co., Hope, Ark.
Kile Mfg. Co. (Hammer, Hatchet & Tool), Akron, O.
Payne, J. N. & Son, Morganton, N. C.
Pontiac Turning Co., Pontiac, Mich.
Rock River Mfg. Co., Dixon, Ill.
Rogers-Meiser Handle Co., Paragould, Ark.
Standard Handle Co., Knoxville, Tenn.
Star Ranch & Land Co., Neeleyville, Mo.
Strock, L. W. & Co., Bethlehem, Pa.
Turner, Day & Woodworth Co., Louisville, Ky.
Tuska Handle Co., Johnson City, Tenn.
Warren Handle Works (All Kinds), Warren, Ohio
Wauseon Handle & Lumber Co. (All Kinds), Wauseon, Mo.

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*Handles (Insulated)

AMERICAN VULCANIZED FIBRE CO. (Hard Fibre), Wilmington, Del. (See adv. index, end of book)

DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)

DIAMOND STATE FIBRE CO. (Hard Fibre), Elsmere, Del. (See adv. index, end of book)

WILMINGTON FIBRE SPECIALTY CO. (Hard Fibre), Wilmington, Del. (See adv. index, end of book)

Handles (Leather)

Buffalo Specialty Co. (Tool), 375 Ellicott, Buffalo, N. Y

Kelton-Bruce Mfg. Co. (Trunk, Suit & Sample Case, etc.), Salem, Mass.

Nott, W. S. Co. (Trunk, etc.), Minneapolis, Minn.

Handles (Machine)

Billings & Spencer Co., Hartford, Conn.

Cincinnati Ball Crank Co. (Steel), Cincinnati, Ohio

Keystone Drop Forge Works (Drop Forged), Chester, Pa.

New Britain Hardware Mfg. Co., New Britain, Conn.

PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of

Rochester Drop Forge Co. (Finished), Rochester, N. Y.

Transue & Williams Co., Alliance, O. book)

WHITMAN & BARNES MFG. CO., Chicago, Ill., & 111 Chambers, New York. (See adv. index & branch offices, end of book)

Williams, J. H. & Co., 150 Hamilton, Brooklyn, N. Y.

Wilcox, D. Mfg. Co., Mechanicsburg, Pa.

Handles (Microphone)

Scranton Button Co. (Corrugated Desk or Microphone), Scranton, Pa.

Handles (Rasp)

(See Handles, File)

Handles (Ratchet)

Lord, L. L. Co. ("Lord"), Meadville, Pa.

Handles (Ratchet Brake)

Adams & Westlake Co., Ontario & N Franklin, Chicago, Ill.

Beverly Engine & Machine Co., Beverly, Mass.

Brill, J. G. Co., 62d & Woodland av, Phila., Pa.

Burns, Silver & Co., Bridgeport, Conn.

Columbia Machine Works & Malleable Iron Co., 209 Chestnut, Brooklyn, N. Y.

Ohio Brass Co., Mansfield, O.

Handles (Saw)

Algood Mfg. Co. (Cross-Cut), Algood, Tenn.

Ely, T. J. Mfg. Co. (Cross Cut), Girard, Pa.

Indiana Small Handle Works, Fort Wayne, Ind.

Handles (Screw Driver)

Baker, McMillen Co., Akron, O.

Piqua Handle & Mfg. Co. (Wooden), Piqua, O.

Tuck Mfg. Co., Brockton, Mass.

Handles (Soldering Iron)

Baker, McMillen Co. (Wood), Akron, O.

Piqua Handle & Mfg. Co. (Wooden), Piqua, O.

Troy Nickel Works (Jno. E. Gaitley, Prop.) Alaska Wire), Albany, N. Y.

*Handles (Tool)

(See also Handles, Various Kinds)

PITTSBURGH GAGE & SUPPLY CO. ("Best-Of-All"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

*Handles (Tub)

STANLEY WORKS (Wrought Curved Plate), New Britain, Conn. (See adv. index & branch offices, end of book)

Handles (Valve)

Eby Mfg. Co. (Wooden), Detroit, Mich.

Gaitley, Jno. E. (Troy Nickel Works) (Alaska Wire), Albany, N. Y.

Indiana Small Handle Works (Wood), Fort Wayne, Ind.

Piqua Handle & Mfg. Co. (Wooden), Piqua, O.

*Handles (Window & Shutter)

STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

Handles (Wood)

(This is not a complete list of Handle Manufacturers; it is published for purchasing purposes. See also subdivisions of this trade)

ALABAMA.

HUNTSVILLE—Henderson, Murphree & Henderson

UNION SPRINGS—Caldwell, S. J.

ARKANSAS.

DELAPLAINE—Newell & Herwegh

FAYETTEVILLE—Charlesworth, Wm. Handle Co.

FRISCO—Russell, S.

HOPE—Ivory Handle Co. (Hickory)

JONESBORO—American Handle Co. (Hickory)

LITTLE ROCK—Little Rock Hoop Co.

RECTOR—Hickory Handle Co. (Hickory)

SUCCESS—Success Handle Co.

PARAGOULD—Paragould Handle Mfg. Co.

Rogers-Meiser Handle Co. (Axe, Cant Hook, Pick, Sledge, Hickory, etc.)

CONNECTICUT.

BRISTOL—Hart, W. L. (Tool, etc.)

Mills, Dwight E.

CLINTON—Kelsey, Horatio (Axe, Pick, Small Tools, etc.)

DEEP RIVER—Williams & Marvin Mfg. Co. (Auger, Wrench, Ice Pick, etc.)

EASTFORD—Keith, J. M. (File, Chisel, etc.)

Tatem, J. M. (Pick & Sledge)

LITCHFIELD—Bigelow Bros.

PINE MEADOW—Chapin-Stephens Co. (Plane, Saw, Chisel & File)

PUTNAM—Tatem, J. B. & Son (Chisel, Lawn Mower, Leather Capped)

SALISBURY—Salisbury Cutlery Handle Co. (Cutlery)

SEYMOUR—Swan Jas. Co. (Auger, Bit, Chisel)

TORRINGTON—Union Hardware Co.

GEORGIA.

ATLANTA—Atlanta Woodenware Co. (Axe, Broom, etc.)

BEECH HILL—Ivey, H. J. (Pick & Sledge)

ROME—Towers & Sullivan Mfg. Co. (Plane)

ILLINOIS.

CAIRO—Clark-Danforth Handle Co.

CHICAGO HEIGHTS—Hartwell Bros. (Inc.) (Hickory, Hand Made & also "Chieftain" "Axeman's Pride")

FLORA—Meyer, A. H. & Sons (Axe, etc.)

INDIANA.

ALBANY—Griffith, Geo. V. & Son

AUBURN—Vaughn, R. W. & Co.

BLUFFTON—Buck, J. M.

COLUMBUS—Columbus Handle & Tool Co.

CORUNNA—Reynolds Bros.

EVANSVILLE—Globe Handle Co.

FORT WAYNE—Indiana Small Handle Works

FRANKFORT—Frankfort Handle Mfg. Co.

INDIANAPOLIS—Atkins, E. C. & Co. (Cross Cut Saw)

Udell Works (Brush, Duster, etc.)

LOGANSPORT — Hillock & Pitman (All Kinds)

MARION—Marion Handle & Mfg. Co.

MONTPELIER—Jackson Shovel & Tool Co. (Shovel, Spade, etc.)

NEW ALBANY—Force, L. F. Handle Co.

NEWCASTLE—Jennings, S. P.

Newcastle D Handle Co.

NEW HAVEN—Schnitker, A. R. & Son

Sperry Mfg. Co.

RICHMOND—Richmond Handle Co. (Fork, Shovel, Spade, etc.)

UNION CITY—Clark, A. L.

VEEDERSBURG—Veedersburg Handle Co

VINCENNES—Indiana Handle Co.

WINCHESTER—Bolts, B. F. Mfg. Co.

IOWA.

FORT MADISON—Iowa Farming Tool Co. (Fork, Shovel, Spade, etc.)

MILTON—Milton Mfg. Co. (Axe)

OTTUMWA—Lindsey Mfg. Co.

STOCKPORT—Stockport Handle Co.

WEST POINT—Cantril Handle Mfg. Co. (Pick & Sledge)

*KANSAS.

ATCHISON—Jackson, T. E. Woodenware Co.

KENTUCKY.

HICKMAN—Tyler, R. T.

LOUISVILLE—Turner, Day & Woolworth Handle Co. (Axe, Pick, Sledge, Hammer, Hatchet & Mining Tool)

MAINE.

AUGUSTA—Harvey, H. H. Handle Co. (Hammer Pick, Sledge, etc.)

DIXFIELD—Stowell, N. S. Spool & Wood Turning Co. (Small Tools, etc.)

EAST HIRAM—Flint & Burnell (Axe)

Lombard, H. C. (Axe)

FREEDOM—Freedom Lumber Co.

FRYEBURG—Cook, A. W. (Chisel, etc.)

GARDINER—Oakland Mfg. Co. (Broom)

HIRAM—Cotton, Lemuel & Son (Axe, etc.)

LEWISTON—Lewiston Handle Co. (Shovel, Spade, etc.

NORWAY—Novelty Turning Co. (Knife, File, Small Tool, Lather & Stencil Brush, etc.)

ROXBURY—Swain & Reed

STRATTON—Stratton Mfg. Co. (Turned Wood)

MARYLAND.

BALTIMORE — **NIAGARA HANDLE** & Ferrule Co. ("Neversplit"), 321 Holliday. (See adv. index, end of book)

MASSACHUSETTS.

ASHFIELD—Thayer & Harmon (Bit Brace Heads & Handles, Wrench)

BOSTON—Ames Shovel & Tool Co., Ames bldg

Harvey, H. H. (Hammer, Pick, Sledge, etc.)

Stiles, H. A. & Co. (Tool, Valve, etc.), 176 Federal

CAMBRIDGE—Standard Turning Works

FITCHBURG—Brown, Lyman

Cushing, S. G., 29 Newton pl

Mossman, Jerome

Simonds File Co. (File)

Smith, F. J. & Co.

GREENFIELD—Rugg Mfg. Co. (Rake)

SPRUCE CORNER—Thayer, Geo. A. (All Kinds of Tool Handles, Gauge Cocks & Radiator Valve Handles)

WEST CHESTERFIELD—Healy's, S. A. Sons (Plane & Saw)

WEST MILLBURY—Glover, H. W.

MICHIGAN.

ADRIAN—Cherry, J. M.

BAGNALL—Bagnall Handle Co. (Brown)

BIRMINGHAM—Nichols, Walter (Broom, etc.)

BELLAIRE—Richardi & Becktold

BRUTUS—Hinkley, D. H.

CADILLAC—Cadillac Handle Co. (Broom, Torch, etc.)

CENTRAL LAKE—Cameron Lumber Co.

COLDWATER—Hellenberg & Son (Mallet, Rammer, etc.

DETROIT—Prince Handle Mfg. Co. (Hand Shaved & Machine Made Tools, etc.)

ESCANABA—Escanaba Mfg. Co. (Broom Mop)

EVART—Champion Tool & Handle Co.

Davy & Co.

Evart Tool Co (Tool, etc.)

FREEPORT—Cheesebrough, Job (Rake)

GALIEN—Montrose, R. W. (Hay Fork, Broom, Hoe, Rake, Shovel, Spade, Scoop, etc.

GRAND RAPIDS—American Handle Co.

LUDINGTON—Handy Things Co. (Brush, Duster, Small Tool, etc.)

LYONS—Lyons Handle Co.

MESICK—Tripp, L. J. (Broom)

NADEAU—Nadeau Bros.

NEWAYGO—Rowe, Henry Mfg. Co. (Turned)

ONAWAY — Lobdell & Churchill Mfg. Co. (Broom Handles)

OWOSSO—Wood, M. & Co.

PONTIAC—Pontiac Turning Co. (Hickory)

TOWER—Stratton, De Forest A. (Broom Handles & Turned Wood)

VANDERBILT—Olds & Hixon (Broom)

YPSILANTI—Dickerson, C. W. (Pick & Sledge)

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"NEVERSPLIT" TOOL HANDLE



¶ As the name implies this handle does not split and is practically indestructible, the FERRULE being made of PRESSED STEEL.

¶ The peculiar shape permits driving the file or other tool firmly into the handle centering itself perfectly, where it is held rigidly, doing away with the necessity of tapping the tool back into place every now and then as it cannot work loose.

¶ Owing to the length and strength of the FERRULE the workman is free from risk of accident, and saves the cost of the handle in the time required renewing the old style handles.

¶ The NEVERSPLIT tool handle will outlast a dozen or more of the ordinary handles, and this not only makes it the BEST but the CHEAPEST handle on the market.

PRICE LIST

No. 1—4½	inches long,	for	4 to 6-inch	Files,	per gross ..... $ 7.50
No. 2—4½	"	"	6 to 8-inch	"	" 8.00
No. 3—5	"	"	8 to 10-inch	"	" 8.50
No. 4—5½	"	"	10 to 14-inch	"	" 9.50
No. 5—6½	"	"	14 to 20-inch	"	" 10.50

MANUFACTURED BY

NIAGARA HANDLE & FERRULE CO.

321 N. Holliday St., BALTIMORE, MD.

USED BY

BUFFALO, N. Y.
Geo. N. Pierce Co.
American Radiator Co.
Snow Steam Pump Co.
E. R. Thomas Motor Co.
General Railway Signal Co.

ROCHESTER, N. Y.
Stromberg-Carlson Telephone Mfg. Co.

PITTTBURG, PA.
Westinghouse Electrical & Mfg. Co.

MADISON, WIS.
Northern Electrical Mfg. Co,

TRENTON, N. J.
John A. Roebling's Sons Co.

TOLEDO, OHIO
Pope Motor Car Co.

NEW YORK, N. Y.
International Steam Pump Co.

NEW BRITAIN, CONN.
American Hardware Corp.

SYRACUSE, N. Y.
Pierce, Butler & Pierce Mfg. Co.
H. H. Franklin Mfg. Co.
Smith-Premier Typewriter Co.

DEPEW, N. Y.
Gould Coupler Co.

WASHINGTON, D. C.
U. S. Navy Yard

QUINCY, MASS.
Fore River Shipbuilding Co.

PROVIDENCE, R. I.
Brown & Sharpe Mfg. Co.

SAN FRANCISCO, CAL.
Union Iron Works Co.

CLEVELAND, OHIO
Wellman-Seaver-Morgan Co.
American Steel and Wire Co.

BATH, ME.
Bath Iron Works

AND HUNDREDS OF OTHERS

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HENDRICKS

FOR BUYERS AND SELLERS OF UNITED STATES

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

COMMERCIAL

IT IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

REGISTER

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MINNESOTA.

BEMIDJI—Bemidji Handle Co.
MINNEAPOLIS—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc.), Security Bank bldg.

MISSISSIPPI.

OKOLONA—Alert Handle Co.

MISSOURI.

CAMPBELL—Campbell Handle Co.
CARUTHERSVILLE — Peattie Handle Co. (Hickory, Fork, etc.)
DES ARC—Graves, E. W. (Hickory, Axe, Pick, Sledge, Hatchet, Hammer, etc.
DEXTER—I. X. L. Handle Mfg. Co. (Pick & Sledge)
HOUGH—Brake Handle Co. (Broom, Shovel, Spade, Scoop, Fork, "D" & "D" Stem, etc.)
KANSAS CITY—Central Mfg. Co. (Hickory)
MALDEN—U. S. Cooperage & Handle Co.
MEMPHIS—North Missouri Handle Co.
Rees Bros. Mfg. Co.
NEELEYVILLE—Star Ranch & Land Co. (Hickory)
POINT PLEASANT—Davis, W. E.
POPLAR BLUFF—Hanna & Young Handle Co.
Hartsell Handle Co.
Western Handle Co.
PUXICO—Fulkerson Bros. Handle Co.
ST. LOUIS—Acme Handle Co. (Hickory, Axe, Hammer, Hatchet, Sledge, etc.), Merchants-Laclede Bldg.
Keller & Tamm Mfg. Co. (Axe, etc.), Main & Victor
Zelnicker, Walter A. Supply Co. (Hand Shaved, Hickory, Axe, Maul, etc., 408 N. 4th
WYACONDA — Morgan Mfg. Co. (Axe, Pick, Sledge, Maul, Hammer, Hatchet, etc.)

NEW HAMPSHIRE.

KEENE—Ellis, Austin A. (Brush)
Pierce, F. B. Corp. (Brush)
MANCHESTER—Piper, B. H. Co. (Axe, etc.)
MILFORD—Peirce, W. E. & Co.
NEW DURHAM — Osborne Mfg. Co. (Brush Enameled & Plain, etc.)
NORTH WEARE—Flanders Hardware Co.
WOLFEBORO FALLS—Berry, O. P. Co.

NEW JERSEY.

NEWARK—Sommer's, John Son
PATERSON — Hopper, Wm. E. (Special, to Order)

NEW YORK.

AMSTERDAM—American Broom & Brush Co. (Broom)
Amsterdam Broom Co. (Broom & Mop)
BLEEKER—Ellis & Smith (Broom)
Peter's, John M. Sons
BRASHER FALLS—Hulberg, S. W. (Broom)
BUFFALO — Osgood, J. L. ("Osgood" Indestructible File & Tool), Erie Co. B'k bldg.
Tindle & Jackson (Broom)
NEW YORK—Addoms, W. H., 127 Franklin
American Fork & Hoe Co. (Fork, Rake, Hoe, Shovel, Spade, etc.), 11 B'way
American Wood Working Co., 108 Fulton
Carpenter & Bayles (Wholesale), 91 Chambers
Chapin-Stephens Co., 126 Chambers
Delapierre, Arthur (Inc.), 19 Warren
Estes, E. B. & Sons (All Kinds of Small), 74 Warren
Ives, W. A. Mfg. Co. (Auger), 209 B'way
N. Y. Mallet & Handle Works, 743 E 11th
Standard Handle Co., 138 Roosevelt

NORTH CAROLINA.

BARNARD—French Broad Mfg. Co. Pick)
CONOVER—Hunsucker, J. (Pick)

OHIO.

AKRON—Baker-McMillan Co. (Screw Driver, File, Duster, Small Tool)
Kile Mfg. Co. (Hickory Hammer, Hatchet & Toy)
ATTICA—Winchester, D. Handle Co
BROADWAY—Goff, W. H.
BUTLER—Richland Handle Co.
CALDWELL—Burkhart, J. & Son
CANTON—Reinhart Varieties Co. (To Order)
CLEVELAND—American Fork & Hoe Co. (Fork, Rake, Hoe, Shovel, Spade, etc.)
National Handle Co. (Broom, Fork, Hoe, Rake, Spade, etc.)
COLUMBIANA—Columbiana Handle Works
COLUMBUS—Ohio Tool Co. (Chisel, File, Plane, Auger, etc.)
COLUMBUS GROVE—Jones, J. F. Sons (Sledge)
DAYTON—Dayton D Handle Co. ("D")
EATON—Hiestand & Co.
EDON—Sheline E. R. & Son
HICKSVILLE—Crook, Son, & Co.
Fish & W. A. Miller
Miller Mfg. Co.
KENTON—Young, J. W.
LIMA—Selfridge, O. B. Co.
LOUDONVILLE—Loudonville Handle Co.
MONROEVILLE—Yingling Bros. & Co.
NEW BREMEN—Buckeye Handle & Lumber Co.
Clark, Benj. & Co.
NORWALK—McCrillis Handle Co. (Pick)
PIONEER—Carr, Lewis
PIQUA—Piqua Handle & Mfg. Co. (Garden Rake, Fork, Hoe, Chisel, File, Auger, Screw Driver, etc.)
SANDUSKY—Sandusky Tool Co. (Saw, Plane, File, Chisel, Awl, Auger, Cross-Cut Saw, etc.)
SHENANDOAH—McClain, A.
SIDNEY—Benjamin, C. R. & Son
SPENCERVILLE—Reynolds, W. A. Lumber Co
WAPAKONETA—Standard Churn Co. (Hay, Rake, Hoe & Broom)
WARREN—Parsons, B. F. (Hickory)
WASHINGTON C. H.—Washington Handle Co.
Washington Mfg. Co.
WAUSEON—Wauseon Handle & Lumber Co. (Shovel, Spade, Fork, Hoe, Rake, Mop, Broom, etc.)
XENIA—Xenia Handle Co. (Shovel, etc.)

PENNSYLVANIA.

BEDFORD—McLaughlin, J. L. & Son (Axe)
BETHLEHEM—Strock, L. W. & Co.
CORRY—Mahle, C. A. & Son (Ltd.) (For Small
CORYDON—Keystone Handle Co. Tools)
ELDRED—Prouty, C. & Co. (Cross-Cut, Cant Hook, etc.)
ERIE—Erie City Mfg. Co. ("Arrow," Cross-Cut Saw, Mop)
GIRARD—Ely, Theo. J. Mfg. Co. (Cross Cut Saw, etc.)
HANOVER—Hanover Plow Handle Co.
HOWARD—Howard Handle & Spoke Co.
KANE—Holgate Bros. Co. (Brush & Artist, etc.)
KINZUA—Sheldon Handle Co.
LAKE COMO—Williams, H. A.
LEECHBURG—Pittsburg Shovel Co. (See Pittsburg)
MANOR—Beamer Handle Co. (Hickory)
Manor Handle Works
MOUNTAIN EAGLE—Leathers, Earl H.
NORRISTOWN—Brusher, J. B. (Axe)
PASSER—Hottel, Benjamin
PICTURE ROCKS—Handle & Excelsior Co.
PITTSBURG—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc.), Arrott bldg
Pittsburg Shovel Co. (Pick, Axe, Cant Hook, etc.)
QUAKERTOWN—Landis, S. H., & Bro.
TITUSVILLE—Titusville Handle Co.
TOWNVILLE—Marsh & Allen (Broom)
UNION CITY—Caflisch, Fred. (Pick & Sledge)
Clark, Haniel & Son (Shovel)
Novelty Wood Works Co. (Small Tool)
Westcott, J. D. & Son
WARREN—Peterson, Sam'l (Axe, Pick, Hammer, Sledge, Mining, etc.)

RHODE ISLAND.

PAWTUCKET—Narragansett Machine Co.

SOUTH DAKOTA.

SIOUX FALLS—Sioux Falls Plow Co.

TENNESSEE.

BAXTER—Isbell, J. A.
COOKEVILLE—Gregory, T. J., Handle Co.
DICKSON—Leathers, A. H., Handle Co.
ERIN—Gang, Conrad D. (Axe, etc.)
Goodwin, L. P. (Axe, etc.)
McCauley, C. E. & Co. (Axe, etc.)
HARRIMAN—Harriman Mfg. Co.
JOHNSON CITY—Harris Mfg. Co. (Plow)
Unaka Lumber Co. (Axe, Hammer, Hick-
KNOXVILLE—Standard Handle Co. (Ltd.) (Hickory)
LAWRENCEBURG—Wylie, A. P., Mfg. Co. etc.)
MEMPHIS—Brown, Hinman & Huntingdon Co.
Consolidated Handle Co.
Hardwood Specialty Co. (Hickory)
Hartzell Handle Co.
NASHVILLE—Nashville Spoke & Handle Co. (Axe, Chisel, Pick, Sledge, Farming Tool,
SEQUATCHIE—Sequatchie Handle Works
TULLAHOMA—Campbell, M. R.
Campbell & Dann Mfg. Co. (Inc.) (File & Chisel Handles in the White)

TEXAS.

TIMPSON—Timpson Handle Co.

VERMONT.

BELLOWS FALLS — Derby & Ball (Fork, Scythe Snaths, etc.)
BURLINGTON—Vermont Shade Roller Co. (Mop)
EAST ARLINGTON—Judson Mfg. Co., (Kitchen Knife, Brush, etc.)

VIRGINIA.

BLACKSTONE—Blackstone Handshaved Handle
COLUMBIA—Willard, T. R. Co. (Hickory)
EAST BARNETT—Roy Bros.
FARMVILLE—Farmville Mfg. Co. (Plow)
FRONT ROYAL—Stoessel, Carl, & Co.
GALAX—Galax Handle Works (Ltd.) (Hickory Axe, Pick & Sledge, etc.)
MANCHESTER—Brinser, E. C. & Sons
MARION—Look & Lincoln (Plow)
MIDDLETOWN SPRINGS—Gray, F. E.
ROUND HILL—Blue Ridge Handle Co.
TOWNSHEND—Willard, C. H.

WEST VIRGINIA.

AVOCA—Blitter, C. L. Lumber Co.
BERKELEY SPRINGS—Crossfield, W.

WISCONSIN.

CAMERON—Oak Grove Handle Co.
MILWAUKEE—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc.), Loan & Trust bldg
OSHKOSH—Oshkosh Tool Mfg. Co. (Axe, Sledge, Saw, etc.)
TWO RIVERS—Two Rivers Woodenware Co. (Pail, etc.)
WAUSAU—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc.)

Handles (Wood, Fork, Shovel & Spade)

(See also Handles, Wood)

Alexander & Perkins (Fork), Sunapee, N. H.
American Fork & Hoe Co., American Trust bdg, Cleveland, Ohio
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Brake Handle Co. Hough, Mo.
Derby & Ball (Fork), Bellows Falls, Vt.
Iowa Farming Tool Co., Ft. Madison, Iowa.
Jackson Shovel & Tool Co., Montpelier, Ind.
Lewiston Handle Co. (Shovel & Spade), Lewiston, Me.
Marion Handle & Mfg. Co., Marion, Ind.
Montross, R. W., Galien, Mich.
National Handle Co., Cleveland, Ohio.
Peattie Handle Co. (Fork), Caruthersville, Mo.
Piqua Handle & Mfg. Co., Piqua, Ohio.
Richmond Handle Co. (Shovel & Spade), Richmond, Ind.
Standard Churn Co. (Fork), Wapakoneta, Ohio.
Wauseon Handle & Mfg. Co. (Fork, Shovel, Spade, etc.), Wauseon, Ohio

Handles (Wood, Pick & Sledge)

(See also Handles, Wood)

Acme Handle Co., Merchants-Laclede bldg, St. Louis, Mo.
Berry, O. P. Co., Wolfboro Falls, N. H.
Caflisch, Fred., Union City, Pa.
Cantril Handle Mfg. Co., West Point, Iowa.
Clark, E. D. & Bro., Milford, Conn.
Dickinson, O. W., Ypsilanti, Mich.
Frankfort Handle Mfg. Co., Frankfort, Ind.
French Broad Mfg. Co. (Pick), Barnard, N. C.
Fulkerson Bros. Handle Co. (Sledge), Puxico, Mo.
Galax Handle Works, Galax, Va.
Graves, E. W. (Hickory, also Axe, Hammer, etc.), Des Arc, Mo.
Hartigan, Wm. R., Collinsville, Conn.
Hartwell Bros., Chicago Heights, Ill.
Hartwell Mfg. Co., Huntingburg, Ind.
Harvey, H. H. Handle Co., Augusta, Me.
Hunsucker, J. (Pick), Conover, N. C.
Ivey, H. J., Beech Hill, Ga.
I. X. L. Handle Co., Dexter, Mo.
Jones, J. F. Sons (Sledge), Columbus Grove, O.
Kelsey, Horatio (Pick), Clinton, Conn.
Lakeman, E. P. ((Sledge), Ashridge, Ala.
Lewiston Handle Co. (Sledge), Lewiston, Me.
McCrillis Handle Co., Norwalk, Ohio.
Nashville Spoke & Handle Co., Nashville, Tenn.
Payne, J. N. & Son (Sledge), Morganton, N. C.
Peterson, Samuel (Pick), Warren, Pa.
Prouty, C. & Co. (Sledge), Eldred, Pa.
Rogers-Meiser Handle Co., Paragould, Ark.
Sandusky Axe Handle Co., Sandusky, Ohio.
Standard Handle Co., Knoxville, Tenn.
Tatem, John M., Eastport, Conn.
Turner, Day & Woolworth Handle Co., Louisville, Ky.
Union City Handle Co., Union City, Pa.
Warren Handle Works, Warren, O.

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Hangers (Arc Lamp)

(See Insulators, Arc Lamp)

Hangers (Ball & Roller Bearing)

(See Hangers, Roller & Ball Bearing)

Hangers (Concrete)

Bergen Iron Works (Inc.), 135 51st, Brooklyn, N. Y.
Duplex Hanger Co. ("Duplex"), Cleveland, O.
Mulvey, Chas. Mfg. Co. (Block Joist), 1331 35th, Chicago, Ill
Perkins & Howland, 217 Worthington, Springfield, Mass.

Hangers (Conductor Pipe)

(See also Hangers, Eave Trough)

Iwan Bros. (Wire), South Bend, Ind.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Hangers (Conduit)

Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.
United Marine Mfg. & Supply Co., 100 William, New York

Hangers (Cycle)

Lane Bros. Co., Poughkeepsie, N. Y.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.

Hangers (Eave-Trough)

Ambro, E. A. ("The Chautauqua"), Mayville, N. Y.
American Rolling Mill Co., Middletown, O.
Baker, J. H. & Sons Co., Kendallville, Ind.
Berger Bros. Co., 237 Arch, Phila., Pa.
Berger, L. D., 59 N 2d, Phila., Pa.
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
BOSTWICK STEEL LATH CO., Niles O. (See adv. index, end of book)
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
Clark, Quien & Morse, Peoria, Ill.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. Index, end of book)
Eller Mfg. Co., Canton, O.
Excelsior Steel Furnace Co., Chicago, Ill.
FRIEDLEY-VOSHARDT CO. (Inc.) ("Bell's" Adjustable), 194 Mather, Chicago, Ill. (See adv. index, end of book)
Gray, R. H. ("Champion"), Columbia, Mo.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Horan Stay Hanger Co., Louisville, Ky.
Indianapolis Steel Roofing & Corrugating Co., Indianapolis, Ind.
Joliet Mfg. Co., Joliet, Ill.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Reeves Mfg. Co. ("Dover"), Canal Dover, O
Wheeling Corrugating Co. (Eave Trough & Conductor Pipe Fittings), Wheeling, W. Va.
Wusterbarth Bros., Meriden, Conn.

Hangers (Electric Cable)

American Twist Drill Co. ("Union"), Laconia, N. H.
ANDERSON FORGE & MACHINE CO. (Manhole Cable), 271 Guoin, Detroit, Mich. (See adv. index, end of book
Appleton Elec. Co., 224 Washington, Chicago, Ill.
Bissell, F. Co., Toledo, O.
Cameron Appliance Co. ("Locke"), Everett, Mass
Chase-Shawmut Co. ("Boston," "Marlin"), Newburyport, Mass.
Chicago Nut Co., 172 S Clinton, Chicago, Ill.
Condit Electrical Mfg. Co. ("Marlin"), 76 Battery March, Boston, Mass.
Cook, Frank B., 240 W Lake, Chicago, Ill.
Copeland, H. P. ("H-P"), 127 Franklin, New York
Diamond Expansion Bolt Co. ("Long Saut") 90 West, New York
Electric Service Supplies Co., 1020 Filbert, Phila., Pa.
Hallett Iron Works, 96 W Polk, Chicago, Ill.
Harvard Elec. Co., 60 W Van Buren, Chicago, Ill
Hubbard & Co. ("Forest City"), Pittsburg, Pa.
Lanz, M., & Sons, 101 S 29th, Pittsburg, Pa.
Mineral lac Co., Monadnock bldg., Chicago, Ill
MORSE, FRANK W. ("Morse Eureka," for Interior & Exterior Use), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
Mountain State Electrical Co. ("Hall"), Wheeling, W Va.
Nagel, W. G., Elec. Co. ("Pierce," "Swisher"), Toledo, O
National Telephone Supply Co. ("Universal") Cleveland, O
New Haven Novelty Machine Co., New Haven Conn.
Norton Tool Co. ("Little Giant"), West Park, Ohio
Oliver Iron & Steel Co., Pittsburg, Pa.
Pettingell-Andrews Co. ("O'Neill"), Boston.
Pierce Specialty Co., Elkhart, Ind. Mass
Rhode Island Telephone & Electric Co ("Wright"), Providence, R. I
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
STAR EXPANSION BOLT CO. ("Star"), 2d & Trask av, Bayonne, N. J. (See adv index & branch offices, end of book)
Vote-Berger Co., La Crosse, Wis.
Western Electric Co., 259 S Clinton, Chicago Ill., & 57 Bethune, N. Y.
Yonkers Specialty Co., Yonkers, N. Y.

Hangers (Garment)

Andrews Wire & Iron Works ("Androck"), Rockford, Ill.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Il
Beatty Stamping Co. ("The Tourist," Sectional), Cleveland, O.
Brager, B. (Combination), 102 Walker, New York
Caldwell Mfg. Co., Rochester, N. Y.
Chicago Form Co., 115 Franklin, Chicago, Ill.
Dawson, J. R. Mfg. Co., 1520 N Palethorp, Phila., Pa.
Forsyth Mfg. Co. ("Eureka" Coat & Garment), Buffalo, N. Y.
Gibbs Mfg. Co., Canton, O.
Gill, E. B. Mfg. Co. (Coat), 21 Quincy, Chicago, Ill.
Hall & Carpenter, 518 Race, Philadelphia, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass
Heinmann-Miller Mfg. Co. ("Missing Link"), 1404 Washington av, St. Louis, Mo.
Hutchins, C. K. Co., Buffalo, N. Y.
Koenig, M. F., Hazelton, Pa.
Lewald, F. & Co. ("Itsoezie"), 135 Adams, Chicago, Ill.
Melchior Bros. Furniture Co., 6 Dayton, Chicago, Ill.
National Mfg. Co., Worcester, Mass.
Norwich Nickel & Brass Co., Norwich, Conn.
Pullman Mfg. Co. (Rods & Loops), Rochester, N. Y.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
West Lafayette Mfg. Co. (Coat), West Lafayette Goods Co., Worcester, Mass. ette, O.
WRIGHT WIRE CO. (And Coat), Worcester, Mass.

Hangers (Hinge & Rail)

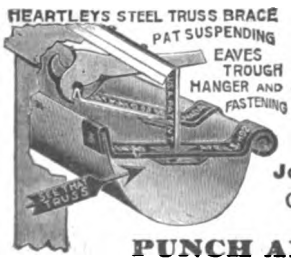
Grabler Mfg. Co. (Forged, etc.), Cleveland, O.
Myers, F. E., & Bro., Ashland, O.

Hangers (Joist)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.
Bergen Iron Works (Inc.), 135 51st, Brooklyn, N. Y.
Boonton Iron & Steel Co., Boonton, N. J.
Chicago Builders' Specialties Co., 138 Washington, Chicago, Ill.
Clark, W. J. Co. ("Lane"), Salem, O.
Columbian Hardware Co. ("Cleveland" Steel), Cleveland, O., & 168 Church, New York
Davenport Foundry & Machine Co., Davenport, Iowa
Duplex Hanger Co., Cleveland, O.
General Agency & Securities Co. ("Dousman"), Kansas City, Mo.
Goetz Box Anchor Co., New Albany, Ind.
Grabler Mfg. Co. (Forged), Cleveland, O.
Hercules Steel & Iron Co., The Arcade, Cleveland, O.
Lane Bros. Co., Poughkeepsie, N. Y.
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mulvey, Chas. Mfg. Co., 1331 35th, Chicago, Ill.
National Iron & Wire Co. (Steel), Cleveland, O.
Oliver Iron & Steel Co., Pittsburg, Pa.
TEMPLE, WM. F. CO., Reading, Pa., & 1500 Sansom, Phila., Pa. (See adv. index, end of book)
RIESECK, P. (Wrought Steel), Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)

ESTABLISHED 1876.

HEARTLEY MACHINE, VARIETY IRON AND TOOL WORKS.



GEO. W. HEARTLEY, Proprietor.

MANUFACTURER OF

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SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg. (See adv. index & branch offices, end of book)
VAN DORN IRON WORKS CO. (Steel), 2685 E 79th, Cleveland, O. (See adv. index, end of book)
Variety Mfg. Co. ("Mulvey"), Sacramento & Carroll av, Chicago, Ill.

*Hangers (Marline)

DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)

Hangers (Messenger)

Norton Tool Co. (Combination), West Park, Ohio

Hangers (Mine)

Ohio Brass Co., Mansfield, O.

Hangers (Pipe)

Ahrens & Ott Mfg. Co., Louisville, Ky.
American Hardware & Mfg. Co., Ottawa, Ill.
Avery Stamping Co. ("Neverbreak"), Cleveland, O.
Badger Brass Mfg. Co., Kenosha, Wis.
Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barrett, Jas. Mfg. Co. (Brass), 211 Franklin, Boston, Mass.
Beaton & Corbin Mfg. Co., Southington, Conn.
Belfield, H. & Co. (Multiple & Expansion), 435 N Broad, Phila., Pa.
Berger Bros. Co., 237 Arch, Phila., Pa.
Billings, D. L. Co. ("Perfect"), 780 Dudley, Boston, Mass.
Blaiser, M. E. & Co., Utica, N. Y.
Blake & Williams, 211 W 20th, New York
Buckley-Hart Mfg. Co. (Brass), 527 Franklin, Detroit, Mich.
Canton Brass Co., Canton, O.
Cann & Saul, 516 Commerce, Philadelphia, Pa.
Climax Specialty Co., Seneca Falls, N. Y.
CORNELL & UNDERHILL ("Eureka"), 45 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Cryer, T. B. & Co., 249 High, Newark, N. J.
Devlin, Thos. & Co. ("Kane," "National"), 3d & Lehigh av, Phila., Pa.
Eureka Heating & Ventilating Co. (C. W. Light, Prop.) ("Eureka"), Saginaw, Mich.
Evory Mfg. Co. ("Mack"), 102 Jonn, New York
Fee & Mason (Iron & Brass), 81 Beekman, New York
Flagg, Stanley G. & Co. (Malleable Iron), 19th and Pa. av, Phila., Pa.
General Fire Extinguisher Co., Providence, R. I.
Glenn Mfg. Co. ("Expansion Ring"), St. Charles, Ill.
Grabler Mfg. Co. ("Grabler" Universal Extension, Split Ring, U, etc.), Cleveland, O.
Hale-Dobbin Specialty Co. ("Gem"), Unity bldg., Chicago, Ill.
Griffing, A. A. Iron Co. ("Bundy," "Giant"), 449 Communipaw av, Jersey City, N. J.
Hart-Ayres Plumbing Co. ("Ideal"), 4th av & Degraw, B'klyn, N. Y.
Haydenville Mfg. Co., Haydenville, Mass.
Hayes Pump & Planter Co. ("Dack"), Galva, Ill.
Hodgdon Brass Works (Brass), 421 Atlantic av, Boston, Mass.
Hoffman-Billings Mfg. Co., Milwaukee, Wis.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa
Hughson Steam Specialty Co. ("Eclipse"), 850 S. Halstead, Chicago, Ill.
Illinois Malleable Iron Co. ("Chicago"), 515 Diversey boul, Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Kelly & Jones Co. ("Jones" Patent), 135 Water, Pittsburg, Pa.
Kriebel & Co., 826 Spring Garden, Phila., Pa.
Kupferle, Jno. C. (Expansion), 2d & Mound, St. Louis, Mo
Libbey, Parker & Co. ("Victor"), 416 Atlantic av, Boston, Mass
McCullom, George (Malleable), Muskegon, Mich.
Modern Iron Works (Expansion or Ring Hooks), Moore, Joshua, Marseilles, Ill. Quincy, Ill
Mulford Heater Co., Galva, Ill.
Mullaney's, Jas. Son (Brass), 25th & Lexington av, New York
National Mfg. Co., 830 Champlain av, Cleve
National Supply Co., Toledo, O. land, O.
National Tube Co. ("Western" Expansion), Pittsburg, Pa.
Newbury, Jay H., Goshen, N. Y.
Newbury Mfg. Co. (Adjustable Expansion, etc.), Monroe, N. Y.
Park & McKay Co., 55 Bagley, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Penna. Engineering Co. ("Hanna" Ball Joint, Malleable Iron), 1119 N. Howard, Phila, Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Pleuger & Henger Mfg. Co., 11th & Herbert, St. Louis, Mo.
Powhatan Brass & Iron Works, Charleston, W. Va
Reed Mfg. Co. ("Clark's" Adjustable), Erie, Pa.
Regester's, J. Sons Co., 49 W Holliday, Baltimore, Md.
Rutzler, E. ("Universal"), 178 Centre, New York
SIMMONS, JOHN CO. ("American," "Netherland"), 110 Centre, New York. (See adv. index, end of book)
Smith, E. L. & Co. ("Haskell"), 195 Fort Hill Sq., Boston, Mass
Sproul & McGurrin ("I. X. L."), Grand Rapids, Mich
Street & Kent Mfg. Co., 109 S Jefferson, Chicago, Ill.
United Metal Mfg. Co., 186 Wooster, New York
Victor Supply Co. ("Abbott"), Springfield, O
Walworth Mfg. Co., 132 Federal, Boston, Mass
Webb, F. W. Mfg. Co., 60 Elm, Boston, Mass
Wolverine Brass Works, Grand Rapids, Mich.
Young, Jos. H. ("Boston" Brass), 80 High, Boston, Mass.

Hangers (Post, Pressed Steel)

Standard Pressed Steel Co. ("American Pioneer"), 20th & Clearfield, Phila., Pa

Hangers (Ring Oiling)

Bond Foundry & Machine Co. ("Keystone"), Manheim, Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Dodge Mfg. Co., Mishawaka, Wis.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Salem Foundry & Machine Works, Salem, Va.
Wood's, T. B. Sons Co. ("B & S."), Chambersburg, Pa.

Hangers (Roller)

Grabler Mfg. Co. (For Wrought Iron Pipe, etc.), Cleveland, O.

Hangers (Roller & Ball Bearing)

Auburn Ball Bearing Co. (Ball), Auburn, N. Y.
Hyatt Roller Bearing Co., Harrison, N. J.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Pressed Steel Mfg. Co. (Ball), Bourse bldg, Philadelphia, Pa
Standard Roller Bearing Co. (Roller Only), 50th & Lancaster, Phila., Pa.
Valley Iron Works, Williamsport, Pa.

Hangers (Self-Oiling)

American Tool & Machine Co., 109 Beach, Boston, Mass.
BROWN, A. & F. CO., 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Wis.
Erie Clutch & Pulley Co., Erie, Pa.
Fay, J. A. & Egan Co., S. Front & John, W., Cincinnati, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Great Western Mfg. Co., Leavenworth, Kan.
Jones & McLaughlin Steel Co., Pittsburg, Pa.
Medart Patent Pulley Co., St. Louis, Mo.
Nassau Machine Works (Wrought Steel), 55 Furman, Brooklyn, N. Y.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Valley Iron Works, Williamsport, Pa.
Woonsocket, Machine & Press Co., Woonsocket, R. I.

Hangers (Shaft, Post, Bracket, Etc.)

(See Power Transmitting Machinery)

Hangers (Shaft, Pressed Steel)

PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Standard Pressed Steel Co. ("American Pioneer"), 20th & Clearfield, Phila., Pa.

Hangers (Shaft, Structural Steel)

Nassau Machine Works ("Nassau"), 23 Cranberry, Brooklyn, N. Y.

Hangers (Sliding Blind)

Kidder, Daniel & Son, North Groton, N. H.

Hangers (Step)

Keystone Drop Forge Works (For Car Steps, etc.), Chester, Pa.

Hangers (Storm Sash)

(See Sash Hangers, Storm)

Hangers (Trolley Wire)

Aurora Specialty Mfg. Co., Aurora, Ill.
Clark Electric & Mfg Co. ("Clark" Double Catenary), 137 B'way, New York
Creaghead Engineering Co. ("Creaghead" Armored Cap-Cone), Cincinnati, O.
Eureka Tempered Copper Works, North East, Pa.
Morris, Elmer P. Co., 90 West, New York
Ohio Brass Co., Mansfield, O.
Phila. Electrical & Mfg. Co. ("Pemco" Galvanized Malleable Iron Catenary), 1232 N 31st, Phila, Pa.
Post-Glover Electric Co., 314 W 4th, Cincinnati, O.
Ridlon, Frank C. ("Ridlon"), Boston, Mass.
Western Electric Co. ("Ideal"), 259 S Clinton, Chicago, Ill.
WESTINGHOUSE ELECTRIC & MFG. Co. (Single & Double Catenary Construction), Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Hangers (Window Screen)

STANLEY WORKS ("Schroeder-Peerless" Hanger & Fastener), New Britain, Conn. (See adv. index & branch offices, end of book)

Hard Oil Finish

Acme White Lead & Color Works, Detroit, Mich.
Anglo-American Varnish Co., 55 Johnson, Newark, N. J.
Allentown Mfg. Co., Allentown, Pa.
Berry Bros. (Limited), Main Office & Factory: Detroit, Mich.
Bridgeport Wood Finishing Co., New Milford, Conn.

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Brooks, Clarence & Co., 249 Chestnut, Newark, N. J.
Buckeye Paint & Varnish Co., Toledo, O.
Butcher Polish Co., 356 Atlantic av, Boston, Mass.
Chicago Varnish Co., 855 Elston av, Chicago, Ill.
Chicago Wood Finishing Co., 261 Elston av, Chicago, Ill.
Continental Varnish & Color Co., 1315 W. 8th, Kansas City, Mo.
Devoe, F. W. & C. T. Raynolds Co., 101 Fulton, New York
Felton, Sibley & Co., 136 N. 4th, Phila., Pa.
Flattoma Wood Finishing Co., Perth Amboy, N. J.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gillespie, Chas. H. & Sons, 125 Dey, Jersey City, N. J.
Glidden Varnish Co., Rockefeller bldg., Cleveland, O.
Grippin Mfg. Co., Newark, N. J.
Harrison Bros. & Co. (Inc.), 35th & Gray's Ferry rd, Philadelphia, Pa.
M'Lennan Paint Co. (Ltd.), 175-195 Rano, Buffalo, N. Y.
Macneal, Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Mitchell-Mallon Co., 1648 B'way, New York
Mitchell & Wheeler, 319 N. J. R. R. av, Newark, N. J.
Moller & Schumann, Marcy & Flushing avs, Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
Palmer-Price Co., 270 Chestnut, Newark, N. J.
Smith, Edw. & Co., 141 B'way, New York
Somerville, Wm. Sons (Wax Finish), 292 Pearl, New York
Standard Varnish Works (Gutta Percha), 29 B'way, New York
Wilhelm, A. Co., Reading, Pa.

Hard Rubber Goods

American Hard Rubber Co., 9 Mercer, New York
Davidson Rubber Co., Boston, Mass.
Canfield, H. O. Co., Bridgeport, Conn.
Davol Rubber Co., Providence, R. I.
Goodrich, B. F. Co., Akron, O.
Household Rubber Co., Youngstown, O.
Luzerne Rubber Co., Trenton, N. J.
Stokes, Jos. Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.

Hardening & Tempering Processes, Etc.

(See Compounds, Case Hardening & Tempering)

Hardies

Champion Tool Co. ("Champion"), Meadville, Pa.
Evansville Tool Works (Straight & Circular Cut), Evansville, Ind.

Hardware Bins (Movable)

Clark, W. J. Co., Salem, O.

Hardware (Builders' Rustless)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Hardware Co., North Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Corbin, P. & F., New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Yale & Towne Mfg. Co., 9 Murray, New York. Works: Stamford, Conn.

Hardware from Architects' Designs

Chicago Hardware Co., North Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Union Equipment & Bronze Co., 1901 Park av, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Hardware Mfrs.

(See also Hardware, Wholesale; also Hinge Manufacturers; also Lock Manufacturers; also Door Hangers; also Door Knob Manufacturers; also Sash Balance Manufacturers; also Nail Manufacturers; also Sash Weights; also Chains, Sash; also Cutlery Manufacturers, etc.)

CALIFORNIA.

RIVERSIDE—Miller, Albert W. Mfg. Co. (Specialties)
SAN FRANCISCO—Falls Mfg. Co. (Hardware & Specialties), 360 Fremont

CONNECTICUT.

BRIDGEPORT—Acme Shear Co. (Shears & Tinners' Snips)
American Novelty Co. (Cast & Wrought Brass)
Bridgeport Brass Co.
Bridgeport Chain Co. (Sash Chains, etc.)
Bridgeport Hardware Mfg. Corp.
Burns, Silver & Co.
Cornwall & Patterson Mfg. Co. (Piano & Organ)
Dosch Mfg. Co. (Specialties)
Hotchkiss, Edw'd S. (Light)
Hurwood Mfg. Co. (Inc.) (Specialties)
Knapp, Geo. S. (Specialties)
Smith & Egge Mfg. Co. (Pulleys, Chains, Pilers, Punches, etc.)
White Mfg. Co. (Carriage)
BRISTOL—New Departure Mfg. Co. (Bells & Gongs, etc.)
Root, Chas. J. (Butts)
Sessions, J. H. & Son
FORESTVILLE—Andrews, C. E. (Light)
GUILFORD—Spencer's, I. S. Sons
MERIDEN—Dayton, C. L. (Organ)
Foster, Merriam & Co. (Casters, Drop Handles, Furniture Trimmings, Cabinet Hardware, etc.)
International Silver Co. (Coffin Trimmings, etc.)
Parker, Chas. Co. (Window Trimmings, etc.)
Wallace, F. J. (Saddlery), 82 Britannia
MIDDLETOWN—Chapman, W. H., Co. (Saddlery)
Chapman, W. H. Co. (Saddlery)
Smith, J. O., Mfg. Co. (Stationers')
Wilcox, Crittenden & Co. (Marine, etc.)
MOUNT CARMEL—Woodruff, W. W. & Sons (Carriage & Automobile Mountings)
NEW BRITAIN—Corbin Cabinet Lock Co.
Corbin, P. & F. (Builders') (Trunk)
Humaeson & Beckley Mfg. Co. (Hardware & Pocket Cutlery)
Judd, Rollin D. (Builders & Saddlery)
Landers, Frary & Clark (Inc.), (Cutlery & Hdw. Specialties)
North & Judd Mfg. Co. (Harness Hardware, "Anchor Brand")
North & Pfeiffer Mfg. Co. (Specialties)
Russell & Erwin Mfg. Co. (Builders)
Stanley Rule & Level Co. (Carpenters' Tools)
STANLEY WORKS (Wrought Steel Butts, Brackets, etc.) (See adv. index, end of book)
Taplin Mfg. Co. (Specialties)
Union Mfg. Co. (Springs, Hinges, etc.)
NEW HAVEN—American Rivet Co. (Saddlery)
Atlas Mfg. Co. (Brackets, Wire & Sheet Metal Specialties), 125 Water
Brown, R. H. & Co. (Specialties)
Cowles, C. & Co. (Inc.), Malleable & Brass Hinges & Locks)
English & Mersick Co. (Carriage & Automobile Hardware & Specialties)
Fitch, W. & E. T. Co. (Sash Locks & Saddlery)
Henn, A. S. & Co. (Specialties)
Ives, H. B. Co. (Sash, Locks Lifts, Fasteners, etc.)
Mallory-Wheeler Co. (Padlocks)
New Haven Paragon Mfg. Co. (Specialties), 58 Brewster
North, O. B. & Co. (Saddlery)
Ochsner, A., & Sons Co. (Auto & Carriage Locks, etc.)
Perpente Mfg. Co. (Carriage)
Sargent & Co. (Locks, Builders', Cabinet, & General Hardware)
Schollborn, Wm. Co. (Pliers, etc., & Hardware Specialties)
Scranton & Co. (Specialties), 42 Church
Seward, M. & Son Co. (Wagon)
Snow & Petrelli Mfg. Co. (Specialties)
OAKVILLE—Smith, S. & Son
PLAINVILLE—Clark, A. N. & Son (Watchmakers' Tools, etc.)
Hills, Edwin (Harness, etc.)
PLANTSVILLE—Atwater Mfg. Co. (Carriage, Blakeslee Forging Co. (Carriage) etc.)
Smith, H. D. & Co. (Carriage)
SOUTHINGTON—Peck, Stow & Wilcox Co.
SOUTH NORWALK — Lockwood Mfg. Co.
Norwalk Lock Co. (Builders)
STAMFORD—Davenport & Treacey Piano Co. (Piano Plates, etc.)
Potter, C. D., Co. (Piano)
Yale & Towne Mfg. Co. (Builders')
TERRYVILLE—Eagle Lock Co. (Locks, etc.)
TORRINGTON—Progressive Mfg. Co. (Piano, "Eagle")
TURNER & SEYMOUR MFG. CO. (Upholstery & Drapery) (See adv. index, end of book)
Union Hardware Co. (Skates & Hardware)
UNIONVILLE—Mosher & Hogarty (Saddlery)
WATERBURY—American Ring Co. (Upholstery & Cabinet), 531 Bank
Blake & Johnson Co. (Piano & Organ, etc.)
Morden Mfg. Corporation (Modern Rings & Loose Leaf Devices for Ledgers, Pamphlets, etc.)
Noera Mfg. Co. (Specialties)
Novelty Mfg. Co. (Specialties)
Plume & Atwood Mfg. Co. (Brass Butts, etc.)
Scovill Mfg. Co. (Brass Butts, etc.), 99 Mill
Shoe Hardware Co. (Buckles, etc.), 72 Brown
Waterbury Brass Goods Corporation (Brass
Waterbury Foundry Co. Butt Hinges)
Waterbury Mfg. Co. (Saddlery, Brass & Nickel Trimmings)
WATERVILLE—Berbecker & Rowland Mfg. Co. (Upholstery & Cabinet)
WINSTED—Empire Knife Co. (Pocket)
Moore, Franklin Co. (Carriage)
Morgan Silver Plate Co. (Casket & Coffin)
Richards, T. C. Hdw. Co. (Brass & Iron Specialties)
Strong Mfg. Co. (Casket & Coffins)

DELAWARE.

WILMINGTON—Delaware Marine Supply Mfg. Co. (Brass & Bronze Hinges, etc.)
Delaware Shear Co. (Shears, etc.)

GEORGIA.

ATLANTA—Wood, A. A. & Sons Co.

ILLINOIS.

ARLINGTON HEIGHTS—Berbecker, Julius & Sons Co.
AURORA—Richards Mfg. Co. (Builders'),
Wilcox Mfg. Co. (Door Hangers & Kindred Specialties)
CHICAGO—Acme Steel Goods Co. (Metal Specialties), 2836 Archer av
Adjustable Clamp Co., 56 N Jefferson
Beckley-Ralston Co. (Carriage & Automobile), 80 Michigan av
Cassady-Fairbank Mfg. Co. (Specialties), 6108 La Salle
Chicago Hardware Foundry Co. (Builders, etc.), 50 W Wash'n
Chicago Spring Butt Co. (Spring Butts, etc.), 491 Carroll av
Coleman Hardware Co. (Builders'), 168 Michigan av
Duffy Mfg. Co. (Steel Tools & Hatchets), 125 Indiana
Dearborn Hardware Mfg. Co. (Builders), 1344 Carroll av
Gardner Sash Balance Co., 40 Dearborn
Harley Burglar Proof Ventilating Sash Lock Mfg. Co. 1394 Ogden av
Hiles, C. A. & Co. (Ice Tools, Specialties), 14th & Western av
Johnson, R. R. ("Johnson" Window Shade Adjuster), 161 Randolph
Kienzle & Kuhles (Saddlery), 90 Ohio
Lawson Mfg. Co. (Ball Bearing, Pivot Floor Hinges, etc.), 40 Dearborn
Nicol & Co. (Specialties), 96 N Jefferson
Orr & Lockett Hardware Co. (Builders, etc.), 71 Randolph
Payson Mfg. Co., 1819 W. Jackson boul
Pratt, Wm. E. Mfg. Co., 91 Lake
Prescott Hardware Mfg. Co. (Door Hangers), 78 Randolph
Read, A. P., Co. (Specialties), 24 W. Randolph
Russell & Erwin Mfg. Co. (Builders, etc.), 17 Lake
STANLEY WORKS (Wrought Steel Butts, Brackets, etc.), 22 Lake. (See adv. index, end of book)
Vaughan & Bushnell Mfg. Co., 877 Carroll av
Western Brass Mfg. Works (Inc.) (Builders', Cabinet, etc.), 1121 W 21st
FREEPORT—Arcade Mfg. Co.
Stover Mfg. Co. (Builders, etc.), 165 River
GALESBURG—Wenzelmann Mfg. Co. (Specialties)

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GENEVA—Burgess & Norton Mfg. Co. (Specialties)
HARVARD—Hunt, Helm, Ferris & Co. (Barn Door Hangers, Latches, etc.)
LOCKPORT—Barrows Lock Co. (Builders)
MOLINE—Cooper, H. W. (Saddlery)
MORRIS—Nickel Mfg. Co. (Specialties)
NORTH CHICAGO—Chicago Hardware Co. (Builders, etc.)
Chicago Hardware Foundry Co.
OTTAWA—American Hardware Mfg. Co. (Specialties, Door Catches, etc.)
ROCKFORD—Andrews Wire & Iron Works (Specialties)
Sovereign, C. E. Co. (Specialties)
STERLING—Lawrence Bros. (Door Hangers, Hinges, etc.)
National Mfg. Co. (Builders)
Sterling Foundry Co. (Specialties)
SYCAMORE—Turner Brass Works (Specialties)

INDIANA.

INDIANAPOLIS—Tucker & Dorsey Mfg. Co. (Specialties). State av c Bates

IOWA.

CEDAR RAPIDS—Myers, F. E., & Bro.
DES MOINES—Watrous, E. L. Mfg. Co. (Sash Hangers, Fasteners, etc.)
KEOKUK—Decker Mfg. Co. (Specialties)
Weber-Kirch Mfg. Co. (Specialties)
LYONS—Lyons Mfg. Co. (Specialties)
United States Steel Lock Co.
OTTUMWA—Johnston & Sharp Mfg. Co. (Steel Sash Pulleys, etc.)

KANSAS.

LEAVENWORTH—Hesse, W. G. & Son Mfg. Co. (Wagon)
OSKALOOSA—U. S. Bridle Bit Co.

KENTUCKY.

NEWPORT—Higgin Mfg. Co. (Carriage & Metal Screens)

MAINE.

BATH—Torrey Roller Bushing Works (Marine)
Watson, Frye & Co. (Marine)
PORTLAND—Laughlin, Thos. Co.
Marine Hardware & Equipment Co. (Marine)
S. P.
SKOWHEGAN—Williams, C. A. & Co. (Hatchets, etc.)
SOUTH UNION—Jones, S. W. (Door Hinges)

MARYLAND.

BALTIMORE—Dix Mfg. Co., 1021 Guilford av
Duer, Jno. & Sons (Cabinet, etc.), 36 S Charles
Hutton, G. H. & Co. (Carriage), 1515 Harford
Kemp, C. M. Mfg. Co. (Sash Locks, Holders, etc.), 401 E Oliver
Sinclair-Scott Co. (Specialties), Wells c Patapsco
Whiting, Wm. H. & Co. (Marine Specialties), 222 E Pratt

MASSACHUSETTS.

ATTLEBORO—Wilmarth, W. D. & Co., Corp'n (Casket)
BOSTON—Austin & Eddy (Builders), 117 Broad
Barwood, L. J. Co. (Specialties), 387 Albany
Bliss Bros. (Marine) 170 Commercial
Ferdinand, L. W. & Co. (Marine), 201 South
Hall, Wm. & Co. (Asylum & Prison Locks, etc.), 4 Dock sq
McGreece, Jas. P., & Co. (Piano), 262 Dover
Norton Door Check Co., 102 Pearl
Specialty Mfg. Co. (Carriage & Chafe Irons), 88 Tremont
Weld Mfg. Co. (Shoe Buckles), 79 Lincoln
BROCKTON—Tuck Mfg. Co. (Tools & Cutlery)
FISKDALE—Snell Mfg. Co. (Bits, Augers, etc.)
GREENFIELD—Goodell-Pratt Co. (Drills, Saw Blades, etc.)
HOLYOKE—Coburn Trolley Track Mfg. Co. (Hangers & Tracks)
NEEDHAM—Orr, Galen & Co. (Blind Trimmings, etc.)
PEABODY—Marine Hardware Co. (Yacht)
SOMERVILLE—Forg, P. (Cabinet)
SPRINGFIELD—Couch, L. J., Co. (Theatrical Specialties)
WESTFIELD—Rogers & Whitney Co. (Casket Mountings)
WINCHENDON—New England Lock & Hinge Co. (Tin Hinges, Chest Locks, etc.)
WORCESTER—Allen, Chas. (Fire Department Supplies), 84 Foster
Eagan, T. F. Hardware Co. (Specialties), Blithewood av
Hamblin & Russell Mfg. Co. (Specialties)
WORCESTER PRESSED STEEL Co. (Stamped Steel). (See adv. Index end of book)

MICHIGAN.

DETROIT—Buhl Sons Co. (Nails, Roofing, etc.), 103 Woodbridge av
Detroit Register Co. (Specialties)
Detroit Shipbuilding Co. (Marine, Brass)
P. R. Mfg. Co. (Specialties)
VOELKNER & HARBY MANUFACturing Co. (Cabinet & Furniture), 125 Woodbridge W. (See adv. Index, end of book)
GRAND RAPIDS—Grand Rapids Hdw. Co., 3 Pearl
Grand Rapids Saddlery Hdwe. Mfg. Co. (Saddlery)
Hardware Supply Co. (Door Catches & Cabinets, etc.)

MINNESOTA.

FERGUS FALLS—Fergus Iron Works Co (Sash Weights, Sinks, etc.)

MISSOURI.

ST. LOUIS—American Foundry & Mfg. Co., Hebert & 11th
Hager, C. & Sons Hinge Mfg. Co., 2427 De Kalb
Kupferle, John C. (Plumbers' Specialties), 2d c Mound
Nixdorf-Krein Mfg. Co., 900 Howard
St. Louis Trunk Hdw. Mfg. Co. (Trunk Hdw.), 609 Chouteau av
Seidel Mfg. Co. (Sash Pulleys, etc.), Chemical bldg

NEW HAMPSHIRE.

NASHUA—Nashua Saddlery Hardware Co.

NEW JERSEY.

FLEMINGTON—Mallory Mfg. Co. (Shutter Worker, etc.)
IRVINGTON—Ross, Jos., Jr., & Co. (Specialties)
NEWARK—Ahrend, Herman & Son (Trunk, etc.), 179 Van Buren
Baldwin, Joseph, & Co. (Saddlery), 254 Market
Brabson Bros. (Specialties), 47 Hamilton
Buermann, August (Bits, Spurs, Stirrups, etc.), 220 Jelliff av
Crane, W. T. Carriage Hardware Co.
Drake, Mahlen, S. & I. T. (Specialties), 15
Duranold Mfg. Co. (Specialties) Stirling
Felder, R. & Co. (Specialties)
Freeman, A. W. (Saddlery), 67 N. J. R. R.
Gilchrist Co. (Specialties) av
Gould's, M. Son & Co. (Trunk), 61 Hamilton
Greacen, Walter & Co. (Saddlery)
Grossner, Fred W. (Saddlery), 392 Bank
Havell Mfg. Co. (Trunk & Bag Trimmings)
Huebel Mfg. Co. (Specialties), 103 Monroe
Jenkinson, R. C. & Co. (Sheet Metal & Wire Goods), 289 Washington
Lukes, Wm. (Stationers' & Novelties), 857 S 19th
Myer, Benj. Co. (Builders'), 470 Broad
O'Neill & O'Neill (Specialties)
Romer & Co. (Inc.) (Lock, etc.), 275 Pas-
Searls Mfg. Co. (Carriage Mountings) sale
Smith, G. L. & Co. (Saddlery)
White, Ira F. & Son (Specialties), 144 Walnut
Whitehouse, Edward A. (Saddlery, Silver Trimmings)
Wiss, J. & Sons (Cutlery), 683 Broad
TRENTON—Skillman Hardware Mfg. Co.

NEW YORK.

ALBANY—Gomph, Henry G. & Co. (Saddlery, Tools), 55 Madison av
AUBURN—Clapp, E. D. Mfg. Co. (Carriage)
Eccles, Richard Co. (Carriage, etc.)
BINGHAMTON—Binghamton Hardware Specialty Co. (Specialties)
Crandall, Stone & Co. (Carriage & Wagon)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Brown, S. A. (Specialties), 50 Hodge av
Buffalo Specialty Co., 375 Ellicott
Clark Mfg. Co. (Builders), 260 Chandler
Forsyth Mfg. Co. (Specialties), 306 Terrace
Josef, E. E., Mfg. Co. (Specialties), 14 Perry
KEIM, JNO. R. MILLS (Inc.). (Pressed Steel Specialties). (See adv. Index, end of book)
Pratt & Letchworth Co. (Carriage)
CHAPPAQUA—Schatz Mfg. Co. (Specialties)
CORTLAND—Cortland Specialty Co. (Carriage)
Nelson & Call Co. (Carriage)
ELMIRA—Cronk & Carrier Mfg. Co. (Specialties)
FAYETTEVILLE—Crouch, Wm. N. (Specialties)
GENEVA—Geneva Cutlery Co.
HOMER—Phoenix Hardware Mfg. Co.
MANLIUS—Cheney, S. & Son (Grey Iron Specialties)

NEW YORK CITY.

Borough of Brooklyn.

BOMMER SPRING HINGES
257 to 271 Classon av. (See adv. Index, end of book)
Brass Goods Mfg. Co. (Builders, Refrigerator & Specialties), Nevin cor Union

Boroughs of Manhattan & Bronx.

NEW YORK—Bayer-Gardner-Himes Co. (Builders), 157 W 29th
Chicago Spring Butt Co., 126 Chambers
Corbin, P. & F., 106 Lafayette
Creamer, W. G. & Co. (Car), 96 John
Durkee, Chas. D., & Co. (Marine), 2 South
Eagle Lock Co., 105 Chambers
Gould's, M. Son & Co. (Trunk), 83 Reade
Guerin, P. E. (Inc.), 23 Jane
Haas, Henry & Son (Piano), 1909 Park av
HAMMACHER, SCHLEMMER & Co. (Builders, etc.), 133 4th av. (See adv. Index, end of book)
Hanson & Rhodes (Builders), 157 W 29th
Hardware & Woodenware Mfg. Co. (Builders' Specialties, Toys, etc.), 093 B'way
Jennings, C. B. & Co. (Mechanics' Tools & Specialties), 42 Murray
Judd, H. L. Co. (Upholstery, Stationary & Fancy), 87 Chambers
Keil, Francis & Son, 401 E 163d
McCABE HANGER MFG. CO. (Door Hangers, etc.), 425 W 25th. (See adv. Index, end of book)
McMillan's, W. H. Sons (Marine), 153
Metal Stamping Co. (Carriage & General), 243 West
Morton, Thos. (Firm of) (Sash Chains, etc.), 181 Lafayette
Norwalk Lock Co., 28 Warren
Parker, Chas. Co. (Blind Trimmings, etc.), 32 Warren
Peck, Stow & Wilcox Co. (Hinges, etc.), 27 Murray
Plume & Atwood Mfg. Co. (Butt Hinges, etc.), 279 B'way
Russell & Erwin Mfg. Co., 96 Lafayette
Sargent & Co., 94 Center
Smith & Egge Mfg. Co., 62 Reade
STANLEY WORKS, 79 Chambers. (See adv. Index, end of book)
Tiebout, W. & J. (Brass & Galvanized), 118 Chambers
Yale & Towne Mfg. Co. (Builders), 9 Murray

(End of New York City)

NIAGARA FALLS — NIAGARA FALLS Metal Stamping Works (Specialties). (See adv. Index, end of book)
POUGHKEEPSIE—Lane Bros. Co. (Door Hangers, etc.)
ROCHESTER—Caldwell Mfg. Co. (Sash Balances, etc.), 8 Jones
Pullman Mfg. Co. (Sash Balances, Door Checks & Springs)
Sargent & Greenleaf Co. (Locks)
SARANAC LAKE—Adirondack Hardware Co.
SYRACUSE — Central City Bolt Co. (Door Hangers), 1618 N Salina
Frazer & Jones Co. (Saddlery)
Stearns, E. C. & Co. (Door Hangers, etc.).
TROY—Covert Mfg. Co. (Saddlery) 100 Oneida
Kilbourne Mfg. Co. (Specialties), Ida Hill
Read, O. B. Mfg. Co. (Saddlery)
UTICA—Blasier, M. E. & Co. (Marine)
WATERFORD—King, J. M. & Co. (Stocks, Dies, etc.)
WATERTOWN—Wise, Jas. B. (Specialties of Pressed Work)

OHIO.

ASHLAND—Myers, F. E., & Bro. (Builders' Hardware)
CANTON—Buckeye Mfg. Co. (Specialties)
Canton Malleable Iron Co. (General Saddlery)
Elbel Co. (Saddlery, etc.)
Gibbs Mfg. Co. (Specialties)
Kohler, F. E. & Co. (Specialties)
Ney Mfg. Co. (Hangers, etc.)
Novelty Cutlery Co. (Pocket Knives, Razors, Ink Erasers, Dirk Knives, Letter Openers, Shoe Buttoners, Scalpel Lances, Folding Scissors, Souvenir Knives)

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CINCINNATI—Enterprise Brass & Plating Co. (Vehicle Mountings), 2838 Spring Grove av
Haven Malleable Castings Co. (Saddlery)
Monarch Carriage Goods Co.
National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc.)
Queen City Forging Co. (Carriage)
Schriver, O. P. & Co. (Specialties), 621 E Pearl
Schroder, J. B. & Co. (Builders, etc.), 132
Tatum, S. C. Co. (Stationers.) E 5th
CLEVELAND—Bronson-Walton Co.
Cleveland Hardware Co.
Cleveland Lock Co.
Columbian Hardware Co.
Eberhard Mfg. Co. (Carriage & Wagon), Tennyson & C P R R
Haury, J. F. Co. (Carriage), 2612 Lorain av
Independent Register & Mfg. Co. (Specialties), 1415 W. 9th, N W
Langenau Mfg. Co., Franklin, av opp Lowell
Russ, A. E., Co., 6813 Wade Park av, N E
Taylor & Boggis Foundry Co. (Builders, etc.)
Walworth Run Foundry Co. (Specialties), 2488 W 27th, S W
COLUMBUS—Hayden, P. Saddlery Hardware
Lanman, E. B. Co. (Carriage) Co.
West Mfg. Co. (Specialties)
DAYTON—Dayton Malleable Iron Co. (Carriage)
Dayton Supply Co. (Night Latches, Door & Sash Locks, etc.)
FREDERICKTOWN—Zieg, F. B. Mfg. Co. (Specialties)
FREMONT—Herbrand Co. (Carriage & Wagon)
GENEVA—Champion Saftey Lock Co. (Locks),
KENT—Miller Keyless Lock Co. etc.)
MANSFIELD—Ohio Brass Co. (Saddlery, etc.)
SHELBY—Shelby Spring Hinge Co. (Builders', Cabinet, etc.)

PENNSYLVANIA.

ALLENTOWN—Kline Hardware Co. (Specialties)
BRACKENRIDGE—Western Tool & Forge Co. (Awnings, etc.)
CHESTER—Keystone Drop Forge Works (Carriage & Wagon)
COLUMBIA—Columbia Grey Iron Co. (Builders)
ELDRED—Prouty, C., & Co. (Tools, etc.) dies), 237 Arch
ERIE—Erie Specialty Co. (Ice Picks, Cork Screws, Cork Pullers, etc.)
Griffin Mfg. Co. (Strap & T Hinges, Brackets, Door Bolts, etc.)
FREEMANSBURG—Shimer, Wm. Son & Co.
FULLERTON—Dent Hardware Co. (Refrigerator Trimmings)
GIRARD—Ely, Theo. J. Mfg. Co. (Specialties)
GLEN ROCK—Glen Rock Stamping Co. (Specialties)
LANCASTER—Safe Padlock & Hardware Co. (Shelf Hardware)
Slaymaker Lock Mfg. Co. (Builders, Car & Ship)
LEONA—Ely, E. C. Co. (Specialties)
MECHANICSBURG—Wilcox, D. Mfg. Co. (Carriage)
NORTH EAST—Fernald Mfg. Co. (Carriage)
PHILADELPHIA — Andrews Mfg. Co. (Door Knobs), 388 Harmony
Berger Bros. Co. ("Keystone" Boiler Handles), 237 Arch
Brewer Bros. (Builders'), 614 Filbert
Brohard Co. (Doorholders, etc.), 1624 N 9th
Corbin Cabinet Lock Co., 52 N 6th
Devlin, Thos. Mfg. Co. (Carriage, Saddlery Trunk Tinners, Builders, etc.), 3d & Lehigh av
Enterprise Mfg. Co. (Specialties), 3d & Dauphin
Hutton, R. W. & Co. (Specialties), 524 Walnut
Klufkee's, John Sons (Harness Mountings, etc.), 628 Race
Miller Lock Co. (Locks), 4523 Tacony, Fkd
Mousley's, Chas., Sons (Car, Brass & Bronze), 457 N 12th
Nock, Geo. W. Co. (Inc.) (Locks), 126 N 4th
North Bros. Mfg. Co. (Screw Drivers & Specialties), Lehigh av & N American
Royal Mfg. Co. (Household Specialties), 408 Commerce
Simpson, Jos. D. (Specialties), 724 Beach
Smith, J. Barton Co. (Screw Drivers, Ice Picks, etc.), Norris & Hope
PITTSBURG—McKinney Mfg. Co. (Hinges, Doorhangers & Tracks), Market & Locust, N E
Oliver Iron & Steel Co. (Wagon)
READING—Chantrell Tool Co. (Builders' Shelf)
Franklin Specialty Co. (Hardware & Household Specialties)
Penn Hardware Co. (Builders, etc.)
Rapp, N. N., 142 Orange
Reading Hardware Co. (Builders, etc.)
SHARON—Sharon Hardware Mfg. Co. (Builders")
WILLIAMSPORT — Williamsport Staple Co. (Harness Specialties)
WRIGHTSVILLE — Wrightsville Hardware Co. (Builders & Specialties)

TENNESSEE.

CHATTANOOGA—American Mfg. Co. (Light)
Southern Skein & Foundry Co. (Wagon)

VERMONT.

WINDSOR—Hubbard & McClary (Specialties, Hangers)

WEST VIRGINIA.

WHEELING—Hazel Atlas Glass Co.

WISCONSIN.

BERLIN — Peck-Hamre Mfg. Co. ("Jewell" Door Latches)
LA CROSS—Stamping & Tool Co. (Dies, Tools & Specialties)
MENASHA—Onward Mfg. Co. (Door Catches, Sash Fasteners, etc.)
MILWAUKEE—Luitink & Sons Mfg. Co. (Door Hangers), 775 18th
Myers, F. E., & Bro. (Builders' Hardware)
NORTH MILWAUKEE—Wagner, E. R. Mfg. Co. (Specialties for Children's Vehicles, etc.)
RACINE—Advance Mfg. Co. (Specialties)
American Skein & Foundry Co. (Wagon)
Racine Malleable & Wrought Iron Co. (Saddlery)
RACINE—Racine Malleable & Wrought Iron Co. (Saddlery)
SOUTH MILWAUKEE—Stowell Mfg. & Foundry Co. (Wagon Malleables, Clevises, etc.)

Hardware Mfrs. (Automobile)

(See Mountings, Automobile; also Hardware Manufacturers, Carriage)

Hardware Mfrs. (Awning)

Snow & Petrelli Mfg. Co., 441 Chapel, New Haven, Conn.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
Wilcox, Crittenden & Co., Middletown, Conn.

Hardware Mfrs. (Belt)

North & Judd Mfg. Co. (Buckles, Belts, etc.). New Britain, Conn.

Hardware Mfrs. (Cabinet)

American Ring Co., Waterbury, Conn.
Berbecker, Julius & Sons Co., Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.

BOMMER SPRING HINGES
257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Brass Goods Mfg. Co., Union c Nevins, Brooklyn, N. Y.
Burns, Silver & Co., Bridgeport, Conn.
Coleman Hardware Co., 168 Michigan av, Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Christensen, Rudolph & Co., 54 Warren, New
Duer, Jno. & Sons, Baltimore, Md. York
Foster, Merriam & Co. (Casters, Pulls, Knobs, Escutcheons, etc.), Meriden, Conn.
Guerin, P. F. (Inc.), 23 Jane, New York
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York (See adv. index, end of book)
Hardware Supply Co., Grand Rapids, Mich.
Loeffelholz Co., Milwaukee, Wis.
National Brass Mfg. Co., Cincinnati, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
Orr & Lockett Hardware Co., 71 Randolph, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
VOELKNER & HARRY MANFACTURING Co., 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)
Yale & Towne Mfg. Co., 9 Murray, New York

Hardware Mfrs. (Car)

Adams & Westlake Co., Chicago, Ill.

BOMMER SPRING HINGES
257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Creamer, W. G. & Co., 96 John, N. Y.
Dayton Mfg. Co., Dayton, Ohio
Delaware Marine Supply Mfg. Co. (Brass & Bronze), Wilmington, Del.
Mousley, Chas. & Sons (Brass & Bronze), 457 N 12th. Philadelphia, Pa.
Slaymaker Lock Mfg. Co., Lancaster, Pa.

Hardware Mfrs. (Carriage)

American Skein & Foundry Co. (Wagon), Racine, Wis.
Atwater Mfg. Co., Plantsville, Conn.
Beckley-Balston Co. (Carriage & Automobile), 80 Michigan av, Chicago, Ill.
Blakeslee Forging Co., Plantsville, Conn.
Cortland Specialty Co., Cortland, N. Y.
Clapp, E. D., Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
Cowles, C., & Co., New Haven, Conn.
Crandell, Stone & Co., Binghamton, N. Y.
Crane, W. T., Carriage Hardware Co. (Iron, Steel, Wheels, etc.), Newark, N. J.
Dayton Malleable Iron Co., Dayton, O.
Devlin, Thos., Mfg. Co., 3d & Lehigh av, Phila., Pa.
Eberhard Mfg. Co., Cleveland, O.
Eccles, Richard Co. (also Drop Forgings), Auburn, N. Y.
English & Mersick Co., New Haven, Conn.
Fernald Mfg. Co. (Quick Shifts, Anti-Rattlers, Whip Sockets, etc.), North East, Pa.
Harper, W. J. Co., 231 Mulberry, Newark, N. J.
Haury, J. F. Co., 2612 Lorain av, Cleveland, O.
Havens Malleable Castings Co., Cincinnati, O.
Herbrand Co., Fremont, O.
Hesse, W. G. & Son Mfg. Co. (Wagon), Leavenworth, Kans.
Higgin Mfg. Co., Newport, Ky.
Hutton, G. H. & Co., 1515 Harford, Baltimore, Md.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Lanman, E. B. Co. (Corner Irons, Clip Ties, Felloe Plates, etc.), Columbus, O.
Metal Stamping Co. (Carriage Trimmings & Hardware), 243 West, New York
Monarch Carriage Goods Co., Cincinnati, O.
Moore, Franklin Co., Winsted, Conn.
Nelson & Call Co., Cortland, N. Y.
Ochsner, A. & Son (Coach & Carriage Lamps). New Haven, Conn.
Oliver Iron & Steel Co. (Wagon), Pittsburg, Pa.
Perpente Mfg. Co., 3 Wall, New Haven, Conn.
Pratt & Letchworth Co., Buffalo, N. Y.
Queen City Forging Co., cor Tennyson & Dumont, Cincinnati, O.
Racine Malleable & Wrought Iron Co. (Wagon), Racine, Wis.
Schroder, J. B., & Co., 132 E 5th, Cincinnati, Ohio
Searls Mfg. Co. (and Carriage Mountings), 27 Mulberry, Newark, N. J.
Seward, Moses & Son Co. (Wagon), New Haven, Conn.
Smith, H. D. & Co., Plantsville, Conn.
Southern Skein & Foundry Co. (Wagon), Chattanooga, Tenn.
Specialty Mfg. Co. (Chafe Irons), 88 Tremont, Boston, Mass.
Stowell Mfg. & Foundry Co. (Wagon Malleables, Clevises, etc.), South Milwaukee, Wis.
White Mfg. Co., Bridgeport, Conn.
Wilcox, D. Mfg. Co., Mechanicsburg, Pa.
Woodruff, Walter W. & Sons Co. (Carriage & Automobile Mountings, etc.), Mt. Carmel, Conn.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Hardware Mfrs. (Casket)

Eldridge & Co. (Coffin Plates, etc.), Taunton, Mass.
International Silver Co. (Silver Plated), Meriden, Conn.
Morgan Silver Plate Co. (And Funeral Supplies), Winsted, Conn.
Rogers & Whitney Co., Westfield, Mass.

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Hardware (Mfrs.) for Sewing Machine Woodwork

Wise, J. B., Watertown, N. Y.

Hardware Mfrs. (Marine)

Adams & Westlake Co., Chicago, Ill.
Blasier, M. E. & Co., 9 Charlotte, Utica, N. Y.
Bliss Bros., 170 Commercial, Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Delaware Marine Supply Mfg. Co. (Brass & Bronze), Wilmington, Del.
Detroit Shipbuilding Co. ("Kirby") (Brass Department), Detroit, Mich.
Durkee, Chas. D. & Co., 2 Water, New York
Laughlin, Thos. Co., Portland, Me.
McMillan's, W. H. Sons, 153 South, New York
Marine Hdw. Co. (Yacht), Peabody, Mass.
Marine Hardware & Equipment Co., South Portland, Me.
Morss, A. S. Co. (Motor Boat Fittings, etc.), Boston, Mass.
Mousley, Chas. & Sons (Brass, Bronze, etc.), 457 N. 12th, Phila., Pa.
Norwalk Lock Co., South Norwalk, Conn.
Pullman Mfg. Co., Rochester, N. Y.
Slaymaker, S. R. (Also Ship), Lancaster, Pa.
Torrey, J. G. & Son, Rockland, Me.
Torrey Roller Bushing Works, Bath, Me.
Turner Brass Works, 60 Michigan, Chicago, Ill.
Union Hardware Co., Torrington, Conn.
Watson, Frye & Co., Bath, Me.
Whiting, Wm. H. & Co., Baltimore, Md.
Wilcox, Crittenden & Co., Middletown, Conn.
Wilkinson, A. J. & Co., 188 Washington, Boston, Mass.

Hardware Mfrs. (Piano & Organ)

Blake & Johnson Co., Waterbury, Conn.
Cornwall & Patterson Mfg. Co., Bridgeport, Conn.
Davenport & Tracey Piano Co., Stamford, Conn.
Haas, Henry & Son, 1909 Park av., New York.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Potter, C. D., Co., Stamford, Conn.
Progressive Mfg. Co. (Piano Action Hardware only), Torrington, Conn.
West Side Foundry Co., Troy, N. Y.

Hardware Mfrs. (Saddlery)

American Rivet Co., 87 Orange, New Haven, Conn.
Brabson Bros., Newark, N. J.
Buerman, August (Bits, Spurs, Stirrups, etc.), 37 N. J. R. R. av, Newark, N. J.
Canton Malleable Iron Co., Canton, O.
Chapman, W. H. Co., Middletown, Conn.
Cooper, H. W., Moline, Ill.
Covert Mfg. Co., Troy, N. Y.
Devlin, Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Dorries & Co., 173 Ellicott, Buffalo, N. Y.
Duranoid Mfg. Co. (Duranoid Specialties), Newark, N. J.
Eberhard Mfg. Co., Cleveland, O.
Elbel Co. ("Owl Brand"), Canton, O.
Fitch, W. & E. T. Co., New Haven, Conn.
Frazer & Jones Co., Syracuse, N. Y.
Freeman, A. W., Newark, N. J.
Gomph, Henry G. & Co. (Tools), 55 Madison av, Albany, N. Y
Grand Rapids Saddlery Hdw. Mfg. Co., Grand Rapids, Mich.
Greacen, Walter & Co., Newark, N. J.
Grossner, Fred W., 892 Bank, Newark, N. J.
Havens Malleable Castings Co., Cincinnati, O.
Hayden, P. Saddlery Hardware Co., Columbus, Ohio
Hills, Edwin (Harness, etc.), Plainville, Conn.
Judd, Rollin D., New Britain, Conn.
Kienzle, W. F., 90 Ohio, Chicago, Ill.
Klufkee's, Jno Sons (Harness Mountings, etc.), 628 Race, Phila., Pa.
Morley Brothers (Inc.), Saginaw, Mich.
Mosher & Hogarty, Unionville, Conn.
Nashua Saddlery Hdw. Co., Nashua, N. H.
North, O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co. ("Anchor" Brand, Saddlery, Blanket, etc.), New Britain, Conn.
Ohio Brass Co., Mansfield, O.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Read, O. B. Mfg. Co., Hall bldg, Troy, N. Y.
Smith, G. L. & Co., Newark, N. J.
Smith, John H. & Sons., 57 Terrace, Buffalo, N. Y.
U. S. Bridle Bit Co. (Bits, etc.), Oskaloosa, Kan.
Wallace, F. J., Meriden, Conn.
Whitehouse, Edw. A. (Specialty Silver Trimmings), Newark, N. J
Williamsport Staple Co. (Harness Specialties), Williamsport, Pa.
WORCESTER PRESSED STEEL CO. (Stamped), Worcester, Mass. (See adv. index, end of book)

Hardware Mfrs. (Screen Door)

National Mfg. Co., Sterling, Ill.

Hardware Mfrs. (Stationery)

Guerin, P. E. (Inc.) (Bronze), 23 Jane, New York

Hardware Mfrs. (Trunk & Bag)

Ahrend, Herman & Son, Newark, N. J.
American Can Co., 135 Adams, Chicago, Ill.
Atco Metal Mfg. Co., Atco, N. J.
Havell Mfg. Co. (Trimmings), Newark, N. J.
Jenkinson, R. C. & Co. (Sheet Metal & Wire Goods, etc.), Newark, N. J.
KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)
Milwaukee Stamping Co., West Allis, Wis.
Neumann, R., Hardware Co., Newark, N. J.
St. Louis Trunk Hardware Mfg. Co., 609 Chouteau av, St. Louis, Mo.
Sessions, J. H. & Son (Malleable Iron & Steel Trimmings, etc.), Bristol, Conn.

Hardware Mfrs. (Upholstery)

Berbecker, Julius & Sons Co., Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co. Waterville, Conn.
Kroder, Jno. & Henry Reubel Co., Meeker av, Brooklyn, N. Y.
Linton, W. H. Co., Ogdensburg, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Hardware Mfrs. (Wagon)

(See Firms in Hardware, Carriage, with the word Wagon following their names)

Hardware Trimmings (Porcelain)

(See Porcelain Specialties, Electrical, Mechanical, Etc.)

Hardware (Wholesale)

The firms under this classification are Wholesalers and firms who do Local Jobbing.

ALABAMA.

ANDALUSIA—Benson Hardware Co. (General, Builders', Tools, Cabinet, Paints & Oils, etc.)
ANNISTON—Anniston Hardware Co. (General & Saddlery)
BIRMINGHAM—Crane Co. (General, Plumbers' & Machinery)
Moore & Handley Hardware Co. (Shelf, Heavy & Carriage)
Wimberly & Thomas Hardware Co. (General, Heavy & Tools)
EUFAULA—Ross, J. L. (General)
EUTAW—Cook-Rogers Hardware Co. (General, Builders', Tools, etc.)
EVERGREEN—Wild Bros. Hardware Co.
GADSDEN — Ewing Hardware Co. (General, Saddlery, Mine, Mill & Furnace)
Smith-Echols-Burnett Hardware Co.
GREENVILLE—Johnson, J. F. Hardware Co.
HUNTSVILLE—Collins, M. A.
McAnelly, J. H. & Bro.
MOBILE—Barney-Cavanagh Hardware Co. (General, Heavy, Ship Chandlery, etc.) (Exporters)
Cunningham Hardware Co. (General & Heavy)
Price, H. M., Co. (General)
Stikes Hardware Co.
MONTGOMERY—Barnett, G. W., Hardware Co. (General)
Snow-Tullis Hardware Co. (General, Builders' & Tools)
Teague & Sons (General & Heavy)
OXFORD—Burton & Co.
ROANOKE—Griffien & Satterwhite
Roanoke Hardware Co.
SELMA—Robbins, J. H., & Sons Hardware Co.
Schuster, Benj. J. (General, Builders' & Heavy)
Selma Hardware Co.
Tissier Hardware Co. (General)
TROY—Simpson, C. A. & Co.
TUSCALOOSA—Allen & Jemison Co. (General)

ALASKA TERRITORY.

JUNEAU—Jorgensen, J. P. & Co.
Young, C. W. Co.
NOME—Darling & Dean Hardware Co.

ARIZONA TERRITORY.

NOGALES—Gebler, Theo.
Marsh, Geo. B. (Inc.)
Proto Bros.
Roy & Titcomb (Heavy, etc.)
PHOENIX—Talbot & Hubbard
Thayer, Ezra W.
PRESCOTT—Hill, Samuel, Hardware Co.
SAFFORD—Olney Hardware Co.
TUSCON—Steinfeld, Albert & Co.

ARKANSAS.

CAMDEN—Camden Hardware & Mill Supply Co.
FORT SMITH — Atkinson-Williams Hardware Co. (General & Heavy)
Speer Hardware Co. (General, Machinery, etc.)
Webber-Ayers Hardware Co. (General & Heavy)
HARRISON—Lopp, A. J. & Co.
HELENA — Arkansas & Mississippi Hardware Co. (General, etc.)
Helena Hardware Co.
Tappan Hardware Co. (General, Builders', Tools, etc.)
HOT SPRINGS — Whittington, Stearns & Co. (General, Heavy & Carriage)
LITTLE ROCK—Fones Bros. Hardware Co.
Rose-Lyon Hardware Co. (General & Heavy)
MAGNOLIA—Warnock, W. H.
PINE BLUFF—Fox Bros. Hardware Co. (General)
McGaughey Hardware Co. (General & Stoves)
TEXARKANA—Chatfield & Buhrman Hardware Co.
Hoffman Hardware Co.
Texarkana Hardware Co.

CALIFORNIA.

LOS ANGELES—Baker & Hamilton (General, Heavy & Machinery)
California Hardware Co. (General, Builders' & Tools)
Cass-Smurr-Damerel Co. (Jobbing Agents) (Stoves, Farming Tools, Hardware Specialties, etc.)
Davenport, L. M. Co. (Blacksmiths')
Ducommun Hardware Co. (General, Tools, etc.)
Harper & Reynolds Co. (General, Heavy, etc.)
Hoffman Hardware Co. (General & Heavy)
Holbrook, Merrill & Stetson (Stoves, Tinware, etc.)
Montague, W. W. & Co. (Stoves, Tinware, etc.)
Pacific Hardware & Steel Co. (All Lines in Iron & Steel)
Percival Iron Co. (Heavy Hardware & Blacksmiths' Supplies)
Union Hardware & Metal Co. (Heavy, Shelf, Oil Well, Brass, etc.)
Waterhouse & Lester Co. (Carriage & Heavy)
Wigmore, John & Sons Co. (Machine Tools,
MARYSVILLE—White, Cooley & Cutts etc.)
MODESTO—Turner Hardware & Implement Wood, W. B. & Son Co.
OAKLAND—Western Heavy Hardware & Iron Co. (Inc.)
PASADENA—Crown Hardware Co.
PETALUMA—Schinckebier Hardware Co.
REDDING—McCormack-Saeltzer Co.
SACRAMENTO—Baker & Hamilton (General & Heavy)
Miller-Chapin-Enright Co. (Stoves, Tinware, Plumbers')
Schaw, Batcher & Co. (General & Heavy)
Thomson-Diggs Co. (General)
SAN DIEGO—Ingle, Samuel G. Co.
SAN FRANCISCO—Arnold Hardware Co. (Plumbers')
Baker & Hamilton (General & Heavy)
Dunham, Carrigan & Hayden Co. (General, Heavy, Railway, Steamship, Brass Goods, etc.)
Holbrook, Merrill & Stetson (Plumbers' & Tinners', Tools, Machinery, etc.)
Montague, W. W., & Co. (Stoves, Tinware, etc.)

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Pacific Hardware & Steel Co. (All Lines in Iron & Steel)
Palace Hardware Co. (Machinists' Supplies)
Pike, A. W., & Co. (Hardware, Tools, etc.)
Sellers Bros. & Co. (Stoves, Tinware, etc.)
Tay, Geo. H. Co. (Plumbers' Supplies, Stoves, etc.)
Tayler & Spotswood Co. (Carriage, etc.)
Waterhouse & Lester Co. (Carriage, Blacksmiths' & Horseshoers', etc.)
SAN JOSE—Montague, W. W. & Co. (Stoves, Stock, Jno. Sons Tinware, etc.)
STOCKTON—Austin Bros.

COLORADO.

ASPEN—Tomkins, L. H. Hardware Co.
COLORADO SPRINGS—Lowell-Meservey Hardware Co.
DENVER — Dillon Hardware Co. (Heavy & Blacksmiths' & Wagonmakers' Supplies)
Moore Hardware & Iron Co. (General, Heavy, Carriage & Blacksmiths')
Rowntree, Jno. T. (Mfrs. Agent)
Tritch, Geo. Hardware Co. (Gen'l & Heavy)
LEADVILLE—Leadville Hardware Co.
Tomkins, H. H. Hardware Co.
NEVADA CITY—Nevada City Hdwe. Co.
OURAY—Arps Bros. Hardware Co.
PUEBLO—Holmes Hardware Co.
Killin, Jno. M. & Co.
TRINIDAD—Branson & Griswold Hardware Co.
Brown, H. B. Hardware Co.

CONNECTICUT.

BRIDGEPORT—Chapman & Bangs Co. (Heavy & Carriage)
Hawley Hardware Co. (Builders' & Mfrs.')
Hawley, T. & Co. (General, Builders' & Tools)
Hunter & Havens (General, Heavy, Carriage & Blacksmiths')
Lyon & Grumman (General, Shafting & DANBURY—Danbury Hardware Co. Tools)
Hull, F. A. & Son
DERBY—Hallock, F. Co.
HARTFORD—Blodgett & Clapp Co. (Importers) (Heavy & Carriage)
Clapp & Treat (General & Sporting)
Cone, J. H. & W. E. (Builders')
Ensworth, L. L. & Son (Heavy, Mill & Carriage)
Francis & Co. (Builders', Shafting, etc.)
Tracy, Robinson & Williams Co. (General, Tools, etc.)
MERIDEN—Church & Morse (General & Heavy)
NEW BRITAIN—Abbe, A. H. & W. E.
NEW HAVEN—Bronson & Townsend Co. (General)
Bushnell, N. T. Co. (General, Tools, etc.)
Merwick, C. S. & Co. (General, Heavy, Carriage, Tinners', Plumbers', Mill, etc.)
Weed & Co. (Saddlery)
NEW LONDON—Guest & Co. (Carriage, Blacksmiths', Heavy, etc.)
Williams, G. M. Co. (Inc.) (General & Heavy)
NORWICH—Eaton, Chase & Co. (General, Mill, Electrical, etc.)
Preston Bros. (General, Electrical, etc.)
SHELTON—Clark, D. N.
WATERBURY—Hotchkiss & Templeton (General & Heavy)
WILLIMANTIC—Jordan Hardware Co. (General & Sporting)

DELAWARE.

WILMINGTON—Capelle Hardware Co. (General & Heavy)
Delaware Hardware Co. (Builders', Coach & Heavy)

DISTRICT OF COLUMBIA.

WASHINGTON—Bowen, Wm. F. (General)
Kendall, J. Blake (Coach, Metals, etc.)
May, F. P. Hardware Co. (General, Heavy & Cordage)

FLORIDA.

APPALACHICHOLA—Ruge, Herman & Sons
BRADENTOWN—Bradentown Hardware Co.
GAINESVILLE—Baird Hardware Co. (General & Heavy)
JACKSONVILLE — Balfe-Conroy Co. (General Builders', Tools, etc.)
Florida Hardware Co. (Inc.) (General & Heavy, Pumps, etc.
Hubbard, S. B. Co. (Inc.) (General & Heavy, Boilers, Plumbers', etc.)
OCALA—Marion Hardware Co. (General, Mill & Mining)
PALATKA—Griffin, Martin & Co. (General & Kennerly, Hardware Co. Heavy)
PENSACOLA—Avery Hardware & Supply Co.
ST. AUGUSTINE—Hamblen, C. F. (General Heavy, Saddlery, etc.)
SANFORD—Fernald, Geo. H., Hardware Co. (General & Heavy)
TAMPA—Knight & Wall Co. (Inc.) (Exporters General & Heavy)
Tampa Hardware Co. (General)

GEORGIA.

AMERICUS — Sheffield-Huntington Co. (Inc.) (General, Heavy, Saddlery, Agrl. Implts. etc.)
ATHENS—Athens Hardware Co. (Inc.) (General, Heavy, Carriage, etc.)
Fleming-Dearing Hardware Co. (General)
Talmage Hardware Co.
ATLANTA—Alexander, J. M., & Co.
Anderson Hardware Co. (General)
Beck & Gregg Hardware Co. (General, Heavy & Carriage)
Dinkins-Davidson Hardware Co. (General, Heavy & Carriage)
Hightower & Graves Co. (Inc.), (General)
King Hardware Co. (General, Tinware, Kirkpatrick Hardware Co. etc.)
Stone, F. I. & Co. (Mfrs' Agents)
AUGUSTA—Ramsey-Trowbridge-Smith Co.
Tarver, J. E.
COLUMBUS—Bush-Philips Hardware Co. (General)
CORDELE—Watt & Holmes Hardware Co.
DALTON—Bishop Hardware Co. (General)
FITZGERALD—Watt & Holmes Hardware Co. (General)
GAINESVILLE—Davidson & Pruitt Hardware Co. (General)
HAWKINSVILLE—Whitfield Hardware Co.
McRAE—Folsom & Tillman
MACON — Dunlap Hardware Co. (General, Heavy, etc.)
Merritt Hardware Co. (General, Heavy, etc.)
ROME—Griffin Hardware Co. (Inc.) (General, Tinware, etc.)
Rome Hardware Co. (Inc.) (General, Tinware, etc.)
Terhune, Nixon & Co. (General)
SAVANNAH—Balfour & Calvitt
Lovell's, Edw. Sons (General, Heavy & Carriage)
Peeples, H. H. & Sons (General)
Semmes Hardware Co. (General, Cutlery, etc.)
Weed, J. D. & Co. (General, Heavy, Railway Carriage, Terne Plate, etc.)
VALDOSTA—Briggs, W. H. Hardware Co.
Thomas-Dekle Hardware Co.
WAYCROSS—Watt Hardware Co.

IDAHO.

BOISE—Carlson-Lusk Hardware Co. (General, Mining, etc.)
Northrop Hardware Co. (General, Heavy, etc.)
WALLACE—Coeur d'Alene Hardware Co. (General, Mining, etc.)

ILLINOIS.

BLOOMINGTON—Holder-Athey Hardware Co.
CAIRO—Woodward Hardware Co. (General & Heavy)
CHICAGO—Allerton, Clarke Co., 118 Lake
Besly, C. H. & Co. (Jobbers, Brass Goods, etc.), 15 Clinton
Bullard & Gormley Co. (General, Cutlery Tools, Tin Plate, sheet Iron, Metals), 78 Randolph
Chicago Housewrecking Co. (Jobbers, Mach Hdw., etc.), 35th & Iron
Hibbard, Spencer, Bartlett & Co. (General Household, Cutlery, Tin Plate, Woodenware, Paints, Oils, etc.), 1 State
Hodge & Homer Co., 58 W Madison
Jones & Langhlin Steel Co. (Heavy, Railroad Supplies, Swedish Iron, etc.), Lake c Canal
Kelley, Maus & Co. (Wagon, Carriage Blacksmiths', Iron, Steel, Woodstock, etc.) 1168 S Ashland av
McVoy, Wessling Hardware Co., 75 Lake
Orr & Lockett Hardware Co. (General Butchers' Tools & Refrigerators, Kitchen Furnishings), 71 Randolph
Rehm Hardware Co. (General), 852 Blue Island av
Ryerson, Joseph T. & Son (Heavy, Iron & Steel Sheets, Plates, Bands, Bars, Angles, Boiler Mfrs'. Supplies, etc.), 16th & Rockwell
Silverman, Emanuel (Cabinet), 90 Franklin
Stewart, A. T., Hardware Co., 105 Lake
Trout Hardware Co. (General, Cutlery, Tools, Kitchen, etc.), 47 Lake
DANVILLE—Yeomans & Shedd Hardware Co. (General & Heavy)
DECATUR — Moorehouse & Wells (General, Heavy, Stoves, etc.)
ELGIN—Barclay, D. F. Hawthorne Hardware Co.
FREEPORT—Weiss & Co.
JOLIET — Barrett Hardware Co. (General & Heavy)
MENDOTA—Holland & Co.
PEKIN—Velde, Roelfs & Co. (Shelf, Heavy, Carriage & Tools)
PEORIA—Clark, Quien & Morse (General, Tinners' Stock, etc.)
Cummings & Emerson (Heavy, Carriage, etc.)
Walker, Isaac Hardware Co. (General, Tinners', Guns, etc.)
QUINCY—Cottrell Hardware Co. (General, Cutlery, etc.)
Gunther Hardware Co.
Tenk Hardware Co. (General, Heavy, Cutlery, etc.)
ROCK ISLAND—Rock Island Hardware Co. (General & Heavy)
SPRINGFIELD—Miller, W. B. & Son
STREATOR—Powers & Williams

INDIANA.

BLUFFTON—Williamson Hardware Co.
COLUMBUS—Schwartzkopf, J. G., & Son
CRAWFORDSVILLE—Crawfordsville Hdw. Co. (General)
EVANSVILLE — Boetticher - Kellogg Co. (General, Guns, Tinware, etc.)
Clifford Hardware Co. (General)
Orr Iron Co. (Heavy, Blacksmiths', etc.)
FORT WAYNE—Fort Wayne Iron Store Co. Carriage & Wagon)
Mossman, Yarbelle & Co. (Heavy & Car-
Pfeiffer, Henry & Son (General) riage)
Schlatter, C. C. & Co. (General, Builders', Seavey Hardware Co. Mill, etc.)
FRANKFORT—Dinwiddie & Gaddis
GOSHEN—Hawks Hardware Co. (General)
HUNTINGTON—Reichenbach & Wickenhiser
INDIANAPOLIS—Builders' Supply Corporation (General, Builders', Paints, Oils, etc.)
Francke Hardware Co. (Cabinet, Builders', Tools, Upholstery Goods, etc.)
Holliday, W. J. & Co. (Heavy, Carriage, Shafting, Machine Shop Supplies, Wood-
Layman-Carey Co. (General) stock, etc.)
Lilly & Stalnaker (General)
Van Camp Hardware & Iron Co. (General, Heavy, Carriage & Wagon Stock, Tinners', Window Glass, Paints, etc.)
Vonnegut Hardware Co. (Builders', Cabinet, Heavy, Mill Supplies, etc.)
KOKOMO—Armstrong, Landon Co.
LAFAYETTE — Howe & Shipley (General, Stoves, Tinware, etc.)
LOGANSPORT—Ullery, S. W. & Son
MARION—Marion Hardware Co.
MICHIGAN CITY—Staiger Hardware Co.
MUNCIE—Kimbrough Hardware Co.
NORTH VERNON — Tripp Bros. (General & Farm Machinery)
RICHMOND—Jones Hardware Co. (General, Agricultural Implements, etc.)
Pogue, Miller & Co. (General Cutlery, etc.)
SOUTH BEND—Sibley, I. A. (General)
TERRE HAUTE—Austin Hardware Co.
Smith, C. C., Sons Co.
Townley Hardware & Stove Co. (General, Tinners' Supplies, etc.)
WASHINGTON—Carnahan, M. J. Co. (General)

IOWA.

BURLINGTON—Burlington Mfg. & Jobbing Co. (Heavy, Carriage, Plow, etc.)
Donahue, Robert Iron & Hardware Co. (Heavy, Blacksmiths', Carriage, etc.)
Drake Hardware Co. (General)
CEDAR RAPIDS—Larimer, E. K. (Heavy & Wagon Stock)
CLINTON—Armstrong, C. E. & Co. (General)
Baldwin Bros. (Heavy, Carriage, etc.)
COUNCIL BLUFFS — Empkie-Shugart-Hill Co. (General)
DAVENPORT—Hanssen's, Louis, Sons
Lamp, Peter, Iron Co. (Heavy, Wagon, Blacksmiths', etc.)
Reynolds Hardware Co.
Sickles, Preston & Nutting Co. (General)
Sieg Iron Co. (Heavy)
DES MOINES — Brown-Hurley Hardware Co. (General, Cutlery, etc.)
Des Moines Iron Co. (Heavy, Carriage, etc.)
Luther Hardware Co. (General, Cutlery, Tinware, etc.)

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DUBUQUE—Ernsdorff, John Iron Co. (Heavy, Carriage, etc.)
Tredway, A. & Sons Hardware Co. (General, Heavy, Cutlery, etc.)
FORT DODGE—Prusia Hardware Co. (General, Vincent, H. S. Heavy, Tinware, etc.)
KEOKUK—Weber, A. Co. (General, Heavy, etc.)
LAKE MILLS—Styve Bros.
MARSHALLTOWN—Abbott & Son
OSKALOOSA—Huber & Kalbach Co. (General, Heavy, etc.)
OTTUMWA—Harper & McIntire Co. (General, Stoves, Cutlery, etc.)
Haw & Simmons Co. (General, Heavy, Miners', etc.
SIOUX CITY—Knapp & Spencer Co. (General, Stoves, Ranges, Heaters, etc.)
Sioux City Iron Co. (Heavy)
WATERLOO—Cutler Hardware Co. (General, Cutlery, Tools, etc.)

KANSAS.

ATCHISON—Blish, Mize & Silliman Hardware Co. (General)
Harwi, A. J. Hardware Co. (General & Heavy)
EMPORIA—Haynes Hardware Co. (General)
FORT SCOTT—Penneman, A. C. & Son
HUTCHINSON—Colladay, Frank Hardware Co. (General, Tinware, etc.)
LEAVENWORTH—Crancer, J. W. Hardware Co. (General, Tinners', etc.)
PARSONS—Steele Hardware Co.
SALINA—Lee Hardware Co. (General & Heavy)
TOPEKA—Culver, Wm. E. (General & Tinware)
Forbes, D. H.
Thompson, W. A. L. Hardware Co. (General, Heavy, Carriage, etc.)
WICHITA—Shattuck-George Iron Co. (Heavy & Blacksmiths')

KENTUCKY.

ASHLAND—Henderson Hardware Co. (General, Mill, Mine, etc.)
CATTLETSBURG—Mims, A. Co. (General & Williamson, Ben. Hardware Co. Heavy)
HENDERSON—Blackwell, P. A. & Co. (General)
HOPKINSVILLE—Forbes Mfg. Co. (General, Tinware, etc.)
LEXINGTON—Smith, Watkins & Co.
Van Deren Hardware Co. (General & Heavy)
LOUISVILLE—Belknap Hardware & Mfg. Co. (Inc.) (General, Heavy, Carriage, Saddlery, Fire Arms, Agricultural Implements, Roofing, Rope, Belting, Household, etc.)
Floyd & Bohr Co. (General, Saddlery, Tinware, etc.)
Fulton, Conway & Co. (Wagon & Carriage Makers' Tools, Supplies & Hardware, Wire
Hidden, Otis Co. (Cabinet) Nails, etc.)
Robinson Bros. & Co. (General, Cutlery, Saddlery, Guns, Agr'l Impl'ts, Paints, etc.)
Stratton & Terstegge Co. (General, Stoves, Tinware, Tinners' Supplies, Woodenware, Roofing, etc.)
Todd-Donigan Iron Co. (Heavy, Wagon Makers' & Blacksmiths' Tools, Mine, Quarry & Railroad Supplies)
MAYSVILLE—Owens, Frank Hardware Co.
OWENSBORO—Guenther, W. A. & Sons (General, Heavy & Carriage, Railroad, Blacksmiths' & Miners' Supplies, etc.)
PADUCAH—Hank Bros. (General)
Hart, G. O. & Sons Co. (General, Heavy, Carriage, etc.)
PAINTSVILLE—Big Sandy Hdw. Co. (General)

LOUISIANA.

ALEXANDRIA — Alexandria Hardware Co. (Ltd.) (General)
BATON ROUGE—Doherty Hardware Co. (General, Cordage, etc.)
Fuqua Hardware Co. (General)
MONROE—Monroe Hardware Co. (General)
NEW ORLEANS—Baldwin, A. & Co. (General, Heavy, Stoves, Machinery, Mill Supplies, Agr'l Impl'ts, Crockery, etc.)
Pitard's, G. Sons (General, Paints, Wallpaper, etc.)
Stauffer, Eshleman & Co. (Ltd.) (General, Heavy, Stoves, Cutlery, Fire Arms, etc.
United Hardware Co. (General & Heavy)
Woodward, Wight & Co. (Ltd.) (General, Heavy, Cutlery, Mill Supplies, Ship Chandlery, etc.)
RUSTON — Ruston Hardware & Supply Co. (General & Mill Supplies)
SHREVEPORT—Lee Hardware Co. (General, Cutlery, Stoves, Glassware, etc.)
Vordenbaumen-Eastham Co. (Ltd.) (General, Heavy, Agr'l Impl'ts, Crockery, etc.)
THIBODAUX—Planters' Hardware & Mill Supply Co. (General, Heavy, Cutlery, Mill Supplies, etc.)

MAINE.

AUGUSTA—Brooks Hardware Co.
Ward, A. D.
BANGOR—Bragg, N. H. & Sons (Heavy, Carriage, etc.)
Dickey, Wm. P. & Co. (General)
Haynes & Chalmers Co. (General, Heavy, Saddlery, etc.)
Rice & Miller (General, Explosives, etc.)
BATH—Johnson Bros. (General, Heavy, Ship Chandlery)
BRUNSWICK—Eaton Hardware Co. (General)
EASTPORT—Wadsworth, S. L. & Son
HOULTON—Watson, John Co. (General, Cutlery, Agr'l Impl'ts, etc.)
LEWISTON — Hall & Knight Hardware Co. (General, Plumbers', Pipe, etc.)
PORTLAND—Bailey, Jas. Co. (Saddlery)
Corey, E. & Co. (Heavy, Wagonmakers', Blacksmiths' & Lumbermen's Supplies)
Edwards & Walker Co. (General & Heavy)
Emery-Waterhouse Co. (General & Heavy)
King & Dexter Co. (General, Cutlery, etc.)
Talbot, Brooks & Ayer (General)
ROCKLAND—Crie, H. H. & Co. (General)

MARYLAND.

BALTIMORE—Anderson & Ireland Co. (General), 123 Light
Carlin & Fulton (General, Cutlery, Paints, etc.), 309 W German
Cole, W. H. & Sons (General, Heavy, Cutlery, Explosives, Contractors' & Electrical Supplies), 40 S Charles
Duer, Jno. & Sons (Cabinet), 36 S Charles
Duke-Peterson Hardware Co. (General Heavy, Cutlery & Fire Arms), 118 W German
Edmunds & Galloway (Builders', Cutlery, Fire Arm, etc.), 121 W Pratt
Hardware Supply Co. (General, Cutlery, Guns, etc.), 119 S Paca
Hubbard & Eagleston (Builders', Stable Fixtures, Cutlery, Tools, etc.), 120 W Baltimore
Johnson & Johnson (Carriage), 130 Light
Keidel, Henry, & Co. (Shelf, Heavy, etc.), 405 W German
Neily, Joseph W. (Marine), 1731 Thames
Norris, R. W. & Sons (Carriage), 346 N Gay
Payne, E. Scott & Co. (Carriage, Builders', Horseshoers' Supplies, etc.), 362 N Gay
Stewart-Crook Hardware Co. (Builders'), 7 N Liberty
Whiting, W. H. & Co. (Marine), 222 E Pratt
Wilcox Hdw. & Iron Co. (Gen'l), 406 N Gay
CUMBERLAND—Potomac Hardware Co.
Wilson & Pugh (General, Mining & Mill Supplies)
FREDERICK—Hargett, P. L. & Co.
SALISBURY—Dorman & Smyth Hardware Co.
Gunby, L. W. & Co. (General, Machinery, etc.)

MASSACHUSETTS.

BOSTON—Allen & Lotts (Cabinet), 169 Sumner
Baldwin & Robbins Co. (General, Farming Tools, Cutlery, Paints), 124 High
Bigelow & Dowse Co. (General, Heavy, Builders', Machinists', Mine, Skates, Cutlery, Household, etc.), 229 Franklin
Burditt & Williams Co. (General & Builders', "Marty" Mouse & Rat Traps), 4 High
Butts & Ordway Co. (Heavy & Carriage), 33 Purchase
Chandler & Barber (Tools, Cutlery & Builders'), 124 Summer
Chandler & Farquhar (General, Machine Tools & Machinists' Supplies), 36 Federal
Chase, Parker & Co. (Heavy, Carriage, etc.), 83 Pearl
Cutter, W. Bowman (General), 2206 Washington, Rox
Dana Hardware Co. (General, Cutlery, Firearms, Saddlers', Cordage, etc.) (Exporters), 28 Pearl
Eldridge & Winnek (General, Tools & Woodenware), 128 Pearl
Evans, McVoy & Co. (General, Machinists' & Carpenters' Tools, Cutlery, Cabinet & Furniture), 41 Washington
Frye, Phipps & Co. (General, Woodenware, etc.), 23 Pearl
Hardware Agency Co. (Mfrs'. Agents) (Builders'), 224 Franklin
Wilkinson, A. J. & Co. (General, Tool Steel Tools, Sheet Brass, Rods & Wire), 180 Washington
FALL RIVER—Congdon, Carpenter & Co. (Heavy, Carriage & Blacksmiths)
Neill, Joseph O.
FITCHBURG—Fitchburg Hardware Co. (General & Heavy, Agr'l Tools, etc.)
Lawrence, Albert B. (General & Carriage)
HAVERHILL—Hanscom Hardware Co. (General, Blacksmiths', etc.)
Bartlett, W. T. S. (General & Agr'l Tools)
Boutwell Bros. (Heavy, Carriage & Blacksmiths')
Thompson Hardware Co. (Builders', Cutlery, Tools)
LYNN—Collins Hardware Co. (General)
Hutchinson, W. Henry (Est. of) (General)
MIDDLEBORO—Pierce, Thos. W.
NEW BEDFORD—Butler, Wm. P. (General, Tinware, Cutlery, Tools)
NORTH ADAMS—Burlingame & Darbys (General & Heavy)
PALMER—Buck & Co. (General, Saddlery, etc.)
SPRINGFIELD—Chapman & Brooks Co. (General)
Foot, Homer & Co. (General, Heavy, Carriage, etc.)
Graves, Geo. A. & Sons (General, Heavy, Builders'. Tools, etc.)
Law, J. Douglas (Builders', Cutlery, Tools, etc.)
Lewis, Charles C. Co. (Carriage & Heavy)
TAUNTON—Pierce Hardware Co.
Washburn, Frank E.
WORCESTER — Blake, Geo. F., Jr., & Co. (Heavy, Carriage, etc.)
Duncan & Goodell Co. (General, Cutlery, Tools, etc.)
Waite, H. M. (General, Builders' Tools, etc.)
Worcester Hardware Co. (Builders'. Cutlery, Tools, etc.)

MICHIGAN.

ALPENA—Potter Bros.
BAY CITY—Bay City Hardware Co.
Bialy Hardware & Supply Co.
Jennison Hardware Co. (General & Heavy)
CALUMET—Carlton Hardware Co.
CHEYBOYGAN—De Gowin, Isaiah E.
DETROIT—Buhl Sons Co. (Heavy, Shelf, Builders', Cutlery, Tin Plate, Metals, Iron & Steel, etc.), 103 Woodbridge, W
Fletcher Hardware Co. (General, Household, Cutlery, etc.), 61 Woodbridge, W
Freeman, Delamater & Co. (General, Heavy, Cutlery, Iron & Steel), 8 Woodward av
Rayl, T. B., Co. (General, House Furnishings, etc.), 112 Woodward av
Roehm & Davison (Heavy & Carriage), 93 Woodbridge av
Standart Bros. (Ltd.) (General), 155 Woodbridge
Weber, Henry C. & Co. (General, Household, etc.), 10 Gratiot
ESCANABA—Delta Hardware Co. (General & Heavy)
GRAND RAPIDS — Clark-Rutka-Weaver Co. (Shelf, Heavy, Cutlery, Tools, etc.)
Foster, Stevens & Co. (General, Heavy, Kutsche, Wm. P. Sporting Goods)
Van Bree, Arie
HOUGHTON—Swift, L. E., Co. (General & Heavy)
JACKSON — Smith-Winchester Co. (General, Heavy, Carriage, etc.)
KALAMAZOO—Edwards & Chamberlain Hardware Co. (General, Heavy & Carriage)
MANISTEE—Wolters-Baley Co. (General)
MARQUETTE—Manhard, M. B. & Son (General & Heavy)
MENOMINEE—Northern Hardware & Supply Co. (General, Heavy, Tools, etc.)
MONROE—Steiner, Wm. (General, Heavy, etc.)
PETOSKEY—Northern Hardware Co. (General)
Raynolds, Chas. A. (General)
PORT HURON—Beard, Campbell & Co. (General, Heavy, Carriage, etc.)
Boyce Hardware Co. (General, Heavy, Tinware, etc.)
SAGINAW—Buckhout Hardware Co. (General)
Morley Bros. (General, Heavy, Saddlery, Carriage, etc.)
Saginaw Hardware Co. (General, Heavy, etc.)
SAULT SAINTE MARIE—Soo Hdw. Co. (General & Heavy)

MINNESOTA.

DULUTH—Kelley-How-Thompson Co. (General, Heavy, etc.)
Marshall-Wells Hardware Co. (All Lines in Steel & Iron)
MINNEAPOLIS—Derickson, G. P. & Co. (Cabinet)
Hurty-Simmons Hardware Co. (General, Farming Tools, etc.)

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Janney, Semple, Hill & Co. (General, Cutlery, Shelf & Heavy, Plumbers', Tinware, Sheet Metal, Firearms, Cordage, Rope, etc.)
Minneapolis Iron Store Co. (Heavy, Blacksmiths', Wagonmakers' & Machinists' Tools & Supplies)
Morison, W. K., & Co. (also Retail) (Household, Fancy, Builders', etc)
Williams Hardware Co. (Heavy, Wagonmakers' & Blacksmiths' Supplies)
OWATONNA—Thompson, J. M. & Son Hardware Co. (General)
ST. PAUL—Decker, Adam, & Co. (General, Tinners' Supplies, Cutlery, etc.)
Farwell, Ozmun, Kirk & Co. (General, Tinners' Tools & Supplies, Butchers' Tools & Supplies, Builders', Household, Saddlery, etc.)
Hackett-Walther-Gates Hardware Co. (General, Builders', Tools, Tinners' Stock, Cutlery, Shelf, Wagon & Saddlery, etc.)
Nicols, Dean & Gregg (Heavy, Iron Steel, Lumbermen's Supplies, etc.)
STILLWATER—Stillwater Hardware Co.
WINONA—Cone, R. D., Co. (General)

MISSISSIPPI.

ABERDEEN — Lann & Carter Hardware Co. (General)
COLUMBUS—Columbus Hardware & Furniture Co.
GREENWOOD—Henderson & Baird (General & Heavy)
Mann Hardware Co. (General & Heavy)
JACKSON—McClelland, Thos. Hardware Co.
MERIDIAN — Melton Hardware Co. (General, Cutlery, etc.)
Meyer-Neville Hardware Co. (General, Ship Chandlery, etc.)
NATCHEZ—Baker & McDowell Hardware Co (General, Agr'l Impl'ts, Crockery, etc.)
Schwartz & Stewart (General, Agr'l Impl'ts, etc.)
VICKSBURG—Hoffman, Louis Hardware Co.
Richardson-Lee & Co. (General, Tinware, etc.)
Wright Bros. Hardware Co. (General)
YAZOO CITY — Crane-Hinman Hardware Co. (General)
Yazoo Hardware Co. (General & Heavy)

MISSOURI.

CLINTON—Hayslet Hardware Co.
DEXTER—Miller, Ulen & Carter
HANNIBAL—Kanstner, Wm. (General)
JEFFERSON CITY—Lohman, L. C.
JOPLIN—Joplin Hardware Co.
KANSAS CITY—Bunting-Stone Hardware Co. (General)
Curtin & Clark Hardware Co.
Richards & Conover Hardware Co. (Heavy, Shelf, Tin, etc.)
Townley Metal & Hardware Co. (General, Tinware, Plumbers', etc.)
Wengert-Bishop Hardware Co.
NEOSHA—Briggs-Centers Hardware Co. (General & Heavy)
SEDALIA—Knight-Marshall-Howe Hdw. Co. (General, Heavy, Carriage, etc.)
ST. JOSEPH—Burgess-Frazier Iron & Hardware Co. (Heavy, Carriage, etc.)
Curtin & Clark Hardware Co. (Cutlery & Specialties)
Robison Heavy Hardware Co. (Heavy & Carriage)
Wyeth Hardware & Mfg. Co. (General, Heavy & Saddlers')
ST. LOUIS—Geller, Ward & Hasner Hardware Co. (General, Tinware, etc.)
Norvell-Shapleigh Hardware Co. (General, Cutlery, Household, Cordage, etc.)
Rubelman-Lucas Hardware Co. (Heavy, Mfrs.' Supplies)
Schroeter Bros. Hardware Co. (General)
Simmons Hardware Co. (General, Builders', Farming Tools, Cutlery, Household, Tinners' Tools & Supplies, Metal Roofing, Paints, Oils, etc.)
Wachter, Emil, & Son Hardware Co.
Witte Hardware Co. (General, Cutlery, Household, etc.)
SPRINGFIELD — McGregor-Noe Hardware Co. (General, Builders', Cutlery, etc.)
Rogers & Baldwin Hardware Co. (Heavy, Carriage, etc.)
WEBB CITY—Franz Hardware Co. (General)

MONTANA.

ANACONDA — Anaconda Copper Mining Co
Stagg, J. P. (General, Heavy & Mining)
BILLINGS—Babcock, A. L. Hardware Co.
Billings Hardware Co. (General & Heavy)
BUTTE—Anaconda Copper Mining Co.
Davis, John E. (General)
Montana Hardware Co (General, Heavy & Mining)
GREAT FALLS—Murphy-MacClay Hardware Co. (General, Heavy, Carriage, etc.)
Northern Hardware Co.
HELENA—Helena Hardware Co. (General)
Holter, A. M. Hardware Co. (General, Heavy, Mining, etc.)

NEBRASKA.

FREMONT—Lee-Miller Hardware Co. (General)
HASTINGS—Lawson, C. K., Hardware Co.
LINCOLN—Nebraska Hardware Co. (General, Heavy, etc.)
OMAHA — Baum Iron Co. (Heavy, Carriage, Tools, etc.)
Lee-Glass-Andreesen Hardware Co. (General)
Morton, Jas. & Son Co. (General)
Wright & Wilhelmy Co. (General)
SEWARD—Goehner, J. F. & Bro. (General)

NEW HAMPSHIRE.

CONCORD—Thompson & Hoague Co. (General, Heavy, Carriage, etc.)
MANCHESTER — Manchester Hardware Co. (General & Heavy)
Varick, John B. Co. (General, Heavy, Carriage, etc.)

NEW JERSEY.

ELIZABETH—Elizabeth Hardware Co. (General)
MORRISTOWN—Phillips & Day
NEWARK—Banister & Pollard Co.
Crane Co. (Heavy, Factory & Mill Supplies)
Crane & Milligan (General, Plumbers' Supplies, etc.)
Gray, Robert, Jr. (General & Heavy)
Macknet & Doremus (General, Heavy, Plumbers', etc.)
Rising & Thorne
Roe & Conover (General, Heavy, Plumbers', Steamfitters', Tools)
PATERSON—Cleveland, J. W. (General, Butchers' & Grocers' Supplies)
Doremus & Snyder (General & Blacksmith's & Wheelwrights' Supplies)
Mills, H. W. & Co. (General & Heavy)
Myers, Geo. A. & Co. (Builders', Mill, Factory & Plumber's Supplies)
Van Winkle, J. A. Co. (General & Heavy)
TRENTON—Katzenbach, F. S., Co.

NEW MEXICO.

ALBUQUERQUE—McIntosh Hardware Co.
Whitney Co.
ROSWELL—Roswell Hardware Co.
SILVER CITY—Cosgrove, E.

NEW YORK.

ALBANY—Albany Hardware & Iron Co. (General, Heavy, etc.)
Waterman Hardware Co. (General, Tools, etc.)
Woodward Co. (Carriage, Wagon, Saddlery, etc.)
ALBION—Waterman, G. M. etc.)
AMSTERDAM—Larrabee, John E. (General & Heavy)
BATH—Peck, Geo. W. Co.
BINGHAMTON—Babcock, Hinds & Underwood (General & Heavy)
Crocker & Ogden (General, Heavy, Carriage, etc.)
Harris, Geo. M.
BUFFALO—Beals & Co. (General, Heavy, Carriagemakers', Mill & Factory Supplies), 44 Terrace
Bergman Bros. (General & Household), 102 Seneca
Buffalo Wholesale Hardware Co. (General & Heavy), 317 Washington
Enos & Sanderson Co., 41 Carroll
Hauck, Adam & Sons, 505 Main
Taylor, H. D. Co., 103 Oak
Walbridge & Co. (General & Household), 392 Main
Weed & Co. (General, Heavy, Cutlery, Tools, Railway & Shop Supplies, Silverware, etc.)
COHOCTON—Peck, Geo. W. Co.
ELLENVILLE—De Bois, L. & Co.
ELMIRA—Barker, Rose & Clinton (General & Heavy)
Booth, Irving D. (Heavy)
Griffey, G. A. & Sons (General & Heavy)
FORT PLAIN—Williams & Tanner Co. (General)
GLENS FALLS—De Long's Sons
GLOVERSVILLE—Batcheller, E. S. & Co.
Darkee, E. L. & Co.
HORNELL—Peck, Frank B. Co. (General)
ITHACA—Rumsey, C. J. & Co
Treman, King & Co. (General)
KINGSTON—Johnson, J. T. (General & Heavy)
Winne, L. S. & Co. (General, Blacksmiths', etc.)
LITTLE FALLS—Skinner & Oyston
LOCKPORT—Chadwick & Morris
MALONE — Thompson, H. D. & Co. (Heavy, Saddlery, etc.)
Wilding, C. W. Co. (General & Heavy)
MEDINA—Hanlon Bros.
NEWBURGH—Lawson Hdw. Co.
Van Cleft, Joseph, & Co.
Van Duzer, J. H. & Co. (General)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Kiley, Thos. W. & Co., 57 Grand
Ring, Chas. E., 423 Kent av

Boroughs of Manhattan & Bronx.

NEW YORK—Alder, Benj. S. Co. (Mfrs.' Agents & Exporters), 37 Warren
Baker & Hamilton (General, Agr'l Impl'ts, etc.), 257 B'way
Barron, Jas. S. & Co. (Woodenware, Skates, etc.) (Exporters), Franklin & W B'way
Baynon, O. A. Co. (Jobbers & Commission) (General & Heavy), 99 Reade
Biddle Purchasing Co. (Purchasing Agents & Commission Buyers), 78 Reade
Blumberg, W. L. & Co., 97 Chambers
Boker, Hermann & Co. (Importers of Hardware, Cutlery, etc.), 101 Duane
Braunfels, Browning & Co., 1940 Park av
Brombacher, A. F., & Co., 31 Fulton
Burger & Baumgard (Cutlery, etc.) (Jobbers & Exporters), 105 Chambers
Carpenter & Bayles (Hardware, Handles, etc.) (Domestic & Export), 91 Chambers
Carter, B. K. & Co. (Purchasing Agents & Commission Buyers), 66 Reade
Cavanagh Bros. & Co. (Woodenware & House Furnishings), 48 Duane
Curtiss, Geo. B. (Mfrs.' Agent) (Tools & Hardware Specialties), 84 Chambers
Droescher, S. R. (Importer of Razor Hones, Cutlery & Hardware Specialties)
Duryee House Furnishing Co. (Jobbers & Retailers of General Hardware), 66 Vesey
Eggers, Aug. (Exporter) (Hardware, Implements, Gas & Steam Fitters' Specialties), 97 Warren
Field, Alfred & Co. (Importers & Exporters) (Cutlery, Guns, Anvils, Chains, etc.), 93 Chambers
Fox, Wm. B. & Bro. (Importers & Exporters, Purchasing Agents & Commission Buyers), 21 Warren
Frasse, Peter A. & Co. (Importers, Jobbers, etc.) (Mechanics' Tools, etc.), 94 Fulton
Frasse & Co. (Importers, Jobbers, etc.) (Mechanics' Tools, etc.), 134 Liberty
Gifford, Jno. A. & Son (Exporters & Importers of Carriage Hardware & Supplies), 25 Park pl
Goldberg, Chas H. & E. S. (Importers & Exporters) (Woodenware, Cordage, etc.), 114 Reade
Graham, Jno. H. & Co. (Mfrs. & Mfrs.' Agents & Exporters of Hardware, Tools & Specialties), 113 Chambers
Hainin, Matthew D., 62 Reade
HAMMACHER, SCHLEMMER & Co., 131 4th av. (See adv. index, end of book)
Hardware Jobbers' Purchasing Co. (Purchasing Agents & Commission Merchants), 71 W B'way
Harmon & Dixon (Mfrs.' Agents, Hardware & Specialties), 117 Chambers
Harris, Delancey P. (Mfrs'. Agent & Commission Merchant, Domestic & Export), 48 Warren
Hendricks & Class (Mfrs'. Agents) (Heavy & Marine, Tools, Ship Chandlery, Railway & Dock Builders Supplies, etc.), 25 W B'way
Jacobus, Wm. H. (Mfrs'. Agent) (Builders & General Specialties), 155 Chambers
Jennings, C. E. Co. (Mfrs'. Agents & Exporters) (Mechanics' Tools & Specialties), 42 Murray
Kleine, Wm. E. & Co. (Wagon & Carriage Materials), 120 W B'way
Larkin, J. K. & Co. (Jobbers, Nails, etc.), 290 B'way
McCarty, J. C. & Co. (Mfrs.' Agents) (General & Blacksmiths', Machinists, & Garden Tools, etc.), 21 Murray
McCoy, Jos. F. Co. (Mfrs.' Agents, Importers & Exporters of Heavy Hardware, Cutlery, Tools, etc.), 157 Chambers
Manning, Maxwell & Moore (Railway & Machine Tools & Supplies), 85 Liberty
Markt & Co. (Importers & Jobbers) (House Furnishing Goods & Hardware Specialties), 193 West

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Masbach Hardware Co. (General, etc.), 84 Warren
Montgomery & Co. (Tools & Supplies for Machinists, Railroads, Mills, Contractors, etc.), 105 Fulton
Morrison, Richard H., 1231 3d av.
Murray, Robert (Screws, Shovels, Hoes, etc.), 104 Reade
Neal & Brinker Co. (General, etc.), 18 Warren
Neal & Scott Co., 81 Warren
Newhall, Henry B. (Mfrs.' Agent) (Heavy Hardware, Builders' & Contractors' Supplies), 9 Murray
Oliver Bros. (Syndicate Purchasing Agents) (General & Heavy, Plumbers' Supplies, etc.), 127 Duane
Patterson Bros., 27 Park Row.
PATTERSON, GOTTFRIED & HUNter (Ltd.) (Machinists', Railroad, Mill & Contractors' Tools & Supplies), 211 Centre
Patterson, Harral & Gray (Cutlery, House Furnishing, etc.), 85 Chambers
Peck & Mack Co. (Importers & Exporters & Mfrs.' Agents) (General), 356 B'way
Quinn, W. H. & Co. (Commission & Mfrs'. Agents), 103 Chambers
Shepard, Edw. G. (Mfrs.' Agent) (Builders & General), 107 Chambers
Sickles & Nutting Co. (Mfrs.' Agents & Jobbers) (General & Heavy), 85 Barclay
Simmons Hardware Co. (Buying Office for St. Louis, Mo.), 173 Duane
Smith & Hemenway Co. (Mfrs. & Importers Hdw. Specialties), 108 Duane
Striffler, Edward C. (Carriage & Wagonmakers' Supplies), 674 9th av
Surpless, Dunn & Co. (Mfrs'. Agents & Exporters) (Heavy, Tools, Handles & Specialties), 76 Murray
Tiebout, W. & J. (Mfrs. & Dealers) (Brass & Galvanized, Ship Chandlery), 118 Chambers
Topping Bros. (Importers, Exporters, Mfrs.' Agents & Commission) (Heavy & Marine), 122 Chambers
Tower & Lyon Co. (Tools, Vises, Wrenches, Skates, etc.), 95 Chambers
Underhill, Clinch & Co. (Jobbers) (Builders', Tools, Shovels, Lawn Mowers, etc.), 94 Chambers
Voigt, Starr & Co. (Cutlery, Plated Ware, Revolvers, Tools, Vises, Clamps, etc.), 84 Chambers
Vom Cleff & Co. (Importers German Hardware, Cutlery & Tools), 105 Duane
Warner & Haviland (Mfrs.' Agents) (Tools, Screws, Files, Wagon & Carriage), 49 Warren
Weiland, Charles (Cutlery, Mechanics' Tools, etc.), 149 Chambers
White, Van Glahn & Co. (General, Builders, Tools, etc.), 37 Barclay
Wiebusch & Hilger (Ltd.) (Importers & Mfrs.' Agents, Hardware Specialties, Anvils, Chains, Cutlery, etc.), 106 Lafayette
Witte, Francis T. Hardware Co. (Importers, Exporters & Mfrs.' Agents) (Hardware, Cutlery, Tools, Refrigerators, etc.), 106 Chambers
Wood, H. P. & Son (Trunk), 20 Reade

(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hardware Co.
Oliver, F. W. Co.
Watson, Jas. & Son
OGDENSBURG—Hackett, Patrick Hardware Co. (General & Iron & Steel)
ONEIDA—Eells & Mott Co. (Carriage Hdw. & Iron & Steel)
OSWEGO—Oswego Hardware Co. (General, Carriage & Heavy)
PATCHOGUE—Bailey, E. & Sons
PENN YAN—Hollowell & Wise
Peck, Geo. W. & Co
PLATTSBURGH—Marshall, Wood & Riley Co. (General & Builders)
Myers, M. P. & Co. (General)
ROCHESTER—Bennett & Mason Co. (Stoves, Furnaces & Household Specialties)
Burke, Wm. B. (Heavy)
Ernst, Louis & Sons (General, Builders, Tools, etc.)
Mathews & Boucher (General, Tools, Tinners', etc.)
Roby, Sidney B. Co. (Heavy, Iron & Steel, Coach & Bicycle Supplies)
Weaver, Palmer & Richmond (General, Shelf, Agr'l Impl'ts, etc.)
ROME—Wardwell Hdw. Co. (General, Heavy, Carriage)
SAUGERTIES—Lamb, Daniel & Son
SCHENECTADY—Witbeck, Clark (General & Heavy)
SYRACUSE—Burhans & Black Co. (General, Heavy, Fishing Tackle, etc.)
Clancy Hardware Co. (Heavy, Carriage, Blacksmiths' Paints, etc.)
Drennen Hardware Co.
Hessler, H. E. Co. (General & Household)
Syracuse Hardware & Iron Co. (General, Heavy, Household, Paints, etc.)
TROY—Bonesteel, A. E. & Co. (General)
Green's, Hannibal Son & Co. (Heavy, etc.)
(Importers Norway & Swedish Iron)
McCormick & Dunn (Heavy, Shelf, Builders', Blacksmiths' & Horseshoers' Supplies)
Manning, Jno. G. (Saddlery & Supplies)
Warren, J. M. & Co. (Heavy, Shelf, Tinners', Metals, Cordage, etc.)
UTICA—Foster, David S. Sons & Co. (General, Heavy & Carriage)
Parry, Wm. B. & Son (General, Household & Specialties)
Roberts Hardware Co. (General, Heavy, Tinware, etc.)
Wright-Dana Hdw. Co. (Gen'l, Heavy, etc.)
WATERTOWN—Conde, W. W. Hardware Co. (General, Heavy, Carriage)
WEEDSPORT—Burrett, O. W. & Bro.

NORTH CAROLINA.

ASHEVILLE—Asheville Hardware Co.
CHARLOTTE—Charlotte Hardware Co. (General & Heavy)
Southern Hardware Co. (General)
Weddington Hdw. Co. (General & Heavy)
ELIZABETH CITY—Jones, D. M. Co. (General & Heavy)
White, B. F. Hdw. Co. (General, Heavy & Carriage)
GREENSBORO—Odell Hardware Co. (General, Carriage, etc.)
HICKORY—Martin, J. A. (General)
MONROE—Heath Hardware Co. (General, etc.)
RALEIGH—Briggs, Thos. H. & Sons (General, Heavy, etc.)
Hart-Ward Hardware Co. (General & Heavy)
WADESBORO—Blalock Hardware Co. (General)
WASHINGTON—Fulford, N. S. Hardware Co. (General, Heavy, Carriage, etc.)
McKeel-Richardson Hardware Co.
WILMINGTON—Jacobi, N. Hardware Co. (General, Heavy, etc.)
Murchison, J. W. & Co. (General, Tin, etc.)
Springer, W. E. & Co. (General, Heavy, Carriage, etc.)
WINSTON SALEM—Brown, Rogers & Co. (General, Agr'l Impl'ts, etc.)
Forsyth Hardware Co.
Norfleet Hardware Co.
Wall-Huske Co.

NORTH DAKOTA.

FARGO—Hall-Robertson Hardware Co. (General, Cutlery, etc.)

OHIO.

CANTON—Canton Hardware Co. (General, Factory Supplies, Glass, Paints, etc.)
CHILLICOTHE—Spetnagel Hardware Co. (General & Heavy)
CINCINNATI—Boebinger Hardware Co. (General, Cutlery, Tools, Patternmakers' Supplies, etc.), 315 E Pearl
Carpenter, D. L. & Co. (Carriage & Wagonmakers' Hardware & Supplies), 652 Main
De Vou, V. N. Supply Co. (General, Factory, etc.), 506 Central av
Kruse Hardware Co. (General, Cutlery, etc.), 25 E Pearl
Kruse & Bahlmann Hardware Co. (General, Builders', etc.), 410 Pioneer
Kuhlmann Hardware Co. (General, Builders', Cabinet, Tools, etc.), 1320 Main
Morris, E. K. & Co. (Heavy), 317 W 2d
Pickering Hdw. Co. (General), 5th c Main
Schulte, G. B. & Sons Co. (Wagonmakers' & Blacksmiths' Hardware & Supplies), 716 Main
CLEVELAND—Bingham, W. Co. (Heavy, Shelf, Cutlery, Firearms, Mfrs'. Mining, Railway Supplies, etc.), 1433 W 9th
Cray Bros. (Carriage), 1111 W 11th, N.W
Giessen, D. E. Co. (Cabinet), 215 Prospect av, S. E.
Lake Erie Nail & Supply Co., 412 Frankfort av, N. W.
Lockwood-Taylor Hardware Co. (General, Heavy, Cutlery, Tin Plate, Tools, Saddlery etc.), 1385 W 9th
Luetkemeyer, H. W. & Sons (General, Builders', Carriage, Furniture, etc.), 425 Superior av
McIntosh Hardware Corp. (General, Heavy, Tinners', Mfrs'. & Mill Supplies, etc.), 725 Superior av
Morton-Petitt Co., 3951 St. Clair av
Worthington, Geo. Co. (Heavy, Metals, Tinners', Carriage & Saddlery, etc.), 814 St. Clair av
COLUMBUS—Columbus Hardware Co. (General)
Griswold, Sohl Co. (Carriage & Heavy)
Mithoff, H. & Co. (Heavy, Tin Plate, Tinners' Stock, Tools, etc.), 284 High
Smith Bros. Hardware Co. (General, Cutlery, Paints, etc.)
COSHOCTON—Gray Hardware Co.
Ricketts, B. W.
DAYTON—Gebhart, S. T. & G. A. Co. (General, Carriagemakers' & Blacksmiths' Supplies)
Kramer, Viot & Co. (General, Shelf & Builders')
Tischer, G. W. (General, Cutlery, Nails, etc.)
GALLIPOLIS—Kerr, J. M. & Co.
Hutchinson, W. H.
IRONTON—Goldcamp Bros. & Co.
Hutsinpillar-Sheridan Co. (General)
LANCASTER — Winter, Frank Hardware Co. (General, Heavy & Carriage)
MANSFIELD—Bare Bros.-Martin Hardware Co.
Colwell Hardware Co.
Wagner Hardware Co. (General & Heavy)
MARIETTA—Seyler Hardware Co.
NEWARK—Crane-Bliss Hardware Co.
Jones, Daniel L. & Co.
Jones, Jno. C.
PLYMOUTH—Heath Foundry & Mfg. Co.
PORTSMOUTH—Hibbs Hardware Co. (General)
SANDUSKY—Donahue Hardware Co.
SPRINGFIELD—Haucke, Geo. Co.
Lion Hardware Co.
Springfield Hardware Co. (General)
TIFFIN—Creeger, L. D.
Crobaugh & Dahm Hardware Co. (General & Carriage)
TOLEDO — Bostwick-Braun Co. (General & Heavy)
Heavy Hardware Co. (Carriage, etc.)
Schunk-Marquardt Co. (General & Paints)
Star Hardware Co. (Builders', Cabinet, Tools' Cutlery, Glass, etc.)
Stollberg Hardware Co. (General, Tools, Cutlery, Glass, Paints, etc.)
TROY—Schaible & Smith
URBANA—Cooper, Otway (General, Saddlery, etc.)
WARREN—Park Hardware Co.
Warren Hardware Co.
WASHINGTON C. H.—Ballard, C. F. (General Ford Hardware Co.
YOUNGSTOWN—Stambaugh, Thompson Co. (General, Heavy, Plumbers', etc.)
Wilkins-Leonard Hardware Co. (General, Household, Mill Supplies, etc.)
ZANESVILLE—Clossman Hardware Co.
Young Hardware Co. (General)

OKLAHOMA.

CHICKASHA—Gilkie-Jarboe Hdwe. Co.
CLINTON—Bonebrake-Lacy Hardware Co.
EL RENO—Bonebrake Hardware & Implement Co.
ENID—Gensman Bros.
GUTHRIE—Hirschl, E. L. (General & Heavy)
New York Hardware Co.
KINGFISHER—Hockaday, E. & Co.
MUSKOGEE—Turner Hardware Co. (General & Heavy)
OKLAHOMA — Oklahoma City Hardware Co. (General, Heavy, etc.)
Pettee, W. J. & Co. (General, Agr'l Impl'ts, etc.)
SHAWNEE—Wade-Branch Hardware Co.

OREGON.

PORTLAND—Dayton Hardware Co. (General, Electrical, Upholsterers', etc.)
Failing, McCalman Co. (General & Metals)
Haseltine, J. E. & Co. (Carriage, Heavy, etc.)
Hexter, May & Co. (General, Tinware, etc.)
Honeyman Hardware Co. (General, Heavy, etc.)
Marshall-Wells Hardware Co. (General, Heavy, etc.)
Robertson Hardware & Steel Co. (Blacksmiths', Wagonmakers', etc.)

PENNSYLVANIA.

ALLENTOWN—Berger, Glose Co.
Ebbecke Hardware Co.
Grammes, L. F. & Sons (Cabinet, Desk, Machinery, etc.)
Hersh, F. Hardware Co. (General, Heavy, Builders', Carriage, etc.)

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Schelly, C. Y. & Bro. (General, Builders', etc.)
Young, M. S. & Co. (General, Builders', Blacksmiths', etc.)
ALTOONA—Goodfellow's, W. H. Sons (General, Agr'l Impl"ts, etc.)
Standard Supply & Equipment Co. (Tools etc.)
ASHLAND—Buck, P. E. & Sons (General, Heavy, Carriage, etc.)
BELLEFONTE — Potter-Hoy Hardware Co. (General, Heavy, Carriage, etc.)
BRADFORD—Emery Hardware Co. (General, Heavy, etc.)
BUTLER—Campbell, J. G. & W.
CHICORA—Hays, E. F. & Sons
Hoch Bros.
CLARION—Magee, Jno. A. & Son
CONNELLSVILLE—Frisbee Hardware Co.
CORRY—Barlow Hardware Co. (General, Heavy, Blacksmiths', etc.)
DANVILLE—Welliver Hardware Co. (General, Heavy, etc.)
DUPOIS—Hibner-Hoover Hardware Co. (General, Builders', etc.)
Prothero, Bailey & Goodwin
EASTON—Miller, T. T. Hardware Co. (General, Heavy, etc.)
EMLENTON—Mitchell, H. B. & Co.
ERIE—Erie Hardware Co.
Mehl & Sapper
Schneider Hardware Co.
GREENVILLE—Packard Hardware Co. (General, Heavy, etc.)
HANOVER—Shirk, Samuel & Sons (General, Heavy, Carriage, etc.)
Tanger, J. C. Co.
HARRISBURG—Gilbert, H. & Son (General & Heavy)
Strayer, O. F. (General & Heavy)
HAZLETON—Barber, J. F. & Co. (Tin, Woodenware, Stoves, etc.)
Bright, J. C. & Co. (General, etc.)
HUNTINGDON—Miller, C. H. Hardware Co (General, Pipe, etc.)
INDIANA—Stewart, Jas. M. & Co.
JOHNSTOWN—Swank Hardware Co. (General, Builders', Carriage, etc.)
KINGSTON—Rost, A. J. (General, Heavy, Carriage, etc.)
LANCASTER—Reilly Bros. & Rauh (General)
Steinman Hardware Co. (General, Heavy, Carriage, etc.)
LEBANON—Krause, Geo. Hardware Co. (General, Heavy, etc.)
LEHIGHTON—Sendel & Rouse
LEWISBURG—Driesbach's, C. Sons (General. Saddlery, etc.)
McKEESPORT—Hartman Hardware Co.
MAHAFFEY—Wrigley Co. (Inc.)
MAHANOY CITY—Heiser, H. J. & Co.
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Cover, Peter J. & Son
Shipley Hardware Co.
MIFFLIN—Guss, E. M., & Sons
MIFFLINBURG—Snodgrass, S. W. (General, Carriage, etc.)
MIFFLINTOWN—McClintic, Kirk H.
MOUNT CARMEL—Beddall & Wardrop
MOUNT PLEASANT—Stevenson, J. A. & Co.
NEW CASTLE—Smith-Hutton-Kirk Co.
PHILADELPHIA—Allen, W. H. & G W. (General, Builders', Cutlery, etc.), 113 Market
Biddle Hardware Co. (General, Tools, Specialties, etc.) 513 Commerce
Fernley, T. Jas. (General), 505 Commerce
Field's, Chas. J. Sons, General, Cutlery, etc.) 633 Market
Ghriskey's, Chas. M. Sons (General, Mechanics' Tools & Specialties), 508 Commerce
Hessenbruch, Herman (Importers & Jobbers German Hardware), S N 5th
Matlack, E. C. & Co. (Carriage), 122 N 3d
Matlack, Kern & Co. (General), 208 Market
Newlin-Knight Hardware Co. (General, Cutlery, Railway Supplies, etc.), 337 Market
Noblit Bros. & Co. (Cabinet), 222 S 2d
Petry, N. A. (Mfrs' Agent), 422 Commerce
Rogers & Miller (General), 185 Market
Seltzer-Klahr Hardware Co. (Cutlery, Guns & Ammunition), 535 Market
Shannon, J. R. & Sons, 816 Chestnut
Shannon, J. J. & Co., 1744 Market
Shields & Bro. (General, Heavy, etc.), 521 Market
Supplee Hardware Co. (Shelf, Heavy, Cutlery, Lawn Mowers, etc.), 503 Market
Vance, Jas. M. & Co. (General, Builders', Cutlery, etc.), 211 Market
PITTSBURG—Bindley Hardware Co. (General, Heavy, Cutlery, Household, Tools, Paints, Glass, etc.), 429 7th av
Demmler Bros. Co. (Enameled ware, Household, etc.), 1st av & Ross
Lautner Hardware Co. (General, etc.), North Side
Lindsay, Jas. C. Hardware Co. (General, Cutlery, Firearms, etc.), 719 Liberty av
Logan-Gregg Hardware Co. (General, Heavy, Oil & Gas Stoves, etc.), 125 7th
Steiner & Voegtley
Wolff-Lane Hardware Co. (General), 105 Wood
Woodwell, Jos., Co. (General, Builders' & Mill Supplies), 211 Wood
POTTSTOWN — Fegely, J. & Son (General, Heavy, etc.)
POTTSVILLE—Bright & Co. (General, Mining, etc.)
Thompson, L. C. (General, Heavy, Carriage, etc.)
READING — Bard Hardware Co. (General, Heavy, Carriage, etc.)
Bright & Co. (General, etc.)
Hoff Bros. (General, Firearms, etc.)
Obold, J. H. & Co. (General)
Stitcher Hardware Co. (Ltd.) (General, Heavy, Carriage, etc.)
SALTSBURG—Moore, J. C. Hardware & Supply Co.
SCOTTDALE—Loucks Hardware Co.
SCRANTON—Bittenbender & Co. (Heavy & Carriage)
Doyle, Jas. B. & Co.
Foote & Becker (General)
Gunster Bros.
Leonard, Thos. F.
SHAMOKIN—Hack Sanner Hardware Co.
SHARON—Fruit-Ohl Co. (General, Heavy, etc.)
SOMERSET—Holderbaum, James B. & Son
Schell, P. A., & Co.
TAMAQUA—Seligman & Co. (General)
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
UNIONTOWN—Huston, Jno. L.
WARREN—Pickett Hardware Co.
WILKES-BARRE—Baab, Frank
Morgan's, C. Sons (General, Tools, etc.)
Penna Supply Co. (General, Heavy, etc.)
Phelps-Lewis-Bennett Co. (General, Heavy, White Hardware Co. etc.)
Wilkes-Barre Hardware Co. (General, Tinware, etc.)
WILLIAMSPORT—Kline & Co.
Williamsport Hardware & Stove Co.
YORK—Frey & Thomas (General)
McClellan & Gotwalt Co. (General)
Small, P. A. & S. (General, Blacksmiths', etc.)

RHODE ISLAND.

PAWTUCKET—Duffy Bros. Hardware Co.
PROVIDENCE—Barker, Chadsey & Co. (General)
Belcher & Loomis Hardware Co. (General, Manufacturing Jewelers' & Electrical Supplies, etc.)
Congdon, Welcome & Sons (General, Builders', Cordage, etc.)
Union Hardware & Electrical Supply Co. (General, Electrical, Jewelers' Supplies, Paints, etc.)
WOONSOCKET—Darling, Chas. H.

SOUTH CAROLINA.

ANDERSON—Anderson Hardware Co.
Sullivan Hardware Co. (General & Heavy)
CHARLESTON—Franke, C. D., & Co. (Carriage & Wagon)
Lazarus, M. H. Co.
Marshall, Westcoat Hardware Co. (General)
Thompson-Miller Hardware Co.
CHESTER—De Haven-Dawson Co. (Inc.)
COLUMBIA—Lorick, L. A. & Bro. (General, Heavy, etc.)
DARLINGTON—Welling & Bennett
GREENVILLE—Markley Hardware & Mfg. Co (General, Carriage, etc.)
Wilkins, Poe & Co. (General & Heavy)
Williams, Jas. T.
SPARTANSBURG—Snell, S. B.
Montgomery & Crawford (General)

SOUTH DAKOTA.

ABERDEEN—Jackson Hardware Co. (General & Heavy)
RAPID CITY—Sweeney Hardware Co. (General)

TENNESSEE.

BRISTOL — Mitchell-Powers Hardware Co. (General & Heavy)
Virginia-Tennessee Hardware Co. (General & Heavy)
CHATTANOOGA — Fritts, Tom Hardware Co. (General, Plumbers', etc.)
Green, W. T. (General, Cutlery, etc.)
Magill Hardware Co. (General & Heavy)
Vance, John C. (General)
Woodworth, F. H. & Co. (General)
CLARKSVILLE—Elder-Conroy Hardware Co.
CLINTON—Clinton Hardware Co.
JACKSON—Anderson, G. C., & Co. (General)
McGee-Ross Hardware Co.
JOHNSON CITY — Summers-Parrott Hardware Co. (General)
KNOXVILLE—Luttrell, S. B. & Co. (General, Heavy, etc.)
McClung, C. M. & Co. (General, Heavy, McClung, Buffat & Buckwell Tools, etc.)
Woodruff Hardware Co. (Heavy, Shelf, etc.)
MEMPHIS—Barnes & Miller Hardware Co. (General)
Benedict, Warren & Davidson Co. (General, Tinware, etc.)
Craig, R. G. & Co. (General)
Harris Iron & Supply Co. (Carriage, etc.)
Livermore Foundry & Machine Co. (Heavy)
Orgill Bros. & Co. (General, Agr'l Impl'ts, Stewart Bros. Hardware Co. etc.)
MORRISTOWN—Baylor, C. E. & Co. (General Grant-Hasson Hardware Co. & Heavy)
NASHVILLE—Buford Bros. (Heavy, Carriage, Craig & Shoffner Hardware Co. etc.)
Fall, J. H. & Co. (General, Heavy, Builders', etc.)
Gray & Dudley Hardware Co. (General, Heavy, etc.)
Hitchcock, L. H. & Son (General, Agr'l Impl'ts, etc.)
Keith, Simmons & Co. (General, Heavy, etc.)
Lipscomb, H. G. & Co. (Shelf, Wagon, Builders', etc.)

TEXAS.

ABILENE—Hughes, Edw. S. & Co. (General & Heavy)
AMARILLO — Morrow-Thomas Hardware Co. (General)
AUSTIN—Richardson, W. H. & Co.
Tipps, Walter A. (General, Heavy, Carriage, Saddlery, etc.)
Webb, Taylor & Perry (General, Carriage, etc.)
BEAUMONT — Wilson, E. L. Hardware Co. (General, Heavy, etc.)
BROWNWOOD—Jackson-Hughes Co. (General, Saddlery, etc.)
Weakley-Clingman Hardware Co. (General)
DALLAS—Huey & Philip Hardware Co. (General, Tinners', etc.)
Moroney Hardware Co. (General)
Thornhill, H. W. Co. (General)
DENISON—Hall-Leeper Hardware Co.
EL PASO—Krakauer, Zork & Moye (General, Firearms, etc.)
FORT WORTH—Fort Worth Heavy Hardware Co.
Henry, Wm. & Co. (General & Heavy)
Nash Hardware Co. (General, Heavy, etc.)
GAINESVILLE — Stevens-Kennerly & Spragins Co.
GALVESTON—Blum Hardware Co. (General)
Brown, J. S. Hardware Co. (General, Saddlery, etc.)
HALLETTSVILLE—Hallettsville Hdw. Co. (General)
HENDERSON—Burnett-Lacy Hardware Co.
HOUSTON—Adou-Blaine Hardware Co.
Bering-Cortes Hardware Co. (General)
Bering, C. L. & Theo., Jr.
Heitman, F. W. Co. (Heavy)
Meyer, Jos. F. Co. (Heavy & Carriage)
JEFFERSON—Meyer, Eugene
Torrans Mfg. Co.
LAREDO—Dentz Bros. (General & Heavy)
PARIS—Bettes, H. S. Hardware Co. (General)
ROCKDALE—Henne & Meyer Co.
SAN ANTONIO — Rasse, Wm. Hardware Co. (Carriage, Wagon & Heavy)
Hensinger Hardware Co. (Heavy, Builders', Cabinet, Tools, etc.)
San Antonio Hardware Co.
Schultz Stove & Hardware Co.
Tips Hardware Co. (General)
SHERMAN—Roberts, Sanford & Taylor Co.
Walsh Hardware Co. (General)
TEXARKANA—(See Arkansas)
TYLER—Adams, Jno. R. Hardware Co. (General, Heavy, etc.)
WACO—McLendon Hardware Co. (General, Heavy, etc.)
Padgitt, Tom Co. (Saddlery, etc.)
Strauss, Ed. (General, Cutlery, etc.)
WEATHERFORD—Bell, R. E. Hardware Co. (General)
Lowe Carter Hardware Co. (General, etc.)

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UTAH.

OGDEN—Lowe, Geo. A. Co. (Heavy)
SALT LAKE CITY—Salt Lake Hardware Co. (General, Heavy, etc.)
Strevell-Patterson Hardware Co. (General, Heavy, etc.)
Zion's Co-operative Mercantile Institution (General, Heavy, etc.)

VERMONT.

BURLINGTON—Hager Bros.
Manson Hardware Co.
Strong Hardware Co. (Heavy, Builders', Carriage, etc.)
MONTPELIER—Barrows & Peck
Peck Bros.
NEWPORT—Root, Hy. S. & Son
True & Blanchard Co.
RUTLAND—Landon, W. C. & Co.

VIRGINIA.

ALEXANDRIA—Carlin-Hulfish Co.
BRISTOL—(See Tennessee)
CHARLOTTESVILLE — Charlottesville Hardware Co. (General, Cutlery, Heavy, etc.)
CLIFTON FORGE—Smith, W. K. Hardware Co. (General, Builders', Tools, etc.)
DANVILLE—Hodnett, Vass, Watson Co.
Piedmont Hardware Co. (General, etc.)
HAMPTON—Booker, H. R. & Co.
HARRISONBURG—Burke, John P.
Wilton-Nicholas Hardware Co.
LYNCHBURG—Ainslie & Martin Co. (General)
Bailey, Spencer Hardware Co. (Heavy, Shelf, Firearms, etc.)
Barker-Jennings Hardware Co. Heavy, Shelf, Firearms, etc.)
Gannaway, Jno. E. & Co. (General)
Perrow-Evans Hardware Co. (General)
MANCHESTER—Vaden, Bernard P.
NORFOLK—Clark, Frank T. Co. (General)
De Haven-Dawson Co. (Inc.)
Howard, Paul R. Hardware Co. (General, Tin, Cordage, etc.)
Watters & Martin (General, Heavy, etc.)
White Hardware Co. (General)
Womble's, J. G. Sons (General)
NORTON—Norton Hardware Co. (General)
PETERSBURG—Leonard, Chas., Hardware Co. (General)
Stockdell-Myers Hardware Co. (Heavy)
Stratton & Bragg Co. (General)
PORTSMOUTH — Neville & Grubb (General, Salomon, Moses Heavy, Ship Chandlery)
RICHMOND—Baldwin & Brown
Clarke, A. B. & Son Hardware Co. (General, Heavy, Carriage, etc.)
Donnan, W. S. Hardware Co. (Heavy)
McGraw, James (General, Machinists' Supplies)
Richmond Hardware Co. (General, Tinware, etc.)
Virginia-Carolina Hardware Co. (General, Tinware, etc.)
Watkins-Cottrell Hardware Co. (General, Heavy, Saddlery, etc.)
ROANOKE — Nelson Hardware Co. (General, Miners' Supplies, etc.)
Roanoke Hardware Co. (General, etc.)
SOUTH BOSTON—Penick, R. A. & Son (General)
STAUNTON—Bowman, C. P. & Bro. (General, Saddlery, etc.)
Worthington Hardware Co. (General, Heavy, Carriage, Saddlery, etc.)
SUFFOLK—Folk, E. L., Co.
Nordfeet & Bro.
TAZEWELL—Greever, J. A.
Peery & St. Clair

WASHINGTON.

BELLINGHAM—Morse Hardware Co. (General)
Northwest Hardware Co. (General & Heavy)
EVERETT—Agnew Hardware Co.
SEATTLE—Gray Bros. (Carriage, Wagon, etc.)
Hicks, S. B. & Sons Co. (Heavy, etc.)
Pacific Hardware & S. Co. (Branch San Francisco)
Schwabacher Hardware Co. (Heavy, Shelf, Ship Chandlery, etc.)
Seattle Hardware Co. (Heavy, Shelf, Tools, etc.)
Western Hardware & Metal Co.
Whiton Hardware Co. (General, Cutlery, Tools, etc.)
SPOKANE—Holley-Mason Hardware Co. (Shelf, Heavy, Plumbers', etc.)
Jensen-King-Byrd Co. (General)
Spokane Hardware Co. (General)
TACOMA—Horst Bros.
Hunt & Mottet Co. (General & Heavy)
Washington Hardware Co.
WALLA WALLA—Drumheller Co.

WEST VIRGINIA.

BLUEFIELD—Bluefield Hardware Co. (General, Tinware, etc.)
CHARLESTON—Burlew, N. S. (General)
Charleston Hardware Co. (General)
Goshorn Hardware Co. (General)
Loewenstein & Sons (General)
CLARKSBURG—Williams & Davidson Co. (General, Heavy, Carriage)
FAIRMONT—Amos, Geo. E. & Co.
Jacob-Hutchinson Hardware Co. (General,
HINTON—Hinton Hardware Co.
HUNTINGTON — Emmons, Hawkins Hardware Co. (General, Natural Gas Fixtures, etc.)
Foster-Mead Hardware Co. (General, etc.)
Huntington Hardware Co.
KEYSER—Siever Hardware Co. (General)
PARKERSBURG — Chancellor Hardware Co.
Neal, R. L. & Co. (General) (General)
Niswander, G. W. & Co.
Smith, W. H. Hardware Co. (General)
RAVENSWOOD — McIntosh, John A. & Son (General & Heavy)
Moore, C. P. (General)
SUTTON—Lee, W. H.
WHEELING—Greer & Laing (General & Heavy)
Hiener Hardware Co.
Miller & Stein (Heavy, Carriage, etc.)
Ott-Heiskell Hardware Co. (General, Cutlery, etc.)
Snyder's, Jacob Sons (Carriage, Wagon, Blacksmith's, etc.)

WISCONSIN.

APPLETON—Galpin's, Alfred Sons
Teech, Wm.
ASHLAND—Garnich, Emil & Sons
BURLINGTON—Wagner, C. B., Hardware Co.
EAU CLAIRE—Brooks, S. C. (Est. of)
Foss-Armstrong Hardware Co. (General, Heavy, Tools, Builders', etc.)
FOND DU LAC—Hughes, Jno.
Wegner, J. F. & Co.
GREEN BAY—Findeisen Bros.
Gotfredson Bros. Co.
Kimball, Chas. P., Jr.
Morley-Murphy Hardware Co. (General, Cutlery, etc.)
HUDSON—Foss-Armstrong Hardware Co. (General
JANESVILLE—Bicknell Mfg. & Supply Co.
KENOSHA—Dewey, C. A.
LA CROSSE—Kroner, Fred, Hardware Co. (General, Wagon, Tools, etc.)
Tausche, Vincent Hardware Co. (General, Blacksmiths', etc.)
MADISON—Kroncke, A. G., Hardware Co.
Sumner & Morris
MANITOWOC—Teitgen, Emil
Worel, Zeman & Stangel Co. (General, Heavy, Carriage, etc.)
MARSHFIELD—Kliner, Lang & Scharmann Co
MILWAUKEE—Frankfurth, Wm. Hardware Co (General, Heavy, Cutlery, Firearms, etc.)
Gross, Philip Hardware Co., 126 Grand av
Hilgendorf, Kolloge & Co., 308 3d
Paulus, Peter, Hardware Co.
Pritzlaff, John Hardware Co. (General Heavy, Tin Plate, Cutlery, etc.), 41 W Water
Suelflohn & Seefeld (Heavy, Carriage, etc.), 45 2d
NEENAH—Krueger, Wm. & Co.
OSHKOSH—Leach, Frank Hardware Co.
RACINE—Hoernel Hardware Co.
Murphy, James
SHEBOYGAN—Geele, Frank Hardware Co.
SUPERIOR—Superior Hardware Co.
WATERTOWN—Kusel, D. & F. Co.
WAUSAU—Bauman Hardware Co.
Montgomery Hardware Co.

WYOMING.

CHEYENNE—Arp & Hammond Hardware Co.
Roedel, Frank A.
EVANSTON—Beeman & Cashin Mercantile Co.
LANDER—Rhein, W. H. & Co.
LARAMIE—Holliday, W. H. Co.
SHERIDAN—Diefenderfer & Dinwiddie

Hardwood Floors

(See Floors, Hardwood; also Floors, Parquet)

Hardwoods (Decorative)

Publishers Paper Co., 1 Madison av, New York

Harness (Coal Mine, Etc.)

Beagle Hame Works, Freeland, Pa.
Kugler, Clarence B., Jr., & Co., Land Title Bldg., Phila., Pa.
Olewine, Wm. & Son, Hazleton, Pa.
Pittsburg Harness Supply Co., Pittsburg, Pa.
Stratton, J. P. & Son, Sullivan, Ind.
Strecker Bros. Co., Marietta, O.

Harness (Contractors')

Columbus Carriage & Harness Co., Columbus, O.
Hayden, P. Saddlery Hardware Co. (Scraper & Railroad Harness & Supplies), Columbus, O.
Meyer, Bannerman & Co. (Harness & Supplies), 618 N 6th, St. Louis, Mo.
Sickles, J. B. Saddlery Co. (Harness & Supplies), 21st & Washington av, St. Louis, Mo.

Harness Menders

Buffalo Specialty Co. ("Rapid"), 375 Ellicott, Buffalo, N. Y.

Harpoons

Falls Mfg. Co. (Improved "C. V."), San Francisco, Cal.
Wilcox, Crittenden & Co., Middletown, Conn.

Harps (Trolley)

(See Trolley Line Materials)

Harrow Teeth Mfrs.

Babcock Mfg. Co., Leonardsville, N. Y.
Cambria Steel Co. (Spring Teeth), Arcade bldg., Phila., Pa.
Fuller & Johnson Mfg. Co., Madison, Wis.
Harrow Spring Co. (Spring), Kalamazoo, Mich.
Hench & Dromgold Co., Inc., York, Pa.
Herschel, K. Mfg. Co., Peoria, Ill.
Inland Steel Co. (Bessemer Steel), First Nat'l Bank bldg, Chicago, Ill.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Mason, F. C. & Co. (Spring, Spike), St. Johns, Mich.
Munnsville Plow Co., Munnsville, N. Y.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Parlin & Orendorff Co., Canton, Ill.
PITTSBURGH RIVET CO. (Round & Square Steel), 38th st & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Sweet's Steel Co. (Solid Steel), Williamsport, Pa.
White, S. R. & Bro., Norfolk, Va.

Harrows (Boss)

Anderson Co., St. Paul, Minn.
Emerson Mfg. Co., Rockford, Ill.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hartford Plow Co., Hartford, Wis.
Hayes Pump & Planter Co., Galva, Ill.
Keller Mfg. Co., Sauk Center, Minn.
La Crosse Plow Co., La Crosse, Wis.
Minneapolis Plow Works, Minneapolis, Minn.
Rock Island Plow Co., Rock Island, Ill.
Rowell, I. B. Co., Menomonee Falls, Wis.

Harrows (Disc)

Adriance, Platt & Co. ("New York"), Poughkeepsie, N. Y.
American Harrow Co., Detroit, Mich.
American Plow Co. ("American"), Madison, Wis.
American Seeding Machine Co. (Gang & on Wheels, also Truck), Main Office, Springfield, Ohio.
Ames Plow Co., Quincy Hall, Boston.
Avery, B. F. & Sons, Louisville, Ky.
Bement's, E. Sons, Lansing, Mich.
Benica Agricultural Works, Benica, Cal.
Bradley, David Mfg. Co., Bradley, Ill.
Bristol & Gale Co., Chicago, Ill.
Brown, Geo. W. & Co., Galesburg, Ill.
Bucher & Gibbs Plow Co. (Also Cut Out Disc & Double Disc), Canton, O.
Case, J. I., Plow Works (Racine), Racine, Wis.
Cutaway Harrow Co. ("Clark's Cutaway"), Higganum, Conn.
Daley, M. H., Charles City, Ia.
Deere & Mansur Co., Moline, Ill.
Deuscher, H. P. Co., Hamilton, O.
Emerson Mfg. Co. (Emerson, Sandow), Rockford, Ill.
Fetzer & Co., Springfield, Ill.
Fort Madison Plow Co., Fort Madison, Ia.
Fountain City Drill Co., La Crosse, Wis.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. (One or Two Lever also Cutaway), Albion, Mich.

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Galesburg Coulter-Disc. Co. ("Brown"), Galesburg, Ill.
Grand Detour Plow Co., Dixon, Ill.
Haish, Jacob Co., De Kalb, Ill.
International Harvester Co. of America (Culaway, Reversible, Vineyard), Chicago, Ill. Osborne Plant, Auburn, N. Y.
Janesville Mach. Co. (Budlong), Janesville, Wis.
Johnston Harvester Co., Batavia, N. Y.
Kingman & Co., Peoria, Ill.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Lean, Roderick Mfg. Co., Mansfield, O.
Lehr Agricultural Co., Fremont, O.
Long & Allstater Co. ("Hamilton"), Hamilton, Ohio
Luthy & Co., Peoria, Ill.
McSherry Mfg. Co., Middletown, O.
Moline Plow Co. (Cutaway & Reversible), Moline, Ill.
Monmouth Plow Co., Monmouth, Ill.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Ohio Cultivator Co., Bellevue, O.
Ohio Rake Co., Dayton, O.
Parlin & Orendorff Co. (Canton), Canton, Ill.
Patten & Stafford Co. ("New York Champion"), Canastota, N. Y.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co. (with Drilling Seeder Attachment), Rock Island, Ill.
Rockford Mfg. Co. ("Rockford"), Rockford, Ill.
St. Joseph Plow Co., St. Joseph, Mo.
Shaw, H. C. Co. ("Stockton," Reversible), Stockton, Cal.
Sears, Albert H. & Co., Plan, Ill.
Standard Harrow Co. (Model), Utica, N. Y.
Sterling Mfg. Co., Sterling, Ill.
Sucker State Drill Co., Belleville, Ill.
Syracuse Chilled Plow Co. (Steel Frame), Syracuse, N. Y.
Thomas Mfg. Co., Springfield, O.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Toledo Plow Co., Toledo, O.
Wiard Plow Co., Batavia, N. Y.

Harrows (Spading)

Bement's, E. Sons (Morgan), Lansing, Mich.
Chapinville Wheel Co. (New Yorker), Poughkeepsie, N. Y.
Deere & Mansur Co., Moline, Ill.
Janesville Mach. Co. (Budlong), Janesville, Wis.
Parlin & Orendorff Co. (Canton), Canton, Ill.
Wiard Plow Co. (Morgan), Batavia, N. Y.

Harrows (Spring Tooth)

Adriance, Platt & Co. (Wheel & Wheel Riding), Poughkeepsie, N. Y.
Albright, James H. & Sons, Mifflinburg, Pa.
Allen, S. L. & Co., Phila., Pa.
American Harrow Co., Detroit, Mich.
American Seeding Machine Co., Main office. Springfield, O. Works: Louisville, Ky.
American Spring & Srpply Co., 145-147 Johnson, Brooklyn, N. Y.
Babcock Mfg. Co., Leonardville, N. Y.
Belcher & Taylor Agricultural Tool Co., Chicopee, Falls, Mass.
Bement's, E. Sons, Lansing, Mich.
Bucher & Gibbs Plow Co., Canton, O.
Davison Harrow Co., Utica, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Empire Plow Co., Cleveland, O.
Farquhar, A. B. Co., York, Pa.
Gale Mfg. Co. (Steel or Wood Frame), Albion, Mich.
Greenville Implement Co., Greenville, Mich.
Hartford Plow Works, Hartford, Wis.
Heebner & Sons, Lansdale, Pa.
Hench & Dromgold Co., York, Pa.
Hoke Mfg. Co., South Bend, Ind.
Howland Mfg. Co., Pontiac, Mich.
International Harvester Co. of America (Steel Frame, Steel, Steel Frame Lever, Wheel Riding, One Horse Garden, Vineyard Pea Tooth, etc.), Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnson Harvester Co. (Perry), Batavia, N. Y.
Keystone Farm Machine Co., York, Pa.
Kingman & Co., Peoria, Ill.
Lean, Roderick Mfg. Co. (Also Spike Tooth).
Lovejoy Co., Cambridge, N. Y. Mansfield, O.
Merrill, Freeman C., South Paris, Me.
Molitor, North & Moyers, Lansing, Mich.
Munnsville Plow Co. Munnsville, N. Y.
Northw'n Steel & Iron Wks., Eau Claire, Wis.
Ohio Rake Co. (Quall Steel & Advance Wood), Dayton, O.
Patten & Staffo:d Co. ("New York Champion"), Canastota, N. Y.
Spangler Mfg. Co., York, Pa.
Standard Harrow Co., Utica, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thomas Mfg. Co., Springfield, O.
Williams Mfg. Co., Kalamazoo, Mich.
Wood, W. A., Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

Harrows & Pulverizers

Adriance, Platt & Co. (Peg & Spring Tooth with or without Seat), Poughkeepsie, N. Y.
Allen, S. L. & Co., 1017 Market, Phila., Pa.
American Harrow Co., Detroit, Mich.
American Seeding Machine Co. (Spike & Spring Tooth Lever, etc.), Main office, Springfield, Ohio
Ames Plow Co., Quincy Hall, Boston, Mass.
Anderson Co., Little Falls, Minn.
Anderson Company (Boss Harrows), St. Paul, Minn.
Atlanta Agricultural Works ("Little Joe," "Arkansas Traveler," "Atlanta"), Atlanta, Ga.
Austin-Bryan Mfg. Co., Birmingham, Ala.
Avery, B. F. & Sons (Lever, Spike Tooth), Louisville, Ky.
Bailey, Nichols & Co. (Nichols Roller Harrow).
Barley, Thos. K., Sedalia, Mo. Delevan, Ill.
Bateman Mfg. Co. (Iron Age), Grenloch, N. J.
Bechtolt, Geo. E., Urbana, O.
Belcher & Taylor Agl. Tool Co. (Eclipse Weed Harrow, Yankee Pulverizer, Share's Coulter Harrow, etc.), Chicopee Falls, Mass.
Benicia Agricultural Works (Benicia, Peerless & Eureka), Benicia, Cal.
Billups, O. Son & Co., Norfolk, Va.
Bradley, David Mfg. Co. (U Bar Lever, Gas Pipe Frame), Bradley, Ill.
Brown, Geo. W. & Co. (Lever Pipe, U Bar & Wood), Galesburg, Ill.
Brown Mfg. Co., Zanesville, O.
Bucher & Gibbs Plow Co. (Spike Tooth) Canton, O.
Case, J. I. Plow Works (Critic & Case, Lever, Scotch), Racine, Wis.
Castille Chilled Plow Co., Castille, N. Y.
Champion Thresher Co., Orrville, O.
Clayton, John Plow Works Co. (Steel Lever, Wood, etc.), Minneapolis, Minn.
Clipper Chilled Plow Co., Elmira, N. Y.
Collins Plow Co. (Quincy Lever, Steel U Bar), Quincy, Ill.
Crisler Harrow Co., Wichita, Kan.
Cutaway Harrow Co. ("Clark"). Higganum Conn.
Daley, M. H., Charles City, Ia.
Deere & Co., Moline, Ill.
Deere & Mansur Co. (Zig-Zag, Deer Lever, Ajax, Scotch), Moline, Ill.
Deuscher, H. P. Co. (McColm Pulverizer), Hamilton, O.
Donaldson Bros. (Spike Tooth), Mt. Clemens, Mich.
Dowden Mfg. Co. (Weed Harrow), Prairie City, Ia.
Dunham, J. W. & Son, Berea, O.
Eagle Mfg. Co., Kansas City, Mo.
Eaton Plow Works (V. A. Stookey & Son, Props.), Pinckneyville, Ill.
Emerson Mfg. Co., Rockford, Ill.
Empire Plow Co. ("Empire"), Cleveland, O.
Evans, A. C. Mfg. Co. (U Bar), Springfield, O.
Farquhar, A. B. Co., Ltd. (Spring Tooth, etc.), York, Pa
Fond du Lac Implement Co., Fond du Lac, Wis.
Fort Madison Plow Co., Fort Madison, Ia.
Fountain City Drill Co. (Steel Lever), La Crosse, Wis
Fuller & Johnson Mfg. Co. (Boss, Bonanza Lever, U & Pipe Bar), Madison, Wis
Fulton Machine Co. (Cyclone Soil Pulverizer) Canal Fulton, O
Gale Mfg. Co. (Spring Tooth Steel & Lever Harrows, Spike Tooth, Steel U Bar), Albion Mich
Galesburg Coulter-Disc Co., Galesburg, Ill.
Genesee Valley Mfg. Co. (Fargo V Tooth), Mt Morris, N. Y
Grand Detour Plow Co. (Pine, Beam, U Bar, Angle Bar, Wood & Steel), Dixon, Ill
Greencastle Mfg. Co. (Perry Pattern), Green castle, Pa
Haish, Jacob Co., De Kalb, Ill.
Hartford Plow Works (Boss Lever, Angle Bar Scotch), Hartford, Wis
Hayes Pump & Planter Co. (Steel U Bar, Angle Bar or Pipe with Spike Tooth), Galva, Ill
Hazen, W. S. & Marshall (Hazen, Scotch) Ripon, Wis
Hench & Dromgold Co. (Spike Tooth, Steel & Wood Frame, Pulverizers, etc.), York, Pa
Hickox, Mull & Hill Co. (Champion Pulverizer) Toledo, O
Hoke Mfg. Co. (Lever Spike Tooth), South Bend, Ind
Houser & Haines Mfg. Co. (Spike Tooth), Stockton, Cal
Howell, R. R. & Co., Minneapolis, Minn.
Howland Mfg. Co., Pontiac, Mich.
Hudson, S. T. (Hudson, Four-in-One), Riverhead, N. Y
Hunt, Helm, Ferris & Co., Harvard, Ill.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Janesville Machine Co. (Tubular Lever), Janesville, Wis.
Jeliff C. O. Mfg. Corporation (Meeker's Smoothing), Southport, Conn.
Johnson & Smith Co. (Steel), Austin, Minn.
Johnson Harvester Co. (Steel), Batavia, N. Y.
Keller Mfg. Co., Sauk Center, Minn.
Keystone Farm Machine Co. (Spring & Spike Tooth), York, Pa.
King & Hamilton Co. (Pulverizers), Ottawa, Ill.
Kingman & Co., Peoria, Ill.
Kingman Plow Co. (U Bar), Peoria, Ill.
La Crosse Plow Co. (Tubular, Zig-Zag, Steel & Wood Flexible & Wood Lever), La Crosse, Wis.
Lean, Roderick Mfg. Co. (All Steel Lever, Zig-Zag, Spike Tooth), Mansfield, O.
Lee Bros., Watertown, S. D.
Lehr Agricultural Co. (Peg Tooth, etc.), Fremont, O.
Lovejoy Co. (Spike Tooth), Cambridge, N. Y.
McSherry Mfg. Co., Middletown, O.
MacGowan & Finigan Fdy. & Machine Co. ("M. & F." U. Bar Steel), Gay bldg, St. Louis, Mo.
Marseilles Harrow Mfg. Co. (Triangular-Steel Frame), Marseilles, Ill.
Mead Hay Press Co., Pueblo, Col.
Merrill, Freeman, C., South Paris, Me.
Minneapolis Plow Works (Boss, Monitor, Scotch Steel Frame Lever), Minneapolis, Minn.
Moline Plow Co. (Steel Pipe Lever, U Bar Pulverizer), Moline, Ill.
Molitor, North & Moyers, Lansing, Mich.
Monmouth Plow Co. (Lever), Monmouth, Ill.
Nash, Duane, H. (Acme Pulverizer Harrow, Clod Crusher & Leveler), Millington, N. J.
Northwestern Steel & Iron Works (Disc, Spike Tooth & Spring Tooth), Eau Claire, Wis.
Ohio Cultivator Co. (Steel Lever, Cyclone Pulverizer), Bellevue, O.
Ohio Rake Co. (U Bar, Quall L Bar, Spike Tooth), Dayton, O.
Parlin & Orendorff Co. (Canton Pipe Frame Lever & U Bar Lever Scotch & Smoothing, Rough Rider, Clod Crusher), Canton, Ill.
Patten & Stafford Co., Canastota, N. Y.
Pekin Plow Co. (Lever & Disc), Pekin, Ill.
Peoria Implement Mfg. Co. (Rex Harrow & Pulverizer), Peoria, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Peterson Mfg. Co. (Imperial Pulverizer, Kent, Ohio
Phoenix Foundry & Mfg. Co. (Parker's Pulverizers), Ripley, O.
Plattner Implement Co. (Spike Tooth, Steel Frame), Denver, Col.
Pounder, G. H. (Pounder Flexible, Ft. Atkinson, Wis.
Racine-Sattley Co. (Spike Tooth, Steel Frame), Springfield, Ill.
Reed & Rogers (Scotch), Vernon, Ind.
Richmond Plow Co., Richmond, Ind.
Ripson, Wm. & Son, Youngstown, N. Y.
Rock Island Plow Co. (Steel & Wood Lever, Flexible, Boss), Rock Island, Ill.
Rockford Implement Co. ("Skandia", Spike Tooth, Wood Frame), Rockford, Ill.
Rockford Mfg. Co. ("Rockford", Steel & Wood Lever), Rockford, Ill.
Rowell, I. B. & Co., Menomonee Falls, Wis.
St. Joseph Plow Co. (Scotch, Channel & Pipe or Tap Bar Steel Spike Tooth), St. Joseph, Mo.
Sargent, S. R. & Co. (New England Smoothing), Castleton, Vt.
Sears, Albert H. Co., Plano, Ill.
Sechler, D. M. Carriage Co. (Black Hawke Pulverizer), Moline, Ill.
Selby, Starr & Co., Peoria, Ill.
South Bend Chilled Plow Co. (Smoothing, New Market 14 Teeth), South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Sparta Plow Works (Imperial U Bar), Sparta, Ill.
Standard Harrow Co. ("Crescent" & "Superior" Spike Tooth Lever), Utica, N. Y.
Star Mfg. Co. (Spike Tooth, U Bar), Carpentersville, Ill.
Sterling Mfg. Co. (Lever), Sterling, Ill.
Sucker State Drill Co., Belleville, Ill.
Sulky Disc Harrow Co., Madison, Wis.
Syracuse Chilled Plow Co. (Spring & Spike Tooth), Syracuse, N. Y.
Tait, F. B. Mfg. Co., Decatur, Ill.
Thompson, J. & Sons Mfg. Co. (U. Bar, Steel Lever, Champion Pipe Bar), Beloit, Wis.
Toledo Plow Co. (Spike or Spring Tooth), Toledo, Ohio
Tomasek & Nekola, La Crosse, Wis.
Tower, J. D. & Sons Co. (Pulverizer, Clod Crusher & Weed Exterminator), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Pennington", Roman & Ark Side Harrow), Rome, Ga.
Umbach, F. G., Athens, Ga.
Vaughn, O. C. Mfg. Co. (Flexible), Jefferson, Wis.

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Ware, J. L. (Boss Steel Lever), Minneapolis, Minn
Whitman Agricultural Co., St. Louis, Mo.
Wiard Plow Co. (Cotton & Corn), Batavia, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.
Zelisch, A. Theo. (Smoothing), Mayville, Wis.

Harvesters (Bean & Pea)

Acme Harvester Co., Peoria, Ill.
Akron Cultivator Co., Akron, O.
Allen, S. L. & Co., 1017 Market, Phila., Pa.
American Harrow Co., Detroit, Mich.
Arnold's, G. W. Son, Ionia, Mich.
Beach Mfg. Co., Lyons, Mich.
Bidwell, C. H. Thresher Co. (Inc.), Batavia, N. Y.
Caledonia Bean Harvester Works, Caledonia,
Cardwell Machine Co., Richmond, Va. N. Y
Clore's, Wm. Sons (Pea), Rising Sun, Ind.
Farmers' Handy Wagon Co., Saginaw, Mich.
Gale Mfg. Co., Albion, Mich.
Howland Mfg. Co., Pontiac, Mich.
Lehr Agricultural Co., Tremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rowell, J. S. Mfg. Co., Beaver Dam, Wis.
Wettlaufer, Ratz Mfg. Co., Cass City, Wis.
Wiard Plow Co. (The Universal), Batavia, N. Y.

Harvesters (Beet)

American Beet Harvester Co., Saginaw, Mich.

Harvesters (Combined)

Best Mfg. Co., San Leandro, Cal.
Holt Mfg. Co., Stockton, Cal.
Houser & Haines Mfg. Co., Stockton, Cal.

Harvesters (Corn)

Adriance, Platt & Co. (Also Rear Discharge & Elevator Binders), Poughkeepsie, N. Y.
Bennett, H. L. & Co., Westerville, O.
Blue Valley Mfg. Co., Manhattan, Kan.
Deering Harvester Co., Chicago, Ill.
Empire Foundry & Harvester Works, Marysville, Cal.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Foos Mfg. Co., Springfield, O.
Hickox, Mull & Hill Co., Toledo, O.
Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnston Harvester Co., Batavia, N. Y.
Kansas City Hay Press Co., Kansas City, Mo.
Lehr Agricultural Co., Fremont, O.
Standard Harrow Co., Utica, N. Y.
Stevens Mfg. Co., Joliet, Ill.
Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

Harvesters (Rice)

International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnston Harvester Co., Batavia, N. Y.

Harvesters & Binders (Grain)

Acme Harvesting Machine Co., Peoria, Ill.
Adriance Platt & Co., Poughkeepsie, N. Y.
Aultman & Taylor Machinery Co., Mansfield.
Independent Harvester Co., Plano, Ill. Ohio
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnston Harvester Co., Batavia, N. Y.
Seiberling & Miller Co., Doylestown, O.
Wood, Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

Hasps & Staples

(See also Staples)

ACME STEEL GOODS CO. ("Acme" Wrought Steel), 2834 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv index, end of Brewer Bros., 614 Filbert, Phila., Pa. book)
Corbin Cabinet Lock Co., New Britain, Conn.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Griffin Mfg. Co. (Also Wrought Steel Hinge Hasps), Erie, Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
Humason & Beckley Mfg. Co., New Britain, Conn.
Lawrence Bros. (Wrought Iron), Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Racine General Mfg. Co., Racine, Wis.
Reading Hardware Co. (Wrought Iron), Reading.
Richards Mfg. Co., Aurora, Ill. Pa.
STANLEY WORKS (Wrought Crate for Berry Boxes, etc.), New Britain, Conn. (See adv. index & branch offices, end of book)
Vaughan & Bushnell Mfg. Co., 877 Carroll av, Chicago, Ill.
Western Brass Mfg. Works (Cast Brass or Bronze), 21st & Rockwell, Chicago, Ill.

Hatch Doors (Automatic)

Bardsley Bros., 151 Baxter, New York
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
COHOES IRON FOUNDRY & Machine Co. ("Snow"), Cohoes, N. Y. (See adv. index, end of book)
Curran, Jas. H. Elevator Co., Cincinnati, O.
Richmond Safety Gate Co., Richmond, Ind.
Salem Elevator Works, Salem, Mass.
SEDGWICK MACHINE WORKS, 128 Liberty, New York & Poughkeepsie, N. Y. (See adv. index, end of book)
SPIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
Stevens, Wm. (Est. of), 1221 Frankford av, Philadelphia, Pa.
Underwriters Hatch Door Co., 58 N Jefferson, Chicago, Ill
WARNER ELEVATOR MFG CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index & branch offices, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
Webb, J. R. (Excelsior), 414 Bleecker, New York
Welchans, A. C., 202 W James, Lancaster, Pa.

Hatch Doors (Automatic in Case of Fire Only)

REEDY, H. J. CO. (Fusible Link in Case of Fire), Cincinnati, O. (See adv. index, end of book)
Richmond Safety Gate Co., Richmond, Ind.
Underwriters Hatch Door Co. (Electric), 58 N. Jefferson, Chicago, Ill.
Victor Mfg. Co. (Fusible Link), Newburyport, Mass.

Hatch Gates (Automatic)

(See Elevator Gates, Automatic)

Hatchet Mfrs.

American Axe & Tool Co. (All Kinds), Glassport, Pa., 253 B'way, New York
Arcade Mfg. Co. (Cast Shingling, etc.), Freeport, Ill.
Bangor Edge Tool Co. ("Hunting"), Bangor, Me
Black, John B. ("Wm. Beatty & Sons," "Royal" Ice, Half Shingling, Claw, Lathing, Barrel, Produce, Warehouse or Tobacco, Broad, etc.), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Burgess-Norton Mfg. Co. ("Black Eagle"), Geneva, Ill
Chantrell Tool Co. (Cast Iron & Steel), Reading
Collins Co., Collinsville, Conn. Pa
Evansville Tool Works (All Kinds), Evansville
Findlay Axe & Tool Co., Findlay, O. Ind
Franklin Specialty Co. ("Clark" Nickel Plated), Reading, Pa
Germantown Tool Works, 518 Commerce, Gtn. Phila., Pa.
Gleason & Allen, Plymouth, Conn.
Hammond, C. & Son (All Kinds), Ogonts, Pa.
Harding Edge Tool Co., c McWhorter & Oliver, Newark, N. J
Hardware & Woodenware Mfg. Co. (Cast Iron etc.), 693 B'way, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mason & Parker, Winchendon, Mass.
North Wayne Tool Co. (the "Karadam," Tobacco, etc.), Hallowell, Me
Norton Tool Co. (Shingling, Lathing, Half, Claw, Broad, Hunters', etc.), West Park, Ohio
Peck Edge Tool Co. (All Kinds), Cohoes, N. Y
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Plumb, Fayette R., c Tucker & Trenton ave Phila. Pa
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sayre, L. A. Co., Newark, N. J.
Storts, John, & Son (Ice), 210 Vine, Philadelphia, Pa.
Weston, Thos. B., 118 Centre Market space, Baltimore, Md.
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Wiebusch & Hilger (Ltd.), 13 Murray, New
Williams, A. C. Co., Ravenna, O. York
Williams, C. A. & Co., Skowhegan, Me.
Wrightsville Hdw. Co. (Claw, Shingles & Half), Wrightsville, Pa.

Hay Racks (Folding)

Folding Hay Rack Co. ("White & Gaylord"), Forest Lawn, N. Y.

Hay Racks (Wire & Iron)

Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo,
Mack Iron Works, Sandusky, O. N. Y.
Ohio Road Machinery Co. ("Farmer's Friend"), Oberlin, O.

Headers (Barrel)

Swett, A. I. Iron Works (Or Barrel Presses), Medina, N. Y.

Headers (Fruit Can)

Ayars Machine Co. ("Merriam"), Salem, N. J.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)

Headers (Rivet)

(See Rivet Heading Machines)

Headers (Rod)

Manville, E. J. Machinery Co., Waterbury,
National Machineery Co., Tiffin, O. Conn.

Headers (Screw Blank)

Manville E. J. Machine Co., Waterbury, Conn.

*Headers (Tin Can)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Headers (Wire)

Blake & Johnson Co., Waterbury, Conn.

Headlights (Acetylene Gas)

Adams & Westlake, Ontario c N Franklin, Chicago, Ill.
Rushmore Dynamo Works, Plainfield, N. J.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Headlights (Arc)

(See Headlights, Electric Car)

Headlights (Arc, Electric Mine Locomotive)

Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Headlights (Electric Car)

(See also Headlights, Locomotive)

Adams & Westlake Co. (Arc & Incandescent), Ontario c N Franklin, Chicago, Ill.
Boesch Lamp Co., San Francisco, Cal.
Crouse-Hinds Electric Co. (Arc & Incandescent), Syracuse, N. Y.
Dayton Mfg. Co. (Arc & Incandescent; ("Eureka," "Mosher," "Rex," "Venus," "Wayenhsia," "Wellman"), Dayton, O.
Defiance Lantern & Stamping Co., Defiance, O.
Dewey, F. O. Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Glaiser Headlight Co., Rochester, N. Y.
Ham, C. T. Mfg. Co., Rochester, N. Y.

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Kraushaar Brass Mfg. Co. ("Anderson-Smith," Arc & Incandescent), St. Louis, Mo.
Neal Elec Headlight Co., Boston, Mass.
Pyle National Electric Headlight Co., 241 S Jefferson, Chicago, Ill.
Ridlon Frank Co. ("Ridlon" Incandescent), Boston, Mass.
Rochester Head Light Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
Schettler, C. A. & Co. ("Duplex"), Cleveland, Ohio
Smith, Chas. G. (Arc & Incandescent), 352 Pearl, New York
Star Headlight Co., Rochester, N. Y.
Trolley Supply Co. ("Climax," "Star," "Globe"), Canton, O.
United States Headlight Co. (Arc & Incandescent), Buffalo, N. Y.
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

Headlights (Incandescent)

(See Headlights, Electric Car)

Headlights (Locomotive)

(See also Headlights, Electric Car; also Headlights, Acetylene Gas; also Headlights, Oil)

Adams & Westlake Co. (Also Street & Interurban), Ontario & N Franklin, Chicago, Ill.
Boesch Lamp Co., San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Dewey, F. O. Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Co., 3880 Park av, New York
Glasier Head Light Co., Rochester, N. Y.
Handlan-Buck Mfg. Co. (Handlan), 210 N 3d, St. Louis, Mo.
Kraushaar Brass Mfg. Co., St. Louis, Mo.
Pyle-National Elec. Headlight Co., 241 S Jefferson, Chicago, Ill.
Rochester Head Light Works (Jas. H. Kelly, Prop.), Rochester, N. Y
Schroder Headlight Co., Evansville, Ind.
Sherburne & Co., 53 Oliver, Boston, Mass.
Star Headlight Co., Rochester, N. Y.
United States Headlight Co. (Electric, Gas & Oil), Buffalo, N. Y.
Wheeler Reflector Co., 156 Pearl, Boston, Mass.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Headlights (Oil)

Adams & Westlake Co., Ontario c N Franklin, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Defiance Lantern & Stamping Co. (Kerosene), Rochester, N. Y.
Smith, Chas. C., 352 Pearl, New York
Star Headlight Co., Rochester, N. Y.
United States Headlight Co., Buffalo, N. Y.

Heads (Buffing)

Meriden Machine Tool Co., Meriden, Conn.

Heads (Coke Scraper)

Oliver Iron & Steel Co., Pittsburg, Pa.
Phillips Mine & Mill Supply Co., Pittsburg, Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

Heads (Cutter)

American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Bentel & Margedant Co., Hamilton, O.
Buettner & Shelbourne Machine Co. ("B. & S"), Terre Haute, Ind.
Ettinger Machine Co., Chester, Pa.
Fay, J. A. & Egan Co., Cincinnati, O.
Philbrick, W. W., Seattle, Wash.
Power, L. & Co., 20 S 23d, Phila., Pa.
Schellenbach-Hunt Tool Co. ("Universal" Expanding Cutter Boring), Cincinnati, O.
Shimer, Samuel J. & Sons (Expansion), Milton, Pa.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Thompson, W. S., 418 W 24th, New York

Heads (Dado)

Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind
Bentel & Margedant Co., Hamilton, O.
Fox Machine Co., Grand Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.

Heads (Die)

Adjustable Collet Co., Cleveland, O.
MURCHEY MACHINE & TOOL CO. (Automatic), 52 Porter, c 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

*Heads (Golf)

PAGE-STORMS DROP FORGE CO. (Drop Forged Steel), Chicopee, Mass. (See adv. index, end of book)

*Heads (Hard Fibre)

DELAWARE HARD FIBRE CO. (For Spark Coils, Spools, etc.), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (For Spark Coils, Spools, etc.), Elsmere, Del. (See adv index, end of book)

Heads (Hollow Augur)

Bentel & Margedant Co., Hamilton, O.

Heads (Index & Dividing)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Spring Grove av & Alfred, Cincinnati, O.
Garvin Machine Co., 137 Varick, New York
Owen Machine Tool Co., Springfield, O.
Pratt & Whitney Co., Hartford, Conn.

Heads (Piston)

Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Pratt & Letchworth Co., Buffalo, N. Y.

Heads (Planer)

Crucible Steel Co. of America (La Belle Steel), Frick bldg, Pittsburg, Pa.

Heads (Polishing)

Builders' Iron Foundry, Providence, R. I.
Goodell-Pratt Co. (Also Grinding), Greenfield Mass
Hanson & Van Winkle Co., Newark, N. J.
Zucker, Levett & Loeb Co., 516 W 25th, New York

Heads (Screw Cutting Die)

Modern Tool Co. (Self-Opening), Erie, Pa.
WELLS BROS CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Heads (Turret)

Baker Machine Co., New Bedford, Mass.

Heaters Acetylene)

(See Stoves, Acetylene)

*Heaters (Air)

CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

*Heaters (Airtight Wood)

WILSON F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Heaters (Asphalt, Pitch & Tar)

(See also Machinery, Asphalt)

CANTON BOILER & ENGINEERING CO., (Asphalt & Tar), Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Evans, F. H., 506 Kent av, Brooklyn, N. Y.
Hooke, Robt., Chattanooga, Tenn.
Houhorst, Joseph Co., Cincinnati, O.
Iroquois Iron Works, Buffalo, N. Y.
KOVEN, L. O. & BRO., 50 Cliff, N. Y. (See adv. index, end of book)
Littleford Bros., 435 E Pearl, Cincinnati, O.
Lyman, W. C., 40 Michigan, Chicago, Ill.
MACLEOD, WALTER, & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
Schelkenbach & Budkey, Jersey City, N. J.
Stuebner, G. L. Iron Works, Long Island City, N. Y.
Turl's, Jno. Sons, 26 Cortlandt, New York: Works: Newburgh, N. Y.
Universal Road Machinery Co. (Melting Tanks), 55 Liberty, New York
Union Iron Works, Hoboken, N. J.

Heaters (Automobile & Carriage)

Chicago Auto Heater Co. ("H. & H."), 295 N State, Chicago, Ill.
CHICAGO FLEXIBLE SHAFT CO. ("Clark"), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Kelly Mfg. Co. (Vehicle), Waterloo, Iowa
Lehman Bros. ("Star"), 10 Bond, New York
McCord Mfg. Co. ("McCord"), Detroit, Mich.
Novelty Mfg. Co. (X-Radium), Jackson, Mich.
Progressive Mfg. Co. ("Petty"), Pana, Ill.
Seaman, Willis F. ("Peerless"), Mineola, N. Y.
Standard Stamping Co. ("Standard"), Marysville, O.

Heaters (Barrel)

Hynson Tool & Supply Co. ("Champion"), St. Louis, Mo.
Jacobs, Kenneth W., Milwaukee, Wis.
Manistee Iron Works Co., Manistee, Mich.
Warsaw Elevator Co., Warsaw, N. Y.

Heaters (Bath)

(See Heaters, Water)

*Heaters (Bench Rivet)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Heaters (Car Coal)

Baker, Wm. C. ("Mighty Midget," Hot Water), 143 Liberty, New York
CHICAGO CAR HEATING CO. (Vapor System), Railway Exchange bldg, Chicago, Ill., & 170 B'way, New York. (See adv. index & branch offices, end of book)

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Cooper Heater Co. (Hot Water), Dayton, O.
Consolidated Car Heating Co. (Direct Steam & Hot Water), 42 B'way, New York, & 413 N Pearl, Albany, N. Y.
Detroit Stove Works ("Jewell"), Detroit, Mich.
Germen Stove Co. ("Radiant" Hot Water), Erie, Pa.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Safety Car Heating & Lighting Co., 2 Rector, New York
Smith, Peter, Heater Co. (Hot Water), Detroit, Mich.
Wilks, S. Mfg. Co., 35th c Shields av, Chicago, Ill.

*Heaters (Casine)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

Heaters (Combination)

Barber Mfg. Co. (Hot Water & Hot Air), Ashtabula, O.
Barstow Stove Co. ("Bay State"), 210 Water, New York & Providence, R. I.
Boynton Furnace Co., 207 Water, New York
Chicago Heater & Supply Co., 54 Dearborn, Chicago, Ill.
Cox, Abram, Stove Co., cor American & Dauphin, Phila., Pa.
Earley, Wm. (Hot Air, Hot Water & Steam), 1216 Ridge av, Phila., Pa.
Excelsior Steel Furnace Co., 38 W Monroe, Chicago, Ill.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren Co., Troy, N. Y.
Giblin & Co., Utica, N. Y.
Hart & Crouse Co., Utica, N. Y.
Henderson, Frank, Troy, N. Y.
International Heater Co., Utica, N. Y.
Keith Furnace Co., Des Moines, Ia.
Kohler Furnace & Steam Heating Co., 1342 Columbus av, Rox., Boston, Mass.
McCrum-Howell Co. (Hot Air & Hot Water), 103 Park av
Magee Furnace Co., 38 Union, Boston, Mass.
Makin Heating Co., 803 Locust, Phila., Pa.
March-Brownback Stove Co., Pottstown, Pa.
Mershon Patent Shaking Grate Works, 1203 Filbert, Philadelphia, Pa.
Monroe Foundry & Furnace Co., Monroe, Mich.
Mott, J. L., Iron Works (Hot Air & Hot Water), 118 5th av, New York
Mueller, L. J. Furnace Co., Milwaukee, Wis.
Peninsular Stove Co. (Hot Air & Hot Water), 10th & W Fort, Detroit, Mich.
Portland Stove Foundry Co., Portland, Me.
Quaker Mfg. Co. (Hot Air & Hot Water), Chicago Heights, Ill.
Reading Stove Works (Hot Air & Hot Water), Reading, Pa.
Richardson & Boynton Co., 234 Water, New York
Sheppard, Isaac A. & Co., 1801 N 4th, Phila., Pa
Smith, Chas. Co. (Hot Air & Hot Water), 122 Lake, Chicago, Ill.
Southard-Robertson Co., 257 Water, New York
Stamford Foundry Co. (Hot Air & Hot Water), Stamford, Conn.
Utica Heater Co., Utica, N. Y.
Walker & Pratt Mfg. Co., 33 Union, Boston, Mass
White, Chas. H. & Co., 22 Bowker, Boston Mass.

*Heaters (Dexterine)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

Heaters (Electric)

American Electrical Heater Co. ("Uncle Sam," for Cooking, Heating, etc.), Detroit, Mich
Barr, W. J. Electric Mfg. Co. ("Eureka"), Cleveland, O.
Butte Engineering & Elec. Co., San Francisco, Cal.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Manning, Bowman & Co. (Cooking Utensils), Meriden, Conn.
Nagel, W. G. Elec. Co. ("Fisk"), Toledo, O.
National Electric Heating Co., Cambridge, Mass.
Pacific Elec. Heating Co., Ontario, Cal.
Penn. Electric Heating Co., Koppel, Pa.
Rathbone & Panigot Co. (Fire Places & Stoves), Grand Rapids, Mich
St. Louis Electric Heating Co. (All Forms of Electrical Heating Devices), St. Louis, Mo.
Simplex Electric Heating Co. ("American"), Cambridge, Mass.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Heaters (Electric Car)

Consolidated Car Heating Co., 42 B'way, New York, & Albany, N. Y.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Johns, H. W.-Manville Co. ("J-M"), 100 William, New York
Prometheus Electric Co., 236 E 43d, New York
Simplex Electric Heating Co., Cambridge, Mass.

Heaters (Feed Water)

(See also Purifiers, Feed Water)

Alberger Condenser Co. ("Wainwright"), 95 Liberty, New York
Allen, Wm. & Sons Co. ("Victor," "Excelsior"), Worcester, Mass
ALLIS-CHALMERS CO. ("Reynolds"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Angells, Jno. E. & Co., St. Louis, Mo.
Baragwanath, Wm. & Son, 52 W Division, Chicago, Ill.
Bates Machine Co. ("Cookson"), Joliet Ill.
Berry Engineering Co., Chester, Pa.
Berryman Feed Water Co., 65 W 2d, Phila., Pa.
Berryman Feed Water Heater & Purifier Co., 127 N 4th, Phila., Pa.
BLAKE, GEO. F. MF'G. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Brancher Bros. ("Little Giant"), Danville, Ill.
Bridgeport Boiler Works ("Lowe"), Bridgeport, Conn.
Brownell Co. (Standard & Improved), Dayton, Ohio
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Catchpole, A. & Co., Geneva, N. Y.
Chicago Steam Boiler Works, Chicago, Ill.
Cole, R. D. Mfg. Co., Newnan, Ga.
Colles, E. G. T. & Co., 20 S Canal, Chicago.
Cox & Sons Co., Bridgeton, N. J.
Davis, I. B. & Son ("Berryman," "Gleaner" & "Hartford"), Hartford, Conn.
Duquesne Mfg. Co. ("Gunning," Mechanical Heater & Purifier), Pittsburg, Pa.
Eclipse Feed Water Heater & Purifier Co. ("Eclipse"), Oshkosh, Wis.
Erie City Iron Works (Open & Counter Current, etc.), Erie, Pa.
Erie Machine Shops ("Jackson"), Erie, Pa.
Erie Mfg. & Supply Co. ("Hardwick & Riblet"), Erie, Pa
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Flint, Sam'l E. & Co. ("St. Louis"), Security bldg, St. Louis, Mo
Frost Mfg. Co. ("Frost" Standard), Galesburg, Ill
Fulton Iron Works ("Llewellyn"), San Francisco, Cal.
Gem City Boiler Co., Dayton, O.
Goubert Mfg. Co. ("Goubert"), 90 West, New York
Great Lake Engineering Works (Heaters & Purifiers), Detroit, Mich.
Green Fuel Economizer Co., Matteawan, N. Y.



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Harrison Safety Boiler Works ("Cochrane"), 17th & Allegheny av, Philadelphia, Pa.
Hartwell Iron Works, Houston, Tex.
Hawley Down Draft Furnace Co. ("Excelsior"), Chicago, Ill.
Hoppes Mfg. Co., Springfield, O.
Hussey, McCann & Co. (Compound Flue), 87 Warren, New York
Jacobs, Charles & Co. ("Jacobs" Water Tube), 51 Oliver, Boston, Mass.
KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)
Kelley, Benj. F. & Son ("Standard," "Berryman"), 20 Cortlandt, New York
KEWANEE BOILER CO. ("Kewanee," Open Type), Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
Keyes, F. E. & Son, 20 Broad, New York
Knight & Jillson Co. ("Stickle"), Indianapolis, Ind.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Kroeschell Bros. Co. ("Kroeschell," "Bourgeois"), Chicago, Ill.
Learmonth, Robert ("The Buffalo"), Buffalo, N. Y.
Linton Machine Co., 26 Cortlandt, New York
Loew Mfg. Co., Cleveland, O.
McGowan, John H. Co., Cincinnati, O.
Manthey-Sieker Co. ("Crawley" Heater & Purifier), Milwaukee, Wis.
Marion Incline Filter & Heater Co. ("Marion" Heater & Purifier), Marion, O.
MICHELMANN STEEL CONSTRUCTION Co. (Closed), Quincy, Ill. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv. index, & branch offices, end of book)
Moffat Feed Water Heater & Purifier Co., Detroit, Mich.
Multicoil Co., 78 Broad, New York
Murray Iron Works, Burlington, Iowa
Nason Mfg. Co., 71 Beekman, New York
National Pipe Bending Co. ("National"), New Haven, Conn.
Nordberg Mfg. Co. ("The Milwaukee"), 476 Virginia, Milwaukee, Wis.
O'Brien, Jno. Boiler Works Co. ("Weaver"), St. Louis, Mo.
Open Coil Heater & Purifier Co. ("Stickle" Heater & Purifier), Indianapolis, Ind.
Patterson, Frank L. & Co. ("Patterson-Berryman"), 20 Cortlandt, New York
PETROLEUM IRON WORKS CO. ("Lowe"), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Phoenix Iron Works Co. ("Munn"), Meadville, Pa.
Pittsburg Feed Water Heater Co., Pittsburg, Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO. ("Stillwell" Open & Closed), Dayton, O. (See adv. index & branch offices, end of book)
Power Equipment Co. ("Peco"), 1005 Wyandotte, Columbus, O.
Power Plant Specialty Co ("Voter"), 247 S Jefferson, Chicago, Ill.
Pratt, Stephen, Boiler Works ("Keller's"), Detroit, Mich.
Rogers, F. G., Buffalo, N. Y.
Russell Engine Co., Massillon, O.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Sims Co., Erie, Pa.
Springfield Boiler & Mfg. Co., Springfield, Ill.
Standard Machinery Co., Cham. of Com. bldg, Chicago, Ill.
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Steam Appliance Co. ("Triumph"), Milwaukee, Wis.
Stewart Heater Co. (Open & Tubular; also "The Otis"), Buffalo, N. Y.
Tudor Boiler Mfg. Co., Cincinnati, O.
Union Iron Works Co., San Francisco, Cal.
Webster, Warren & Co., Camden, N. J.
Wetherill, Robt. & Co., Chester, Pa.

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Wheeler, C. H. Mfg. Co., Lehigh & N 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Volz" & Multiple Effect), Carteret, N. J.
Whitlock Coil Pipe Co. ("American Standard," Copper Coil), Elmwood, Conn.
Wickes Bros., Saginaw, Mich.
Wildman Bros., 1280 W 12th, Chicago, Ill.

Heaters (Fire Engine & Engine House)

American Fire Engine Co., Seneca Falls, N. Y.

Heaters (Fire Place)

Abendroth Bros., 109 Beekman, New York
Bibb, B. C. Stove Co., 107 Light, Baltimore, Md.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Reading Stove Works, Reading, Pa.
Sexton, S. B. Stove & Mfg. Co., 7 S Gay, Baltimore, Md.
Superior Mfg. Co. (Inc.) (For Natural or Artificial Gas), Pittsburg, Pa.

Heaters (Gas)

(See Stoves & Heaters & Ranges, Gas)

Heaters (Gas, for Tailors' Irons)

Clark, Geo. M., & Co. ("Jewel"), 82 Michigan av, Chicago, Ill.

*Heaters (Gelatine)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

Heaters (Glue)

ADVANCE MACHINERY CO. ("Wetmore" Electric, Gas, Portable, Oil & Steam), Toledo, O. (See adv. index, end of book)
American Electrical Heater Co. (Electric), 123 State, Detroit, Mich.
BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
DAME & TOWNSEND CO. (Steam Jackets), Cliff & Fulton, New York. (See adv. index, end of book)
Dart, E. M. Mfg. Co., Providence, R. I.
Francis, Chas. E. & Co., Rushville, Ind.
Grammes, L. F. & Sons, Allentown, Pa.
HAMMACHER, SCHLEMMER & CO., 183 4th av, N. Y. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Nason Mfg. Co., 71 Beekman, New York
Pancoast, Henry B. & Co. (Steam), 243 S. 3d, Phila., Pa.
Towsley, Jno. T. Mfg. Co. (Steam), Cincinnati, O.
Stuart & Peterson Co. (Steam), Burlington, N. J.
Vulcan Copper Works (Steam), 120 Sycamore, Cincinnati, O.
Weatherly Co. (Steam), Grand Rapids, Mich
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Heaters (Hot Water)

(See Heaters, Steam & Hot Water)

Heaters (Lamp Chimney)

Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill

*Heaters (Locomotive Tire)

MACLEOD, WALTER & CO., 213 E Pearl Cincinnati, O. (See adv. index, end of book)

Heaters (Oil)

(See Stoves & Heaters, Oil)

Heaters or Meal Cookers

Buckeye Iron & Brass Works, Dayton, O.

*Heaters (Paraffine)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

*Heaters (Portable, for Repair Work)

MACLEOD, WALTER & CO. ("Buckeye"), 213 E Pearl, Cincinnati, O. (See adv. index, end of book)

*Heaters (Soldering Iron)

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas Blast), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Heaters (Steam & Hot Water)

Firms that manufacture Hot Water Heaters only are designated thus (Hot Water) between name and address.

(See also Heaters, Steam & Hot Water Trade Names; also Heating Contractors, Steam & Hot Water; also Steam Fitters' Supplies)

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SAN FRANCISCO—Royal Heating Co., 412 4th

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HARTFORD—Whitlock Coil Pipe Co. (Hot Water)
NEW HAVEN—Foskett & Bishop Co.
National Pipe Bending Co. (Hot Water)
NEW LONDON—Hopson & Chapin Mfg. Co. (Hot Water, also Sectional)
NEW MILFORD—Northrup, Jasper A.
NORWICH—McCrum-Howell Co., Main Office
Young, John T., Boiler Co., New York
PUTNAM—Putnam Foundry & Machine Co.
SOUTH NORWALK—Colonial Foundry & Machinery Co.
WILLIMANTIC—Vanderman Mfg. Co.

ILLINOIS.

AURORA—Aurora Boiler Works (Inc.)
CHICAGO—American Radiator Co. ("Ideal"), 282 Michigan av
Clow, Jas. B. & Sons, 342 Franklin
Columbia Heating Co. ("Florence" Boiler, Steam & Hot Water) 125 Monroe
Davis, Jno. Co., 22d & Union
GORTON & LIDGERWOOD CO., Fisher bldg. (See adv. index, end of book)
Herbert Boiler Co., 240 Root
Holland Radiator Co., 38 Dearborn
Illinois Malleable Iron Co., 537 Diversey boul
International Heater Co. (of Utica, N. Y.), 48 Dearborn
Kellogg-Mackay Co., 19 W 18th
KEWANEE BOILER CO., 35 Michigan. (See adv. index, end of book)
Kroeschell Bros. Co. (Steel Plate Greenhouse Boilers), 55 Erie
Mott, J. L. Iron Works, Merchants Loan & Trust bldg
Reynolds, B. F., & Co. (Combination Warm Air & Hot Water), 46 Dearborn av
Wilks, S. Mfg. Co. (Hot Water), 35th c Shields av
GALVA—Hayes Pump & Planter Co. (Hot Water)
Mulford Heater Co.
GIBSON CITY—Gibson Iron Works
JOLIET—Adams Steel & Wire Works (Hot Water)
KEWANEE—KEWANEE BOILER CO. (See adv. index, end of book)
Peters Pump Co.
MOLINE—Barnard & Leas Mfg. Co.
PEORIA—McAleenan Boiler Co.

INDIANA.

ANDERSON—Anderson Foundry & Mach. W'ks
EVANSVILLE—Grote Mfg. Co. (Sectional)
INDIANAPOLIS—Hawkins, Rollyn Co. (Hot Water)
Shirley Radiator & Foundry Co.
SYRACUSE—Advance Radiator Co. (Hot Water)
TERRE HAUTE—Prox, Frank Co.
WARSAW—Maish Mfg. Co.

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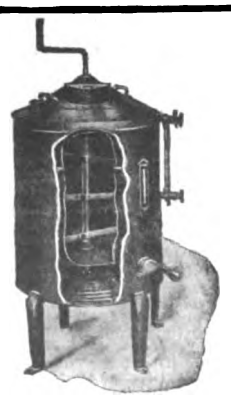
CEDAR RAPIDS—Iowa Radiator Co.
DES MOINES—Des Moines Mfg. & Supply Co.
Turner & Brownlie
MARSHALLTOWN—Shorthill, A. E., Co.
OSKALOOSA—Ideal Heating Co.
Interstate Mfg. Co.
Iowa Mfg. Co.
Seevers Mfg. Co.
RED OAK—Kerrihard Co. (Hot Water)

MAINE.

PORTLAND—Portland Stove Foundry Co. (Hot Water)

MARYLAND.

BALTIMORE—Flynn & Emrich, 222 N Holliday
Greenmount Iron & Mfg. Co., 883 Greenmount av
Sheppard, Isaac A. & Co., Eastern av & Chester
Stevenson & Co. (Hot Water), 601 S Caroline
Wood, W. E. Co., 18 N Howard


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Lord & Burnham Co. (Hot Water), 819 Tremont bldg
Magee Furnace Co., 32 Union
Mott, J. L. Iron Works, 41 Pearl
Pierce, Butler & Pierce Mfg. Co., 61 High
Smith & Anthony Co., 52 Union
Smith & Thayer Co. ("Winchester," "Ajax" & "Dragon," Steam & Hot Water), 236 Congress
Thayer Heater Co., 91 Pearl
Walworth Construction & Supply Co., 100
Walker & Pratt Mfg. Co., 33 Union
White, Chas. H. & Co. (Hot Water), 22 Pearl
Bowker
GARDNER—Royal Steam Heater Co.
METHUEN—Sanborn Furnace Co.
TAUNTON—Dighton Furnace Co.
Weir Stove Co.
White-Warner Co.
WATERTOWN—Walker & Pratt Mfg. Co.
WESTFIELD—Smith, H. B. Co.
WORCESTER—Allen, Wm., Sons Co.
Brunnelle, F. X. Mfg. Co.
Stewart, C., & Son

MICHIGAN.

DETROIT—Brennan, John & Co.
Detroit Heating & Lighting Co. (Hot Water, Bolton Hot Water Heater), Wight
Peninsular Stove Co. nr Leib
Smith, Peter Heater Co., 328 Rivard
U. S. Heater Co., 251 Campbell av
GRAND RAPIDS—Rapid Heater Co.
Vulcan Foundry Co. (Hot Water)
JACKSON—Keeley, James J.
KALAMAZOO—Humphrey Co. (Hot Water)
MONROE—Monroe Foundry & Furnace Co. (Steam & Hot Water)
Practical Heater Co. ("Practical" Steam Heater & Ventilator)
SAGINAW—Eureka Heating & Ventilating Co. (C. W. Light, Prop.) ("Eureka")

MINNESOTA.

HOPKINS—Moran Boiler Co.
MINNEAPOLIS—Andrews Heating Co. ("Andrews" Steel)
Kellogg-Mackay Co., 100 2d, S
ST. PAUL—South Park Foundry & Machine Co. (Hot Water), Gilfillan blk.

MISSOURI.

KANSAS CITY—Prest Heating & Foundry Co.
ST. LOUIS—Haynes-Langenberg Mfg. Co., 4057 Forest Park boul
Sodeman Heat & Power Co., 1512 Clark av

NEW HAMPSHIRE.

EXETER—Exeter Machine Works

NEW JERSEY.

BARTLEY—Bartley, R. C., Co.
Bartley, Wm. & Son
BRIDGETON—Cox & Sons Co.
DOVER—Dover Boiler Works
GARWOOD—Enterprise Foundry Co.
JERSEY CITY—Weathered Co. ("Weathered" Sectional), Orient & West End avs
NEWARK—Drake, W. H., 36 Clinton
Thatcher Furnace Co., 36 St. Francis
NEW BRUNSWICK—Prospect Boiler Co.
PATERSON—Columbia Heater Co.

NEW YORK.

ALBANY—Bates, Edw. P. (of Syracuse, N. Y.)
BUFFALO—Buffalo Radiator Co.
ELMIRA—Elmira Heater & Foundry Co.
GENEVA—Catchpole Boiler Foundry & Machine Co.
Herendeen Mfg. Co. ("Furman")
New York Central Iron Works Co.
Vance Boiler Works
IRVINGTON—Lord & Burnham Co. (Hot Water)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Boys System Co., 918 Gates av
Scollay, Jno. A., 74 Myrtle av

Boroughs of Manhattan & Bronx.

NEW YORK—Abendroth Bros., 109 Beekman
Baker, Smith & Co., 83 W Houston
Barstow Stove Co. (Hot Water) (of Providence, R. I.), 210 Water
Boynton Furnace Co., 207 Water
DONEGAN & SWIFT ("Swift"), 6 Murray. (See adv. index, end of book)
Fuller & Warren Co. (of Troy, N. Y.), 1 Madison av & 256 Water
GORTON & LIDGERWOOD CO., 96 Liberty. (See adv. index, end of book)
Herendeen Mfg. Co. (of Geneva, N. Y.) 296 Pearl
Hitchings & Co. (Hot Water), 1170 B'way
International Heater Co. (of Utica, N. Y.), 1 Madison av
Johnson & Co., 104 John
Lord & Burnham Co. (Hot Water), 1133 B'way
McCrum-Howell Co., 46 E 20th
Model Heating Co., 76 Centre
Mott, J. L. Iron Works, 118 5th av
Nason Mfg. Co., 71 Beekman
New York Central Iron Works Co. (of Geneva, N. Y.), 150 Nassau
Page, Wm. H. Boiler Co., 15 Murray
Pierce, Butler & Pierce Mfg. Co. (of Syracuse, N. Y.), 254 4th av
Richardson & Boynton Co., 234 Water
Rutzler, E. Co., 127 White
Sheppard, Isaac A. & Co. (of Phila., Pa.), 220 Water
Smith, H. B. Co. (of Westfield, Mass.), 39 E Houston
Thatcher Furnace Co., 110 Beekman
United States Heater Co. (of Detroit, Mich.), 129 Worth

(End of New York City)

NORTH TONAWANDA—Niagara Radiator & Boiler Co. (Cast Iron Boilers)
OLEAN—Luther Mfg. Co.
ONEIDA—Warner Safety Boiler Co.
PULASKI—Olmstead, A. E.
ROCHESTER—Co-operative Foundry Co.
Electric Boiler Co. (Hot Water)
SYRACUSE—Bates, Edw. P.
Pierce, Butler & Pierce Mfg. Co. (Modern Improved)
TROY—Aird-Don Co.
Fuller & Warren Co.
Mahony Heating, Ventilating & Blower Co.
Pinkerton, Robert, Green Island
UTICA—Giblin & Co.
Hart & Crouse Co.
International Heater Co.
Utica Heater Co.

OHIO.

AKRON—Prudential Heating Co. ("Prudential")
XXth Century Heating & Ventilating Co. ("XXth Century")
CANTON—McLain, J. H. Co.
Novelty Iron Co.
CINCINNATI—Peck-Hammond Co., 124 E Pearl
U. S. Heating & Plumbing Co., 744 W Court
CLEVELAND—Connelly, D. Boiler Co.
DAYTON—Concord Mfg. Co.
Cooper Heater Co.
Craig-Reynolds Foundry Co.
MARTINS FERRY—Stanton Heater Co.
NORWALK—Star Heating Co. (H. K. Ernsberger, Prop.)
TOLEDO—National Supply Co.
WELLSVILLE—Whitacre, E. G., Boiler Co.
WOOSTER—McClure Co. ("Marshall," "McClure")

PENNSYLVANIA.

ALLENTOWN—Calorific Heater Co. ("Calorific," also Sectional)
COATESVILLE—Coatesville Boiler Works
COLLEGEVILLE—Freed Heater Co.
EASTON—Norton, H. M.
ERIE—Sims Co. (Hot Water)
HANOVER—Davidson Heating & Const. Co.
HARRISBURG—Harrisburg Mfg. & Boiler Co.
LANDISVILLE—Monitor Steam Generator Mfg. Co. ("Monitor" Wrought Iron Coil Boilers, Low Pressure, Steam or Vapor & Hot Water)
LANSDALE—Heebner & Sons
MIDDLETOWN—Raymond Mfg. Co.
MORRISTOWN—Gibbons, W. I. (Steam & Hot Water)
PHILADELPHIA—Cox & Sons Co., 215 Race
Earley, Wm. (Portable Hot Water & Air & Hot Air & Steam), 1216 Ridge av
Kane, Wm. Mfg. Co., 1915 Adams

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GORTON & LIDGERWOOD CO., 96 Liberty St., NEW YORK CITY

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Mersbon Patent Shaking Grate Co., 1203
Model Heating Co., 142 N 10th Filbert
Mott, J. L. Iron Works, Commonwealth Trust bldg
Pierce, Butler & Pierce Mfg. Co., 936 Arch
Sheppard, Isaac A. & Co., 1801 N 4th
Vapor Heating Co. ("Broomell's" Vapor System), North American bldg
Wood, Jas. P. Heating Co., 39 S 4th
PITTSBURG—American Radiator Co. ("Ideal")
Pittsburg Water Heater Co.
Ruud Mfg. Co. (Hot Water), 29th & Smallman
SCAIFE, WM. B. & SONS CO., 221
1st av. (See adv. index, end of book)
POTTSTOWN—Sotter Bros.
READING—Prizer-Painter Stove & Heater Co
Reading Radiator Co.
Reading Stove Works ("Sunshine" Steam & Hot Water)
SCRANTON—Spencer Heater Co. ("Spencer")
TATAMY—Messenger Mfg. Co.
TYRONE—Burley Heater Co.
UNIONTOWN—McCrum-Howell Co., Main Office, New York
WEST NEWTON—United States Radiator & Boiler Co.
WILLIAMSPORT—**KEELER, E. CO.** (See adv. index, end of book)
Williamsport Radiator Co.
YORK—Bromell, Schmidt, Steacy & Co. (Inc.)

RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co.
Barstow Stove Co. (Hot Water)

TENNESSEE.

CHATTANOOGA—Casey-Hodges Co. (Low Pressure Boilers)

VERMONT.

NORTH BENNINGTON—Simmons, H. C.

VIRGINIA.

RICHMOND—Coppridge Heater Corp'n

WASHINGTON.

SEATTLE—Kellogg-Mackay Co.

WISCONSIN.

DE PERE—Lyon Boiler & Iron Works (Steel
GREEN BAY—Burns Boiler Co. Boilers)
MILWAUKEE—Fuller-Warren Co., 32d c Wright
Mueller, L. J. Furnace Co.
Schwab, R. J. & Sons Co.
SHEBOYGAN—Optenberg Iron Works Co.

Heaters (Steam & Hot Water, Trade Names)

(For address of firms consult Heaters, Steam & Hot Water)

(Heaters used for hot water solely are so designated)

"ACME"—Hot Water & Steam—American Radiator Co., Chicago, Ill.
"ACME"—Wm. Bartley & Son, Bartley, N. J.
"ADMIRAL"—Hot Water & Steam—Boynton Furnace Co., New York
"ADVANCE"—Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"ADVANCE"—Steam & Hot Water—Advance Radiator Co., Syracuse, Ind.
"AJAX"—Smith & Thayer Co., Boston, Mass.
"ALLEN"—Wm. Allen & Sons, Worcester, Mass.
"ALL RIGHT"—Wm. H. Page Boiler Co., New York
"AMERICAN"—Kellogg-Mackay Co., Chicago, Ill.
"AMERICAN" — Hot Water — Whitlock Coil Pipe Co., Hartford, Conn.
"AMERICAN"—Steam—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"AMHERST"—Hot Water—McLain, J. H. Co., Canton, O.
"ANDREWS"—Hot Water—Andrews Heating Co., Minneapolis, Minn.
"ANDRUS"—Hot Water—Abendroth Bros. New York
"ANNAPOLIS"—Steam—J. H. McLain Co., Canton, O.
"ARGAND"—Colonial Fdy. & Machinery Co., South Norwalk, Conn.
"AUBURN"—Steam—Utica Heater Co., Utica, N. Y.
"BAKER, SMITH & CO.'S"—Baker, Smith & Co., New York
"BARNARD"—Hot Water—Barnard & Leas Mfg. Co., Moline, Ill.
"BATES"—Edw. P. Bates, Syracuse, N. Y.
"BAY STATE"—Hot Water & Steam—Barstow Stove Co., Providence, R. I.
"BERMUDA"—Hot Water—Co-Operative Foundry Co., Rochester, N. Y.
"BERNHARD"—Steam & Hot Water—Enterprise Foundry Co., Garwood, N. J.
"BLAST"—J. H. McLain Co., Canton, O.
"BOLTON"—Hot Water—Detroit Heating & Lighting Co., Detroit, Mich.
"BOLTON, G. & J. B. IMPROVED"—Foskett & Bishop Co., New Haven, Conn.
"BOYNTON"—(Steam & Hot Water)—Boynton Furnace Co., New York
"BRIGHT IDEA"—Gurney Heater Mfg. Co., Boston, Mass
"BROOMELL'S"—Vapor System—Vapor Heating Co., Phila., Pa
"BRUNELLE"—F. X. Brunelle, Worcester, Mass.
"BUFFALO"—Steam & Hot Water—Buffalo Raidiator Co., Buffalo, N. Y.
"BURLEY"—Burley Heater Co., Tyrone, Pa.
"BURNHAM"—Lord & Burnham Co., New York
"BURNHAM"—Steam & Hot Water—John Davis Co., Chicago, Ill.
"CALORIC"—Hopson & Chapin Mfg. Co., New London, Conn
"CALORIFIC"—Steam & Hot Water, also Sectional—Calorific Heater Co., Allentown, Pa.
"CAMBRIDGE"—Steam—J. H. McLain Co., Canton, O.
"CAPITAL"—Broomell's Patented Vapor System—Vapor Steam Heating Co., Phila., Pa.
"CAPITOL"—Hot Water—U. S. Heater Co., Detroit, Mich
"CARTON"—International Heater Co., Utica, N. Y
"CATCHPOLE"—Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
"CENTURY"—Steam & Hot Water—Kewanee Boiler Co., Kewanee, Ill.
"CHAMPION"—Thatcher Furnace Co., New York
"CHARMER"—Freed Heater Co., Collegeville, Pa.
"COLUMBIA"—"Hennings"—Hot Water—Columbia Heater Co., Paterson, N. J.
"COLUMBIA"—Hot Water—McLain, J. H. Co., Canton, O.
"COLUMBIA"—Vance Boiler Works, Geneva, N. Y.
"COLUMBIA IMPROVED"—Hot Water—South Park Foundry & Machine Co., St. Paul, Minn.
"COMFORT"—Steam & Hot Water—Thatcher Furnace Co., Newark, N. J
"COMMONWEALTH"—Hot Water—Walker & Pratt Mfg. Co., Boston, Mass.
"COPPRIDGE"—Hot Water—Coppridge Heaters Corp'n, Richmond, Va.
"CORNELL"—Steam—J. H. McLain Co., Canton, O.
"COTTAGE"—H. B. Smith Co., Westfield, Mass.
"CRAIG"—Steam & Hot Water—Williamsport Radiator Co., Williamsport, Pa.
"CRAWFORD"—Steam & Hot Water—Walker & Pratt Mfg. Co., Boston, Mass
"CRESCENT"—Gibby Foundry Co., Boston, Mass.
"CROWN GEM"—Johnson & Co., New York
"DACK"—Hot Water—Hayes Pump & Planter Co., Galva, Ill.
"DARTMOUTH"—Steam—J. H. McLain Co., Canton, O
"DEFENDER"—Steam & Hot Water—Kewanee Boiler Co., Kewanee, Ill.
"DEFIANCE"—Gurney Heater Mfg. Co., Boston, Mass
"DELTA"—Steam & Hot Water—Concord Mfg. Co., Dayton, O.
"D. H. L."—Detroit Heating & Lighting Co., Detroit, Mich
"DORIC"—Gurney Heater Mfg. Co., Boston Mass.
"DOUBLE CROWN"—Hot Water—Gurney Heater Mfg. Co., Boston, Mass
"DRAGON"—Smith & Thayer Co., Boston Mass
"DUNNING CLUB"—New York Central Iron Works Co., Geneva, N. Y
"DUPLEX CROWN"—U. S. Heating & Plbg. Co., Cincinnati, O.
"EARLEY"—Earley, Wm., Phila., Pa.
"ECLIPSE"—John Davis Co., Chicago, Ill.
"ECLIPSE"—Steam—Lyons Boiler Works, De Pere, Wis
"ECONOMIC"—Prox, Frank Co., Terre Haute, Ind
"ECONOMY"—International Heater Co., Utica, N. Y
"ECONOMY"—Steam—Menominee Falls Boiler Works, Menominee Falls, Wis.
"888 COLUMBIAN"—Warner Safety Boiler Co., Nneida, N. Y.
"888 MAMMOTH"—Warner Safety Boiler Co., Oneida, N. Y.
"ELECTRIC"—Hot Water—Electric Boiler Co., Rochester, N. Y.
"EMPIRE—Steam & Hot Water—Thatcher Furnace Co., New York
"EQUATOR"—Walworth Construction & Supply Co., Boston, Mass.
"EQUATOR"—Nason Mfg. Co., New York
"EQUATOR"—Spencer Heater Co., Scranton, Pa.
"EUREKA"—Eureka Heating & Ventilating Co. (C. W. Light, Prop.), Saginaw, Mich.
"EXETER"—Exeter Machine Works, Boston, Mass.
"FLORAL"—Monroe Foundry & Furnace Co., Monroe, Mich.
"FLORENCE"—Columbia Heating Co., Chicago, Ill.
"FLORIDA"—Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"FLORIDA"—Kellogg-Mackay Co., Chicago, Illinois
"FLORIDA IMPROVED—Steam—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"400 SERIES"—Gurney Heater Mfg. Co., Boston, Mass.
"F.-W. CO."—Fuller-Warren Co., Milwaukee, Wis.
"FREED"—Hot Water—Freed Heater Co., Collegeville, Pa.
"FURMAN, JR."—Herendeen Mfg. Co., Geneva, N. Y.
"GALVA"—Hot Water—Mulford Heater Co., Galva, Ill.
"GEM"—Hot Water—Abendroth Bros., New York
"GEM"—Johnson & Co., New York
"GEM TORRID"—W. H. Drake, Newark, N. J.
"GIANT TORRID"—W. H. Drake, Newark, N. J.
"GOLD SECTIONAL"—H. B. Smith & Co., Westfield, Mass.
"GORTON"—Gorton & Lidgerwood Co., New York
"GOTHIC"—Gurney Heater Mfg. Co., Boston, Mass.
"GREAT NORTHERN"—Hot Water & Steam—Kewanee Boiler Co., Kewanee, Ill.
"GREAT WESTERN"—Shorthill, A. E. Co., Marshalltown, Iowa
"GROTE"—Sectional—Grote Mfg. Co., Evansville, Ind.
"GULF STREAM"—Hot Water—Nason Mfg. Co., New York
"GUNTHER'S" — Steam & Hot Water—Peter's Pump Co., Kewanee, Ill.
"GURNEY"—Gurney Heater Mfg. Co., Boston, Mass.
"HARVARD"—Hot Water—J. H. McLain Co., Canton, O.
"HAWKEYE OVAL"—Hot Water & Steam—Iowa Mfg. Co., Oscaloosa, Iowa
"HAXTUN"—Steam & Hot Water—Kewanee Boiler Co., Kewanee, Ill.
"HECLA"—U. S. Heater Co., Detroit, Mich.
"HENDERSON ORBIS" — Prizer-Painter Stove & Heater Co., Reading, Pa.
"HENDERSON - THERMO" — Prizer-Painter Stove & Heater Co., Reading, Pa.
"HERBERT"—Herbert Boiler Co., Chicago, Illinois
"HOLLAND"—Hot Water—Holland Radiator Co., Chicago, Ill.
"HOMESTEAD" — Steam & Hot Water—Smith, H. B., Co., Westfield, Mass.
"HOPSON"—Hopson & Chapin Mfg. Co., New London, Conn.
"HORNET"—Steam & Hot Water—W. H. Page Boiler Co., New York
"HOWARD"—International Heater Co., Utica, N. Y.
"HUB"—Smith & Anthony Co., Boston, Mass.
"HUMBER"—Hot Water—J. H. McLain Co., Canton, O.
"HUNTER'S"—Jas. Hunter, Albany, N. Y.
"HY DUTY ECONOMIC"—Steam & Hot Water—Franz Prox Co., Terre Haute, Ind.
"IDEAL"—Steam & Hot Water—American Radiator Co., Chicago, Ill.
"ILLINOIS"—Tank—Illinois Malleable Iron Co., Chicago, Ill.
"IMICO"—Steam & Hot Water—Illinois Malleable Iron Co., Chicago, Ill.
"IMPERIAL"—Steam & Hot Water—Messinger Mfg. Co., Tatamy, Pa.
"IMPERIAL"—Utica Heater Co., Utica, N. Y.
"IMPERIAL SUNSHINE"—Steam & Hot Water—Reading Stove Works, Reading, Pa.
"IMPROVED GIANT"—Steam & Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.

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"INTERNATIONAL" — International Heater Co., Utica, N. Y.
"INTERNATIONAL"—Luther Mfg. Co., Olean, N. Y.
"INVINCIBLE"—Steam—Lyons Boiler Works, De Pere, Wis.
"INVINCIBLE"—John A. Scollay, (Est. of), Brooklyn, N. Y.
"IOWA"—Steam & Hot Water—Seevers Mfg. Co., Oskaloosa, Ia.
"JACKET"—Gurney Heater Mfg. Co., Boston, Mass.
"JUNIOR" — Steam — Herbert Boiler Co., Chicago, Ill.
"KERNAN"—International Heater Co., Utica, N. Y.
"KEWANEE"—Steam & Hot Water—Kewanee Boiler Co., Kewanee, Ill.
"KEWANEE FIRE BOX" — Steam & Hot Water—Kewanee Boiler Co., Kewanee, Ill.
"KEYSTONE"—Broomell, Schmidt & Co., Ltd., York, Pa.
"KLYMAX"—Steam & Hot Water—Kellogg-Mackay Co., Chicago, Ill.
"LACKAWANNA"—Spencer Heater Co., Scranton, Pa.
"LANSDALE"—Heebner & Sons, Lansdale, Pa.
"LEADER"—Hot Water—Putnam Foundry & Machine Co., Putnam, Conn.
"LEHIGH"—Steam—McLain, J. H. Co., Canton, O.
"LITTLE GIANT"—Giblin & Co., Utica, N. Y.
"LITTLE GIANT"—Kellogg-Mackay Co., Chicago, Ill.
"LITTLE GIANT"—Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"LORD & BURNHAM"—Hot Water—Lord & Burnham Co., Irvington, N. Y.
"MAGEE"—Magee Furnace Co., Boston, Mass.
"MAHONY"—Mahony Htg., Vent. & Blower Co., Troy, N. Y.
"MASCOT"—U. S. Heater Co., Detroit, Mich.
"MAJESTIC SUNSHINE"—Steam & Hot Water—Reading Stove Works, Reading, Pa.
"MARVEL"—Interstate Mfg. Co., Oskaloosa, Iowa
"MENLO"—Steam & Hot Water—H. B. Smith Co., Westfield, Mass.
"MERCER"—H. B. Smith Co., Westfield, Mass.
"MERSHON"—Steam & Hot Water—Mershon Patent Shaking Grate Works, Phila., Pa.
"MILLS"—H. B. Smith Co., Westfield, Mass.
"MILTON"—Steam & Hot Water—Freed Heater Co., Collegeville, Pa.
"MODEL"—Kellogg-Mackay Co., Chicago, Ill.
"MODEL"—Steam—Model Heating Co., Phila., Pa.
"MODERN IMPROVER"—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"MONARCH"—Hot Water—McAleenan Boiler Co., Peoria, Ill.
"MONARCH"—Steam & Hot Water—W. H. Page Boiler Co., New York
"MONARCH SUNSHINE"—Reading Stove Works, Reading Pa.
"MONITOR"—Monitor Steam Generator Mfg. Co., Landisville, Pa.
"MONOGRAM"—Hot Water Heaters—Hopson & Chapin Mfg. Co., New London, Conn.
"MORAN"—Moran Boiler Co., Hopkins, Minn.
"MULFORD"—Mulford Heater Co., Galva, Ill.
"NATIONAL" — Hot Water — National Pipe Bending Co., New Haven, Conn.
"NEW COLUMBIA"—Steam & Hot Water—South Park Fdy. & Mach. Co., St. Paul, Minn.
"NEW DEPARTURE"—Elmira Heater & Foundry Co., Elmira, N. Y.
"NEW ERA"—Steam & Hot Water—Spencer Heater Co., Scranton, Pa.
"NEW LIFE"—Des Moines Mfg. & Supply Co., Des Moines, Ia.
"NEW NATIONAL"—Steam & Hot Water—National Supply Co., Toledo, O.
"900 SERIES"—Gurney Heater Mfg. Co., Boston, Mass.
"999 COLUMBIAN"—Steam & Hot Water—Warner Safety Boiler Co., Oneida, N. Y.
"999 MAMMOTH"—Steam & Hot Water—Warner Safety Boiler Co., Oneida, N. Y.
"NONPAREIL"—E. Rutzler Co., New York
"NORTON"—Sectional—Steam & Hot Water. H. M. Norton, Easton, Pa.
"NORWICH"—Young, John T., Boiler Co., Norwich, Conn.
"NOVELTY"—Hot Water—Model Heating Co., Phila., Pa.
"O. K."—H. B. Smith Co., Westfield, Mass.
"OHIO"—Hot Water—McLain, J. H. Co., Canton, O.
"ONTARIO"—Kellogg-Mackay Co., Chicago, Illinois
"ONTARIO"—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"OUR FAVORITE"—R. C. Bartley Co., Bartley, N. J.
"OUR OWN"—Hot Water—Broomell, Schmidt Steacy & Co., York, Pa.
"OUR OWN"—Steam & Hot Water—Novelty Iron Co., Canton, O
"OXFORD"—Steam—J. H. McLain Co., Canton, O.
"PAGE SECTIONAL"—W. H. Page Boiler Co. New York
"PALACE KING"—International Heater Co., Utica, N. Y.
"PALACE QUEEN"—International Heater Co., Utica, N. Y.
"PARAGON"—Isaac A. Sheppard & Co., 1801 Philadelphia, Pa.
"PATRIOT"—Boynton Furnace Co., New York
"PEASE ECONOMY"—International Heater Co., Utica, N. Y.
"PENINSULAR" — Hot Water — Peninsula Stove Co., Detroit, Mich.
"PENTECOST"—Allen Fire Dept. Supply Co., Providence, R. I.
"PEQUOT"—Hopson & Chapin Mfg. Co., New London, Conn.
"PERFECT"—Kellogg-Mackay Co., Chicago, Illinois
"PERFECT"—Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"PERFECT GEM"—Abendroth Bros, New York
"PHELPS' IDEAL"—Ideal Heating Co., Oskaloosa, Ia.
"PROGRESS"—Steam & Hot Water—Hhatcher Furnace Co., New York
"PLUMMER"—Putnam Foundry & Machine Co., Putnam, Conn.
"POSITIVE—Hot Water—Monitor Steam Generator Mfg. Co., Phila., Pa.
"PRINCETON"—Hot Water—J. H. McLain Co., Canton, O.
"PRUDENTIAL"—Steam & Hot Water—Prudential Heating Co., Akron, O.
"RADI CIRCULATOR"—Warner Safety Boiler Co., Oneida, N. Y.
"RADIUM"—Prox, Frank Co., Terre Haute, Ind
"RAPID"—Rapid Heater Co., Grand Rapids, Mich.
"RICHARDSON"—Richardson & Boynton Co., New York
"RICHMOND"—Steam & Hot Water—McCrum-Howell Co., New York
"ROBERTS"—Freed Heater Co.., Collegeville, Pa.
"ROSSMORE"—Steam & Hot Water—Thatcher Furnace Co., New York
"ROYAL"—Hart & Crouse Co., Utica, N. Y.
"ROYAL"—Royal Steam Heater Co., Gardner, Mass.
"ROYAL TORRID"—W. H. Drake, Newark, N. J.
"ROYS"—W. E. Roys, Brooklyn, N. Y.
"RUGBY"—J. H. McLain Co., Canton, O.
"SANBORN"—Steam and Hot Water—Sanborn Furnace Co., Methuen, Mass.
"SANDOW"—Hot Water—J. H. McLain Co., Canton, O.
"SCIENTIFIC COTTAGE"—Hot Water—Warner Safety Boiler Co., Oneida, N. Y.
"SCOLLAY"—John A. Scollay (Est. of), Brooklyn, N. Y.
"SEEVERS"—Seevers Mfg. Co., Oskaloosa, Ia.
"SMOKELESS WONDER"—Steam & Hot Water—Ideal Heating Co., Oskaloosa, Ia.
"SHIRLEY"—Steam & Hot Water—Shirley Radiator & Foundry Co., Indianapolis, Ind.
"666 COLUMBIAN"—Warner Safety Boiler Co., Oneida, N. Y.
"SOLEIL"—Steam & Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"SOTTER'S"—Sotter Bros., Pottstown, Pa.
"SPENCE"—Hot Water—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y
"SPENCE"—Kellogg-Mackay Co., Chicago, Ill
"SPENCER"—Steam & Hot Water—Spencer Heater Co., Scranton, Pa.
"STANDARD"—Giblin & Co., Utica, N. Y.
"STAR"—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
"STAR"—Hot Water—Star Heating Co., Norwalk, O.
"STAR" (Gas Burner)—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
"STERLING"—Hot Water—Thatcher Furnace Co., New York
"SUCKER"—Hot Water—Bollyn Hawkins Co., Indianapolis, Ind.
"SUN"—Raymond Mfg. Co., Middletown, Pa.
"SUN"—Steam & Hot Water—U. S. Radiator & Boiler Co., West Newton, Pa.
"SUNRAY"—J. L. Mott Iron Works, New York
"SUNSHINE"—Priser-Painter Stove & Heater Co., Reading, Pa.
"SUNSHINE"—Iowa Mfg. Co., Oskaloosa, Ia.
"SUPERIOR"—Utica Heater Co., Utica, N. Y.
"SWIFT"—Steam & Hot Water—Donegan & Swift, New York
"TABASCO"—Water—Kewanee Boiler Co., Kewanee, Ill.
"THATCHER"—Sectional Steam & Hot Water—Thatcher Furnace Co., New York
"THAYER"—Gibby Foundry Co., Boston, Mass
"THE LIFE"—Des Moines Mfg. & Supply Co., Des Moines, Ia.
"TIP-TOP"—Thayer Heater Co., Boston, Mass
"TORRID"—W. H. Drake, Newark, N. J.
"TOURAINE"—Kellogg-Mackay Co., Chicago, Ill.
"TOURAINE"—Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"TRINITY"—Hot Water—McLain, J. H. Co., Canton, O.
"TRIUMPH"—Hot Water—Orr, Painter & Co., Reading, Pa.
"TRIUMPH SERIES"—Steam & Hot Water—Craig-Reynolds Foundry Co., Dayton, O.
"TROPIC"—Kellogg-Mackay Co., Chicago, Ill.
"TROPIC" — Hot Water — Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
"TROJAN"—Steam & Hot Water—Aird-Don Co., Troy, N. Y.
"TUBULAR"—J. H. McLain Co., Canton, O.
"XXTH CENTURY"—Steam & Hot Water—XXth Century Heating & Ventilating Co., Akron, O.
"VANCE"—Boiler Works, Geneva, N. Y.
"VANDERMAN"—Vanderman Mfg. Co., Willimantic, Conn.
"VASSAR"—J. H. McLain Co., Canton, O.
"VESTAL SUNSHINE"—Reading Stove Works, Reading, Pa.
"VOLCANO"—Water Tube—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
"VOLUNTEER"—Wm. H. Page Boiler Co., New York
"WALKER"—Steam & Hot Water—Walker & Pratt Mfg. Co., Boston, Mass.
"WEATHERED" — Hot Water — Weathered Co., Jersey City, N. J.
"WEST POINT"—J. H. McLain Co., Canton, O.
"WILKS"—S. Wilks Mfg. Co., Chicago, Ill.
"WINCHESTER"—Steam & Hot Water—Smith & Thayer Co., Boston, Mass.
"WINCHESTER"—Smith & Thayer Co., Boston, Mass.
"WINTHROP"—Hot Water—Dighton Furnace Co., Taunton, Mass.
"X. L."—H. B. Smith Co., Westfield, Mass.
"YALE"—Hot Water—J. H. McLain Co., Canton, O.
"ZENITH"—Coatesville Boiler Works, Coatesville, Pa.

Heaters (Sterilizing, Electric)

Electro Dental Mfg. Co., 1228 Cherry, Phila.
Rolfe Electric Co., Rochester, N. Y. Pa.

Heaters (Tank)

Beler Water Heater Co. ("Beler"), Pittsburg, Pa.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Cone. R. D. Co., Winona, Minn.
FAIRBANKS, MORSE & CO. (Galvanized Steel), Wabash av & Eldredge pl, Chicago, Ill. ((See adv. index & branch offices, end of book)
Gale Mfg. Co., Albion, Mich.
Hunt, Heim, Ferris & Co. ("Star," "Red Hot," "Standard," "Harvard," "Cracker Jack," "Perfection," "Black Jack" & "Iron King"), Harvard, Ill.
International Heater Co., Utica, N. Y.
Kelly Foundry & Machine Co., Goshen, Ind.
Kelly Mfg. Co., Waterloo, Iowa
Kewanee Boiler Co, Kewanee, Ill., & 169 E Lake, Chicago, Ill.
McCrum-Howell Co. ("Richmond"), 103 Park av, New York
Miller, Wm., Range & Furnace Co., Cincinnati, O.
Mott, J. L. Iron Works ("Sunray"), 5th av & 17th, New York
National Steel Tank Co., Niles, Mich.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Novelty Iron Co., Canton, Ohio.
Pittsburg Steel Tank Co. ("Sun"), Pittsburgh, Pa.
Pittsburg Water Heater Co. ("Lion"), 1300 River av, N. S., Pittsburg, Pa.
Red Cross Mfg. Co., Bluffton, Ind.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Thornburgh Mfg. Co. (Cast Iron), Bowling Green, O.

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Heaters (Tar)

(See Heaters, Asphalt, Pitch & Tar)

Heaters (Tire)

(See Furnaces, Tire Heating)

Heaters (Tuyere Iron)

Gogel Mfg. Co. (Gas, Gasoline or Oil), Toledo, O.
Hoosier Forge Co. ("Vulcan"), Connersville, Ind.

Heaters (Water, Automatic)

American District Steam Co. (Automatic, for Heating Water Direct from Steam Lines), Lockport, N. Y.
Anderson-McCutchen Co. ("Anderson"), Peekskill, N. Y.
Beilman, W. E. ("Seamans"), Buffalo, N. Y.
Gilbert & Barker Mfg. Co. ("Springfield" Coil Gas), Springfield, Mass.
Gordon, A. D. ("Duplex," for Domestic Use), Buffalo, N. Y.
Hammond-Hamberger Co. ("Niagara" Automatic), Silver Creek, N. Y.
Hayden & Derby Mfg. Co. ("H. D." Noiseless for Heating Liquids by Direct Steam), 85 Liberty, New York
Pittsburg Water Heater Co., Pittsburg, Pa.
Pompeian Mfg. Co. ("Perfection"), Cleveland, O.
Ruud Mfg. Co. (Gas), 29th & Smallman, Pittsburg, Pa.
Standard Heater Co., Power bldg, Pittsburg, Pa.
Wood, John Mfg. Co. ("Electric Weld," Gas), Conshohocken, Pa.

Heaters (Water, Bath or Tank)

Abendroth Bros ("York," "Little Gem"), 109 Beekman, New York
Adams Steel & Wire Works, Joliet, Ill.
American Radiator Co. ("Ideal" Tank Heater), 282 Michigan av, Chicago, Ill.
American Stove Co. ("Jewell," "Reliable" and "Monarch"), St. Louis, Mo., & 72 Lake, Chicago, Ill.
Augmore Mfg. Co., Cleveland, O.
Beilman, W. E. ("Seamans" Automatic), Buffalo, N. Y.
Challenge Mfg. Co., S Norwalk, Conn.
Clark, Geo. M. & Co., 72 Lake, Chicago, Ill.
Crane, Wm. M. Co. ("Unique" and "Vulcan"), 1133 Broadway, New York
Dayton Supply Co. ("Dayton Ohio," Instantaneous), Dayton, O.
Detroit Stove Works ("Paragon" Tank), Detroit, Mich.
Eclipse Gas Stove Co. (Gas), Rockford, Ill.
Eynon-Evans Mfg. Co. ("Noiseless"), 1519 Clearfield, Phila., Pa.
Federal-Huber Co. ("Gegenstrom"), Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Fuller & Warren Co., Troy, N. Y.
Gilbert & Barker Mfg. Co. (Springfield, Coil Gas), Springfield, Mass.
GORTON & LIDGERWOOD CO, 96 Liberty, New York, & Fisher bldg., Chicago, Ill. (See adv. index, end of book)
Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
Haberling, Chas. ("Columbian"), Columbus, O.
Hitchings & Co. (Bath Heaters), 1170 B'way, New York
Hoffman Heater Co. (Gas), Lorain, O.
Hollands Mfg. Co., Erie, Pa.
Homestead Heater & Mfg. Co. ("Homestead"), Homestead, Pa.
Humphrey Co. (Gas, Instantaneous), Kalamazoo, Mich.
Ideal Mfg. Co., Detroit, Mich.
Illinois Malleable Iron Co. ("Illinois" Tank), 515 Diversey boul, Chicago, Ill.
Instantaneous Water Heating Co. (Instantaneous, "Douglas," "Acme" & "Flush"), 155 S Jefferson, Chicago, Ill.
Iron Clad Mfg. Co. (Gas & Gasoline), 204 Varet, Brooklyn, N. Y.
Kenwood Automatic Water Heater Co., Milwaukee, Wis.
KEWANEE BOILER CO. ("Tobasco"), Kewanee, Ill., & 35 Michigan av., Chicago, Ill. (See adv. index, end of book)
Knight & Jillson Co. ("Holden," Coal and Gas), Indianapolis, Ind.
Large, W. H. & Co. ("Success," "Jaxon," "Mascott," Gas & Gasoline), Detroit, Mich.
Lawson Mfg. Co. (Gas), Homested, Pa.
Lord & Burnham Co. (Bath Heaters), New York
McDowell Mfg. Co. ("Gable"), 541 Wood, Pittsburg, Pa.
Milwaukee Gas Stove Co. ("Perfection," Gas), Milwaukee, Wis.
Monarch Water Heater Co. ("Instantaneous"), 1842 River av, Allegheny, Pa.
Mott, J. L. Iron Works, 118 5th av, New York
Mustee Bros. ("Marvel"), 204 Cedar av., Cleveland, O.
Nonpareil Mfg. Co., 322 Post, San Francisco, Cal.
Novelty Iron Co. ("Our Own," Tank & Laundry, etc.), Canton, O.
Odin Stove Mfg. Co. (Gas), Erie, Pa.
O'Neill Water Heater Mfg. Co. (Instantaneous), Peoria, Ill.
Patterson, T., San Luis Obispo, Cal.
Peer Water Heater Co. (Inc.) ("Peer"), 39 State, Chicago, Ill.
Peerless Stove & Range Co. (Gas), Columbus, Ohio
Phillips Gas Stove Works (Gas), 420 E. 8th, Cincinnati, O.
Pittsburg Water Heater Co. ("Pittsburg," "Lion"), North Side, Pittsburg, Pa.
Rapid Heater Co. ("Rapid"), Grand Rapids, Mich.
Ribbon Water Heating Co. (Hearst bldg.), San Francisco, Cal.
Sadtler, J. P. B. ("Heller"), Baltimore, Md.
Schifferle, Fredolin ("Gem"), 1224 S. Broadway, St. Louis, Mo.
Schneider Closet & Heater Co. (Bath), Ann Arbor, Mich.
Schneider & Trenkamp Co., Cleveland, O.
Solar Heater Co. ("Climax-Solar"), Los Angeles, Cal.
Stamford Gas Stove Co. (Gas), Stamford, Conn.
Standard Heater Co. ("Standard" & "Leader" Instantaneous Automatic), Pittsburg, Pa.
Stephenson Mfg. Co. ("Zenith," Automatic Instantaneous), 209 Sandusky, Allegheny, Pa.
Sterling Instantaneous Water Heater Co., Allegheny, Pa.
Stevenson & Bro. ("Dewey"), New Castle, Pa.
Taylor Burner & Electroplating Co. (Kinyckeet"), 804 Duquesneway, Pittsburg, Pa.
Varwig Mfg. Co. ("Crown" Automatic), Cincinnati, O.
Vogelgesang Furnace Co. ("Prize Cylinder"), Columbus, O.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Weiskittle, A. & Son ("Fire King" Gas), Allegheny & Washington, Baltimore, Md.
Western Malleable & Grey Iron Mfg. Co. (Tank), Milwaukee, Wis.
White Mfg. Co. (Gas), 192 Michigan, Chicago, Ill.
Wilkes, S. Mfg. Co., 35th c Shields av, Chicago, Ill.
Wood, Jno. Mfg Co. ("Daisy" & Electric Weld Combination), Conshohocken, Pa.
Woodworth-Evans Co. ("Economy"), 112 Wood, Pittsburg, Pa.
Youngstown Range & Stove Co., Youngstown, Ohio

Heaters (Water Bottle, Electric)

(See Heaters, Water, Electric)

Heaters (Water Coil)

Beler Water Heater Co. ("Beler"), Pittsburg, Pa.
Pittsburg Water Heater Co. (Copper Coil), Pittsburg, Pa.
Ruud Mfg. Co. (Gas), 29th & Smallman, Pittsburg, Pa.
Standard Heater Co., Pittsburg, Pa.

Heaters (Water, Electric)

Electro Dental Mfg. Co. (Sterilizers & Water Heaters), 1228 Cherry, Phila., Pa.
H-C-K Co. (Water Heaters Only), 30 Greenwich, New York
Meier Dental Mfg. Co. ("Standard" Water Bottle Heaters), St. Louis, Mo.

Heaters (Water, Instantaneous)

Adams Steel & Wire Works, Joliet, Ill.
American Stove Co. ("Jewell" Gas), 414 N 6th, St. Louis, Mo.
Beler Water Heater Co. ("Beler"), Pittsburg, Pa.
Clark, Geo. M. & Co. ("Jewel" Gas), 82 Michigan av, Chicago, Ill.
Crane, W. M. Co., 16 W 32d, New York
Dayton Supply Co. ("Ohio M"), Dayton, O.
Detroit Stove Works ("Detroit," "Jewell"), Detroit, Mich.
Gilbert & Barker Mfg. Co. ("Springfield"), Springfield, Mass.
H. C. K. Co. ("H. C. K." Electric), 30 Greenwich av, New York
Harris, J. Co. ("Harris"), 1232 E 3d, Cleveland, O.
Hoffman Heater Co. ("Hoffman" Automatic), Lorain, O.
Humphrey Co. ("Crescent" Automatic), Kalamazoo, Mich.
Instantaneous Water Heating Co. ("Douglas," "Acme," "Flush"), 155 S Jefferson, Chicago, Ill.
Kenwood Automatic Water Heater Co., Milwaukee, Wis.
Knight & Jillson Co. ("Holden" Coal or Gas), Indianapolis, Ind.
Lawler Regulator Co. ("Lawler's"), 473 W B'way, New York
Lawson, L. S. Mfg. Co., Homestead, Pa.
McDowell Mfg. Co. ("Gable"), 541 Wood, Pittsburg, Pa.
Miller Foundry & Specialty Co. (Automatic), North Tonawanda, N. Y.
Monarch Water Heater Co., 306 Wood, Pittsburg, Pa.
Morrison-Kretschmer Co. ("Morrison"), Dubuque, Ia.
Mustee Bros. ("Marvel"), 204 Cedar, Cleveland, Ohio
O'Neill Water Heater Mfg. Co. (Gas), Peoria, Ill.
Nonpareil Instantaneous Heater Co., San Francisco, Cal.
Peerless Kitchen Boiler & Supply Co., 35 Randolph, Chicago, Ill.
Phillips Gas Stove Works ("Standard"), 420 E. 8th, Cincinnati, Ohio
Pittsburg Water Heater Co. ("Pittsburg" Automatic and "Lion"), North Side, Pittsburg, Pa.
Ruud Mfg. Co. ("Thermal" Automatic Gas), 29th & Smallman, Pittsburg, Pa.
Sadtler, J. P. B. & Co. ("Heller"), 813 S. Howard, Baltimore, Md.
Schneider Bath Heater Co., Ann Arbor, Mich.
Schneider & Trenkamp Co., Cleveland, O.
Seamans, Irving M. (Automatic Gas), 353 7th, Buffalo, N. Y.
Springfield Gas Appliance Co. (Automatic), Springfield, Mass.
Standard Heater Co. (Automatic), Pittsburg, Pa.
Stephenson Mfg. Co. ("Zenith Automatic"), 209 Sandusky, Allegheny, Pa.
Sterling Instantaneous Water Heater Co., Allegheny, Pa.
Varwig Mfg. Co. ("Crown" Automatic), Cincinnati, O.
Wilkes, S. Mfg. Co., 53 Clinton, Chicago, Ill.
Wood, John, Mfg. Co. ("Electric Weld" Gas), Conshohocken, Pa.
Worcester Instantaneous Water Heater Co. (And Gas Stove Combined), Worcester, Mass.

Heating Apparatus (Hot Blast)

American Blower Co., Detroit, Mich.
Baker, Smith & Co., 81 W Houston, New York
Bayley Mfg. Co., Milwaukee, Wis.
Buffalo Forge Co., Buffalo, N. Y.
Exeter Machine Works, Exeter, N. H.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
Green Fuel Economizer Co., Matteawan, N. Y.
Hartford Blower Co., Hartford, Conn.
Link, E. M. Machinery Co., Erie, Pa.
Massachusetts Fan Co., Watertown, Mass.
Miller, J. K. Co., Seattle, Wash.
National Blower Works, 17th & St. Paul av, Milwaukee, Wis.
New York Blower Co., Chicago, Ill.; Factory: Bucyrus, O.
Pacific Blower & Heating Co., San Francisco, Cal.
Prentice, L. H. Co., 34 Sherman, Chicago, Ill.
St. Louis Blower & Heater Co., 1628 N 9th, St. Louis, Mo.
Scott, Robert Engineering & Construction Co., 1716 Ludlow, Philadelphia, Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.
WESTINGHOUSE ELECTRIC & MFG. Co., Union B'k bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Heating Coils (for Steam or Hot Water Heating)

Green Fuel Economizer Co., Matteawan, N. Y.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill.; Works: Bucyrus, O.

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Heating Contractors (Steam & Hot Water)

Firms under this heading do Steam & Hot Water Fitting only.

ALABAMA.

MONTGOMERY—Alabama Machinery & Supply Co.

CALIFORNIA.

LOS ANGELES—Cass-Smurr-Damerel Co.
Hough, E. D.
Phillips Heating, Ventilating & Mfg. Co.
OAKLAND—Schmitt, George W. Heating & Ventilating Co.
California Hydraulic Engineering & Supply Co.
Cronan, Wm., 19 City Hall av
Globe Engineering Co. (Inc.)
Green Fuel Economizer Co., 99 1st
Holbrook, Merrill & Stetson, 6th & Townsend
Mangrum & Otter (Inc.), 561 Mission
Montague, W. W. & Co., 2270 Folsom
Morgan, W. & Co., Monadnock bldg
Pacific Blower & Heating Co., 3261 17th
Royal Heating Co., 412 4th
Sutton, John G. Co., 229 Minna

COLORADO.

DENVER—Bradbury Bros.
Chavey, Emile F., 1010 18th
Goff, F. C. & Co., Temple Court
Michael Heating Co., 502 15th
Pfeiffer, C. P., 433 15th
Reilly, C. J., 1425 Curtis
Sanfords Furnace Co., 1732 Welton

CONNECTICUT.

BRIDGEPORT—Wellington & Co., 167 Stratford av
HARTFORD—Barrett & Wall, 40 Allyn
Hartford Heating Co., 278 Asylum
Murray, James T., 251 Asylum
NEW BRITAIN—Aetna Heating Co.
NEW HAVEN—Rourke Bros. Co.
Foskett & Bishop Co.
NEW LONDON—Hopson & Chapin Mfg. Co.
NORWALK—Arnold, Chas. W.
NORWICH—Barstow, J. P. & Co., 23 Water
PUTNAM—Putnam Foundry & Machine Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Biggs Heating Co., 917 H, N. W.
Butler, Chas. J., 913 G, N. W.
Febrey, E. J. & Co., 622 F, N. W.
Hendley, Jas. W., Corcoran bldg
Higgins, Walter, 910 Mass. av, N. W.
Hubbard Heating Co., 918 F, N. W.
Johnson & Morris, 509 11th, N. W.
King Heating Co., 1320 New York av, N. W.
McCuen, Wm. H. & Co., 1024 Connecticut av, N. W.
McCurdy, James P., 1311 G, N. W.
Pierpoint, John A., 310 12th, N. W.
Rees, Cyrus B., 1322 14th, N. W.
Seltzer Heating Co., 1413 G, N. W.
Stansbury, Daniel R., 1304 H, N. W.
Zellers & Co., 1333 14th, N. W.

GEORGIA.

ATLANTA—Atlanta Steam Heating Co.
Butler, Wm. A.
Cotton States Belting & Supply Co.
Engelhart-Hitchcock Co.
Warlick Sheet Metal Mfg. Co.
MACON—Schofield's, J. S. Sons Co.
SAVANNAH—Rourke, Jno. & Sons
Savannah Blow Pipe Co.

ILLINOIS.

BLOOMINGTON—American Foundry & Furnace Co. (Hot Air & Steam)
Keiser-Van Leer Co.
CHICAGO—Andrews Heating Co., 152 Lake
Arcade Steam Heating Co., 153 Kinzie
Brady & Co., 99 W Randolph
Brockway, Jno. S., 119 La Salle
Brown, N. B. & Co., 1373 W Lake
Cleave, Joseph, 5217 Lake av
Consolidated Engineering Co., 38 W Jackson boul
Cook & Chick Co., 255 Kinzie
Deppman, A. & Co., 212 Illinois
Dixon Steam System Co., 164 Dearborn
Evans, Almirall & Co., Monadnock blk
Fox, J. L. & Co., 112 Clark
Glennon, Charles & Co., 30 La Salle
Graves, W. B. Co., 123 E Kinzie
Green Fuel Economizer Co., Old Colony
Hedmark, Joseph H., 149 Illinois bldg
Hess Warming & Ventilating Co., 131 La Salle
Ideal Heating Co., 6312 Wentworth av
Kehm Bros. Co., 226 Kinzie
Kellogg-Mackay Co., 19 W 18th
Lamb, F. W. Co., 259 E Kinzie
Lees, Wm., 97 S Clinton
Lewis & Kitchen, 1200 Michigan av
Lybrink, Chas. R., 4701 Prairie av
McDonald, Edw. S., 667 W Congress
McDonough, E. J., 230 Kinzie
Miller, W. L. Heating Co., 9 Jackson boul
Mulherin & Co., 65 W Van Buren
Norton, F. J., 8 N State
Olson, J. H., 649 E 47th
Parke, Wm. T., 1974 W Madison
Pearce, W. H. & Co., 269 Dearborn
Peckham, Harry, Jr., 27 N Canal
Peterkin, Jno., 47 Michigan
Phillips, Getschow Co., 184 Indiana
Pope, Wm. A., 80 Lake
Prentice, L. H. Co., 24 Sherman
Purves Heating Co., 215 5th av
Ranney, Chas. D., 3568 N Clark
Simmons, C. H., 138 Washington
Spear & Hansen Co., 65 W Lake
Stott Heating System Co., Monadnock blk
Sullivan, William, 217 Kinzie
THOMAS & SMITH (Inc.), 17 S Carpenter. (See adv. index, end of book)
Webster, Warren & Co. (Webster's System), Monadnock blk
ELGIN—Manard, A. P.
GALESBURG—Murphy Bros. & Anderson
JOLIET—Meers, R.
MOLINE—Moline Heating & Construction Co.
OTTAWA—Clegg, Jno. W.
ROCKFORD—American Heating Co.
Dougherty, Jno. M.

INDIANA.

ANDERSON — Anderson Foundry & Machine Works
BRAZIL—Crawford & McCrimmon Co.
EVANSVILLE—Carmody, J. D.
O'Donnell Steam Heating Co.
FORT WAYNE—National Mill Supply Co.
GREENCASTLE—Greencastle Foundry & Machine Co.
INDIANAPOLIS—Automatic Heating Co. (Paul System)
Dailey, L. E., 2432 N New Jersey
Johnson, W. H. & Son Co.
Kruse & Dewenter
Mast, George J. Heating Co.
Woolen & Callon

IOWA.

DES MOINES—Des Moines Mfg. & Supply Co.

KENTUCKY.

LOUISVILLE—Clegg, F. A. & Co.
McWilliams, Joseph & Co.
NEWPORT—Fennel, George H. & Co.
OWENSBORO—Guenther, W. A. & Sons

LOUISIANA.

MONROE—Sanders, John G.
NEW ORLEANS—Gibbens & Stream.
Haubtman & Loeb Co. (Ltd.)
Murphy, Jno. H.
Payne & Joubert
SHREVEPORT—Vondenbaumen-Eastham Co. (Ltd.)

MAINE.

PORTLAND—Carman, W. W.
Fels, Arthur B.
Moulton, A. H.

MARYLAND.

BALTIMORE—Basshor, T. C., Co., 28 Light
Brack, James R., 220 St. Paul
Calvert Stove & Heating Co., 107 Commerce
Enterprise Steam & Hot Water Heating Co., 107 E Lombard
Evans, David E. & Co., 215 Courtland
Fadum, Fred'k, 408 W German
Hill, Walter E. Co., 203 N Liberty
Hubbard, Alva Heating Co., 420 N Calvert
King, Chas. T. & Co., Charles & German
Myer & Moran, 327 N Holliday
Stebbins, Wallace & Sons, Charles c Lombard
Zies, Chas. & Sons, 316 S Fremont av

MASSACHUSETTS.

BOSTON—Anthony, Frank P., 36 N Centre
Bay State Heating Co., 55 Portland
Boston Furnace Co., 6 Portland
Bradlee & Chatham Co., 121 Beverly
Braman, Dow & Co., 239 Causeway
Cleghorn Co., 54 Batterymarch
Coffin, Isaac Co., 52 Sudbury
Dodge, Edwin L., 6 Friend
Duncan, Alex. Co., 83 Union
Dwyer, James P., 27 Cambria
English & Flett (Inc.), 226 Congress
Felton-Turner Heating Co., 34 Warren
Foster Heating Co., 15 Palmer, Rox.
Franklin, A. B., 62 High
Gallison, W. H. Co. (High Pressure), 36 Oliver
Green Fuel Economizer Co., 141 Milk
Greene Bros., 32 Broad
Ingalls & Kendrickson, 80 Sudbury
Johnson, Z. T., 3 India sq
Kohler Furnace & Steam Heating Co., 1342 Columbus av, Rox.
Lovering, Robert H., 24 Warren, Rox.
Lumsden & Van Stone Co., 69 High
Lynch & Woodward, 28 Beach
Merrill, Adam H. & Co., 8 Friend
Merrill Co. (High Pressure Piping), 19 Pearl
Montgomery, F. W., 359 Atlantic av
Paul System Co., Tremont bldg
Pierce & Cox, 143 Kingston
Rice, F. J. & Bennett, 72 Portland
Richardson & Clement, 20 Union
Ross, Walter B., 163 Oliver
Sanborn, C. H., 18 Post Office sq
Shearman Heating Co., 18 Union
Smith & Anthony Co., 48 Union
Trask Heating Co., 76 Sudbury
Walworth Cons. & Supply Co., 100 Pearl
Webster, Warren & Co., 24 Milk
Whitten & Jackson, 91 High
Whittier Construction Co., 54 Whittier
Woodward, Frank E. & Co., 19 Friend
FAIRHAVEN—Fairhaven Iron Foundry Co.
FALL RIVER—Fall River Steam & Gas Pipe Co.
Kelly, Edward
GLOUCESTER—Richardson's Nathan Sons
Stodart, A. P. & Co. Mfg. Co.
LOWELL—Middlesex Machine Co.
MILFORD—Damon, J. F.
NEW BEDFORD—Babbitt Steam Specialty Co.
New Bedford Boiler & Machine Co.
SALEM—Patten, Paul B.

WYCKOFF & LLOYD COMPANY,
HEATING, VENTILATING AND PLUMBING CONTRACTORS,
POWER PIPING. MILL WORK.
SPRINGFIELD, MASSACHUSETTS.

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SPRINGFIELD—Clapp, Z. C.
Estabrook, George R.
McClean, George H. Co.
WYCKOFF & LLOYD CO., 19 Worthington. (See adv. index, end of book)
WORCESTER—Braman, Dow & Co.
Brunelle, F. X., 10 Coburn av
Burleigh, Jno. & Co., 5 Chandler
Burlingame, A. Co.
Callahan, J. W. & Son
Central Supply Co.
Hawes, Edwin Co., 17 Vine
Holmes, M. D. & Sons, Salem sq
Houghton, F. O. Co.
Morse, A. H., 152 Institute rd
Washburn & Garfield Mfg. Co.
Whitworth Heating Co., 6 Manchester

MICHIGAN.

BAY CITY—Bialy Hardware & Supply Co.
Jennison Hardware Co.
Wilson & Wanless
DETROIT—American Blower Co.
Central Heating Co., 115 Farmer
Detroit Heating & Lighting Co., Wight nr Leib
Dodson & Larsen, 10 W Atwater
Haman, Geo. L. & Co., 675 Michigan av
Murphy Heating Co., 30 W Congress
Simonds Heating & Specialty Co., 105 Washington av
Turner, W. C., 441 Hubbard av
GRAND RAPIDS—Leitelt, Adolph, Iron Wks
Macauley Bros.
Vulcan Foundry Co.
Weatherly Co.
SAGINAW—Eureka Heating & Ventilating Co.

MINNESOTA.

FERGUS FALLS—Fergus Iron Works
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Andrews Heating Co., 203 Hennepin av
Automatic Heating Co., Security B'k bldg
Campbell Heating Co.
Gray, W. I. & Co., 704 S 5th
Hamilton, W. C. T., 2721 Pleasant av
Hasey Heating Co., 310 S 3d av
Knights, W. R., Bryant & 34th
Krenske, Theo. A., 26 W Lake
Manuel-Smith Heating Co., 821 S E Washington av
Quam, H. J., 1551 E Franklin av
Roberts Heating & Ventilating Co., 413 S
Saxton Heating Co., 405 6th av, S 4th
Schupp, Wm. & Co., 616 S 3d av
Splann Heating & Ventilating Co., 212 S Tunstead Heating Co., 223 S 6th 4th
ST. PAUL — Andrews Heating Co., Pioneer Press bldg
McGeary, G. M., 163 W 3d
Roberts, John D., 296 E 6th
Sparr, E. Edw., 329 Jackson
Western Machine Mfg. Co., 448 Rosabel
WINONA—Winona Heating & Ventilating Co.

MISSOURI.

KANSAS CITY—Automatic Heating Co. (Paul System), Scarritt bldg
Kansas City Steam & Hot Water Heating Co.
Lewis & Kitchen, 901 B'way
Martin, Henry, 1411 E 14th
Mueller A. B. Heating Co., 1737 Walnut
Prest Heating & Foundry Co.
Rood & McIntyre, 1408 Main
ST. LOUIS—Abadie, E. H. & Co., Times bldg
Advance Engineering & Construction Co., Victoria bldg
Ambler, Edwin P., 2822 La Salle
Automatic Heating Co., 721 Olive
Bielken Steam & Hot Water Heating Co., 4004 Forest Park Road
Bosley, E. M., De Menil bldg
Bradley Heating Co., 3834 Olive
Branch Heating Co., 1747 N B'way
Brown Heating Co., 5971 Easton av
Cahill, Swift Mfg. Co., 20 S 12th
Carter, Frank, 3452 Oregon av
Central Heating Co., 2112 Washington av
Cozzens Heating & Construction Co., 3831 Olive
Crowder Bros., 408 Olive
Dows Heating & Mfg. Co., 4039 Delmar boul
Elliott & Barry Engineering Co., 705 Olive
Hayes, John, 806 N 14th
Hughes, Jno. B. Heating Co., 1234 Clark av
Ideal Heating Co., 2023 Olive
Kremer-Moon Heating Co., 1417 Olive
Lomasney, Ed. J., 1916 Olive
Maloney, Wm. L., 4740 Delmar boul
Modern Heating Co., 318 Chestnut
National Heating Co., 2050 Geyer av.
National Vacuum Steam Heating Co., 717 Locust
O'Mara Heating Co., 821 Chestnut
Peters-Eichler Heating Co., 1503 Chestnut
Rossbrough Heating Co., Victoria bldg.
Sodeman Heat & Power Co., 1510 Clark av
Stockhoff Supply Co., 107 N Main
Urbauer, Atwood Heating Co., 106 S 12th
Western Heating Co., 1025 Old Manchester rd

NEW HAMPSHIRE.

KEENE—Hubbard, H. W.

NEW JERSEY.

BARTLEY—Bartley, Wm. & Son
CAMDEN—Camden Heating Co.
Lounsberry, H. C., 530 Arch
Webster, Warren & Co., Point c Elm
HOBOKEN—Manahan Bros.
Stannard, Geo. W., 8th & Jefferson
JERSEY CITY—Lutton, Wm. H., Kearney & West Side avs
Payne, John A., 260 Culver av
Schroder, F. P. Co., 307 Grand
NEWARK—Cryer, T. B. & Co., 249 High
Denny Bros. Co., 15 Mechanic
Kellogg, N. S., 703 Broad
Lawton, Bedell & Co., 204 Arcade
Reid, Jno. L., 356 Mulberry
Seymour, David C., 49 Lawrence
TOWN OF UNION—Manahan Bros.
TRENTON—Baker, Wm. H. (Factory Work, etc.)

NEW YORK.

ALBANY—Bates, E. P.
Hunter, Jas. Heating & Contracting Co.
Tyler, Fred'k A., 36 Beaver
Warren, James D.
BINGHAMTON—Gaylord & Eitapence Co.
Innes, J. K.
Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
GREENPORT—Hedges, Samuel
KINGSTON—Wieber, Henry E. (Est. of)
LOCKPORT — American District Steam Co. (Holly System of Direct & Exhaust Steam)
MATTEAWAN—Green Fuel Economizer Co.
NEWARK—New Light, Heat & Power Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Backert & Schroder Steam Htg. Co., 474 B'way
Bedford Heating Co., 1233 Atlantic av
Curtin, Wm. H. Mfg. Co., 333 Adams
Hoppe, Chas. A., 5011 New Utrecht av
Jacobs, Geo. P. & Co., 276 S 9th
Kiefer, Harry, 73 Grant
O'Brien, Edw. J. & Bro. (Inc.), 284 Rodney
Philips, Doup & Co., 56 Pearl
Roys System Co., 913 Gates av
Scollay, John A., 70 Myrtle av
Tuttle-Bailey Mfg. Co., 83 N 10th

Boroughs of Manhattan & Bronx.

NEW YORK—Abbott's, M. Sons, 137 8th av
Automatic Heating Co. (Exhaust Steam etc.), 17 Battery pl
Backus Heating Co., 242 4th av
Bailey, Wm. R., 90 Warren
Baker, Smith & Co., 483 W B'way
Baker, Wm. C. Heating & Supply Co. (House, Car Heating, etc.), 143 Liberty
Baldwin Engineering Co., 209 W 33d
Baldwin Heating Co., 1181 B'way
Blake & Williams, 211 W 20th
Bonner, Thos. Heating Co., 510 W 42d
Boyd Equipment Co. (Heating & Ventilating), 113 Hudson
Crooke Heating & Ventilating Co., 97 Warren
Cryer Return Line System, Fuller bldg
Curran, James Mfg. Co., 512 W 36th
Dewey Engineering Co., 89 Centre
Dobson, Frank, Co., 319 E 53d
Duff, P. J. & Sons, 201 E 33d
Earl & Cook Co., 150 Nassau
Eccles, John L. Co., 117 Mercer
Evans, Almirall & Co., 281 Water
Finnegan & Walterthum, 140 E 59th
Francis Bros. & Jellett (Inc.), 156 5th av
Gent, John G., 747 Tremont av
Gibbons, Jno. V., 133 Greenwich
Gillis & Geoghegan, 537 W B'way
Graff Furnace Co., 208 Water
Greason Mfg. Co., 108 W 90th
Green Fuel Economizer Co., 90 West
Hankin, John & Bro., 550 W 25th
Hassett & Peyton, 100 Maiden lane
Hitchings & Co., 1170 B'way
Hodkinson & Co., 537 Manhattan av
Hopkins-Jordan Co., 148 W 24th
Johnson & Co., 104 John
Johnson & Morris, 30 W 13th
Johnston Heating Co., 138 E 31st
Kay, W. H., 244 Fulton
Kelsey Heating Co., 150 5th av
Kirk, L. G. Co., 172 E 75th
Lee Heating Co., 1779 B'way
Leslie Bros., 140 W 42d
Lord & Burnham Co., 1133 B'way
McGonagle, A., Co., 136 Liberty
McKnight, Chauncey P., 31 Hancock pl
Mead, Josiah H., 242 4th av
Merritt, Jas. H., & Co., 48 Cliff
Miller, Henry, 384 E 144th
Mulhern Steam Heating Co., 103 Park av
Muller & Vultee, 9 N Moore
Mutual Engineering & Cons. Co., 548 W 23d
Neal's, John Sons, 101 E 84th
New York Steam Fitting Co., 100 Washington
Olvaney, William J., 177 Christopher
Paul System Co. of New York, Fuller bldg
Pollock, Alex Co., 208 West
Peterson, N. F., 450 E 149th
Prentice, L. H. Co., 114 Liberty
Raisler Heating Co., 1906 B'way
Ransom, Stephen, 402 West
Roberts, Geo. I. & Bros. (Inc.), 471 4th av
Rutzler, E., Co., 127 White
Sarnya Engineering Co., 320 B'way
Sayward, Jno. F., Co., 2295 B'way
Schneider, Chas., 492 E 163d
Seward Engineering Co., 141 Worth
Sinnott, Peter, 967 E 165th
Skannel, Elbert, 3281 B'way
Suter, G. A. & Co., 112 Wooster
THOMAS & SMITH (Inc.), 288 Hudson. (See adv. index, end of book)
Thompson-Starrett Co., 900 1st av
Tivy, Lawrence, 13 Platt
United Engineering & Contracting Co., 32 E 33d
Victor Heating Co., 2295 B'way
Walker & Chambers, 50 E 20th
Wallace, Geo. J., 206 E 57th
Wear, John A. & Son, 206 E 29th
Webster, Warren Co., 17 State
Wells & Newton Co., 202 Av. B.
Wing, L. J. Mfg. Co. (Ventilating & Combustion Engineers), 90 West
Yockel, J. Henry, 51 E 90th

Borough of Richmond.

NEW BRIGHTON—Koehler, F. D.

(End of New York City)

SYRACUSE—Bates, Edw. P., 228 W Water
Municipal Heating Co., 205 James
UTICA—Bates, E. P.
Hart & Crouse Co.
WAVERLY—Denslow Heating Co.
YONKERS—Morris, Thos., Jr.

NORTH CAROLINA.

CHARLOTTE—American Machine & Mfg. Co.

NORTH DAKOTA.

CASSELTON—Casselton Hardware Co.
FARGO—Craig Bros.

OHIO.

AKRON—Prudential Heating Co.
CINCINNATI—Crane, M. H. (Est. of), 326 W Pearl
Geerin Bros. Co., 422 E 8th
German-Russel Co., 222 E 9th
Johnston, W. T. Co., 522 Main
Kearney, John & Co., 328 New
Love & Roth, 1014 Elm
McGowan, Jno. H. Co., 56 Central av
Nichol, Thos. J. & Co., Pearl c Ludlow
Niemes, Henry, 4112 Hamilton av
Peck, Anderson & Peck Co., Court & Broadway
Peck-Hammond Co., 124 E Pearl
Peck-Williamson Heating & Ventilating Co., 339 W 5th
Schlemmer, Oliver, Co., 1050 Halbert av
Schulthels, Wm. & Jos. Co., 1533 Freeman av
Stewart, S. B., 237 E 3d
Vance, E. A., Const. Co., 1662 Providence
Webster, Warren & Co., Ingalls bldg
CLEVELAND—American Engineering Specialty Co., Rose bldg
Bartlett Bros. Co., 8506 Lake av, N W
Becker-Seidel Co., 317 Champlain av, N W
Bowman, E. R., 3211 Lorain
Chafer Co., 431 Champlain av, N W
Cleveland Steam Fitting & Supply Co., 4318 Hamilton av, N E
Crawford, P. R. & Son, Williamson bldg
Crow-Wynn Heating Co., 4070 E 82d, S E
Cushman, Person W., 7516 Decker av, N E
Holbrook, M. G., The Arcade

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Morgan, Richard H., 6916 Wade Park av, N E
Mouat-Squires Co., 1246 W 4th, N W
Paul Steam System, Hickox bldg
Pittsburg Piping & Equipment Co., American Trust bldg
Price, Dreher & Welker, 1532 Columbus rd
Roemer, Julius, 725 St Clair av, N E
Van Sickle & Warren Co., 717 Frankfort av, N W
COLUMBUS—Columbus Heating & Ventilating Co., 425 W Town
TOLEDO—American Warming & Ventilating Co., 108 Michigan
Bryce Heating & Ventilating Co., The Spitzer
Burdick, L. F., Co., 2011 Adams
Claflin, Wm. T., 2244 Lawrence av
Hoffmann & Harpst Co., 1005 Cherry
Shaw-Kendall Engineering Co., Superior & Swan creek
Toledo Heating & Const. Co., 149 Michigan
WASHINGTON C. H.—Swope, Geo. B.

OREGON.

PORTLAND—Gardner & Kendall Heating Co.
McPherson, W. G. Co.

PENNSYLVANIA.

BLAIRSVILLE—Tittle, C. L.
BLUE BALL—Shirk, P. E.
CONSHOHOCKEN—Bate, W. T., & Son
EAST STROUDSBURG—Stauffer, George E.
HANOVER—Davidson Heating & Cons. Co.
HARRISBURG—Campbell, B. W., 19 S River av
Harrisburg Steam Heat & Power Co., 128
Horn, Alex. D., 1000 Market Short.
HAZLETON—Hazleton Steam Heating Co.
JOHNSTOWN—Ideal Epworth Acetylene Co.
Johnstown Supply House (Ltd.)
Swank Hardware Co.
LANCASTER—Arnold, John L.
Central Machine Works
Flinn & Breneman
PHILADELPHIA—Anderson Heating Co., 112
Bachler, C. F., 53 N 7th Walnut
Baixley, John Iron Works, 514 S Delaware
Barclay, Alex M., 113 N 6th av
Barnes, Samuel W., & Son, 2104 N 6th
Bowen Heating Co., 24 S 7th
Bowers Bros. & Co. (Heating & Ventilating), Real Estate Trust bldg
Cox & Sons Co., 215 Race
Cunningham, H. E. & Sons, 2134 E Sergeant
Francis Bros. & Jellet (Inc.), N Broad & Geiger, August, 118 N 6th Wallace
Germantown Steam Co., 515 Pelham rd, Gtn
Haines, Wm. S. & Co. (Steam Only), 136 S 4th
Hill, Malcolm W. Co., 1503 Sansom
Hygiene Heating Co., Mortgage Guarantee
Lampe & Bartels, 115 N Front bldg
Makin-Kelsey Heating & Mfg. Co., 24 S 7th
Mershon Patent Shaking Grate Co., 1208
Murphy, Harry F. & Co., 25 N 7th Filbert
Nichols, E. M., 212 S 7th
Overbrook Steam Heat Co., 2012 N 60th
Phila. Hdw. & Malleable Iron W'ks, 9th & Jefferson
Phila. Steam Heating Co., 1513 Filbert
Quigley, Jas. J. & Son, 1342 Ridge av
Scott, Robt., Engineering & Construction Co., 1716 Ludlow
Smith, John P., 148 N 7th
Taylor, Frank W. & Son, 259 S 4th
Thompson Bros., 112 Bread
Trachsel, John C. F., 240 Arch
Tubular Heating & Vent'g Co., 232 Quarry
Webster, Warren & Co., Stephen Girard bldg
West, Charles F., 24 N 7th
West End Heating & Engineering Co., 4641 Lancaster av
Wood, James P. Heating Co., 39 S 4th
PITTSBURG—Allegheny Heating Co., 437 6th
American Warming & Ventilating Co., 541 Wood
Anderson-Darragh Co. (Ltd.), 3206 Penn av
Baker, Smith & Co., Frick bldg
Bartlett, J. C., Co., 805 Liberty av
Belmar Heating Co., 1121 Murtland
Briley, C. A., 1003 Forbes
Burns, Fleming & Co., 815 Forbes
Higgins, G. F., Co., Union Bank bldg
Iron City Heating Co., 8th & Penn av
McGinness-Smith Co., 219 1st av
Maginn, P. F. & Co., 1025 Forbes
Meagher Heating Co., 1536 2d av
Mellott Heating Co., 634 Smithfield
Pittsburg Heating Co., 8 Wood
Schaffer, John P., 209 Wood
Sloan Heating Co., 6309 Broad
Walker, James J., Harwood & Merwyn ave
POTTSTOWN—Sotter Bros.
POTTSVILLE—Pottsville Steam Heat & Power Co.
Sparks & Parker.
READING—Keystone Heating Co.
Reading Steam Heat & Power Co.
ST. CLAIR—Quirin, Jno. & Bro.
SCRANTON—Economy Light, Heat & Power Co.
Gaylord & Butler Co.
Gaylord & Eitapence Co.
Scott Heating Co.
TOWANDA—Humphrey Mfg. Co.
WILKES-BARRE—Backus, Peter B.
WILLIAMSPORT—KEELER, E. CO. (See adv. index, end of book)
Williamsport Steam Co.
YORK—Motter, Geo. F., & Sons (Inc.)
York Engineering Co.

RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co.
Allen & Reed (Inc.), 172 Dorrance
Cox & Stone, 159 Pine
Fogerty, Wm. J., 26 Peck
General Fire Extinguisher Co., Union Trust bldg
Haslam, Gordon E., & Co., 147 S Main
Heath, Wm. G. & Co., 60 Friendship
Mackenzie Bros., 18 Snow
Parker & Taft, 143 Eddy
Putnam Foundry & Machine Co., 73 S Main
Sampson, J. A., 10 Summer

SOUTH CAROLINA.

CHARLESTON—Volk & Murdoch Iron Works
SPARTANBURG—Morgan Wood & Iron Wks

SOUTH DAKOTA.

WATERTOWN—Rowe Construction & Heating Co.

TENNESSEE.

MEMPHIS—Memphis Heating Co.
Harstick Heating Co.
Sodemann Heat & Power Co.
Southern Heating Co., Cotton Exchange
NASHVILLE—Nashville Mach. Co. bldg

VERMONT.

MONTPELIER—Lane Mfg. Co.
RUTLAND—Holmes Iron Co.

VIRGINIA.

RICHMOND—Longworth, W. P. & Co.
Morrison Machinery & Supply Co.
Smith-Courtney Co., 1418 E Cary

WASHINGTON.

SEATTLE—Adams & Moffat Heating Co.
Brown, S. E. & Co., 1527 3d av
Frewen Co.
Pacific Heating Co., New York blk
Tay, Geo. H. Co., Empire bldg
Washington Steam Heating Co., 712 Post
SPOKANE—Inland Heating & Ventilating Co.

WISCONSIN.

MADISON—King & Walker Co.
Mueller Co.
MILWAUKEE—American Fdry. & Furnace Co. (Hot Air & Steam), 204 Grand av
Anderson & Farris Heating Co., 463 27th
Bayley Heating Co., 131 Sycamore
Beech, J. M. Heating Co., 249 Lake
Bowers, W. A. Heating Co., 482 Market
Downey & Kruse Co., 112 2d
Enterprise Heating Co., 880 Cambridge av
Flaherty, Michael E., 567 E Water
Fox, Chas. J., 616 Grand av
Fritze, Oscar, 1809 Walnut
Goldschmidt, Hugo, 416 State
Groeschel, Jacob H., 1513 Lloyd
Hoye, Thos. E. Heating Co., 54 Biddle
Kaufman-Haas Heating Co., 1117 23d
Lade, Rudolph, 906 Winnebago
Lindeman, A. J. & Hoverson Co., 344 Florids
Mueller Co., 168 Reed
Netz, Edwin A., 405 3rd
Pfeifer, Mathias, 314 18th
Phipps Heating Co., 90 Oneida
Reich, John, 628 Clark
Reinke & May Heating Co., 1324 Fond du Lac av
Riemer, Louis A., 411 State
Schier, Joseph, 2816 Galena
Smith, Geo. H. Heating Co., 320 Grand av
Strieble, A. J. & Co., 75 W Water
Strothenke, John & Co., 489 National av
Treis, N., Heating Co., 130 2d
Watson, Jas. C. Co., 270 Jefferson
Wegner Bros., 136 Sycamore
Zuehlke Heating Co., 315 4th

Heating (Green House)

Bates, Edw. P., Syracuse, N. Y.
Burmeister, Aug. & Co., Station D, Milwaukee, Wis.
Coldwell-Wilcox Co., Newburgh, N. Y.
Carmody, J. D., Evansville, Ind.
Fish, Hindle, 23 Wash'n, N. Boston, Mass.
Foskett & Bishop Co., New Haven, Conn.
Hitchings & Co., 1170 B'way, New York
Jacobs, S. & Sons, 1305 Flushing av, Brooklyn, N. Y.
Kay, W. H. Co., 244 Fulton, New York
Kroeschell Bros. Co., 55 Erie, Chicago
Lamb, F. W. Co., 259 Klinzie, Chicago, Ill.
Lord & Burnham Co., 1133 B'way, New York, & 819 Tremont bldg, Boston, Mass.
Payne, John A., 260 Culver av., Jersey City, N. J.
Phillips Mfg. Co., West Side av, Jersey City, N. J.
Prentice, L. H. Co., 34 Sherman, Chicago, Ill.
Reynolds, James Co., 33 Mill, Rochester, N. Y.
Scollay, John A. (Est. of), Brooklyn, N. Y.
Simonds Heating & Special Co. (Vacuum System of Steam), Detroit, Mich.
Thomson, Robert & Co., 6200 Prescott, St., Louis, Mo.

Heating (Paul System of Steam)

Automatic Heating Co., Fisher bldg, Chicago, Ill.
Paul System Co., 73 Tremont, Boston, Mass., & 949 B'way, New York

Heating (Vacuum)

Consolidated Engineering Co. ("Van Auken" System), Jackson c Canal, Chicago, Ill.
Giant Vacuum Heat & Power Co. ("Little Giant" Vacuum for Heating, Cleaning & Hot Water), Oakland, Cal.
Kellogg-Mackay Co. (Vapor System "K. M. C." Morgan Patents), 19 W 18th, Chicago, Ill.
McGonagle Co., 136 Liberty, New York
Monash-Younker Co. ("Monash" Radifier Valve Without Royalty), 203 S Canal, Chicago, Ill.
Norwall Mfg. Co. ("Norwall"), 154 Lake, Chicago, Ill.
Ryan, E. J., Danville, Ill.
Schott Engineering Co. ("Schott" Steam & Hot Water Systems), 125 Monroe, Chicago, Ill.
Simonds Heating & Specialty Co. ("Simonds" Simple & Compound Vacuum Steam Heating System), Detroit, Mich.
Vacuum Heating Co. ("Trane"), Heed bldg., Phila., Pa.
WYCKOFF & LLOYD CO. (Contractors), 19 Worthington, Springfield, Mass. (See adv. index, end of book)

Heating (Vapor System)

Vapor Steam Heating Co., North American bldg, Philadelphia, Pa.

Heating & Ventilating Engineers (Consulting)

Adams, Henry, Calvert bldg, Baltimore, Md.
Allen, Albert M, Schofield bldg, Cleveland, O.
Bailey, Fred W. C., Wyandotte bldg, Columbus, O.
Baldwin Engineering Co., 209 W 33d, New York
Barrus, Geo. H., Pemberton bldg, Boston, Mass.
Barwick, Thos. Engineering Co., 21 Park Row, New York
Blood & Hale, 10 P. O. sq., Boston, Mass.
Bryan, Wm. H., Lincoln Trust bldg, St. Louis, Mo.
Campbell, Chas. A., Herald bldg, Watertown, N. Y.
Clarkson, Robt. C., Stephen Girard bldg, Philadelphia, Pa.
Clark & MacMullen, Inc., 20 Broad, New York
Darrach, Chas. G., Land Title bldg, Phila., Pa.
Edwards, L. T., 1530 Chestnut, Phila., Pa.
Furber, Wm. C., 418 Walnut, Phila., Pa.
Haines, W. S. & Co. (Steam Heating), 136 S 4th, Phila., Pa.
Harman, Jacob A., Dime Saving Bk., Peoria, Ill.
Hill, Quick & Allen, Equitable bldg, Baltimore, Md.
HOWARD & MORSE (Ventilation Only), 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Kemm, J. Geo., Jr., City Trust bldg, Phila., Pa.
Mackay, W. M., 113 Beekman, New York
Monday, Chas. E. & Co., 1320 Olive, Phila., Pa.
Municipal Engineering & Contracting Co., 90 West, New York

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Penna. Engineering Co., 1119 N Howard, Phila., Pa
Pierce, Richardson & Neller, Manhattan bldg, Chicago, Ill.
Roberts & Abbott Co. (Inc.), Schofield bldg, Cleveland, O.
Sayward, Jno. F. & Co., 21 W 24th, N. Y.
Serrell & Schenck, 17 State, New York
Stebbings, W. L., Monadnock blk., Chicago, Ill.
Steenson, R. J. & Co., 912 Federal, Allegheny.
Sutton, Frank, 91 Wall, New York
Thompson-Starrett Co., 660 1st av, New York
Van Winkle, Franklin, 39 Cortlandt, N. Y.
Wing, L. J. Mfg. Co. (Also Contracting), 90 West, New York
Wolcott Henry A., 49 Pearl, Hartford, Conn.
Woodbridge, S. Homer, 420 Boylston, Boston, Mass.

Heating & Ventilating Engineers (Contracting)

(See Heating Contractors, Steam & Hot Water)

Helmets (Ammonia)

National Helmet Co., 39 Park pl, New York

Helmets (Sand Blasting)

American Diamond Blast Co., 50 Church, New York
Tilghman-Brooksbank Sand Blast Co., 1126 S 11th, Philadelphia, Pa.

*Hemp (Braided, Italian & Linen)

TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la, New York. (See adv. index, end of book)

*High Speed Bulldozers

AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)

Hinge Mfrs.

(Under this Heading see Sub-classifications)

Aetna Nut Co., Southington, Conn.
American Foundry & Mfg. Co., St. Louis, Mo.
American Ring Co., Waterbury, Conn.
Arcade Mfg. Co. (Ornamental Brass), Freeport, Ill.
Ashtabula Mfg. Co., Ashtabula, O.
Barrows Lock Co., Lockport, Ill.

BOMMER SPRING HINGES
257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Buckley-Hart Mfg. Co., 541 Franklin, Detroit, Mich.
Chicago Hardware Co., North Chicago, Ill.
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Clark Mfg. Co., 260 Chandler, Buffalo, N. Y.
Cleveland Lock Co. ("Hercules" Spring), 1297 E 38th, N E, Cleveland, O.
Coleman Hardware Co. (Spring), 168 Michigan av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O., & 168 Church, New York
Corbin, P. & F., New Britain, Conn.
Cowles, C. & Co. (Inc.), (Malleable & Brass) New Haven, Conn.
Delaware Marine Supply Mfg. Co., Wilmington, Del.
Detroit Shipbuilding Co. (Brass Department), Detroit, Mich.
Devlin, Thos. & Co., 3d & Lehigh av, Phila., Pa.
Eagle Lock Co. (Brass), Terryville, Conn., & 105 Chambers, New York
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Foss, Benj. F. ("Foss" Adjustable Ball Bearing), Fairfield, Me.
Grey Iron Foundry Co. (Spring & L. & B.), Reading, Pa.
Hager, C. & Sons Hinge Mfg. Co., 2427 De Kalb, St. Louis, Mo.
Hale & Benjamin, Greenfield, Mass.
Hassall, John (Fancy Box Hinges, Catches, etc.), 171 Lafayette, New York
Hazel Atlas Glass Co., Wheeling, W. Va.
Hildenbrandt Automatic Hinge Co., 125 Longworth, Cincinnati, O.
Kohler, F. E. & Co., Canton, O.
Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.
Lawson Mfg. Co. ("Matchless" Double Acting Floor Spring & Pivot Hinge without Spring), 40 Dearborn, Chicago, & Racine, Wis.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. (Steel Butts, Strap & T.), Locust & Market, Allegheny, Pa.
Niles Mfg. Co. ("Double Acting" Spring), 16 N Canal, Chicago, Ill.
New England Lock & Hinge Co. (Brass Finish & Tin), Winchendon, Mass.
Norwalk Lock Co., S Norwalk, Conn.
Parker, Chas. O., Meriden, Conn.
Payson Mfg. Co., 1319 W Jackson boul, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading Pa.
Plume & Atwood Mfg. Co., 29 Murray, New York
Pullman Mfg. Co., Rochester, N. Y.
Reading Hardware Co., Rochester, N. Y.
Richards Mfg. Co. (Heavy), Aurora, Ill.
Root, C. J. (Wrought Brass), Bristol, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Safford & Co., Arlington, Mass.
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Schroder, J. B., & Co., 132 E 5th, Cincinnati, Ohio
Scovill Mfg. Co. (Brass), Waterbury, Conn.
Shannon, J. B. & Sons, 816 Chestnut, Phila., Pa.
Shelby Spring Hinge Co. (Double Acting Floor), Shelby, O.
Standard Mfg. Co. ("Champion"), Shelby, O.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
Tiebout, W. & J. (Cast Brass), 118 Chambers, New York
Union Mfg. Co., New Britain, Conn., & 103 Chambers, New York
Van Wagoner Co. (Ball Bearing), Lima, O.
Whipple, R. P. & Co., 275 Main, Springfield, Mass.
Wilcox, Crittenden & Co. (Galvanized), Middletown, Conn.
Wise, J. B. (Sewing Machine, Closet & Organ), Watertown, N. Y.
Woodruff, W. W. & Sons Co. (Carriage Door etc.), Mount Carmel, Conn.
Wrightsville Hardware Co. (Shutter, Blind & Gate), Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York.

Hinges (Awning)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Wilcox, Crittenden & Co., Middletown, Conn.

*Hinges (Ball-Bearing, Steel Butt)

STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)

Hinges (Blind & Shutter)

American Foundry & Mfg. Co., St. Louis, Mo.
Austin & Eddy, 117 Broad, Boston, Mass.
Clark Mfg. Co. ("Dixie"), 260 Chandler, Buffalo, N. Y.
Enterprise Foundry Co., Rochester, N. Y.
Hale & Benjamin, Greenfield, Mass.
Hanover Hinge Co. ("Hoke"), Hanover, Pa.
Hawkins Car Oiler & Specialty Mfg. Co. ("Hawkins"), Lowell, Mass.
Jaycox Mfg. Co. ("Jaycox," Self-Closing), Fishkill Landing, N. Y.
National Supply Co. ("Lull," "Porter" & "Clark" Pattern), 7 W Lombard, Baltimore, Md.
Orr, Galen & Co., Needham, Mass.
Parker, Chas. Co., Meriden, Conn.
Parker Wire Goods Co. ("Hale" & "Benjamin" Automatic Blind), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Peters, Jas. & Son (Wrought Iron Shutter), 1934 N Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Whipple, R. P. & Co. (Automatic), 275 Main, Springfield, Mass.
Wrightsville Hardware Co. ("Stengers," "Shepard's" "Niagara," "Clark's" "Buffalo," "Champion," "Steamboat," "Pioneer," "Empire" & Mortise Gravity-Locking Blind Hinges & "O. S.," "Acme" & "Queen City" Shutter Hinges), Wrightsville, Pa.

*Hinges (Box)

ACME STEEL GOODS CO. ("Acme" Box Hinges & Locks), 2834 Archer av., Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)
CARY MFG. CO. (Crate, Box, etc.), 19 Roosevelt, New York. (See adv. index, end of book)
STANLEY WORKS ("Atwood," Wrought Steel Hinges & Fasts), New Britain, Conn. (See adv. index & branch offices, end of book)

Hinges (Butt)

Barrows Lock Co., Lockport, Ill.

BOMMER SPRING HINGES
257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Bronson, Homer Co. (Wrought Brass), Beacon Falls, Conn.
Chicago Hardware Co., North Chicago, Ill.
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Clark Mfg. Co. (Cast Door), 260 Chandler, Buffalo, N. Y.
Corbin, P. & F., New Britain, Conn.
Detroit Shipbuilding Co. (Brass Department), Detroit, Mich.
Griffin Mfg. Co. (Steel), Erie, Pa.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. (Wrought Steel), Allegheny, Pa.
National Mfg. Co. ("National"), Sterling, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co. (Bronze Cast), Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Root, C. J. (Wrought Brass), Bristol, Conn.
Russell & Erwin Mfg. Co. (Brass, Bronze, etc.), New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Schroder, J. B., & Co. (Brass, etc.), 132 E 5th, Cincinnati, O.
Scovill Mfg. Co. (Brass), Waterbury, Conn.
Stover Mfg. Co., Freeport, Ill.
Waterbury Brass Goods Corporation (Brass), Waterbury, Conn.
Western Brass Mfg. Works (Cast Brass or Bronze), 21st & Rockwell, Chicago, Ill.
Yale & Towne Mfg. Co. (Brass & Bronze), 9 Murray, New York

Hinges (Cellar Door)

Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.

Hinges (Cigar Box)

Grammes, L. F. & Sons, Allentown, Pa.
Schoenhut, A. Co., 2215 Adams, Phila., Pa.

Hinges (Circular Door & Window)

Hoeg, R. C. & Co., 11th & Catharine, Philadelphia, Pa.

Hinges (Closet Door)

BOMMER SPRING HINGES
257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Edwardsville Brass Co. (Double Acting Spring), Edwardsville, Ill.
Niles Mfg. Co. (Double Acting), 153 S Jefferson, Chicago, Ill.

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THE STANLEY WORKS

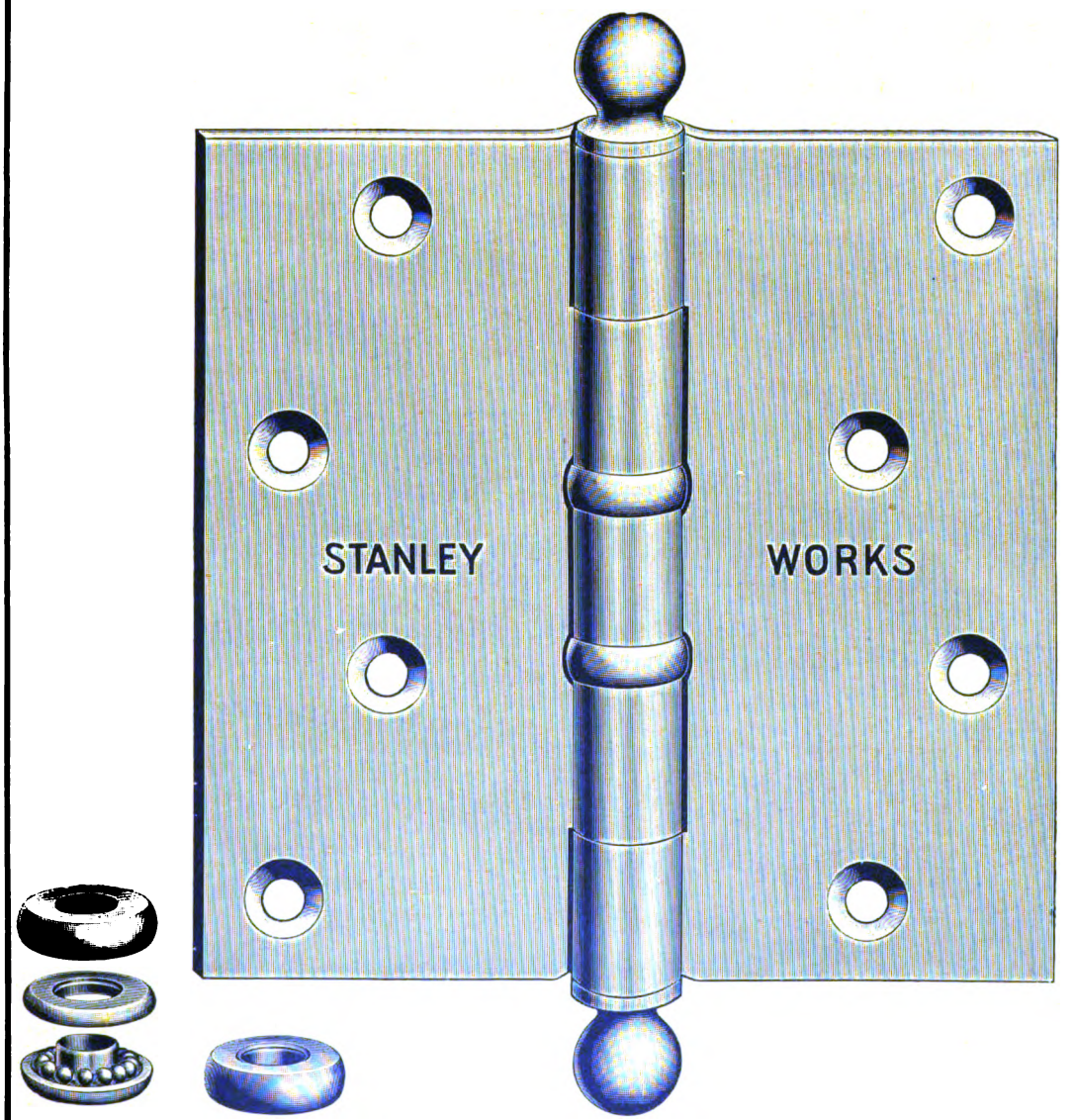
NEW BRITAIN, CONN.

79 Chambers St., New York and 15 Lake St., Chicago, Ill.

MAKERS OF

WROUGHT STEEL BUTTS, DOOR BOLTS, HINGES, ETC.

ALSO COLD ROLLED STRIP STEEL FOR ALL PURPOSES



BALL BEARING Butts in Wrought Bronze and Steel. The Ideal Butt for Heavy Doors.
No friction in the joint, consequently no wear. No oil or grease to disfigure finishes and gather dust.
The washer is so constructed that it will not come apart. No creaking of door. Low Cost.

CORRESPONDENCE FROM ARCHITECTS SOLICITED.

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BOMMER SPRING HINGES

ARE QUALITY GOODS

But Cost No More than the Substitutes

Gold Medals

St. Louis, 1904.
Buffalo, 1901. Omaha, 1898.
Paris, 1900. Liège, 1905.

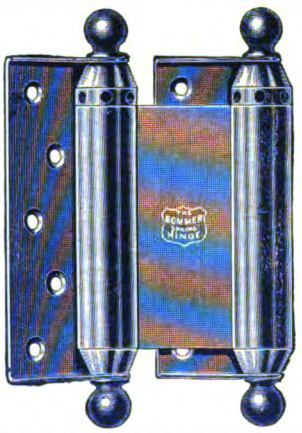
Trade Mark

THE BOMMER SPRING HINGE

Reg. U. S. Pat. Off.

Our Trade Mark

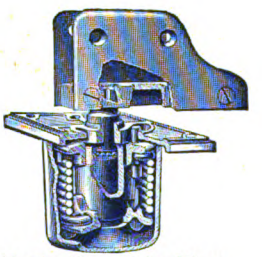
on a Spring Hinge means the best that can be made.



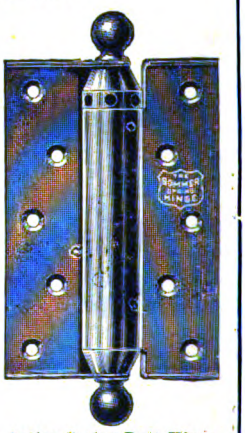
Double Action Spring Butt Hinge.



Surface Floor Spring Hinge For Fastening to Surface of Floor



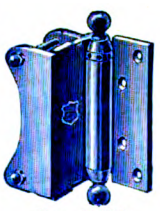
Mortise Floor Spring Hinge For Mortising Into Floor.



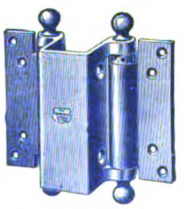
Single Action Spring Butt Hinge

Bommer Spring Hinges last as long as the door. They are made of heavier metal than others. The springs never go lame, being made of tempered steel wire in our own factory. The bearings are solid steel. Every pair of Bommer Spring Hinges are guaranteed to give satisfaction.

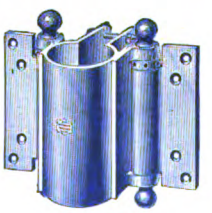
BOMMER LAVATORY SPRING HINGES



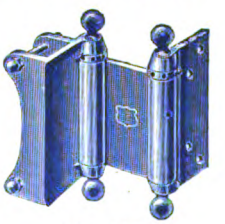
No. 1000
Single Action



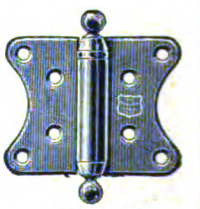
No. 1015
Yoke Hinge



No. 1017
Standard Pipe Hinge



No. 1005
Double Action



No. 1011
Surface Hinge

Your Hardware Merchant Can Supply Them.

Manufactured by

BOMMER BROTHERS, - Brooklyn, N. Y.

Established 1876

CATALOG MAILED ON REQUEST

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Hinges (Closet Seat)

Brass Goods Mfg. Co., Nevin & Union, Brooklyn, N. Y.
Chicago Spring Butt Co. (Spring), 54 Union Park pl, Chicago, Ill.
Crescent Mfg. Co., Connellsville, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Ireland & Matthews Mfg. Co., Detroit, Mich.
Ohio Pump & Brass Co., Columbus, O.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Pickering, R. S., Sharon Hill, Pa.
Reading Hardware Co., Reading, Pa.
Springfield Brass Co. (Brass & Nickel), Springfield, O.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Waterbury Mfg. Co. (Brass), Waterbury, Conn.
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.
Wise, J. B., Watertown, N. Y.

Hinges (Continuous)

Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Waterbury Brass Goods Corporation, Waterbury, Conn.

Hinges (Double-Acting Spring)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Niles Mfg. Co., 153 S Jefferson, Chicago, Ill.
Stover Mfg. Co. ("New Idea"), Freeport, Ill.
Van Wagoner Co. (Ball Bearings), Lima, O.
Western Brass Mfg. Works (Cast Brass, Nickel Plated, etc.), 21st & Rockwell, Chicago, Ill.

Hinges (Engine House)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.

Hinges (Factory Door)

Dayton Malleable Iron Co. (Malleable Iron), Dayton, O.
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)

Hinges (Fancy Box)

Hassall, John (Also Catches & Trimmings), 171 Lafayette, New York

Hinges (Fire Shutter)

Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.

*Hinges (Flask)

STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

Hinges (Floor)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co. (Double Acting), 54 Union Park pl, Chicago, Ill.
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Lawson Mfg. Co. ("Matchless" Double Acting Ball Bearing Spring, etc.), 40 Dearborn, Chicago, Ill., & Racine, Wis.
Shelby Spring Hinge Co. ("Shelby," "Chief" Double Acting Spring, Ball Bearing, etc.), Shelby, O.

Hinges (Gate)

American Foundry & Mfg. Co., St. Louis, Mo.
Clark Mfg. Co., 260 Chandler, Buffalo, N. Y.
Griffin Mfg. Co. (End Gate), Erie, Pa.
Hardware & Woodenware Mfg. Co. (Self-Closing), 693 B'way, New York
Hazel Atlas Glass Co., Wheeling, W. Va.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Parker, Chas. O., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.
Reading Hdwe. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Susquehanna Casting Co., Wrightsville, Pa.
Wilcox Mfg. Co. (Double Acting, Steel, etc.), **Aurora, Ill.**
Wrightsville Hardware Co. ("Shepherd's" or **"Clark's" Reversible & Self-Closing Hinges & Latches), Wrightsville, Pa.**
Yale & Towne Mfg. Co., 9 Murray, New York

Hinges (Green House Sash)

Carmody, J. D. (Indestructible), Evansville, Ind.

Hinges (Invisible)

Columbian Hardware Co. ("Columbian"), Cleveland, O.
Soss Invisible Hinge Co. ("Soss"), 797 Greenwich, New York

Hinges (Mirror)

Independent Steel & Wire Co., Pittsburg, Pa.

Hinges (Office Gate)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Columbian Hardware Co. ("Gem" & "Oxford"), Cleveland, O., & 168 Church, New York
Griffin Mfg. Co., Erie, Pa.

Hinges (Piano & Organ)

Bronson, Homer D. Co. (Brass), Beacon Falls, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Wise, J. B., Watertown, N. Y.

Hinges (Plate)

Hager, C. & Sons Hinge Mfg. Co. 242 De Kalb, St. Louis, Mo.
Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.

Hinges (Refrigerator)

Brass Goods Mfg. Co., Nevin cor. Union, Brooklyn, N. Y.
Griffin Mfg. Co., Erie, Pa.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
STANLEY WORKS (Wrought Brass, Plain & Corrugated & Wrought Steel Ball Bearing), New Britain, Conn. (See adv. index & branch offices, end of book)
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

Hinges (Screen Door)

Arcade Mfg. Co. ("A-O" & "Arcade"), Freeport, Ill.

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Columbian Hardware Co. ("Columbian," "Cloverleaf," "Columbia" & "Acorn), Cleveland, O., & 168 Church, New York
Hoffman Hinge & Foundry Co., Hubbard, Porter & Burlington Sts, Cleveland, O.
Kees, F. D. Mfg. Co. ("Gossett," for Window Screens), Beatrice, Neb.
Prouty, T. C. Co. Ltd., Albion, Mich.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Schatt & Morgan Cutlery Co., Titusville, Pa.
Shelby Spring Hinge Co. ("Buckeye" & "O-Hi-O," Detachable), Shelby, O.
Stover Mfg. Co., Freeport, Ill.
Van Wagoner Co., Lima, Ohio.

Hinges (Screw Hook & Eye)

Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.

Hinges (Sewing Machine)

Wise, J. B., Watertown, N. Y.

Hinges (Showcase)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
VOELKNER & HARRY MANUFACTURing Co. (With or Without Spring), 125 Woodbridge, W., Detroit, Mich. (See adv. index, end of book)

Hinges (Shutter)

(See Hinges, Blind & Shutter)

Hinges (Spring, Bank & Office Railing)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Orr & Lockett Hardware Co., 50 State, Chicago, Ill.

Hinges (Spring Butt)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Columbian Hardware Co. ("American," "Gem," "Oxford" & "Columbian"), Cleveland, O., & 168 Church, New York
Van Wagoner Co. (Ball Bearing, Wrought Steel), Lima, O.

Hinges (Spring Door)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Bardsley, Joseph, 149 Baxter, N. Y.

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Cleveland Lock Co., 1297 E 38th, N E, Cleveland, O.
Columbian Hardware Co. ("American," "Gem," "Oxford" & "Columbian"), Cleveland, O., & 168 Church, New York
Joliet Spring Hinge Co., Joliet, Ill.
Payson Mfg. Co., 1319 W Jackson boul, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Scovill Mfg. Co. (Brass), Waterbury, Conn.
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co. ("Ideal"), Freeport, Ill.
Van Wagoner Co. (Ball Bearing), Lima, O.

Hinges (Spring, for Hardwood Doors)

(See Hinges, Spring Butt)

*Hinges (Spring, for Interior Marble Work)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Hinges (Spring, Iron Railing)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Columbian Hardware Co., Cleveland, O., & 168 Church, New York

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Hinges (Spring Lavatory)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.

Hinges (Spring, Marble Work)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.

Columbian Hardware Co. ("American," "Gem," "Oxford" & "Columbian"), Cleveland, O., & 168 Church, New York

*Hinges (Spring, Palace Railway Car)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Hinges (Spring, Safe Makers')

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.

Columbian Hardware Co., Cleveland, O., & 168 Church, New York

Hinges (Spring Wrought Brass & Bronze Door)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.

Columbian Hardware Co., Cleveland, O., & 168 Church, New York

Hinges (Spring, Wrought Steel)

BOMMER SPRING HINGES

257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.

Columbian Hardware Co., Cleveland, O., & 168 Church, New York

Griffin Mfg. Co., Erie, Pa.

Hager, C. & Sons Hinge Mfg. Co., 2427 De Kalb, St. Louis, Mo.

Hazel Atlas Glass Co., Wheeling, W. Va.

Lawrence Bros., Sterling, Ill.

McKinney Mfg. Co., Allegheny, Pa.

Reading Hardware Co., Reading, Pa.

Van Wagoner Co. (Ball Bearing), Lima, O.

Hinges (Storm Window)

Kees, F. D. Mfg. Co., Beatrice, Neb.

Hinges (Strap & T)

ACME STEEL GOODS CO. ("Acme" Wrought Steel), 2834 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)

Aetna Nut Co., Southington, Conn.

Griffin Mfg. Co. (Pressed Steel), Erie, Pa.

Hager, C. & Sons Hinge Mfg. Co., 2427 De Kalb, St. Louis, Mo.

Hazel Atlas Glass Co., Wheeling, W. Va.

Kohler, F. E. & Co., Canton, O.

Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.

Lawrence Bros. (Steel), Sterling, Ill.

McKinney Mfg. Co. (Wrought Steel), Allegheny, Pa.

Maryland Hinge Co., Baltimore, Md.

Oliver Iron & Steel Co. (Screw & Strap Hinges), Pittsburg, Pa.

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

STANLEY WORKS (Wrought Steel, Plain & Corrugated), New Britain, Conn., & 79 Chambers, New York. (See adv index & branch offices, end of book)

Wilcox, Crittenden & Co., Middletown, Conn.

WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Zimmerman, Harry, & Co. ("Zimmerman's Anti-Sag" Strap), Fremont, O.

*Hinges (Trunk)

STANLEY WORKS (Wrought), New Britain, Conn. (See adv. index & branch offices, end of book)

*Hinges (Wash Tray)

STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

Hinges (Wire)

ACME STEEL GOODS CO. ("Acme"), 2834 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)

Pickering, R. S. (Box), Sharon Hill, Pa.

Reading Hardware Co., Reading, Pa.

Smith, F. P. & Co. (Wire Box), Sharon Hill, Pa.

Springfield Brass Co. (Brass & Nickel Plate), Springfield, Mass.

*Hinges (Wrought Brass Corrugated)

STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)

Hinges (Wrought Steel Butt)

(See Hinges, Spring, Wrought Steel)

Hitchings (Mine Car)

Harris, Wm. & Son, Allegheny, Pa.

Irwin Foundry & Mine Car Co., Irwin, Pa.

MACOMBER & WHYTE ROPE CO. ("Monarch"), 266 S Clinton, Chicago, Ill. (See adv. index & branch offices, end of book)

Niles Mine & Mill Supply Co. (Clevis & Hook), Cleveland, O., & Niles, O.

Phillips Mine & Mill Supply Co., Pittsburg, Pa.

Standard Chain Co., Pittsburg, Pa.

Stine, S. B., Osceola Mills, Pa.

Treadwell, M. H. Co., 90 West, New York; Works: Lebanon, Pa.

Hitchings (Screw)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hobs (Bolt Cutter)

Card, S. W. Mfg. Co., Mansfield, Mass.

Ellison Bros., Frankford, Philadelphia, Pa.

HELWIG MFG. CO., National German-American Bank bldg, St. Paul, Minn. (See adv. index, end of book)

Putnam Machine Co., Fitchburg, Mass.

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Hobs (Die)

Brubaker, W. L. & Bros. (Solid), Millersburg, Pa.

Carpenter, J. M., Tap & Die Co. (Solid, Open Sellers), Pawtucket, R. I.

WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Hobs (Worm)

Becker Milling Machine Co., Hyde Park, Mass. 174 Fulton, New York

Brown & Sharpe Mfg. Co., Providence, R. I.

Gould & Eberhardt, Newark, N. J.

Niles-Bement-Pond Co., 111 B'way, New York

Union Twist Drill Co., Athol, Mass.

Hod Hoisting Machines

(See Elevators, Hod)

Hods (Coal)

Buffalo Mfg. Co., Buffalo, N. Y.

Central Stamping Co. ("Columbia," "Central"), 174 Fulton, New York

Dover Stamping & Mfg. Co., Cambridge, Mass.

Geuder & Paeschke & Frey Co., Milwaukee, Wis.

Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.

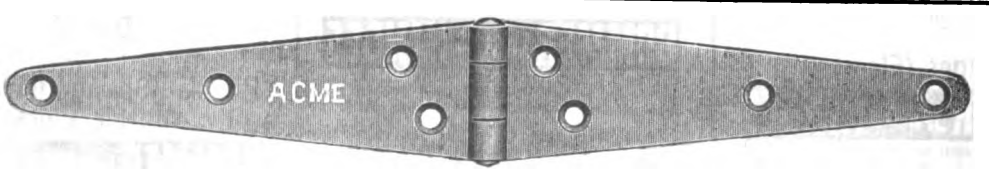
New England Enameling Co. (Galvanized Iron), Middletown, Conn.

Pfiefer, Jno. & Co., 224 Race, Philadelphia, Pa.

Victor Stamping Co. ("Victor" Galvanized & Japanned), Twightwee, Ohio

Wheeling Corrugating Co., Wheeling, W. Va.

A C M E



A C M E

A full line of WROUGHT STRAP and T HINGES; HASPS and STAPLES---plain and double hook. Box, Chest and End Gate Hinges. Box Locks and Fixtures.

MANUFACTURED BY

ACME STEEL GOODS CO.

2834 Archer Avenue, CHICAGO
147 Lafayette Street, NEW YORK CITY
Empire Building, ATLANTA, GA.
Cable Address, A. F. C. Co., Western Union.

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Hods (Mortar & Brick)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich
Cleveland Wire Spring Co. ("Hercules" Steel), Cleveland, O.
Honhorst, Joseph Co. (Steel), Cincinnati, O.
Johnson & Halvey, 641 Water, New York
Lansing Wheelbarrow Co., Lansing, Mich.
Storts, Jno. & Son, 210 Vine, Phila., Pa.

Hoe Mfrs.

American Axe & Tool Co. (Grub), Glassport, Pa., & 253 B'way, New York
American Fork & Hoe Co. (Boys, Field, Garden, Mortar Mixer, Ladies' Cultivator, Planters, Onion Weeders, Turnip Weeding, etc.), Cleveland, O.
Bradley's, C. W. Sons (Inc.) (Cranberry, Shuffle, Garden Seed & Grub), Westport, Conn.
Brown, Hinman & Huntington Co. (Garden, Mortar, Planters, etc.), Memphis, Tenn.
Chantrell Tool Co. (Garden Hoes), Reading, Pa., & 103 Reade, New York
Collins Co., Collinsville, Conn., & 212 Water, New York
Cronk & Carrier Mfg. Co. (Weeding & Garden), Elmira, N. Y.
Derby & Ball, Bellows Falls, Vt.
Harriman Hoe & Tool Co. ("Razor Edge," Mortar, Planters, Cotton, Field or Garden "Champion," Wedding, etc.), Harriman, Tenn
Hoist Co., 200 S William, New York
Hussey-Binns Shovel Co. (Crucible Cast Steel Scuffle), Pittsburg, Pa.
Hussey Plow Co., No. Berwick, Me.
Iowa Farming Tool Co., Fort Madison, Iowa
Iron City Tool Works (Grub, Palmetto, etc.) 32d & Smallman, Pittsburg, Pa.
Jelliff, C. O. Mfg. Corp. (Onion), Southport, Conn
Klein-Logan Co. (Grub, Palmetto, etc.), S 18th, Breed, Pittsburg, Pa.
Kohler, F. E. & Co. (Garden or Field), Canton, O.
Mack & Co. (Grub, Grape, etc.), Rochester, N. Y
Maynard, C. A. (Planters), Northampton, Mass.
North Wayne Tool Co. (The C. C. Brooks), Hollowell, Me.
Owensboro Shovel & Tool Co. (Goose Neck Cotton, Planter, Garden, Southern Meadow, etc.), Owensboro, Ky.
Piggott Mfg. Co., Detroit, Mich.
Pittsburg Tool & Drop Forge Co. (Grub), Chesswick, Pa.
Plumb, Fayette R. Frankford, Phila., Pa.
Rock River Mfg. Co. "Self-Cleaning," Dixon, Ill.
Sandusky Tool Co. (Planters, Grub, Grape, Tobacco, Rice, Cane, Cotton, Street Cleaning, etc.), Sandusky, O.
Scovil, D. & H. ("Scovil" Hoes), Higganum, Conn
Smith, Jno. C., 510 Parrett, Evansville, Ind.
Union Fork & Hoe Co. (Field, Cotton, Garden, Mortar Mixing, Planters, Chopper, Sugar Cane & Shuffle), Columbus, O.
Union Furnace Mfg. Co. (Malleable Iron), Union Furnace, Pa.
Warwood Tool Co. (Grub & Hasel), Wheeling, W. Va.

Hoes (Accomac)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hoes (Grub)

American Axe & Tool Co., Glassport, Pa.
Bateman Mfg. Co., Grenloch, N. J.
Bradley's, C. W. Sons (Inc.), Westport, Conn.
Iron City Tool Works, Pittsburg, Pa.
Klein, Logan Co., Pittsburg, Pa.
Mack & Co., Rochester, N. Y.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Sandusky Tool Co., Sandusky, O.
Warwood Tool Co. (Also Hazel, Vineyard, etc.), Wheeling, W. Va.

Hoes (Horse)

Adams, G. & Son, Rome, N. Y.
Allen, S. L. & Co., 1107 Market, Phila., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bateman Mfg. Co., Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass
Bement's, H. Sons, Lansing, Mich.
Benecia Agricultural Works, Benecia, Cal.
Bradley, David Mfg. Co., Bradley, Ill.
Farquhar, A. B. Co., York, Pa.
Hussey Plow Co. (Potato), No. Berwick, Me
International Harvester Co. of America (& Cultivators), Chicago, Ill.

Hoes (Onion)

Jelliff, C. D., Mfg. Corporation, Southport, Conn.

Hoes (Wheel)

Allen, S. L. & Co., 1107 Market, Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Fuller Mfg. Co., Danvers, Mass.
Fuller & Johnson Mfg. Co., Racine, Wis.
Hussey Plow Co., North Berwick, Me.
Jelliff, C. O. Mfg. Corporation, Southport, Conn.
Moline Plow Co., Moline, Ill.
Piggott Mfg. Co., 9 Woodward av, Detroit, Mich.

Hogsheads

Armer, J. T. & Sons, Augusta, Ky.
BALTIMORE COOPERAGE CO., THE (For Wine Mfrs.), c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Columbus Barrel Mfg. Co., Columbus, Ga.
Downing Co., Columbus, Ga.
Elk River Stave Company, Charleston, W. Va.
Fridman Lumber Co., N. Richmond, O.
Kansas City Cooperage Co., Kansas City, Mo.
Mayfield Planing Mills, Mayfield, Ky.
Newark Cooperage Works, 39 Alyea, Newark, N. J.
Portland Cooperage Co., Portland Me.
Ryan, John, Hoboken, N. J.
Turner, L. B., Oxford, N. C.
Williams S. C. & Co. East Liverpool, O.

Hoisting Engines

(See Engines, Hoisting)

Hoists (Air Motor)

(See Pneumatic Hoists)

Hoists (Ammunition)

Yale & Towne Mfg. Co. (Triplex Trolley Blocks), 9 Murray, New York

Hoists (Ash)

Bethlehem Foundry & Machine Co. ("Excelsior" for Apartment Houses, etc.), South Bethlehem, Pa.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
NORTHERN ENGINEERING WORKS (For Power Plants), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Q. M. S. Co., Plainfield, N. J.
SPEIDEL, JOHN G. (Cellar), Reading, Pa., (See adv. index, end of book)
STORM MFG. CO., Newark, N. J. (See adv. index & branch offices, end of book)

Hoists (Automobile)

Ginter, J. M., Wooster, O.
Yale & Towne Mfg. Co., 9 Murray, New York.

*Hoists (Belt)

AMERICAN HOIST & DERRICK CO. (Double Friction Drum), St. Paul, Minn. (See adv. index & branch offices, end of book)
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO. (Single & Double Friction Drum), Harrison, N. J. (See adv. index & branch offices, end of book)

*Hoists (Blast Furnace)

OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)

Hoists (Builders')

(See Hoists, Contractors' Material; also Elevators, Hod)

*Hoists (Builders' Electric)

(See also Elevators, Hod)

MEAD-MORRISON MFG. CO. (for Platform Elevators), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

HENDRICKS' COMMERCIAL REGISTER IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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FIG. 300.

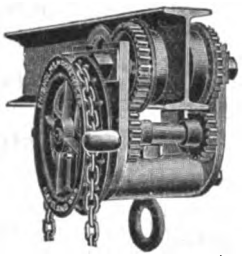


FIG. 112.

GEARED TROLLEY.

FIG. 300

"CYCLONE" HIGH SPEED CHAIN HOIST.

FIG. 101.

"DIRECT" DIFFERENTIAL PULLEY BLOCK.

SEND FOR CATALOGUE.



FIG. 101.

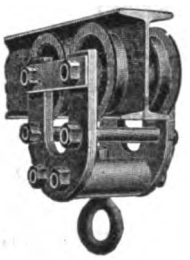


FIG. 113.

PLAIN TROLLEY.

FIG. 100.

"MOORE" ANTI-FRICTION CHAIN HOIST.

The CHISHOLM & MOORE MFG. CO.

CLEVELAND, OHIO.



FIG 100.

Hoists (Building Material, Electric)

Grable-Dunn Co. ("Grable." Push the Button), 119 La Salle, Chicago, Ill.

Hoists (Chain)

(See also Pneumatic Hoists)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.

Box, Alfred & Co., 813 N Front, Philadelphia, Pa.

CHISHOLM & MOORE MFG. CO. ("Moore's" Anti-Friction, with Automatic Brake "Cyclone," High Speed Direct Differential), 49th & Lake, Cleveland, O. (See adv. index, end of book)

Cleveland Crane & Car Co. (Traveling), Wickliffe, O.

Climax Hoist Co. ("Climax"), 1753 N Howard, Phila., Pa.

Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Columbia Machine Works & Malleable Iron Co., 289 Chestnut, Brooklyn, N. Y.

Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.

Curtis & Co. Mfg. Co., St. Louis, Mo.

Dake Engine Co. (Pneumatic), Grand Haven, Mich.

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Dunn, Jas. P., 3043 Superior, N E, Cleveland, Ohio

Empire Engine & Motor Co. ("Empire" Pneumatic), Orangeburg, N. Y.

FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)

G. & W. MFG. CO. (Also Rope), 26 Cortlandt, New York. (See adv. index, end of book)

Hamburg Mfg. Co., Hamburg, Pa.

Harrington, Edwin Son & Co. ("Peerless" Spur Geared & Harrington "Screw"), 17th & Callowhill, Philadelphia, Pa.

Hobbs, Clinton E. ("Weston"), 10 Pearl, Boston, Mass.

IRVING MFG. & TOOL CO. (J. F. McCoy, Prop.), 169 Chambers, New York. (See adv. index, end of book)

Lane Bros. Co., Poughkeepsie, N. Y.

Moore, Franklin Co. ("Acme," "Imperial," ¼ to 20 tons), Winsted, Conn.

NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York

Ney Mfg. Co. (Rope), Canton, O.

NORTHERN ENGINEERING WORKS ("Electric"), 9 Chene, Detroit, Mich. (See adv. index, end of book)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Reading Chain Block Works, Reading, Pa.

READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Round, D. & Son (Hoists & Cranes), 7625 B'way, S. E, Cleveland, O.

SPEIDEL, JOHN G. ("Economy," "Safety"), Reading, Pa. (See adv. index, end of book)

Wagner-Palmros Mfg. Co., Fairmont, W. Va.

Yale & Towne Mfg. Co. (Triplex, Spur Geared & Duplex Screw Geared), 9 Murray, New York

*Hoists (Coal Handling)

NORTHERN ENGINEERING WORKS (For Unloading Cars, Vessels, etc.), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

*Hoists (Coal, Incline Traveling)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

*Hoists (Combined with Trolley)

READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Hoists (Concrete Bucket)

KOEHRING MACHINE CO. ("Koehring"), Milwaukee, Wis. (See adv. index, end of book)

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

Wallace-Lindesmith Hoist Co., Los Angeles, Cal.

Hoists (Contractors' Material)

Holton & Weatherwax Co. (Ltd.), Jackson, Mich.

Patten Mfg. Co. ("Painter" Patent, Double Platform, Electric, Gasoline & Steam), Chattanooga, Tenn.

*Hoists (Cylinder)

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

*Hoists (Distillate)

FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

Hoists (Dock & Deck)

Automatic Machine Co., Bridgeport, Conn.

Barrett, A. F. & Co., Saginaw, Mich.

Contractors' Plant Mfg Co., 129 Erie, Buffalo, N. Y.

Dake Machine Co. (Pneumatic or Steam), Grand Haven, Mich.

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)

Jackson & Church Co., Saginaw, Mich.

LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Maris Bros., 56th c Gray's av, Phila., Pa.

MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)

MUNDY, J. S. (Electric & Steam), 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)

NORTHERN ENGINEERING WORKS ("Electric"), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

Union Iron Works Co., San Francisco, Cal.

Williamson Bros., Aramingo av & Cumberland, Phila., Pa.

Hoists (Drum)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index and branch offices, end of book)

Dodge Mfg. Co., Mishawaka, Ind.

FAIRBANKS, MORSE & CO. (Double Drum), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

FLORY, S. MFG. CO. (Belt & Electric Single & Double Friction, for Quarries, Mines, etc.), Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)

Hoists (Electric)

(See also Pneumatic Hoists; also Cranes, Hand Power; also Cranes, Electric)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

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AMERICAN HOIST & DERRICK CO. (Single & Double Friction Drum, etc.), St. Paul, Minn. (See adv. index & branch offices, end of book)
Armington Electric Hoist Co., Wickliffe, O.
Bartholomew, H., Phoenixville, Pa.
BARTLETT, C. O. & SNOW CO. (For Steam Ship Fueling Lighters), Cleveland, O. (See adv. index, end of book)
Box, Alfred & Co. (Monorail, etc.), 813 N Front, Phila., Pa.
BROWN HOISTING MACHINERY CO., St. Clair, N E, Cleveland, O., & 50 Church, New York. (See adv. index, end of book)
Browning Engineering Co., Cleveland, O.
CARLIN'S, THOS., SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Case Crane Co., St. Clair & Curtis avs, Columbus, O.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Cleveland Crane & Car Co. (Traveling, Plain & Trolley Type), Wickliffe, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Denver Engineering Works Co., Blake & 30th, Denver, Col.
Detroit Engineering Works, Chene & Guoin, Detroit, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
English Iron Works Co. ("Samson"), Kansas City, Mo.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hunt, C. W., Co., West New Brighton, S. I., N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
LAMBERT HOISTING ENGINE CO., Main Office & Works: 115-121 Poinier, Newark, N. J., & 149 B'way, New York. (See adv. index, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
McMyler Mfg. Co., Cleveland, O.
Maine Electric Co., Portland, Me.
Marquette, John N. (Reversible, Friction), 509 S Eden, Baltimore, Md.
MEAD-MORRISON MFG. CO. (Gearless), Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Modern Steel Structural Co., Waukesha, Wis.
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO. (Double Friction Drum, etc.), Harrison, N. J. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS (Chain), 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Ottumwa Iron Works, Ottomwa, Iowa
Patten Mfg. Co. ("Painter"), Chattanooga, Tenn
Pawling & Harnischfeger, Milwaukee, Wis.
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Portland Co., Portland, Me.
San Francisco Engineering Co., San Francisco, Cal
Shepard Electric Crane & Hoist Co., Montour Falls, N. Y., & 149 B'way, New York
Shriver, T. & Co., Harrison, N. J.
Sprague Electric Co., 527 W 34th, New York
Sturtevant, B. F. Co., Hyde Park, Mass.
Wellman-Seaver-Morgan Co., Cleveland, O.
Yale & Towne Mfg. Co., 9 Murray, New York
WHITING FOUNDRY EQUIPMENT CO., Harvey, Ill. (See adv. index & branch offices, end of book)

Hoists (Electric Chain)

NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Sprague Electric Co., 527 W 34th, New York

Hoists (Electric Mine)

Denver Engineering Works Co., Denver, Col.
Goodman Mfg. Co., 39th & Stewart av, Chicago, Ill.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Lake Shore Engine Works, Marquette, Mich
LAMBERT HOISTING ENGINE CO., 119 Poinier, Newark, N. J., & 149 B'way, New York. (See adv. index, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Colo.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
PHOENIX ELECRIC CO., Mansfield, O. (See adv. index, end of book)
Wellman-Seaver-Morgan Co., Cleveland, O., & Akron, O.
Willamette Iron & Steel Works, Portland, Ore.

*Hoists (Electric, Reversible Friction)

MONIGHAN MACHINE CO., 813 Carroll av, Chicago, Ill. (See adv. index, end of book)

Hoists (Electric Traveling)

(See also Cranes, Electric Traveling)

Case Crane Co., St. Clair & Curtis avs, Columbus, O.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Niles, Bement Pond Co., 111 B'way, New York.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Shepard Electric Crane & Hoist Co., Montour Falls, N. Y., & 149 B'way, New York
Sprague Electric Co., 527 W 34th, New York
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Hoists (Electric Trolley)

(See Hoists, Electric Traveling)

Hoists (Friction & Flat Friction)

Caldwell, H. W. & Son Co. (Hanger & Horizontal Type), 17th & Western av, Chicago, Ill.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Marquette, Jno. N. (Friction Only), 507 S Eden, Baltimore, Md.
Massillon Foundry & Machine Co., Massillon, O.
Wallace-Lindesmith Hoist Co., Los Angeles, Cal.

Hoists (Gasoline)

Alamo Mfg. Co., Hillsdale, Mich.
Corliss Gas Engine Co. (Corliss Mining), 227 Folsom, San Francisco, Cal.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Foos Gas Engine Co. (Mine), Springfield, O.
NORTHERN ENGINEERING WORKS, 9 Chene Detroit, Mich. (See adv. index & branch offices, end of book)
Patten Mfg. Co. ("Painter"), Chattanooga, Tenn.
Price, G. W., Pump & Engine Co., San Francisco, Cal.
Union Gas Engine Co. (Gas), San Francisco, Cal.
Western Gas Engine Co., Los Angeles, Cal.
Western Machinery & Mining Supply Co. (Self Starting), Reno, Nev.
Witte Iron Works Co., Kansas City, Mo.

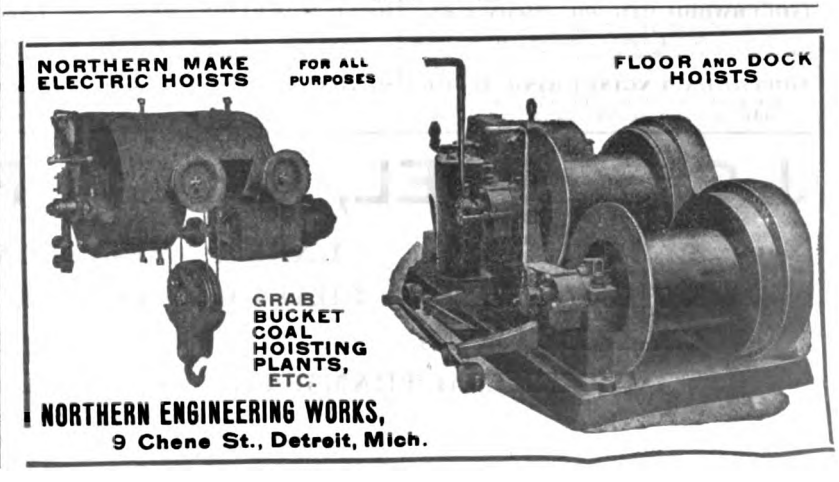
Hoists (Grip, for Hand Elevators)

Arthur Co., 188 Front, New York
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)

Hoists (Hand)

(See also Elevators, Hand)

AMERICAN HOIST & DERRICK CO. (Also Belt), St. Paul, Minn. (See adv. index & branch offices, end of book)
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Case Crane Co. (Hand Power.), St. Clair & Curtis avs, Columbus, O.
CHISHOLM & MOORE MFG. CO. ("Moore's" Hand Hoist with Lock Brake), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Coburn Trolley Track Mfg. Co. (Rope Block), Holyoke, Mass.
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
Dedrick's, D. K. Sons, Albany, N. Y.
DOBBIE FOUNDRY & MACHINE CO., (Hand Power), Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Great Lakes Engineering W'ks (For Ice Cans), Detroit, Mich.
Hassell Iron Works Co. (Also Horse Power), Colorado Springs, Colo.
Hunt, Helm, Ferris & Co. ("Star" Rope & Block), Harvey, Ill.
Ideal Fence Co., Adrian, Mich.
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
Larrabee, Jno. E. (Portable), Amsterdam, N. Y.
Lord, Bowler & Co., 1004 Centre, Cleveland, O
Mason, Volney W. & Co. (Hand), Providence, R. I.



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Mine & Smelter Supply Co. (Hand for Mines, etc.), Denver, Colo.
Moore, Franklin Co., Winsted, Conn.
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
Ney Mfg. Co., Canton, O.
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Q. M. S. Co., Plainfield, N. J.
READING CRANE & HOIST WORKS, Reading, Pa (See adv. index, end of book)
Shriver, T. & Co., Harrison, N. J.
SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
SPRAGUE CANNING MACHINERY CO. (Also Power for Canners, etc.), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
WARSAW ELEVATOR CO., Warsaw, N. Y., & Erie Co. B'k bldg, Buffalo, N. Y. (See adv. index & branch offices, end of book)
Yale & Towne Mfg. Co. (Chain), 9 Murray, New York

*Hoists (Hatchway & Out-Rigger)

SEDGWICK MACHINE WORKS, Poughkeepsie, N. Y., & 128 Liberty, New York. (See adv. index, end of book)

*Hoists (High Speed)

CHISHOLM & MOORE MFG. CO. ("Cyclone" Chain), 40th & Lake, Cleveland, O. (See adv. index, end of book)
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Hoists (Hod)

(See Elevators, Hod)

*Hoists (Horse)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)

Hoists (Hydraulic)

Sellers, Wm. & Co. (Inc.), 1000 Hamilton, Philadelphia, Pa.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Hoists (Mine)

Alamo Mfg. Co., Hillsdale, Mich.
Danville Foundry & Machine Co., Danville, Ill.
Davis, F. M. Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Blake & 30th, Denver, Colo.
Hassell Iron Works Co. (Also Horse Power), Colorado Springs, Col
Holmes, Robt. & Bros. ("Holmes" Automatic Gravity), Danville, Ill.
LIDGERWOOD MFG. CO. (Steam & Electric), 96 Liberty, New York. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co. (For Mines, etc.), Denver, Colo.
NORTHERN ENGINEERING WORKS Electric), 9 Cheney, Detroit, Mich. (See adv. index & branch offices, end of book)
OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Ottumwa Iron Works (Steam & Electric), Ottumwa, Iowa
Western Gas Engine Co., Los Angeles, Cal.

Hoists (Pneumatic)

(See Pneumatic Hoists)

Hoists (Portable)

G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Nicholls, Wm. S. (Up to 6,000 lbs. Capacity), 253 B'way, New York
Q. M. S. Co., Plainfield, N. J.
Yale & Towne Mfg. Co., 9 Murray, New York

Hoists (Quarry)

New Albany Mfg. Co. (Also Belt), New Albany, Ind.
SHAW, WILLIS, CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)

Hoists (Sidewalk)

(See Elevators, Sidewalk)

Hoists (Steam)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
Box, Alfred & Co., 813 N Front, Phila., Pa.
Browning Engineering Co., Cleveland, O.
Byers, John F. Machine Co., Ravenna, O.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
English Iron Works Co. ("Samson"), Kansas City, Mo.
FAIRBANKS, MORSE & CO. (Steam Geared), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. (See adv. index, end of book)
Hunt, C. W., Co., W. New Brighton, N. Y.
Ideal Fence Co., Adrian, Mich.
Jackson & Church Co., Saginaw, Mich.
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg., Chicago, Ill. (See adv index & branch offices, end of book)
Lord, Bowler & Co., 1004 Center, Cleveland, Ohio
Marine Iron Co., Bay City, Mich.
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Mineral Ridge Mfg. Co., Mineral Ridge, O.
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
N. Y. Cableway & Engineering Co., 1 Rector, New York
Ottumwa Iron Works, Ottumwa, Iowa.
Portage Lake Foundry & Machinery Co., Hancock, Mich.
Risdon Iron & Locomotive Works, Steuart & Folsom, San Francisco, Cal.
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Union Iron Works Co., San Francisco, Cal.
United Iron Works Co. ("Freeman" Geared), Joplin, Mo.
Wellman-Seaver-Morgan Co., Cleveland, O.
Whitcomb Bros. (For Granite Quarries, etc.), Barre, Vt.
Williamson Bros., Aramingo av & Cumberland, Phila., Pa.

Hoists (Telpher)

(See Telpherage, Electric Conveying)

Hoists (Traveling)

(See also Hoists, Electric Traveling)

Cleveland Crane & Car Co. (Hand or Electric Power, etc.), Wickliffe, Ohio
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
Quincy, Manchester, Sargent Co. (Trolley), Plainfield, N. J.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
SPEIDEL, JOHN G., Reading, Pa. (See adv. index end of book)
Yale & Towne Mfg. Co. (Chain or Electric), 9 Murray, New York

Hoists (Wheelbarrow)

(See also Elevators, Hod; also Hoists, Builders' Electric)

Patten Mfg. Co. ("Painter"), Chattanooga, Tenn.
Simpson Hod Elevating Co., Newark, N. J.

Holders (Automobile Tire)

Turner Brass Works, Sycamore, Ill.

Holders (Bag)

American Buncher Mfg. Co., Indianapolis, Ind.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bowsher, N. P. Co., South Bend, Ind.
Comstock, Geo. S., Mechanicsburg, Pa.
Great Western Mfg. Co. ("Mosher"), Leavenworth, Kan.
Nordyke & Marmon Co., Indianapolis, Ind.
Pearson Mfg. Co. (Sack Holder), Edwardsville, Kan.
South Bend Spark Arrester Co., South Bend, Ind.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
WEBSTER MFG. CO. ("Mosher"), 1075 W 15th, Chicago, Ill. (See adv. index & branch offices, end of book)

J. G. SPEIDEL, Reading, Pa.,

MANUFACTURER OF SPEIDEL'S PATENT

ELEVATORS. **HAND POWER TRAVELLING CRANES.**
DUMBWAITERS. **CHAIN HOISTS, HAND POWER HOISTS.**
CELLAR HOISTS. **ASH AND SIDEWALK LIFTS.**

OVERHEAD TRAMWAYS AND TRACKS COMPLETE.

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Holders (Bit Brace)

WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Holders (Brush)

Baylis Co. ("Reaction"), 140 Washington, New York
Eager Electric Co. ("Eureka"), Watertown, N. Y.
Eureka Commutator Brush Co., 440 National av, Milwaukee, Wis.
Eureka Tempered Copper Works, North East, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Perfection Supply Co., 621 B'way, New York
Pullman Mfg. Co., Rochester, N. Y.
Railway Steel Spring Co., 30 Church, New York

Holders (Candle)

Hess, H. G. ("Star Safety" X-Mass Tree), 37 E 3d, Cincinnati, O.
Kirchaf Patent Co. (M. Reinhardt, Prop.), (X-mas Tree), Newark, N. J.
Stortz, John, & Son (Plumbers'), 210 Vine, Phila., Pa.

Holders (Carbon)

Bogue, Chas. J. Elec. Co., 513 W 29th, New York
Central City Brass Mfg. Co., Syracuse, N. Y.
Phila. Electrical & Mfg. Co., 1232 N 31st, Phila., Pa
Turner Brass Works, Sycamore, Ill.

Holders (Card & Label)

Corbin Cabinet Lock Co. (Bronze & Brass), New Britain, Conn
Eagle Lock Co., Terryville, Conn.
Grammes, L. F. & Sons, Allentown, Pa.
Novelty Mfg. Co., Waterbury, Conn.
Phillips, A. J., Co., Fenton, Mich.
WILSON, F. CORTEZ & CO., 230 Lake, Chicago, Ill. (See adv. index, end of book)

Holders (Christmas Tree)

Donnelly, John ("Hub"), Branford, Conn.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
North Bros. Mfg. Co. ("Crown"), Lehigh av & American, Phila., Pa.
Osborn Mfg. Co. ("Osborn" Hardwood), Cleveland, O.
Peck, C. A. Hdw. & Mfg. Co. ("Gem"), Berlin.
Penn Hardware Co., Reading, Pa. Wis
Phoenix Hdwe. Mfg. Co., Homer, N. Y.
Rhinelander Refrigerator Co., Rhinelander, Wis.

Holders (Chucking Reamer)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.

Holders (Concrete)

Grabler Mfg. Co. (Steel, also Extension), Cleveland, O.

Holders (Copy)

Dudley Mfg. Co. ("Dudley" Loose Leaf, Book & Copy, etc.), Marion, O

Holders (Die & Tap)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Bay State Tap & Die Co., Mansfield, Mass.
Beaman & Smith Co. (Tap), Providence, R. I
Brannsdorf-Mueller Co., Elizabeth, N. J.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co. (Die Holders Only), Mansfield, Mass.
Carpenter, J. M. Tap & Die Co. (Bit Brace, Lathe), Pawtucket, R. I
Diamond Power Specialty Co. ("Diamond"), Detroit, Mich.
Geometric Tool Co. (Reversion of Tap Holder), New Haven, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Modern Tool Co., Erie, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Polk, A. J. & Son (Bit Brace), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Quint, A. D. (Tap), Hartford, Conn.
Reece, F. F. Co., Greenfield, Mass.
WELLS BROS. CO. ("Little Giant" Drill, etc.), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

Holders (Door)

(See Door Stops)

*Holders (Drill)

STAR EXPANSION BOLT CO. (Electrician's Brick & Stone), 147 Cedar, New York. (See adv. index & branch offices, end of book)
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Holders (Electric Drop Lamp)

Gail-Webb Mfg. Co. ("Universal"), Buffalo, N. Y.

Holders (Electric Lamp)

Brady, T. H., New Britain, Conn.
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Ohio Electric Specialty Mfg. Co., Troy, Ohio
Roome Mfg. Co. (Radical), Columbus, Ohio.
Zephyr Ventilator Mfg. Co. (Radial), Phila., Pa.

Holders (Extension Bit)

(See Bits, Expansive)

Holders (File)

Western Tool & Mfg. Co. ("Lutz" Universal), Springfield, O.

Holders (Fishing Rod)

Franklin Specialty Co. ("Rambler"), Reading, Pa.

Holders (Flag Pole)

Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
National Supply Co., 7 W Lombard, Baltimore, Md.

Holders (Hog)

Stearns, E. C. & Co., Syracuse, N. Y.

Holders (Label)

(See Holders, Card & Label)

Holders (Magnetic Lamp)

Aurora Electric Co., Aurora, Ind.
Stiles, H. A. & Co. ("Collom"), Boston, Mass.

Holders (Milk Jar)

Hamblin & Russell Mfg. Co., Worcester, Mass.

Holders (Mop)

(See Mop Sticks & Holders)

Holders (Pipe Nipple)

American Pin Co. (Brass), Waterbury, Conn.
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Curtis & Curtis Co., Bridgeport, Conn.
Fee & Mason (& for Flush Pipes), 81 Beekman.
Merrell Mfg. Co., Toledo, O. New York
Walworth Mfg. Co., 132 Federal, Boston, Mass.

*Holders (Punch)

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)

Holders (Radial Light)

Roome Mfg. Co. (Gas & Electric), Union Nat'l B'k bldg, Columbus, O.

Holders (Sack or Bag)

(See Holders, Bag)

Holders (Scraper)

Western Tool & Mfg. Co. ("Lutz" & "Lutz Universal"), Springfield, O.

Holders (Shade or Globe)

American Brass & Copper Co., 138 Lafayette, New York
Bridgeport Brass Co., Bridgeport, Conn.
Bryant Electric Co. (Electric), Bridgeport, Conn.
Gies, Wm. L. Co. ("Gies," Screwless), Belleville, N. J.
Goodwin & Kintz Co., Winsted, Conn.
Hubbell, Harvey (Inc.) ("Hubbell" Shade), Bridgeport, Conn.
J-E-M Shade Holder Co. ("J-E-M" for Incandescent Lights), 13 E 30th, New York
Kraushaar Brass Mfg. Co. (Aluminum Elec. Reflector Shades & Holders Combined, etc.), St. Louis, Mo.
Manhattan Brass Co., 338 E 28th, New York
Mitchell-Vance Co., 836 B'way, New York
Plume & Atwood Mfg. Co. (Gas & Electric Globe), Waterbury, Conn.
Remholf, Chas., 381 Kent av, Brooklyn, N. Y.
Standard Electric & Chemical Co. ("Universal"), 224 S Clinton, Chicago, Ill.
Steele & Johnson Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Valley Mfg. Co., New Kensington, Pa.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
White, Jas. H. Mfg. Co. 111 N 3d, Brooklyn, N. Y.

*Holders (Stake)

STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)

*Holders (Steel Shingle)

TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Holders (Tap)

(See Holders, Die & Tap)

Holders (Telephone Receiver)

Frady, E. C. Co. ("Adjustaphone"), 35 Rand, Chicago, Ill.
Graeber-Entrikin Mfg. Co. (Inc.), ("Invincible"), Chestnut, Phila., Pa.
Oliver Mfg. Co. ("Equipose"), 420 Sansom, Phila., Pa.
Staats Mfg. Co., Chicago, Ill.

Holders (Tire Bolt)

Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Holders (Toilet Paper)

A. P. W. Paper Co., Albany, N. Y.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Forsyth Mfg. Co. ("No. 803"), Buffalo, N. Y.
Franklin Specialty Co., Reading, Pa.
Shelby Spring Hinge Co. ("Satin," "Silk," Steel & Brass), Shelby, O.

Holders (Tool, Etc.)

Allman Gas Engine & Machine Co. ("Miller" Lathe), 29 Sullivan, New York
Armstrong Bros. Tool Co., 104 N San Francisco av, Chicago, Ill.
Bay State Tap & Die Co. (Die, Bit, Brace & Lathe), Mansfield, Mass.
Beaman & Smith Co. (Safety Drill & Tap), Providence, R. I.
Billings & Spencer Co., Hartford, Conn.
Bown Machine Co. ("Bown," for Lathe, Shaper & Planer), Battle Creek, Mich.
Brown & Sharpe Mfg. Co. (For Screw Machines, etc.), Providence, R. I.
Carr Bros. ("Carr"), Syracuse, N. Y.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Clifford Tool Co., Concord, N. H.
Colton Combination Tool Co. ("R. E. Colton's," for Lathe Tools), East Hampton, Mass.
Detroit Twist Drill Co. (Lathe Drill), Detroit, Mich.
Dwight Slate Machine Co., Hartford, Conn.

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Errington, Franklin A., 39 Cortlandt, New York
Fairbanks Co. ("United States"), Springfield, O.
Geier, P. A. Co. ("Geier" Boring Tool Holder), 5112 St. Clair av, N E, Cleveland, O.
Goodell-Pratt Co., Greenfield, Mass.
Graham Mfg. Co. ("Knurl"), Providence, R. I.
Hartford Machine Screw Co., Hartford, Conn.
Hill Standard Mfg. Co. ("Hill" & "Eberhardt"), Anderson, Ind.
Hoggson & Pettis Mfg. Co. (Carr's Combination), New Haven, Conn.
Jeanesville Iron Works Co., Jeansville, Pa.
Kelly, P. J. ("Climax" Universal Lathe), Elizabeth, N. J.
Keystone Mfg. Co. ("Morse" Boring Tool), 41 Chandler, Buffalo, N. Y.
Krieger Tool & Mfg. Co. ("Chicago" for Boring Tools, Drills, Reamers, etc.), 470 N Park, Chicago, Ill.
Lang, G. R., Co. ("Lang"), Meadville, Pa.
Le Count, Wm. G. (Chuck Drill), South Norwalk, Conn.
Millers Falls Co. (For Hand Tools), 28 Warren, New York; Works: Millers Falls, Mass.
Mingst, C. P. (Lathe & Planer), Evansville, Ind.
Modern Tool Co. (Die, Tap, etc.), Erie, Pa.
O. K. Tool Holder Co., Shelton, Conn.
Oliver Machinery Co. (For Wood Lathes), Grand Rapids, Mich.
Polk, A. J. & Son (Drill, Die, etc.), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Ready Tool Co., New Haven, Conn.
Reece, Edward F. Co., Greenfield, Mass.
Springfield Foundry Co. ("United States"), Springfield, O
Van Doren Mfg. Co. ("Tait's Universal" for Lathe, Planer, Shaper, etc.), 56 W Van Buren, Chicago, Ill.
Western Tool & Mfg. Co. ("The Champion"), Springfield, O.

Holders (Tumbler, Etc.)

Forsyth Mfg. Co., Buffalo, N. Y.
Wire Goods Co., Worcester, Mass.

Holders (Twine)

Introstyle Novelty Mfg. Co. ("Ideal"), Marietta, O.
New York Roll Wrapping Co. ("Simplex" & "Popular"), 84 Beekman, New York
Tatum, Samuel C. Co., Cincinnati, O.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
West Mfg. Co., Columbus, O.

Hollow Ware Mfrs.

(See Enameled Hollow Ware; also Aluminum Hollow Ware)

Hones (Razor)

Carborundum Co., Niagara Falls, N. Y.
Pike Mfg. Co., Pike Station, N. H., & 151 Chambers, New York

Hoods (Conning Tower)

Morton, Robert E., 26 South, New York

Hoods (Motor)

BADGER, E. B. & SONS CO., 75 Pitts. Boston, Mass. (See adv. index, end of book)
Briscoe Mfg. Co., Detroit, Mich.
Detroit Carriage Co., Clay av nr St. Aubin av, Detroit, Mich.
Hayes Mfg. Co., Detroit, Mich.
Kells, W. J. Mfg. Co., Newark & West Side avs, Jersey City, N. J.
Kinsey Mfg. Co., 1126 E 3, Dayton, O.
Quinby, J. M. & Co., 27 Division, Newark, N. J.
Neustadt, J. H. Co., 826 S 18th, St. Louis, Mo.
Reading Metal Body Co., 8th & Chestnut, Reading, Pa.
Rome-Turney Radiator Co., Rome, N. Y.
Springfield Metal Body Co., Birnie av, Springfield, Mass.
Trageser, John, Steam Copper Works, 447 W 28th, New York
U. S. Aluminum Co., Park bldg, Pittsburg, Pa.
Walker, James & Son, 43 Jefferson av, Detroit, Mich.

Hoods (Spray)

Durkee, C. D. & Co., 2 South, New York
Jones & Robinson, 83 Front, New York.
McClellan, Chas. P. ("Simplicity"), Fall River, Mass.

Hoods & Fixtures (Electric Lamp)

Ajax Line Material Co. ("Pelican"), 12 & Jefferson, Chicago, Ill.
Almon, G. H., Montpelier, Vt.
American Reflector & Lighting Co., 201 Van Buren, Chicago, Ill.
Brady, T. H., New Britain, Conn.
Cutter, Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Fort Wayne Electric Works (Inc.), Ft. Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Klemm & Co., 132 N 5th, Phila., Pa.
Lundin Electric & Machine Co., Boston, Mass.
Overbagh & Ayres Mfg. Co. ("Oamco"), 232 S Clinton, Chicago, Ill
Phila. Electrical & Mfg. Co. (Copper Incandescent Street), 1232 N 31st, Phila., Pa.
Roberts, H. C. Electric Supply Co., 905 Arch, Phila., Pa.
Russell Elec Mfg. Co., Providence, R. I.
Tea Tray Co. ("Tidman," "Chapin," "Columbian," "Marten," "Jersey," "Murray," "Tuxedo," "Tremont"), Newark, N. J.
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

Hook & Eye Mfrs.

Star Pin Co. (Dress, Pants, Cloak & Military), Derby, Conn.
TURNER & SEYMOUR MFG. CO. (And Specialties), Torrington, Conn. (See adv. index, end of book)

Hooks (Agricultural)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hooks (Awning)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
Humason & Beckley Mfg. Co., "Wrought," New Britain, Conn.
Morgan Spring Co., Worcester, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Bale & Box)

Duffy Mfg. Co., 125 Indiana, Chicago, Ill.
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Barrel)

Morgan Spring Co., Worcester, Mass.
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Beam)

National Tube Co. (Plate & Chandeller), Pittsburg, Pa.

Hooks (Belt)

(See Belt Fasteners)

Hooks (Bench)

Dicke Tool Co., Downers Grove, Ill.
Hoague, J. H., Chicopee, Mass.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Smith, Seymour & Son (Reversible & Screw Adjusting), Oakville, Conn.
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.
Vaughan & Bushnell Mfg. Co., 877 Carroll av, Chicago, Ill.
Whipple, R. P. & Co. (Carpenters'), Springfield, Mass.

Hooks (Bill)

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York

Hooks (Bird Cage)

Arcade Mfg. Co. (Swinging, etc.), Freeport, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Metal Mfg. Co., New Haven, Conn.
Pratt, Wm. E. Mfg. Co., 91 Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
SOLTMANN, E. G.
(Suspension Hooks for Hanging from Picture Mouldings), 125 E 42d, New York. (See adv. index, end of book)
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wire Goods Co., Worcester, Mass.

Hooks (Boat & Mooring)

Durkee, C. D. & Co. ("Jacoby"), 2 South, New York
Laughlin, Thos. Co., Portland, Me.
Marine Hardware Co., Peabody, Mass.
Shelton Co., Derby, Conn.
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Box)

(See Hooks, Cotton & Box)

Hooks (Brass Cup & Shoulder)

Brooks, M. S. & Sons, Chester, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Hooks (Bush)

American Axe & Tool Co. (Strapped Eye, etc.), Glassport, Pa., & 253 B'way, New York
Black, John B. ("Wm. Beatty & Sons" Axe Handle, One & Two Ring), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Iwans Bros., Streator, Ill.
Peck, Stow & Wilcox Co., Southington, Conn., & 27 Murray, New York
Plumb, Fayette R., James & P. R. R., Phila., Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wadsworth, David & Son, Auburn, N. Y.

Hooks (Button)

Havell Mfg. Co., Newark, N. J.
Klein, M. & Bro. ("M'K. & B."), Bridgeport, Conn.
Ross, Jos., Jr., & Co., Newark, N. J.

Hooks (Cabin Door)

Corbin Cabinet Lock Co., New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Hooks (Cant)

(See Canthooks)

Hooks (Carrying)

Anderson Tool & Supply Co., 14 Macomb, Detroit, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke, C. H. & Co., Downers Grove, Ill.
Klein, Mathias & Sons, 78 Van Buren, Chicago, Ill.
Mickel, Fred. L., 83 E 13th, Chicago, Ill.
Oshkosh Logging Tool Co., Oshkosh, Wis.

Hooks (Ceiling)

Arcade Mfg. Co. ("Arcadian" Bronze), Freeport, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Jenckes, E. Mfg. Co. ("Crescent" & "Jenckes" Wire), Pawtucket, R. I.
National Mfg. Co., Sterling, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Susquehanna Casting Co., Wrightsville, Pa.
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.
Wire Goods Co., Worcester, Mass.

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Hooks (Clam)

Union Fork & Hoe Co., Columbus, O.

Hooks (Clothes Line)

Franklin Specialty Co. ("Perfection"), Reading, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
National Supply Co., 7 W Lombard, Baltimore, Md.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Edwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Susquehanna Casting Co., Wrightsville, Pa.
Vaughn & Bushnell ("V. & B." Steel Screw or Drive), 875 W Carroll av, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
Wire Goods Co., Worcester, Mass.

Hooks (Coat & Hat)

Atlas Mfg. Co. ("Bradley"), New Haven, Conn.
Bromwell Co. (Wire), Cincinnati, O.
Columbian Hardware Co. ("Gem" Anti-Rust), Cleveland, O., & 168 Church, New York
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Grab, Victor M., & Co. ("Yale" Wardrobe, Hat & Cloak), Ashland Blk., Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jenckes, E. Mfg. Co. ("Crescent" & "Invisible" Wire), Pawtucket, R. I.
Landers, Frary & Clark, New Britain, Conn.
Morgan Spring Co., Worcester, Mass.
National Mfg. Co., Sterling, Ill.
Ossawan Mills Co., Norwich, Conn.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Turner & Stanton Co., Norwich, Conn.
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.
Wilcox, Crittenden & Co. (Galvanized Iron or Brass), Middletown, Conn.
Wire Goods Co. (Brass & Steel), Worcester, Mass.
WRIGHT WIRE CO. ("Crook"), Worcester, Mass.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Hooks (Coke Scraper)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hooks (Conductor Pipe)

CANTON MFG. CO., Canton, O. (See adv. index, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Iwan Bros., South Bend, Ind.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Vaughn & Bushnell Mfg. Co. ("V. & B." Drop Forged), 875 W Carroll av, Chicago, Ill.

Hooks (Corn)

Clyde Cutlery Co., Clyde, O.
Columbian Cutlery Co., Reading, Pa.
North Wayne Tool Co., Hallowell, Me.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Hooks (Cornice)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Jenckes, E. Mfg. Co. (Wire), Pawtucket, R. I.

Hooks (Cotton & Box)

Bernz, Otto, S 13th & S Orange av, Newark, N. J.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Carver Tool Works, Spring Valley, N. Y.
Falls Mfg. Co. (Hay, Bale, Box & Cargo Hooks), San Francisco, Cal.
Humason & Beckley Mfg. Co., New Britain, Conn.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
New London Vise Works (Bale, Box, Can, Barrel, etc.), New London, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Stortz, John & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B." Wood or Steel Handle), Chicago, Ill
Watson, Thomas ("Butler's"), 557 W. 35th, New York
Wilcox, Crittenden & Co., Middletown, Conn.
Zering, H. Mfg. Co., Cincinnati, O.

Hooks (Crate & Basket)

Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Morgan Spring Co., Worcester, Mass.

*Hooks Drapery)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Hooks (Drive)

Grabler Mfg. Co., Cleveland, O.

Hooks (Floor)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hooks (Gaff)

Meisselbach, A. F. & Bro., Newark, N. J.

Hooks (Gate)

(See Hooks & Eyes, Gate)

Hooks (Grab)

AMERICAN HOIST & DERRICK CO. (Forged Steel), St. Paul, Minn. (See adv. index & branch offices, end of book)
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Byers, Jno. F. Machine Co. (Or Chain), Ravenna, O.
Champion Tool & Handle Co., Evart, Mich.
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
Hayden-Corbett Chain Co. (For Log Chains, etc.), Columbus, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Seneca Chain Co., Kent, O.
Wallingford Mfg. Co. ("Borden's"), Wallingford, Vt.

Hooks (Grape Grubbing)

Munnsville Plow Co., Munnsville, N. Y.

Hooks (Grass)

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York
Atkins, E. C. & Co., Indianapolis, Ind.
Columbian Cutlery Co., Reading, Pa.
Dunn Edge Tool Co., Oakland, Me.
Indiana Edge Tool Co. ("Premier," "Easy," "Superior," "Hercules," "Acme," "Electric,)" Gas City, Ind.
Mack Co., Rochester, N. Y.
Nolin Mfg. Co. ("Nolin," "Crescent" & "Concave"), Skowhegan, Me.
North Wayne Tool Co. ("Little Giant"), Hallowell, Me.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Washington Cutlery Co., Watertown, Wis.

Hooks (Guy Wire)

Lang, M. & Sons, 29th & Carton, Pittsburg, Pa.

Hooks (Hammock)

Arcade Mfg. Co., Freeport, Ill.
Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.
Brooks, M. S. & Sons (Wrought), Chester, Conn.
Corbin, P. & F., New Britain, Conn.
Hazel Atlas Glass Co., Wheeling, W. Va.
Keystone, Drop Forge Co. (Drop Forged), Chester, Pa.
Landers, Frary & Clark, New Britain, Conn.
Palmer, I. E. (Adjustable), Middletown, Conn.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wilcox, Crittenden & Co., Middletown, Conn.
Wire Goods Co. (Wrought), Worcester, Mass.

Hooks (Hanging)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hooks (Harness)

Arcade Mfg. Co. (Japanned), Freeport, Ill.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Brooks, M. S. & Sons, Chester, Conn.
Covert Mfg. Co., Troy, N. Y.
Falls Mfg. Co. (For Homes, Fire Dep't Harness, etc.), San Francisco, Cal.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
National Supply Co., 7 W Lombard, Baltimore, Md.
North & Judd Mfg. Co., New Britain, Conn.
Oliver Iron & Steel Co. (Hame Hooks), Pittsburg, Pa.
Penn Hardware Co., Reading, Pa.
Pratt, Wm. E. Mfg. Co., 91 Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sovereign, C. E. Co., Rockford, Ill.
Wire Goods Co. (Wire), Worcester, Mass.

Hooks (Hay)

Myers, F. E., & Bro., Ashland, O.
Schlueter, M. L., 36 S Canal, Chicago, Ill.
Vaughn & Bushnell Mfg. Co. ("V. & B." Steel"), 875 W Carroll av, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Hitching)

Brewer Bros. (Wrought Iron), 614 Filbert, Phila, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Hooks (Hoist)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Solid Steel Tool & Forge Co. (With Eye & Shank), Brackenridge, Pa.

Hooks (Ice)

American Fork & Hoe Co. (Steel), Cleveland, O
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Stortz, John & Son, 210 Vine, Philadelphia, Pa.

Hooks (Insulating)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.
Anderson, Albert & J. M. Mfg. Co., Boston,
Brooks, M. S. & Sons, Chester, Conn. Mass.
Cutter, Geo. Co., South Bend, Ind.
Diamond Expansion Bolt Co. ("D-X," Bridle Rings, 90 West, New York
Pettingell, Andrews Co. ("O'Neil"), Boston, Mass.

Hooks (Ladder)

Brewer Bros. (Wrought Iron), 614 Filbert, Philadelphia, Pa.
Moulton, C. W. & Co., Somerville, Mass.

Hooks (Lamp)

Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Hooks (Lumbermen's)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co., (Lug, Grappling, Swamp, etc.), Evart, Mich.
Oshkosh Logging Tool Co. (Lug, Grappling, Swamp, etc.), Oshkosh, Wis.
Warren Axe & Tool Co. (Lug, Grapple, Swamp, etc.), Warren, Pa.

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Hooks (Meat)

Grabler Mfg. Co., Cleveland, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Humason & Beckley Mfg. Co. (Wrought), New Britain, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Vaughn & Bushnell Mfg. Co. ("V. & B." Steel"), 875 W Carroll av, Chicago, Ill.
Wire Goods Co. (Wrought), Worcester, Mass.

Hooks (Moulding)

(See Hooks, Picture)

*Hooks (Nut Cracker)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

*Hooks (Packing)

STRONG MACHINERY & SUPPLY CO. ("Strong's" Lightning & Improved Old Style), 48 Franklin, New York. (See adv. index, end of book)

Hooks (Picture)

Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.
Brooks, M. S. & Sons (Also Brass Tassel Hooks, etc.), Chester, Conn.
Forsyth Mfg. Co. ("Uncle Sam," "Beauty," "Big Giant," "Orient"), Buffalo, N. Y.
Metal Mfg. Co., New Haven, Conn.
Novelty Mfg. Co., Waterbury, Conn.
Peckham, John A., 958 Grand av, New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wire Goods Co. (Brass, etc.), Worcester, Mass.

Hooks (Pipe)

Avery Stamping Co. ("Never-Break" Steel Plates), Cleveland, O.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.
Climax Specialty Co., Seneca Falls, N. Y.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Devlin, Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Exeter Machine Works, Exeter, N. H., & 32 Oliver, Boston, Mass.
Falls Mfg. Co., San Francisco, Cal.
Grabler Mfg. Co. (Steel), Cleveland, O.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lange, August K., 606 E 15th, New York
Newbury Mfg. Co., Monroe, N. Y.
New England Bolt & Steel Co. (Pipe Hooks), 3 Charlton, Everett, Mass.
Sargent & Co., New Haven, Conn., & 94 Centre, New York

Hooks (Potato, Manure, Etc.)

American Fork & Hoe Co., Cleveland, O.
Brown, Hinman & Huntington Co., Memphis, Tenn.
Harriman Hoe & Tool Co., Harriman, Tenn.
Kohler, F. E., & Co. (Potato), Canton, O.
Russell & Erwin Mfg. Co. (Potato Only), New Britain, Conn., & 96 Lafayette, New York
Union Fork & Hoe Co., Columbus, O.

Hooks ("S" or "Eight")

Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.
Brooks, M. S. & Sons (Iron or Brass Wire), Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Morgan Spring Co., Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Russell & Erwin Mfg. Co. (Wrought), New Britain, Conn., & 96 Lafayette, New York
Smith & Egge Mfg. Co., Bridgeport, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wilcox, Crittenden & Co., Middletown, Conn.
Wire Goods Co., Worcester, Mass.

Hooks (Safety, for Mine Cages)

Wellman-Seaver-Morgan Co., Cleveland, O.

Hooks (Sash Pull)

Reading Hardware Co., Reading, Pa.

Hooks (School House)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wrightsville Hardware Co., Wrightsville, Pa.

Hooks (Screw)

Brewer Bros. (Wrought Iron), 614 Filbert Phila., Pa
Brooks, M. S. & Sons (Iron & Brass Wire), Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
Jenckes, E. Mfg. Co. (Brass Wire), Pawtucket, R. I.
Russell & Erwin Mfg. Co. (Brass Wire), New Britain, Conn., & 96 Lafayette, New York.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wilcox, Crittenden & Co., Middletown, Conn.
Wire Goods Co. (Bright Wire & Brass Wire), Worcester, Mass.

Hooks (Shackle)

Keystone Drop Forge Works ("Keystone," Safety), Chester, Pa

Hooks (Shave)

BERNZ, OTTO, S 13th e S Orange av, Newark, N. J. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works) Newark, N. J.

Hooks (Shoe & Glove)

(See Hooks, Button)

Hooks (Sign)

Brewer Bros. (Wrought Iron), 614 Filbert, Philadelphia, Pa
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Hooks (Snap)

Billings & Spencer Co. ("Billings" Drop Forged, Rein. Pole & Chain), Hartford, Conn.
Draper & Hall Co. ("Hayes" Lock), Middletown, Conn
Hayward, S. F. & Co. (Fire Dept.), 39 Park Pl., New York
Wilcox, Crittenden & Co., Middletown, Conn.

Hooks (Stable Door)

Peters, Jas. & Son (Wrought Iron), 1934 N Front, Philadelphia, Pa

Hooks (Stay Chain)

Oliver Iron & Steel Co., Pittsburg, Pa.

Hooks (Tag)

Morgan Spring Co., Worcester, Mass.
Wire Specialty Co. ("Ideal"), 26 W Randolph, Chicago, Ill

Hooks (Telephone Hanger)

Morgan Spring Co., Worcester, Mass.
Wire Specialty Co., 26 W Randolph, Chicago Ill

Hooks (Towing)

Chase Machine Co. ("Releasing"), Cleveland, O

Hooks (Weeding)

Arcade Mfg. Co., Freeport, Ill.
Rocky Hill Hardware Co., Rocky Hill, Conn.

Hooks (Whiffletree)

Giblin & Co., Utica, N. Y.

Hooks (Window Pole)

Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.

Hooks (Wire)

Brooks, M. S. & Sons (All Kinds Brass & Iron), Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Wire Goods Co. ("Drive"), Worcester, Mass.

Hooks (Wood Pulp)

Dupont & Anderson, St. Johnsbury, Vt.

Hooks & Eyes (Brace)

Brewer Bros. (Wrought Iron), 614 Filbert, Phila., Pa.

Hooks & Eyes (Brass & Steel)

Wire Goods Co., Worcester, Mass.

Hooks & Eyes (Gate)

Brooks, M. S. & Sons, Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
Jenckes, E. Mfg. Co. (Iron & Brass), Pawtucket, R. I.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wire Goods Co., Worcester, Mass.

Hooks & Eyes (Tent)

Wilcox, Crittenden & Co. (Brass), Middletown, Conn.

Hooks & Rings (Plate)

Wilcox, Crittenden & Co., Middletown, Conn.

Hooks & Tees (Chain)

Dayton Malleable Iron Co., Dayton, O.
New Castle Forge & Bolt Co., New Castle, Pa.

Hoop Drives

Brewer Bros. (Wrought Iron), 614 Filbert, Philadelphia, Pa.

*Hoop Rounders

SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Hoops (Mast)

Laughlin, Thos. Co. (Galvanized Wrought Iron), Portland, Me.
McMillan's, W. H. Sons, 153 South, New York
Maryland Steam Block & Pump Works, Baltimore, Md.
Moffitt, J. D., Scotland, Conn.

Hoops (Truss)

Cincinnati Truss Hoop Co. (Iron & Steel Barrel), 115 W 2d, Cincinnati, O.
Frelinger, J. G., 115 W 2d, Cincinnati, O.
Globe Mfg. Co., Anderson, Ind.
Nunning, Frank, & Son, 215 W 2d, Cincinnati, O.

Hoops (Wire)

AMERICAN STEEL & WIRE CO., Commercial National Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Pittsburg Spiral Wire Hoop Co. (Spiral), Pittsburg, Pa.

*Hoppers (Clay)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

Hoppers for Power Plants

Pollock, Wm. B. Co. (Large Capacity), Youngstown, O.

Hoppers (Grain)

(See Hoppers, Loading)

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Hoppers (Loading)

Barnard & Leas Mfg. Co. (On Trucks, for Grain, etc.), Moline, Ill.
Briggs Labor Saving Specialty Co. ("Lightning," for Stone, Sand, Coal & Coke), Waterloo, Iowa
Dodge Mfg. Co., Mishawaka, Wis.
Pearson Mfg. Co. (Portable, for Agricultural Purposes), Edwardsville, Kans.
Prims Machinery Co. (Grain Hoppers), Battle Creek, Mich.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Horn Blowers (Foot)

King Dodo Horn Co., Piqua, Ia.
Pneumatic Tire Protector Co., 14 St. Clair, Dayton, O.

Horns (Automobile)

Automobile Supply Mfg. Co. ("Consone," "Sonora"), 139 Emerson pl, Brooklyn, N. Y.
Echo Horn Co. ("Echo"), Cleveland, O.
Funke, A. H., 83 Chambers, New York
Gabriel Horn Mfg. Co., Cleveland, O.
Hutchison Electric Horn Co., 1 Madison av, New York
Miller, Chas. B. (Imported), 97 Reade, New York
Motor Car Equipment Co., 55 Warren, New York
Post & Lester Co. ("Voller"), Hartford, Conn.
Riley-Klotz Mfg. Co., 19 Mulberry, Newark, N. J.
Stevens & Co. ("Esco"), 99 Chambers, New York
Tripari Bros., 372 Broome, New York
Twentieth Century Mfg. Co. ("Twentieth Century"), 19 Warren, New York
Willis, E. J. Co., 10 Park pl, New York

Horns (Electrical)

Holtzer-Cabot Electric Co., Brookline, Mass.

Horns (Fog)

(See also Whistles, Automobile & Motor Boat)

Dover Stamping & Mfg. Co. ("Dover"), Cambridge, Mass.
Funke, A. H., 83 Chambers, New York
Hutchison Electric Horn Co., 1 Madison av, New York
Lothrop, L. D., Gloucester, Mass.
Motor Car Equipment Co., 55 Warren, New York
Willis, E. J. Co., 10 Park pl, New York

Horse Collars

Given, R. & Son Co. (Pneumatic), Sidney, O.
Thomson Alex (Steel Hameless), Fitchburg, Mass.

Horse Measurers

Smith, S. O., 24 Prospect, Newark, N. J.

Horse Powers

(See also Horse Powers, Tread; also Powers, Dog, Sheep, Etc.; also Horse Powers, Contractors')

Alamo Iron Works San Antonio, Tex.
Advance Thresher Co., Battle Creek, Mich.
Andes, W. D. & Son, Leacock, Pa.
Aultman & Taylor Machinery Co., Mansfield, O.
Barnard & Leas Mfg. Co., Moline, Ill.
Bell, C. S. Co., Hillsboro, O.
Belle City Mfg. Co. (Sweep), Racine, Wis.
Bodley Wagon Co., Memphis, Tenn.
Case, J. I. Threshing Machine Co., Racine, Wis.
Cardwell Machine Co., Richmond, Va.
Challenge Co. (Sweep), Batavia, Ill.
Collins Plow Co. (4 to 6 Horse Triple Geared), Quincy, Ill.
Contractors' Plant Mfg. Co., 127 Erie, Buffalo, N. Y.
Ellis Keystone Agricultural Works (Lever, Iron Frame), Pottstown, Pa.
Eureka Bark Mills Co., Lancaster, Pa.
Farquhar, A. B. Co., York, Pa.
Fonts, Oliver H., Richmond, Ind.
Freeman S. & Sons Mfg. Co. (Sweep & Overhead), Racine, Wis.
Gehl Bros. Mfg. Co., West Bend, Wis.
Geiser Mfg. Co., Waynesboro, Pa.
Globe Foundry & Machine Co., Sheboygan, Wis.
Gowanda Agricultural Works, Gowanda, N. Y.
Gray's A. W. Sons, Middletown, Vt.
Greenville Implement Co., Greenville, Mich.
Harrison Machine Works, Belleville, Ill.
Heebner & Sons, Lansdale, Pa.
Hildreth Bros., Harvard, Mass.
Howell, R. R. & Co., Minneapolis, Minn.
Huber Mfg. Co., Marion, O.
International Harvester Co. of America, Chicago, Ill.
Keystone Farm Machine Co., York, Pa.
Kline, Lewis T., Alpena, Mich.
Lehr Agricultural Co., Fremont, O.
Lyon Iron Works, Greene, N. Y.
McLean, J. H. Co., Canton, O.
Marseilles Mfg. Co. (And Jacks), Marseilles, Ill.
Messinger Mfg. Co., Tatamy, Pa.
Myers, F. E. & Bro., Ashland, O.
New Winona Mfg. Co. ("Diamond Winona"), Winona, Minn.
Nichols & Shepard Co. (Steel Frame), Battle Creek, Mich.
Northwest Thresher Co., Stillwater, Minn.
Portable Elevator Mfg. Co., Bloomington, Ill.
Rowell, I. B. Co., Menomonee Falls, Wis.
St. Albans Foundry & Implement Co. (Sweep & Tread), St. Albans, Vt.
Salem Iron Works, Salem, N. C.
Sandwich Mfg. Co. ("Samson," Sweep), Sandwich, Ill.
Smith & Pomeroy Wind Mill Co., Kalamazoo, Mich.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Stover Mfg. Co., Freeport, Ill.
Warner Elevator Mfg. Co., Warner, Ill.
Wenzelman Mfg. Co., Galesburg, Ill.
Wilder-Strong Implement Co., Monroe, Mich.

*Horse Powers (Contractors')

AMERICAN HOIST & DERRICK CO. (Duplex Geared, etc.), St. Paul, Minn. (See adv. index & branch offices, end of book)
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y., & 82 Warren, New York. (See adv. index & branch offices, end of book)

Horse Powers (Tread)

Appleton Mfg. Co., Batavia, Ill.
Belle City Mfg. Co., Racine, Wis.
Ellis Keystone Agricultural Works, Pottstown, Farquhar, A. B. Co. (Ltd.), York, Pa. Pa.
Gowanda Agricultural Works Co. (Dog or Sheep Power), Gowanda, N. Y.
Messinger Mfg. Co. ("The Reynolds" Horse or Baby), Tatamy, Pa.
St. Albans Foundry & Implement Co., St. Albans, Vt.
Sandwich Mfg. Co., Sandwich, Ill.
Smalley Mfg. Co. (Sweep), Manitowoc, Wis.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Star Mfg. Co., Carpentersville, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Whitman Agricultural Co., St. Louis, Mo.

Horse Shoe Calks

(See Toe Calks, Steel)

Hose (Acid)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Electric Hose & Rubber Co., Wilmington, Del.
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Hose (Air Brake)

Acme Rubber Mfg. Co., Trenton, N. J.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
Chicago Rubber & Belting Co., 312 Dearborn, Chicago, Ill.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Electric Hose & Rubber Co., Wilmington, Del.
Empire Rubber Mfg. Co., 60 Reade, New York, & Trenton, N. J.
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Mechanical Rubber Co., 73 Reade, New York
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
New York Rubber Co., 84 Reade, New York
Peerless Rubber Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., 77 Bedford, Boston, Mass.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Sprague Electric Co., 527 W 34th, New York
United & Globe Rubber Mfg Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Waterbury Rubber Mfg. Co., 75 Warren, New York, & Waterbury, Conn.

Hose (Air, Pneumatic Hammer, Etc.)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Cleveland Pneumatic Tool Co. ("Superior," "Verl-Best"), 6410 Hawthorne av., Cleveland, O.
Continental Rubber Works, Erie, Pa.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Electric Hose & Rubber Co., Wilmington, Del.
Goodrich, B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
INGERSOLL-RAND CO. 11 B'way, New York. (See adv. index & branch offices, end of book)
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
SAYEN, OSGOOD ("Sayen's" Stay There Armor), Arcade bldg., Phila., Pa. (See adv. index, end of book)
Voorhees Rubber Mfg. Co. ("Boreas"), Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

*Hose (Braided)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)

Hose (Brewers')

(See Hose, Garden, Steam, Mill, Etc.)

Hose Carriages & Carts

Abbot-Downing Co., Concord, N. H.
American Fire Apparatus Co., 1 Madison av, New York
American-LaFrance Fire Engine Co., Elmira,
Goulds Mfg. Co., Seneca Falls, N. Y. N. Y.
Hayward, S. F. & Co., 20 Warren, New York
New Departure Mfg. Co., Bristol, Conn.
Nott Fire Engine Co., Minneapolis, Minn.
Reading Fire Apparatus Works, Reading, Pa.
Stewart, A. F. & S. C., Rochester, N. Y.
Wirt & Knox Mfg. Co., 22 N 4th, Phila., Pa.
Woodhouse Mfg. Co., 50 W B'way, New York

Hose (Chemical Engine)

Electric Hose & Rubber Co., Wilmington, Del.

Hose Connections (High Pressure)

Sherwood Mfg. Co. (For Steam or Water), Buffalo, N. Y.

Hose (Corrugated Tender)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.

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Morgan & Wright (Inc.), ("Morganite" Steam), Detroit, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
SAYEN, OSGOOD, Arcade bldg, Phila, Pa. (See adv. index, end of book)
Waterbury Rubber Mfg. Co. (Also "Sphincter," Grip Steel Armored), 75 Warren, New York

Hose (Cotton)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
Clark Hose Co. (Fire), Malden, Mass.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y
Empire Rubber Mfg. Co. (Rubber Lined), Trenton, N. J., & 60 Reade, New York
Eureka Fire Hose Co., 13 Barclay, New York. Works, Jersey City, N. J.
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co. (Rubber), 73 Reade, New York
Mineralized Rubber Co., 18 Cliff, New York
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO. ("Columbia," "Pennsylvania" Rubber Lined), Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co. (Rubber Lined, etc.), 77 Bedford, Boston, Mass.
Stokes, Joseph Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co. (Marline & Cotton Woven Cover), Jersey City, N. J.
Waterbury Rubber Mfg. Co. (Rubber Lined), 75 Warren, New York

*Hose Covering

BOSTON BELTING CO. (Cotton, Marline, Wire), 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv index & branch offices, end of book)

Hose (Fire)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Coupling Co. ("Reliance" Cotton Light and Heavy, etc.), Boston, Mass.
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
Callahan, Cornelius Co. (Cotton), Boston, Mass.

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Chicago Fire Hose Co. (Cotton Rubber Lined), 54 La Salle, Chicago, Ill.
Cincinnati Rubber Mfg. Co. (Rubber), Cincinnati, O.
Clark Hose Co. (Cotton & Linen), Malden, Mass.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Rubber Mfg. Co. (Cotton, Rubber Lined, etc.), Trenton, N. J., & 60 Reade, New York
Eureka Fire Hose Co. (Cotton, Rubber Lined; also Linen, Plain & Rubber Lined), 13 Barclay, New York. Works, Jersey City, N. J.
Fabric Fire Hose Co., Duane & Church, New York
Goodrich, B. F. Co. ("Marlin" Woven Cotton, Rubber Lined, etc.), Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Hayward, S. F. & Co., 39 Park Pl., New
Jewell Belting Co., Hartford, Conn. York
Manhattan Rubber Mfg. Co., 18 Vesey, New York, & Passaic, N. J.
Mechanical Rubber Co., 73 Reade, New York
Mercer Rubber Co., Trenton, N. J.
Mineralized Rubber Co., 18 Cliff, New York
Multiple Woven Hose & Rubber Co. ("Bi-Moore," "Tri-Moore," "Blue Ribbon" & "Trump"), Worcester, Mass.
New Jersey Car Spring & Rubber Co. ("Tuebor," Rubber Lined, Cotton), Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), (Rubber & Cotton), 91 Chambers, New York
Niedner, Chas. (Linen), Malden, Mass.
PENNSYLVANIA RUBBER CO. ("Columbia," "Pennsylvania," Cotton, Rubber Lined; also Linen, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., 77 Bedford, Boston, Mass.
ROSSENDALE-REDDAWAY BELTing & Hose Co. (Linen), Newark, N. J. (See adv. index, end of book)
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Stokes, Jos. Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., ("Rex," "Marshall," Cotton Rubber), Jersey City, N. J.
Waterbury Rubber Mfg. Co., 75 Warren, New York, & Waterbury, Conn.
Whitehead Bros. Rubber Co., Trenton, N. J.

Hose (Flexible Metallic)

American Metal Hose Co., 173 Lafayette, New York
Pennsylvania Flexible Tubing Co. (Copper or Steel, High Pressure, with Asbestos Interlining), 1305 Arch, Phila., Pa.
Voorhees Rubber Mfg. Co. (Armor), Jersey City, N. J.

Hose (Flexible Steel Armored)

Sprague Electric Co. (Steam or Air), 527 W 34th, New York

Hose (Garden, Steam, Mill, Etc.)

(See also Hose, Fire)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
Buckeye, J. W. Rubber Co. (Invincible Rubber Wound with Steel Wire), 69 Warren, New York
CARPENTER, GEO. B. & CO. (Mfrs. Agts.), 202 S Water, Chicago, Ill. (See adv. index, end of book)
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Cleveland Rubber Works, Cleveland, Ohio
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Dunbar, J. A. Mfg. Co., Northville, Mich.
Electric Hose & Rubber Co., Wilmington, Del.
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Rubber Mfg. Co., Trenton, N. J., & 60 Reade, New York
Eureka Fire Hose Co. (Cotton & Linen), 13 Barclay, New York
Goodrich, B. F. Co., Akron, O.
Gorham Rubber Co., San Francisco, Cal.
GRAMMES, L. F. & SONS (Jobbers), Allentown, Pa. (See adv. index, end of book)
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co. (Rubber), Trenton, N. J.
Knowlton, Geo. W. Rubber Co., 88 Broad, Boston, Mass.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co. (Rubber), 73 Reade, New York
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
New York Rubber Co., 84 Reade, New York
Niedner, Chas. (Linen), Malden, Mass.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
Republic Rubber Co., Youngstown, O.
SAYEN, OSGOOD (Air Hose), Arcade bldg, Phila., Pa. (See adv. index, end of
Stokes, Jos. Rubber Co., Trenton, N. J. book)
Thermoid Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J., & 18 Dey, New York
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Waterbury Rubber Mfg. Co., 75 Warren, New York
Whitehead Bros. Rubber Co., Trenton, N. J.

Hose (Linen)

Bay State Belting Co., 43 High, Boston, Mass.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory: Cambridgeport, Mass.
Callahan, C. Co., Boston, Mass.
Clark Hose Co. (Fire), Malden, Mass.
Empire Mfg. Co., Lockport, N. Y.
Empire Rubber Mfg. Co. (Unlined), Trenton, N. J., & 60 Reade, New York
Eureka Fire Hose Co. (Plain or Rubber Lined), 13 Barclay, New York. Works, Jersey City, N. J.
Fabric Fire Hose Co., Duane & Church, New York
Hayward, S. F. & Co., 39 Park pl, New York
Manhattan Rubber Mfg. Co., 18 Vesey, New
Niedner, Chas. (Fire), Malden, Mass. York
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO. (Underwriters'), Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 63 Franklin, Boston, Mass.
ROSSENDALE-REDDAWAY BELTing & Hose Co., Newark, N. J. (See adv. index, end of book)
Russell Mfg. Co., Middletown, Conn.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Voorhees Rubber Mfg. Co., Jersey City, N. J.

*Hose (Marline Woven)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Hose Menders

American Foundry & Mfg. Co., St. Louis, Mo.
Buffalo Specialty Co. ("Double Quick"), Buffalo, N. Y.
Cassady-Fairbank Mfg. Co. ("Samson"), 6106 La Salle, Chicago, Ill.
Cooper Hose Jacket Co., Minneapolis, Minn.
Elkhart Brass Mfg. Co. (Iron), Elkhart, Ind.
Hamblin & Russell Mfg. Co. ("Magic" Garden), Worcester, Mass.
Kohler, F. E. & Co. ("Little Wonder"), Canton, O.
National Supply Co., 7 W Lombard, Baltimore, Md.
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Sommer's, John, Sons, Newark, N. J.
Standard Brass & Iron Works, Milaukee, Wis.
Stortz, Jno. & Son ("Little Giant"), 210 Vine, Phila., Pa.

Hose (Pneumatic Tool)

(See Hose, Air, Pneumatic Hammer, Etc.)

Hose (Protected)

Acme Rubber Mfg. Co., Trenton, N. J.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Electric Hose & Rubber Co., Wilmington, Del.
Goodrich, B. F. Co. ("Wire Wrap"), Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., Boston, Mass.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Sprague Electric Co. (Steel Armored), 527 W 34th, New York
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Hose Reels & Racks

(See Reels & Racks, Fire Hose)

Hose (Rubber)

Akron Rubber Co., Akron, O.
Alden Rubber Co., Akron, O.
BOSTON BELTING CO. ("Niagara," "Trimount," "Boston," "Universal," "Imperial," "Excelsior," "Phoenix"), 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co. ("Damascus," "Bull Dog," "Boston Terrier," "Dandy," "Bay State," "Tiger," "Olympia," "Invincible," "Wizard," "Leader," "Dauntless," "Vim," "Helmet," "Cowen," "Iron Brand," "Falcon," "Granger"), Cambridgeport, Mass.
Cleveland Rubber Works, C. & P. R. R. nr junction Nickel Plate R. R., Cleveland, O.
Combination Rubber & Belting Co. ("Indestructene," "Franklin"), Bloomfield, N. J.
Consolidated Rubber Co. ("Arion," "Duke," "Mohawk," "Sharon," "Tuckahoe," "Sultan," "Advance," "Falcon"), Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co. ("Hercules," "Capital," "Royal Flush"), Trenton, N. J.
Diamond Rubber Co., Akron, O.
Electric Hose & Rubber Co., Wilmington, Del.
Empire Rubber Mfg. Co. ("Model," "Eagle," "Monitor," "Arrow," "Merrimac"), Trenton, N. J.
Fabric, Fire Hose Co., 68 Murray, New York
Goodrich, B. F. Co., Akron, O.
Goodyear Rubber Co. ("Gold Seal," "Pioneer"), 787 B'way, New York
Gorham Rubber Co., San Francisco, Cal.
Gutta Percha & Rubber Mfg. Co. ("Ridgewood," "Wallabout"), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co. ("Black Seal," "Tiger," "White Cross," "World," "N. B. O."), Tren-
Lake Shore Rubber Co., Erie, Pa. ton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co. ("Monarch," "Bengal," "Beaver," "Competition," "Superior," "White," "Chicago"), 280 Randolph, Chicago, Ill.
Mercer Rubber Co., Trenton, N. J.
Mineralized Rubber Co., 18 Cliff, New York
National India Rubber Co. ("White Cross," "Neponset," "Oneko," "Pontiac," "Waukegan," "Sagamore," "Agawan," "Nokomis," "Anchor," "Seekonk," "Namquit," "Pequot," "Saranac," "Squantum," "Pomham"), Bristol, R. I.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. ("1846 Para," "Carbon," "Double Diamond"), 91 Chambers, New York
New York Rubber Co. ("Wiccopee"), 84 Reade, New York

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Peerless Rubber Mfg. Co. ("Anaconda," "Lake Side," "Blue Ribbon," "Rainbow," "Sterling," "Reliance," "American"), 16 Warren, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Quaker City Rubber Co. (Chas. A. Daniel, Prop.), 629 Market, Phila., Pa.
Republic Rubber Co. ("Sioux," "Mohouing," "Tower," "Chariot," "Hector," "Pedro," "Sanco," "Tonka"), Youngstown, O.
Revere Rubber Co. ("Giant," "Granite," "Shawmut"), 77 Bedford, Boston, Mass.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Stokes, Joseph Rubber Co. ("Majestic," "Celtic," "Rex," "Bristol," "Hustler"), Trenton, N. J.
Trenton Rubber Mfg. Co. ("Hercules," "Para," "White Crown"), Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co. ("Bostwick," "Federal," "Pacific," "Sentinel," "Union," "Indian," "Celtic," "Saxon," "American," "Conqueror," "Contest"), Jersey City, N. J.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Waterbury Rubber Mfg. Co. ("Sphincter Grip"), 75 Warren, New York
Watt's, John M. Sons, 123 S 2d, Phila., Pa.
Whitehead Bros. Rubber Co. ("Competition," "Thistle," "Juno," "Clover," "Golden Rod," "Ivory," "Long Life"), Trenton, N. J.
Woven Steel Hose & Cable Co. ("Protected"), Trenton, N. J.

Hose (Suction)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Continental Rubber Works, Erie, Pa.
Empire Rubber Mfg. Co., Trenton, N. J.
Goodrich, B. F. Co. (Extra Heavy), Akron, O.
Home Rubber Co., Trenton, N. J.
PENNSYLVANIA RUBBER CO. (Steel Clad, etc.), Jeannette, Pa. (See adv. index, end of book)
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Whitehead Bros. Rubber Co. (Wire & Smooth Bore), Trenton, N. J.

*Hose (Tank)

(See Hose, Garden, Steam, Mill, Etc.)

*Hose (Wine)

PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Hose (Wire Wound)

BOSTON BELTING CO., 260 Devonshire Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Home Rubber Co., Trenton, N. J.
PENNSYLVANIA RUBBER CO. (Armored & Flexible Armored), Jeannette, Pa (See adv. index & branch offices, end of book)
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Hot Air Furnaces

(See Furnace Manufacturers, Hot Air)

Hot Water Bed for Operating Tables

Goodrich, B. F. Co., Akron, O.

Hotel Calls

(See Annunciators)

Hotel Cooking Apparatus

(See Cooking Apparatus)

Hotel-Ware (Polished Steel, Etc.)

Cleveland Stamping & Tool Co. ("Solid-Steel," Polished & Tinned), Hamilton av, cor E 53d, N E, Cleveland, O.

House Numbers

(See Numbers & Letters, Metal)

House Wreckers

(See Building Materials, Second Hand)

House & Porch Trimmings, Etc.

(See Columbus, Porch, Etc.; also Corner, Base & Head Blocks; also Doors, Hardwood & Veneered; also Grille, Fret & Lattice Work; also Interior Finish, Wholesale Manufacturers; also Lumber Manufacturers; also Mouldings, Various Kinds; also Ornaments, Wood; also Sash Door & Blinds; also Stair Builders' Supplies; also Wood Turnings, Various Kinds)

Houses (Pole or Pilot)

Bissell, F. Co. ("Security"), Toledo, O.
Central Telephone & Electric Co., St. Louis, Mo.
Cook, Frank B., 240 W Lake, Chicago, Ill.
Nagel, W. G. Electric Co. ("Ready"), Toledo, Ohio
Noblett, E. J. Co., West Pullman, Chicago, Ill.
Pierce Specialty Co., Elkhart, Ind.

Hubs, Automobile (Ball & Roller Bearing)

American Ball Bearing Co., Edgewater Park, Cleveland, O.
American Ball Co., Eagle c Kinsley av, Providence, R. I.
American Die & Tool Co., Reading, Pa.
American Roller Bearing Co., South Framingham, Mass.
Ball Bearing Co., N 48th c Merion, Phila., Pa.
Bantam Mfg. Co., Bantam, Conn.
Garford Mfg. Co., Elyria, O.
Harris, E. T., 531 W. 18th, Chicago, Ill.
Jamesville Mfg. Co., Jamesville, N. Y.
Light Mfg. & Foundry Co., Union & Queen, Pottstown, Pa.
MERCHANT & EVANS CO. (Inc.) 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Smith, A. O. Co., Clinton nr Park, Milwaukee, Wis.
Standard Roller Bearing Co., N 48th c Girard av, Philadelphia, Pa.
Timken Roller Bearing Axle Co., Canton, O.
Weston-Mott, Flint, Mich.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Hullers (Clover)

Advance Thresher Co., Battle Creek, Mich.
Aultman & Taylor Machinery Co., Mansfield, Ohio
Birdsall Mfg. Co., South Bend, Ind.
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro, Pa.
Newark Machine Co., Newark, O.
Nichols & Shepard Co., Battle Creek, Mich.
Reeves & Co. (Feeder & Blower), Columbus, Ind.
Rumely, M. Co., La Porte, Ind.

Hullers (Coffee & Rice)

(See Rice & Coffee Hulling Machinery)

Hullers (Cotton Seed)

Cardwell Machine Co., Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.
Diamond Huller Co. ("Diamond" Huller & Separator), Winona, Minn.
Livermore Foundry & Machine Co. ("Wells"), Memphis, Tenn.
Van Winkle, E. Gin & Machine Works, Atlanta, Ga.

Hullers or Blanchers (Peanut)

Lambert Food & Machine Co., Marshall, Mich.

Pennsylvania Rubber Company

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Hullers (Pea & Bean)

Chattanooga Implement & Mfg. Co. (Pea), East Chattanooga, Tenn.
Chesholm, Scott, Niagara Falls, N. Y.
Farrar Lumber Co., Dalton, Ga.
Huber Mfg. Co., Marion, O.
Sanders Mfg. Co. ("Dixie"), Dalton, Ga.
SPRAGUE CANNING MACHINERY Co. (Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Humidifiers (Electric)

BELL PURE AIR & COOLING CO., 90 West, New York
Fries, Jno. W. (Electric Clean Airs for Cigar Cases, etc.), 45 Lafayette, New York

Humiditor

Brown Specialty Machinery Co. (For Radiators), Jackson boul & Clinton, Chicago, Ill.

Humidors (Cigar & Tobacco)

BELL PURE AIR & COOLING CO., 90 West, New York
MARFETTA GLASS MFG CO. (Cigar, Opal Linings), Indianapolis, Ind. (See adv. index, end of book)
Wilke Mfg. Co., Anderson, Ind.

Humidifying Apparatus

(See Textile Machinery)

Huskers & Shredders (Corn)

Advance Thresher Co. (Eight & Twelve Roll), Battle Creek, Mich.
Appleton Mfg. Co., Batavia, Ill.
Clark, R. F. ("Clark"), 102 Lake, Chicago, Ill.
Cleveland Lock Co., Cleveland, O.
Decre & Mansur Co., Moline, Ill.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Kolling Husker & Shredder Works ("Kolling"), Arlington Heights, Ill.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Port Huron Mfg. Co., Port Huron, Mich.
Rosenthal Corn Husker Co., Milwaukee, Wis.
Safety Shredder Co., New Castle, Ind.
Stevens, A. W. Co., Marinette, Wis.
Taylor Husker & Shredder Co., Joliet, Ill.
Wallingford Mfg. Co. (Excelsior), Wallingford, Vt.

Husking Pins

Arcade Mfg. Co. ("Pearse" Corn Husker), Freeport, Ill.
Cleveland Lock Co. (Knife Handle), Cleveland Ohio
Pratt, Wm. E. Mfg. Co. ("The Pratt"), 91 Lake, Chicago, Ill.
Smith & Davis ("Akin"), Ames, Iowa
Standard Corn Husker Co. (Jno. C. Kanney, Prop.) (Hand Huskers), Greenspring, Ohio.

Hydrants

Clark, L. P. & Sons, 419 N Front, Baltimore.
Colwell Lead Co., 83 Centre, New York
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Edwardsville Brass Co. (Yard), Edwardsville, Ill.
Fales & Jenks Machine Co., Pawtucket, R. I.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Haydenville Co. ("Lewis"), Haydenville, Mass.
Hays Mfg. Co. ("Original McNamara" & "Mertens"), Erie, Pa.
Humphreys Machine Co., Keene, N. H.
Illinois Malleable Iron Co., 515 Diversey boul Chicago, Ill.
Kemp, C. M. Mfg. Co. (Yard), 401 E Oliver, Baltimore, Md.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Knight & Jillson Co., Indianapolis, Ind.
Kupferle, John C. Foundry Co. (Yard & Wall), St. Louis, Mo.
Lacy Mfg. Co., Los Angeles, Cal.
Michigan Brass & Iron Works, Detroit, Mich.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Nichol, Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Owensboro Hydrant Co., Owensboro, Ky.
Pleuger & Ilenger Mfg. Co. ("Empire" & "National"), 11th c Hiebert, St. Louis, Mo.
Quirin, Jno. & Bro. (Non-freezing, Street), St. Clair, Pa.
Rumsey & Co. (Ltd.) ("Kaiser," "Favorite" & "Eagle"), Seneca Falls, N. Y.
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Hydrants (Fire)

American Foundry & Mfg. Co., St. Louis, Mo.
Beaumont, Richard (Est. of), Kankakee, Ill.
Bourbon Copper & Brass Works, 620 E Front, Cincinnati, O.
Camden Iron Works, 400 Chestnut, Phila., Pa., & Camden, N. J.
Cayuta Mfg. Co. ("K-U-T-A"), Sayre, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Drummond, M. J. & Co., 182 B'way, New York
Eddy Valve Co., Waterford, N. Y.
Eley, Philip Sons Co. ("Eley"), Bayonne, N. J.
Fox, Jno. & Co. (Mfrs.' Agts.) 253 B'way, New York
Garratt, W. T. & Co. (Inc.), Fremont & Natoma, San Francisco, Cal.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
HOLLY MFG. CO., 115 B'way, New York. (See adv. index, end of book)
Howard Iron Works, Buffalo, N. Y.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Kupferle, Jno. C. Foundry Co. ("Total Eclipse"), St. Louis, Mo.
Loetzer Valve & Mfg. Co.("Loetzer" Compression), Monroeton, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
McLean, Jno. ("Ayers"), 440 Water, New York
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Macgungle Brass & Mfg. Co. ("Niagara," "Peerless" & "Anti-Freezing"), Macungie, Pa.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Norwood Engineering Co. ("Holyoke"), Florence, Mass.
Owensboro Hydrant Co., Owensboro, Ky.
Pittsburg Mfg. Co. ("Ludlow"), 28th & Railroad, Pittsburg, Pa.
Pratt & Cady Co., Hartford, Conn.
Rensselaer Mfg. Co. ("Corey"), Troy, N. Y.
Rumsey & Co., Ltd. (Inc.), ("Kaiser," "Favorite" & "Eagle"), Seneca Falls, N. Y.
Smith, A. P. Mfg. Co., Newark, N. J.
South Park Foundry & Machine Co., St. Paul,
Stephens, Roe Mfg. Co., Detroit, Mich.
Thompson, J. & Co., c Van Horn & Sophia, Phila., Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Watrous Engine Works Co., St. Paul, Minn.
Wood, R. D. & Co. ("Mathews"), 400 Chestnut, Phila., Pa.

Hydrants (Fire Boat)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Hydrants (Fire, Crane Attachment)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Hydrate of Alumina

Merrimac Chemical Co., Boston, Mass.
Pennsylvania Salt Mfg. Co., Phila., Pa.

Hydraulic Machinery

(See Hydraulic Pumps; also Hydraulic Presses; also Hydraulic Rams; also Hydraulic Jacks; also Hydraulic Cranes; also Hydraulic Riveters)

Hydraulic Rams

Barnes Mfg. Co., Mansfield, O.
Columbia Steel Co., Portland, Ore.
Columbiana Pump Co., Columbiana, O.
Comstock, Geo. S. ("Kline"), Mechanicsburg, Pa.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., 83 John, New York, & Middletown, Conn.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Garratt, W. T. & Co. (Inc.), 142 Fremont, San Francisco, Cal.
Gawthrop, Allen, Jr., 100 W 4th, Wilmington, Del.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
Hanson & Rhodes, 157 W 29th, New York
Kline, Jas. M., Beavertown, Pa.
Myers, F. E. & Bro., Ashland, O.
Niagara Hydraulic Engine Co., 140 Nassau, New York
Pelton Water Wheel Co., Monadnock bldg., San Francisco, Cal., & 90 West, New York
Power Specialty Co. ("Foster" & "Rife's"), 111 B'way, New York
Rife's Hydraulic Engine Mfg. Co., 111 B'way, New York
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Trahern Pump Co., Rockford, Ill.
Union Mfg. Co., New Britain, Conn.
Ward Pump Co., Rockford, Ill.

Hydro Carbon Lamps

(See Lamps, Incandescent Gas)

Hydro Carbons (Miners & Refiners)

Raven Mining Co. ("Kapak," Miners of both Elaterite & Gilsonite), 204 Dearborn, Chicago, Ill.

Hydrometers

Du Vivier, Ernest H., 30 Church, New York
Electric Storage Battery Co., 19th & Allegheny av, Philadelphia, Pa.
Haas, Philip Co. ("Haas," etc.), 429 E 3d, Dayton, O.
Hoehn, R. Co., 83 Chambers, New York
Hohman & Maurer Mfg. Co., 29 Elizabeth, Rochester, N. Y.
NATIONAL GAUGE CO. (For Salt, Ammonia, etc.), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Pennelli, Peter, 194 William, New York.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Storage Battery Supply Co., 239 E 27th, New York
Tagliabue, Chas. J. Mfg. Co., 53 Fulton, New York
Tagliabue, Giuseppe, 302 Pearl, New York
Taylor Instrument Co., Rochester, N. Y.
Vuille, Chas. A., Huntingdon, Pa.
Wagner, Carl, 1061 N Albany, Chicago, Ill.
Wagner Glass Works (Also Barometers), 965 E 132d, New York
Watertown Thermometer Co., Watertown, N.Y.
Weinhagen, Henry, 22 N William, New York
Welskoff, A., 127 Market, Chicago, Ill.

Hyposulphate Soda

Cochrane Chemical Co., Boston, Mass.
Merrimac Chemical Co., Boston, Mass.
Thomson Chemical Co., Baltimore, Md.

Ice Breakers

(See also Ice Crushing Machines)

Allman Gas Engine & Machine Co. ("Champion"), 29 Sullivan, New York
AMERICAN TAP & DIE CO. (Hand), Greenfield, Mass. (See adv. index, end of book)
Blakeslee, G. S. & Co. ("Reinhold" Choppers), 325 Dearborn, Chicago, Ill., & 290 West B'way, New York
Davenport Ice Chipping Machine Co. ("Little Giant" Crusher), Davenport, Iowa
Dilg Mfg. & Trading Co. ("Champion"), 603 E 163d, New York
Harrison Safety Boiler Works ("Creasey"), 17th, below Allegheny av, Phila., Pa.
Hartig Standard Gas Engine Co., 14 Commercial, Newark, N. J.
Hiles, C. A. & Co. (For Family Use), 14th & Western av, Chicago, Ill.
Maag-Wahman Co., Baltimore, Md.
Stortz, John & Son (Hand), 210 Vine, Phila., Pa
Watkins, Jas. Y. & Son (Inc.), 16 Catharine, New York

Ice Can Fillers

Burns, Jas. F., 47 Hutchinson, Phila., Pa.
Great Lakes Engineering Works (For Mfrs. of Artificial Ice, Automatic), Detroit, Mich.
Wolf, Fred W. Co. (For Mfrs. of Artificial Ice), 141 Rees, Chicago, Ill.

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Ice Cans for Artificial Ice

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. Index, end of book)
Great Lakes Engineering Works, Detroit, Mich.
Kiechler Mfg. Co., Cincinnati, O.
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. Index, end of book)
Ohio Galvanizing & Mfg. Co., Niles O.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. Index, end of book)
Triumph Ice Machine Co., 610 Baymiller, Cincinnati, O.
Vogt, Henry, Machine Co., Louisville, Ky.
Wall, P. Mfg. Supply Co., North Side, Pittsburg, Pa.
Wolf, Fred W. Co., 141 Rees, Chicago, Ill.
Wulff, W. C. & Co., Louisville, Ky.

Ice Cream Freezers

(See Freezers, Ice Cream, Etc.)

Ice Dumps

Triumph Ice Machine Co., 610 Baymiller, Cincinnati, O.
Wolf, Fred W. Co. (For Artificial Ice), 141 Rees, Chicago, Ill.

Ice Machines (Portable)

(See Ice Machines, Portable, under the heading of Machinery)

*Ice Tanks & Pans

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. Index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. Index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. Index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. Index & branch offices, end of book)

*Icing Systems (Refrigerator Car)

JEFFREY MFG. CO., Columbus, O. (See adv. Index, end of book)

*Idlers (Grooved)

JEFFREY MFG. CO., Columbus, O. (See adv. Index, end of book)

Igniters (Gas & Gasoline Engine)

(Magnetos & Dynamos)

American Coil Co. ("Little Wonder"), Foxboro, Mass.
American Electric Fuse Co. ("American"), Muskegon, Mich.
Bosch Magneto Co. ("Bosch" Magnetos), 160 W 56th, New York
Champion, Albert Co., ("Gianoli"), Boston, Mass.
Chicago Coil Co. ("Cartridge"), 36 La Salle, Chicago, Ill.
Connecticut Telephone & Electric Co. (Inc.), (Magnetos), Meriden, Conn.
D. K. Electric Co. ("Duncan"), St. Louis, Mo.
Dayton Electrical Mfg. Co. ("Apple"), Dayton, O.
Elbridge Electrical Mfg. Co., Elbridge, N. Y.
Fawn River Mfg. Co., Constantine, Mich.
Geizler Bros. (Non-Sulphating Storage Battery Igniter), 514 W 57th, New York
Goodson Electric & Co., Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. Index & branch offices, end of book)
Henricks Novelty Co., Indianapolis, Ind.
Hercules Electric & Mfg. Co. (Wizard Spark Generator), Indianapolis, Ind.
Herz & Co. ("Herz" High Tension Magneto), 263 Lafayette, New York
Hess-Bright Mfg. Co. (Magnetos), Fairmount av & 21st, Phila., Pa.
Holley Bros. Co. (Holley), 668 Beaubien, Detroit, Mich.
Holtzer-Cabot Electric Co. ("The H-C Magneto"), Brookline, Mass.
Igniter Appliance Co., Cleveland, O.
K-W Ignition Co. ("Vim"), Cleveland, O.
Kendrick & Davis, Lebanon, N. H.
Kent Atwater Mfg. Works, 46 N 6th, Phila., Pa.
Knoblock-Heideman Mfg. Co., South Bend, Ind.
Knox-Dickey Telephone Mfg. Co., Portsmouth, Ohio
Marine Launch Igniting Co. ("A, B, C"), Watkins, N. Y.
Mavity-Sleeper Co. ("M & S," also Automobile Magneto), Fowler, Ind.
Metal Specialties Mfg. Co. ("G. & M." Compression), 24 W. Randolph, Chicago, Ill.
Midland Supply Co. ("Wilson"), Chicago, Ill.
Motsinger Device Mfg. Co. ("Auto Sparker"), Pendleton, Ind.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. Index, end of book)
Orswell Igniter Co., 95 Milk, Boston, Mass.
Perfection Magneto Co., Anderson, Ind.
Pittsfield Spark Coil Co., Pittsfield, Mass.
Remy Electric Co., Anderson, Ind.
Roche, Wm., Jersey City, N. J.
Schug Elec. Mfg. Co. ("Schug" Ignition Storage Battery), Detroit, Mich.
Splitdorf, C. F., 261 Walton av, New York
Standard Motor Construction Co., Jersey City, N. J.
Stecker Elec. & Machine Co., Detroit, Mich.
Tritt Electric Co., Union City, Ind.
Witherbee Igniter Co. ("Volta" & "Witherbee" Storage Battery Igniter), 1876 B'way, New York

Ignition Apparatus

(See Batteries; also Coils, Spark; also, Plugs, Spark; also Igniters, Gas & Gasoline Engine)

Illuminating Tile

(See Vault & Sidewalk Lights, Plain & Prismatic)

Illuminators (Oven)

Robson, Chas. & Co. ("Robson"), 8th & Washington av, Phila., Pa.

Incinerators (Garbage)

Decaire Incinerator Co. ("Decaire"), Hopkins, Minn.
National Equipment Co. (Inc.) ("Branch"), 211 N 7th, St. Louis, Mo.

Inclinators

Carboy Inclinator Co. (For Platers, Metal Workers, etc.), 1828 Columbia av, Philadelphia, Pa.

Incline Planes

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. (See adv. Index, end of book)
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y., & 30 Church, New York. (See adv. Index & branch offices, end of book)
Milholland, J. & J. B. Co., 718 5th av, Pittsburg, Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa.

*Inclinometers

STARRETT, L. S. CO., Athol, Mass. (See adv. Index & branch offices, end of book)

Increasers (Drainage)

National Tube Co., Pittsburg, Pa.

Indian Clubs

Estes, E. B. & Sons, 74 Warren, New York
Hellenburg & Son, Coldwater, Mich.
Narragansett Machine Co., Providence, R. I.
Sandusky Tool Co., Sandusky, O.

*Indicator Attachment

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. Index & branch offices, end of book)

Indicators (Center)

Lindholm, A. C. (Rotary), New Haven, Conn.
Slocomb, J. T. Co., Providence, R. I.

Indicators (Combination)

(For Testing the Truth of a Hole or Shaft)
Slocomb, J. T. Co. (For Testing the Truth of a Hole or Shaft), Providence, R. I.

Indicators (Combined Gas & Steam)

CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. Index & branch offices, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Indicators (Course)

Hand, John, & Sons ("Faulkner-Ellis"), 222 Walnut, Philadelphia, Pa.

Indicators (Electric Speed)

Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Indicators (Elevator)

ELEVATOR SUPPLY & REPAIR CO. ("Armstrong"), 76 W. Monroe, Chicago, Ill. (See adv. Index & branch offices, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. Index, end of book)
Herzog Teleseme Co., 51 W 24th, New York
Somerville, John (Fluid), 156 W 30th, New York
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. Index, end of book)
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. Index & branch offices, end of book)

Indicators (Fuel Level)

Auto Improvement Co. ("Ever Ready"), 316 Hudson, New York
Auto Pump Co., Springfield, N. Y.
Blood Bros. Machine Co., 144 N Edwards, Kalamazoo, Mich.
Boston Auto Gage Co. ("Triumph"), 8 Waltham, Boston, Mass.
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Janney, Steinmetz & Co., 4th & Market, Phila., Pa.
Jones, Joseph W., 127 W 32d, New York
Kinsey Mfg. Co., 1126 E 3d, Dayton, O.
Ohio Brass Co., Mansfield, O.
Schaeffer & Budenberg Mfg. Co. ("S. & B."), 963 Kent av, Brooklyn, N. Y.
Turner Brass Works, 65 Mich. av, Chicago, Ill.

Indicators (Gas Engine)

CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. Index & branch offices, end of book)
Schaeffer & Budenberg Mfg. Co. ("Thompson" & "S. & B."), 963 Kent av, Brooklyn, N. Y.
Trill Indicator Co., Corry, Pa.

Indicators (Helm)

Cory, Chas. & Son, 278 Division, New York
Hyde Windlass Co., Bath, Me.

*Indicators (Hydraulic)

CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. Index & branch offices, end of book)

Indicators (Lathe)

Brown & Sharpe Mfg. Co., Providence, R. I.
STARRETT, L. S. CO., Athol, Mass. (See adv. Index & branch offices, end of book)

Indicators (Lightning)

Bajohr, Carl, 4055 Keokuk, St. Louis, Mo.

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Indicators (Log Setting)

Filer & Stowell Co., Home Office, Milwaukee, Wis.
Lane Mfg. Co., Montpelier, Vt.

Indicators (Low Water)

(See Alarms, Low Water)

Indicators (Machine)

Norton Grinding Co. (For Testing Truth & Alignments of Machine Parts), Worcester, Mass.

Indicators (Polarity)

Dale Co., 9th av & 13th, New York
Keystone Electrical Instrument Co. (Potential & Current), 901 Montgomery av, Phila., Pa.
Steele Glass Co., 622 Locust, Phila., Pa.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Indicators (Speed)

American Steam Gauge & Valve Mfg. Co. ("Amer. Thompson"), Boston, Mass.
Ashcroft Mfg. Co., 85 Liberty, New York
Ashton Valve Co., 271 Franklin, Boston, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Bowsher, N. P. Co. (or Motion for Water Power, etc.), South Bend, Ind.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown, Edward & Son (Recording Revolution with Chart), 313 Walnut, Phila., Pa.
CROSBY STEAM GAGE & VALVE CO., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Disston, Henry & Sons (Inc.), Tacony, Philadelphia, Pa.
Durant, Walter N. Co., Milwaukee, Wis.
Emerson, Smith & Co., Beaver Falls, Pa.
Grant Mfg. & Machine Co. (Revolution Counters), Bridgeport, Conn.
Greene, Tweed & Co., 109 Duane, New York
INDUSTRIAL INSTRUMENT CO. (For Speed & Stroke), Foxboro, N. Y. (See adv. index & branch offices, end of book)
Lintner, Wm. T., Gloversville, N. Y.
Marsh, Jas. P. & Co., 224 Washington, Chicago, Ill.
Mixter, J. W. Saw Tool Co. ("Mixter"), Plymouth, Mass.
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Steam Specialty Co., 230 E Washington, Chicago, Ill.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Schuchardt & Schutte ("Initiative"), 90 West, New York
Star Brass Mfg. Co., Boston, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Uehling Instrument Co., Passaic, N. J.
United States Gauge Co., 67 Wall, New York
Veeder Mfg. Co. ("Veeder"), Hartford, Conn.
Wing, J. T., & Co., 19 Woodward av, Detroit, Mich.
Woodman, R. Mfg. & Supply Co. ("Woodman & Hudson's"), 63 Oliver, Boston, Mass.

Indicators (Station)

Muirhead, W. R. (Automatic Railroad), Bridgeport, Conn.
Singer Sewing Machine Co. ("Boynton," for Railroads), 149 B'way, New York

Indicators (Steam Engine)

American Steam Gauge & Valve Mfg. Co. ("Amer. Thompson Improved"), 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. ("Tabor"), 85 Liberty, New York
Bushnell, Jno. S. & Co. ("Batchelder"), 227 Fulton, New York
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Lippincott Steam Specialty & Supply Co. ("Lippincott," "Excelsior," "Howard," "Thompson"), Newark, N. J.
Robertson, Jas. L. & Son (Inc.) ("Robertson-Thompson"), 48 Warren, New York
Schaeffer & Budenberg Mfg. Co. ("Lyne" & "Thompson"), 963 Kent av, Brooklyn, N. Y.
Star Brass Mfg. Co., Boston, Mass.
Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
Thompson, Richard & Co. ("Thompson's"), 126 Liberty, New York
Trill Indicator Co. ("Trill," "Triumph," "Perfection"), Corry, Pa.

Indicators (Tank)

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Quimby Engineering Co. ("U. S. Standard" Mercury), 913 Ridge av, Phila., Pa.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
Tankometer Co., 89 State, Boston, Mass.

Indicators (Test)

Brown & Sharpe Mfg. Co. (Dial Lathe, etc.), Providence, R. I.
Koch, Henry, & Son, Nyack, N. Y.
Reisner, W. H. Mfg. Co. (Dial, Lathe, etc.), Hagerstown, Md.
STARRETT, L. S. CO. (Universal), Athol, Mass. (See adv. index & branch offices, end of book)

Indicators (Valve)

Walworth Mfg. Co. (The Half), 132 Federal, Boston, Mass.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Indicators (Water)

Steigert, Leopold ("U. S." for Boilers), Elder & Logan, Cincinnati, O.

Indicators (Wire Rope)

Chain Belt Co., Milwaukee, Wis.

*Indurated Board

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)



Indurated Fibre Ware

United Indurated Fibre Co. of N. J. ("Fibrotta"), Lockport, N. Y.

Ingot Extractors

Lewis Foundry & Machine Co., Coraopolis, Pa.
Mesta Machine Co., Pittsburg, Pa.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index, end of book)
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburg, Pa.

Ingot Strippers (Electric & Hydraulic)

Modern Steel Structural Co., Waukesha, Wis.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Ingots (Aluminum)

Aluminum Co. of America, Pittsburg, Pa.
American Metal Co. (Ltd.), 52 B'way, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
Janney, Steinmetz & Co., 4th & Market, Philadelphia, Pa.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Scoville Mfg. Co., Waterbury, Conn.
Waite, Raniet & Co., Boston, Mass.

Ingots (Brass & Copper)

Ajax Metal Co., 46 Richmond, Philadelphia, Pa., & Birmingham, Ala.
American Metal Co. (Copper), 52 B'way, New York
American Smelting & Refining Co., 9th & Freeman, Cincinnati, Ohio
Ansonia Brass & Copper Co., Ansonia, Conn
Blatchford, E. W. Co., 78 W Clinton, Chicago, Ill.
Douglas Copper Co. (Copper Only), 42 B'way, New York
Duquesne Reduction Co., Farmers' Bank bldg, Pittsburg, Pa.
Great Western Smelting & Refining Co., 173 W Kinzie, Chicago, Ill.
Hayman, Mich'l & Co. (Copper), Buffalo, N. Y.
Hendricks Bros., 49 Cliff, New York
Hiertz, Thos. Metal Co., Tenn av & Poepping, St. Louis, Mo.

TRADE-MARK
CROSBY

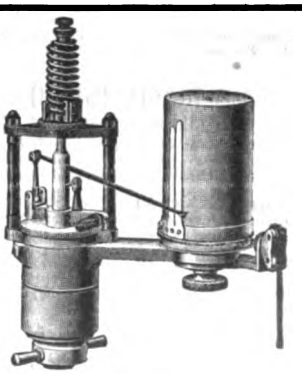
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ABOVE ALL OTHERS IS THE INSTRUMENT RELIED UPON IN MAKING ELABORATE TESTS OF POWER PLANTS.

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Hurley & Wainwright, 81 Fulton, New York
Hussey, C. G. & Co., 2850 2d av, Pittsburg Pa
Illinois Smelting & Refining Co. (Brass), Kinzie & Peoria, Chicago, Ill.
Kramer, H. & Co., 353 S. Canal, Chicago, Ill.
LEAVITT, C. W. & CO. (Copper only), 30 Church, New York. (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Reeves, Paul S. & Son (Red, White & Yellow Brass & Pure Copper, etc.), 1415 Catharine, Phila., Pa.
Roessing Bronze Co., Etna, Pa.
Shimer, H. M & Co. (Red & Yellow), 19tl & Wash'n av, Phila., Pa
Syracuse Smelting Works, Syracuse, N. Y.
Tottenville Copper Co. (O. C. T.), Tottenville N. Y
Trench, C. S. & Co., 81 Fulton, New York
Waite, Ranlet & Co., Boston, Mass.
WALSH'S SONS & CO., Newark, N. J (See adv. index, end of book)
White & Bro. (Inc.) (Red & Yellow Brass, etc.), 1502 E Wilt, Philadelphia, Pa
Woodfall Bros., 1105 Fairmount av, Phila., Pa.

Ingots (Bronze)

Ajax Metal Co., Philadelphia, Pa.
National-Fulton Brass Mfg. Co. ("Monarch") Detroit, Mich
Reeves, Paul S & Son, 1415 Catharine, Phila.,
Roessing Bronze Co., Etna, Pa. Pa.
U. S. Bronze Co., 1831 Columbus rd, Cleveland, O.

Ingots (Copper)

(See Ingots, Brass & Copper)

Ingots (Manganese Bronze)

American Manganese Bronze Co., 99 John, New York
Cramp, Wm. & Sons Ship & Engine Building Co. ("Parsons"), Philadelphia, Pa.
Reeves, Paul S. & Son ("Tubal"), 1415 Catharine, Phila., Pa.

*Ingots (Nickel)

MERCHANT & EVANS CO. (Inc.), 517 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Ingots (Phosphor Bronze)

Ajax Metal Co., 46 Richmond, Philadelphia Pa., & Birmingham, Ala
Damascus Bronze Co., Allegheny, Pa.
Edna Smelting & Refining Co., 525 Reading rd Cincinnati, O., & Monadnock blk, Chicago Ill
Great Western Smelting & Refining Co. 173 W Kinzie, Chicago, Ill
MERCHANT & EVANS CO., Inc., 517 Arch Phila., Pa. (See adv. index & branch offices, end of book)
Phosphor Bronze Smelting Co., 2200 Washington av, Philadelphia, Pa
Reeves, Paul S. & Son, 1413 Catharine, Philadelphia, Pa
Syracuse Smelting Works, Syracuse, N. Y.
U. S. Bronze Co., 1831 Columbus rd, N W Cleveland, O

Ingots (Steel)

(See also Billets, Blooms & Slabs, Steel)

Allegheny Steel Co. (Open Hearth), Pittsburg Pa
American Bridge Co. (Open Hearth), Pittsburg, Pa
AMERICAN STEEL & WIRE CO. (Bessemer & Open Hearth), Commercial National Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American Tube & Stamping Co. (Open Hearth), Bridgeport, Conn
Andrews Steel Co. (Basic Open Hearth), Newport, Ky
Ashland Steel Co. (Bessemer), Ashland, Ky.
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa
Buffalo Crucible Castings Co. (Crucible Cast Steel), Buffalo, N. Y
Cambria Steel Co. (Bessemer, Acid & Basic Open Hearth), Arcade bldg., Phila., Pa.
Carbon Steel Co. (Acid & Basic Open Hearth) Pittsburg, Pa.
Carnegie Steel Co. (Bessemer & Open Hearth), Pittsburg Pa
Carpenter Steel Co. (Crucible), Reading, Pa.
Cascade Steel Foundry Co. (Basic Open Hearth), Seattle, Wash.
Central Iron & Steel Co. (Open Hearth), Harrisburg, Pa.
Chrome Steel Works (Chrome Steel), Chrome, N. J.
Colonial Steel Co. (Crucible & Open Hearth), Pittsburg, Pa
Colorado Fuel & Iron Co. (Bessemer & Open Hearth), Denver, Col.
Crucible Steel Co. of America (Crucible & Open Hearth), Pittsburg, Pa.
Cyclops Steel Works (Crucible), Titusville, Pa.
Farist Steel Co. (Crucible), Bridgeport, Conn.
Halcomb Steel Co. (Crucible & Open Hearth), Syracuse, N. Y.
Harrisburg Pipe & Pipe Bending Co. (Open Hearth), Harrisburg, Pa.
Indiana Steel Co. (Open Hearth), Commercial Bank bldg., Chicago, Ill.
Jessop Steel Co. (Crucible), 91 John, New York
Jones & Laughlin Steel Co. (Bessemer & Open Hearth), Pittsburg, Pa.
Lackawanna Steel Co. (Bessemer & Open Hearth), Buffalo, N. Y.
Lucknow Iron & Steel Co. (Open Hearth), Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth), Coatesville, Pa.
Maryland Steel Co. (Bessemer), Sparrows Point, Baltimore, Md.
Midvale Steel Co. (Crucible & Open Hearth), Nicetown, Phila., Pa.
National Tube Co. of Ohio (Bessemer), Lorain, O.
Niagara Forged Steel Co. (Open Hearth), Buffalo, N. Y.
Norwalk Steel & Iron Co. (Crucible & Open Hearth), Norwalk, O.
Otis Steel Co. (Acid & Basic Open Hearth), Cleveland, O.
Page Woven Wire Fence Co. (Open Hearth), Monessen, Pa.
Pennsylvania Steel Co. (Bessemer, Open Hearth & Crucible), Girard bldg., Phila., Pa.
Phoenix Iron Co. (Acid & Basic Open Hearth), 410 Walnut, Phila., Pa.
Pittsburg Steel Foundry (Open Hearth Cast, Up to 70,000 lbs.), Pittsburg, Pa. Works: Glassport, Pa.
Portsmouth Steel Co. (Acid & Basic Open Hearth), Wheeling, W. Va.
Republic Iron & Steel Co. (Bessemer), Pittsburg, Pa.
SHARON STEEL HOOK CO. (Acid & Basic Open Hearth), Sharon, Pa. (See adv. index & branch offices, end of book)
Southern Steel Co. (Basic Open Hearth), Birmingham, Ala.
Standard Steel Works Co. (Open Hearth), Harrison bldg., Phila., Pa
Taylor, N. & G. Co. (Open Hearth), Mariner & Merchants' bldg., Phila., Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth, Rail, etc.), Birmingham, Ala
Tremont Nail Co. (Soft Steel), West Wareham, Mass., & 76 Pearl, Boston, Mass.
West Leechburg Steel Co. (Basic Open Hearth), Pittsburg, Pa.
Worth Bros. Co. (Acid & Basic Open Hearth), Coatesville, Pa.

Ingots (Zinc)

American Smelting & Refining Co., 165 B'way, New York
Lanyon Zinc Co., Iola, Kans.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
New Jersey Zinc Co., 55 Wall, New York

Injectors (Locomotive)

American Injector Co. ("World" Injector), Detroit, Mich
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Chicago Injector Co. ("Garfield"), Wadsworth, Ohio
Crane Co. (Est. 1855), 519 S Canal, Chicago Ill. (See adv. index & branch offices, end of book)
Edna Smelting & Refining Co. ("Monitor"), 525 Reading rd, Cincinnati, O
Griffiths, Jas. A. ("Eclipse"), 500 N. 12th Philadelphia, Pa
Hancock Inspirator Co. ("Hancock" Inspirators, for Locomotive, Marine & Stationary Purposes), 85 Liberty, New York
Handlan-Buck Mfg. Co. ("Perfection"), 212 N. 3d, St. Louis, Mo.
Hayden & Derby Mfg. Co. ("Metropolitan," etc.), 85 Liberty, New York
Lonergan, Jas. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Nathan Mfg. Co. ("Simplex," "Nathan," "Monitor"), 85 Liberty, New York
Ohio Injector Co. ("Garfield"), Wadsworth, O.
Penberthy Injector Co. ("Penberthy," Autopositive), 346 Holden av, Detroit, Mich.
Powell, Wm. Co., 2525 Spring Grove av., Cincinnati, O.
Schutte & Koerting ("Koerting"), 1251 N 12th, Phila., Pa
Sellers, William, & Co., 1600 Hamilton, Philadelphia, Pa.
Sherwood Mfg. Co. ("Buffalo"), Buffalo, N. Y.

*Injectors (Oil)

LUNKENHEIMER CO. ("Standard"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Injectors & Ejectors (Boiler)

American Injector Co. ("U-S," "World"), Detroit, Mich.
Automatic Injector Co., Cincinnati, O.
Baker-Churchill-Lee Co. ("Lee"), Detroit, Mich.
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Desmond-Stephen Mfg. Co. ("Desmond"), Urbana, O.
Detroit Lubricator Co. ("Detroit" Boiler Oil), Detroit, Mich.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Eynon-Evans Mfg. Co. ("Niagara" & "Eynon-Korting"), 1519 Clearfield, Philadelphia, Pa.
FAIRBANKS, MORSE & CO. ("Chief"), Chicago, Ill. (See adv. index & branch offices, end of book)
Griffiths, Jas. A. ("Keystone," "Champion," "Eclipse"), 500 N. 12th, Philadelphia, Pa.
Hancock Inspirator Co. ("Hancock" Inspirators, "Loftus"), 85 Liberty, New York
Hayden & Derby Mfg. Co. ("Metropolitan," "H. & D." Automatic & Double Tube), 85 Liberty, New York
Jenkins Bros. ("Seller's Restarting"), New York
Keyes, F. E. & Son ("Advance"), 20 Broad, New York
Lonergan, J. E. & Co. ("Clipper," "Ajax"), 211 Race, Phila., Pa.
LUNKENHEIMER CO. (General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., New York
Nathan Mfg. Co. ("Nathan," "Gresham," "Monitor," "Simplex," "Friedmann"), 85 Liberty, New York
National Injector Co. ("National"), Geneva, O.
Ohio Injector Co. ("Garfield" Double Jet, "Chicago" Automatic), Wadsworth, O.
PATTERSON, GOTTFRIED & HUNter Co., 211 Center, New York.
Penberthy Injector Co. ("Penberthy," Automatic, Auto-Positive & "X1-90"), Auto-Holden av, Detroit, Mich.
Powell, Wm. C. (Stationary & Marine), 2525 Spring Grove av., Cincinnati, O.
Randle Machinery Co. ("Leader"), Powers & C. H. & D. R'y, Cincinnati, O.
Rue Mfg. Co. ("Little Giant," "Unique" & "Fixed Nozzle"), 228 Cherry, Philadelphia, Pa.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Schutte & Koerting ("Koerting" & "Universal"), 1258 N. 12th, Philadelphia, Pa.
Sellers Wm. & Co. (Locomotive & Boiler), 1600 Hamilton, Philadelphia, Pa.
Sherwood Mfg. Co. ("Buffalo," "Sherwood," "Eagle"), Buffalo, N. Y.
Steam Appliance Co. ("Triumph"), Milwaukee, Wis.
Stephens, Roe Mfg. Co. ("Michigan," "Roe," "Detra"), Detroit, Mich.
Tranter Mfg. Co., ("Peerless"), Pittsburg, Pa.
Van Duzen, E. W. Co., Cincinnati, O.
Watson, N. A. ("Excelsior"), Erie, Pa.
Watson & McDaniel Co. ("McDaniel"), Ejectors), 146 N 7th, Phila., Pa.

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*Inkoff

SOLTMANN.E.G.

(Eradicator for Tracing Cloth. Washes Black Waterproof Ink Off Like Washing Off a Slate), 125 E 42d, New York. (See adv. index, end of book)

*Inkograf Prints, Reproduced on Paper or Tracing Cloth

SOLTMANN.E.G.

(Also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Inks (Printing & Lithograph)

American Printing Ink Co., 1127 W 6th, Cincinnati, O.
American Printing Ink Co. (Wood Printing), 891 W Kinzie, Chicago, Ill.
Ault & Wiborg Co., 534 Pearl, New York
Barnard, F. A. & Son, 349 Dearborn, Chicago.
Buffalo Printing Ink Works (Copyable Printing), Buffalo, N. Y.
California Ink Co., 11 Jones, San Francisco, Cal.
Eagle Printing Ink Co., 24 Cliff, New York
Fuchs & Lang Mfg. Co., 29 Warren, New York
Golding Mfg. Co., 177 ft Hill sq., Boston, Mass.
Janecke Printing Ink Co., 119 Worth, New York
Johnson, Charles Eneu & Co., 47 Rose, New York
Kane & Company, 108 5th av, Chicago, Ill.
Levey, Frederick H. Co., 59 Beekman, New
Morrill, George H. Co., 49 Rose, New York
NAUMANN MFG. COMPANY, Stamford, Conn., & 28 City Hall pl., New York. (See adv. index, end of book)

NAUMANN
MANUFACTURING CO.
Printing and Lithographing Inks
Put up in "Non-Skin" Cans
28 CITY HALL PLACE, NEW YORK
STAMFORD CONN.

Queen City Printing Ink Co., 1925 South, Cincinnati, O.
Shattuck, E. J. & Co., 505 Clay, San Francisco, Cal.
Sinclair & Valentine, 5 Marion, New York
Standard Printing Ink Co., Cincinnati, O.
Thalmann Printing Ink Co., St. Louis, Mo.
Ullman, Sigmund Co., 180 William, New York
Underwood, John & Co., 30 Vesey, New York
Webster, F. S. Co., Boston, Mass.
Wilson Printing Ink Co., W. D. 17 Spruce, New York
Wright Printing Ink Co., Phila., Pa.

Inks (Writing)

Barnes National Ink Co., 222 N 5th, Phila., Pa.
Carter's Ink Co., Boston, Mass.
Caw's Pen & Ink Co., 40 Vesey, New York
Davids, Thaddeus Co., 127 William, New York
Diamond Ink Co., Milwaukee, Wis.
Heller, B. & Co., 249 S Jefferson, Chicago, Ill.
Higgins, Chas. M. & Co., 271 9th av, Brooklyn, N. Y.
Keller, Rob't Ink Co., Detroit, Mich.
Kirk, H. D., 72 S Canal, Chicago Ill.
Levison & Blythe Mfg. Co., St. Louis, Mo.
Moore, J. & I. E., Warren, Mass.
Paul's Ink Co., Jersey City, N. J.
Pierce Mfg. Co., 60 Wells, Chicago, Ill.
Sanford Mfg. Co., Chicago, Ill.
Stafford, S. S. (Inc.), 605 Washington, New York
Thomas, L. H. Co., 220 Peoria, Chicago, Ill.
Underwood, John & Co., 30 Barclay, New York
Wallior Ink Works, 6035 Monroe av, Chicago, Ill.
Worden Ink & Mfg. Co., 67 Pearl, New York

Inkstands & Wells

Cushman & Denison Mfg. Co. ("Capitol," Non Evaporating), 240 West 23d, New York
National Sheet Metal Co. ("Nicolene")' Peru, Ill.
Sengbrusch Self Closing Inkstand Co. (Self Closing), Milwaukee, Wis.
Tatum, Sam'l C. Co. (Iron, Glass, Hardwood etc.), Cincinnati, O.

Inlets (Fresh Air)

CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)
Desper, Henry A., Worcester, Mass.
Du Bois, Fred'k N. & Co., 247 9th av, New York
Fee & Mason, 66 Beekman, New York.
Hart-Ayres Plumbing Co., 4th av c Degraw, Brooklyn, N. Y.
Mott, J. L. Iron Works, 118 5th av, N. Y.
Perfect Fresh Air Inlet Co., 125 E 42d, New York
Zero Valve & Brass Mfg. Co., 296 Seneca, Buffalo, N. Y.

Inspection of Iron, Steel, Concrete & General Construction

Bartholomew, H. (Testing a Specialty), Phoenixville, Pa
Stebbings, W. L., Monadnock blk, Chicago, Ill.

Inspirators

(See Injectors)

Instruments (Astronomical)

Bausch & Lamb Optical Co., Rochester, N. Y.
BUFF & BUFF MFG. CO., Jamaica Plain, Boston, Mass. (See adv. index, end Warner & Swasey Co., Cleveland, O. of book)

Instruments (Electrical Testing & Measuring)

American Instrument Co. ("American"), 16 Lawrence, Newark, N. J.
Biddle, Jas. G. (Testing), Phila., Pa.
BRISTOL CO., Waterbury, Conn. (See adv. index & branch offices, end of book)
Burke Electric Co., Real Estate Trust bldg, Philadelphia, Pa
Cutter Co. (Keystone Measuring), Phila., Pa.
Eldredge Electric Mfg. Co., Springfield, Mass.
Elms Electric Works, 145 E. 23d, New York.
Foote, Pierson & Co. ("Delta" Testing), 82 100 Duane, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Keystone Electrical Instrument Co., 9th & Montgomery av, Phila., Pa.
Leeds & Northrup Co., 4901 Stenton av, Gtn., Philadelphia, Pa
Machade & Roller, 203 B'way, New York
Myers Break Finding Co. (Testing), Syracuse, N. Y.
Norton Electrical Instrument Co., Manchester, Conn
QUEEN & CO. (Inc.), n. w. cor 8th & Arch, Phila., Pa. (See adv. index, end of book)
Ritchie, E. S. & Sons, Brookline, Mass.
Sanzamo Electric Co., Springfield, Ill.
Roller-Smith Co. (Rail Bond Testing Co., etc.), Bethlehem, Pa.
Shore Instrument & Mfg. Co. ("Sclerascope" for Steel & Other Materials), 226 W 24th.
Simplex Co., Newark, N. J. New York
Wagner Electric Mfg. Co., St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. Co, Union B'k bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston Electrical Instrument Co. Waverly Park, Newark, N. J.

Instruments (Leveling)

Athol Machine Co., Athol, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Instruments (Mathematical)

(See Instruments, Nautical; also Scientific; also Engineering & Surveying.

Instruments of Precision

Altenedier Theo. & Son, 945 Ridge av, Phila.
Riego, Alex. J. R., Lynn, Mass. Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Instruments (Nautical)

Albrecht, Chas. R., 62 Fulton, New York
Bliss, Jno. & Co., 128 Front, New York
Hand, Jno. & Sons, 222 Walnut, Phila., Pa.
Keuffel & Esser Co., 127 Fulton, New York
Riggs & Bros., 310 Market, Philadelphia, Pa.
Ritchie, E. S. & Son, Brookline, Mass.
Rupp, Michael & Co., 39 South, New York

Instruments (Scientific)

Beckman, L. Co. (Surveying), Toledo, O.
Hanna Mfg. Co. (Mathematical), Troy, N. Y.
Keuffel & Esser Co., 127 Fulton, New York.
SOLTMANN.E.G.
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)
QUEEN & CO. (Inc.), n. w. cor 8th & Arch, Phila., Pa. (See adv. index, end of book)
WISSLER, A. INSTRUMENT WORKS, 601-615 N B'way, St. Louis, Mo. (See adv. index, end of book)

*Instruments (Scientific, Second-Hand Transits & Levels)

SOLTMANN.E.G.
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Instruments (Telegraph)

BUNNELL, J. H. & CO. (Also Telegraph Appliances), Park pl. & Church, New York. (See adv. index, end of book)
Dinsmore & Lawton ("D. & L."), 134 Van Buren, Chicago, Ill.
Ericsson, L. M. Telephone Mfg. Co., Buffalo, N. Y.
Foote, Pierson & Co. (Measuring & Testing Instruments of Precision), 100 Duane, New York
Manufacturers' & Investors' Electric Co. ("Morse Watch"), 84 Nassau, New York
Omnigraph Mfg. Co., 39 Cortlandt, New York
United States Electric Co. ("Gill" Selector), 95 William, New York
Viaduct Co., Relay, Md.
Voltamp Elec. Mfg. Co., Baltimore, Md.
Western Electric Co., 250 S. Clinton, Chicago, Ill., & 57 Bethune, New York

Instruments (Testing & Measuring)

(See Instruments, Electrical Testing & Measuring)

Instruments (Wireless Telegraph)

Clark Wireless Telegraph-Tel. Co., Detroit, Mich.
International Telegraph Construction Co. ("Shoemaker"), 25 Broad, New York
National Elec. Signaling Co. ("Fessenden"), Pittsburg, Pa.
Radio Telephone Co. ("De Forest"), 103 Park av, New York

Insulated Joints (for Electrical Track Circuits)

Continuous Rail Joint Co., Newark, N. J.
Weber Railway Joint Mfg. Co., 71 B'way, New York

Insulated Wire

(See Wire, Insulated)

Insulating Asphalt

Impervious Product Co., 213 St. Paul, Baltimore, Md.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Standard Asphalt & Rubber Co. ("Sarco" Asphalt Gum), 205 La Salle, Chicago, Ill.
Stowell Mfg. Co., 114 to 134 Culver av, Jersey City, N. J.
Warren Chemical & Mfg. Co., 17 Battery pl, New York

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Insulating Board
(See Insulating Papers)

Insulating Cloth
(See also Mica; also other Insulating Specialties)

American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
Chicago Mica Co. ("Champion"), Valparaiso, Ind.
Consumers' Rubber Co. ("Euclid"), Cleveland, Ohio
Massachusetts Chemical Co., Walpole, Mass.
Mica Insulator Co. ("Empire"), 67 Church, New York
Packard Electric Co., Warren, O.
Pittsburg Insulating Co., Pittsburg, Pa.
Standard Paint Co. ("P. & B."), 100 William, New York
United States Insulating Co., Fulton bldg, Pittsburg, Pa.
VAN DORN ELECTRIC & MFG. CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)

Insulating Compounds
(See also Paints, Insulating; also Insulating Varnishes)

American Electric Fuse Co. ("Merico" Cable Compounds), Muskegon, Mich.
American Mica Co. ("A-M-C"), Newton Lower Falls, Mass.
Candy & Co. ("Faultless"), 102 N Lincoln, Chicago, Ill.
Cochrane Chemical Co., 26 Cortlandt, New York
Consumers' Rubber Co. ("Red Black," "Samson" Gum Rubber), Cleveland, O.
Crescent Co. ("Crescent," "Chatterton"), Valparaiso, Ind.
Dielectric Co. of America, Belleville, N. J.
Dielectric Mfg. Co., St. Louis, Mo.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Electric Cable Co. ("Voltax," Non-Rubber), Bridgeport, Conn.
Electrose Mfg. Co., 127 N 10th, Brooklyn, N. Y.
Farrington Co. ("Collisol"), 15 State, Boston, Mass.
Garton, W. R. Co. ("Velvapara"), 118 W Jackson boul, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Insulative Co., 1 B'way, New York
Johns, H. W.-Manville Co. ("J-M"), 100 William, New York
JOHNS-PRATT CO., THE, Hartford, Conn.
Kornit Mfg. Co. ("Kornit"), Belleville, N. J.
Massachusetts Chemical Co. ("Walpole," "Maschemco," "Union Splice," "Neponset"), Walpole, Mass.
Mica Insulator Co. ("M. I. C."), 68 Church, New York
Minerallac Co., 1061 Monadnock blk, Chicago, Ill.
Mitchell, Wm. E. G. ("B-S"), 88 Maiden la, New York
Morgan & Wright (Inc.) (Stick Insulating, for Splicing Cables, etc.), Detroit, Mich.
National Insulator Co., Boston, Mass.
Ohio Brass Co. ("Dirigo"), Mansfield, O.
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)
Railway Specialty & Supply Co. ("A-C"), Great Northern bldg., Chicago, Ill.
Smith, Edw. & Co. (Baked Coating), 141 B'way, New York
Standard Asphalt & Rubber Co. ("Sarco"), 205 La Salle, Chicago, Ill.
Standard Paint Co. ("P. & B."), 100 William, New York
Standard Underground Cable Co. ("Ozite"), Westinghouse bldg, Pittsburg, Pa.
Sterling Varnish Co., Pittsburg, Pa.
Trotter, E. T. Co. ("Ozokerite," "Ceserine"), 602 Johnson av, Brooklyn, N. Y.
VAN DORN ELECTRIC & MFG. CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)
Warren Chemical & Mfg. Co., Whitehall bldg, New York
Weser Supply Co. ("Wesco"), St. Louis, Mo.
Western Electric Co. ("W. E. Pothead"), 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York

Insulating Devices (Moulded)
Scranton Button Co. (Electroid), Scranton, Pa.

Insulating Fibre
(See also Fibre, Hard)

AMERICAN VULCANIZED FIBRE CO. Wilmington, Del. (See adv. index, end of book)
Boonton Rubber Co., Boonton, N. J.
DELAWARE HARD FIBRE CO., Wilmington, Del.; Works: Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Leatheroid Mfg. Co., Kennebunk, Me.
National Fibre Insulation Co., Yorklyn, Del.
Spaulding, J. & Sons Co., North Rochester, N. H.
Union Fibre Co. ("Lith," Rock & Flax Fibre), Winona, Minn.
United Indurated Fibre Co. N. J. ("Fibrotte" for Covering Third Rails & Wires), Lockport, N. Y.
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

Insulating Fixture Joints
Chicago Gas & Electric Fixture Mfg. Co., 19 S Jefferson, Chicago, Ill.
Flagg, Stanley G. & Co., 424 N 19th, Phila., Pa.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Macallen Co., c Foundry & Division, Boston
Mitchell-Vance Co. ("Robb" Fixture), 507 W 24th, New York
Pass & Seymour, Solvay, N. Y.

Insulating Paints
(See Paints, Insulating)

Insulating Papers
(See also Mica)

American Insulating Material Mfg. Co. (Sawyer's "Polar Brand"), Alexandria, Ind.
American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
AMERICAN VULCANIZED FIBRE CO. Wilmington, Del. (See adv. index, end of book)
Barrett Mfg. Co. (Also Insulating Rope), Land Title bldg, Phila., Pa.
Bird, F. W. & Son (Insulating Papers) East Walpole, Mass.
CABOT, SAMUEL (Cabot's Quilt), 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
Case Bros. (Boards, Any Size or Thickness), Highland Park, Conn.
Crane Bros. ("Linenoid"), Westfield, Mass.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
Dexter, C. H. & Sons (Tissue, etc.), Windsor Locks, Conn.
DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)
Green Insulation Co. ("Q. A."), Cleveland, O.
Hollingsworth & Vose Co. (All Grades for Insulating), Boston, Mass.
Johns, H. W.-Manville Co. (Asbestos), 100 William, New York
Lincoln Waterproof Cloth Co., Boundbrook, N. J.
Massachusetts Chemical Co. ("Neponset"), Walpole, Mass.
Merwin Paper Co. (Insulating Boards), Rainbow, Conn.
MORRIS ELECTRIC CO. ("Fyberoid"), Wilmington, Del.
National Metal Molding Co. (Paper for Insulating), Boonton, N. J.
National Wax & Paper Mfg. Co., 199 Franklin, New York
Pittsburg Insulating Co., Pittsburg, Pa.
Ramsey, E. R. Co. (Insulating Fibre), Penn Yan, N. Y.
Rogers Paper Mfg. Co. (Insulating Boards), South Manchester, Conn.
Single, Jno. Paper Co., Syracuse, N. Y.
Standard Paint Co. ("P. & B.," "Giant"), 100 William, New York
Tarentum Paper Mills (Rope Paper for Insulating), Pittsburg, Pa.
Union Fibre Co. (And Quilts, "Linofelt"), Winona, Minn.
Union Mills Paper Mfg. Co. (Manila Rope for Insulating), New Hope, Pa.
United States Insulating Co., Fulton bldg, Pittsburg, Pa.
VAN DORN ELECTRIC & MFG. CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)
WATSON, H. F. CO. (Asbestos), Erie, Pa. (See adv. index & branch offices, end of book)
Whittelsey Paper Co. (Tissue, etc.), Windsor, Locks, Conn.
WILMINGTON FIBRE SPECIALTY Co. ("Fyberoid"), Wilmington, Del. (See adv. index, end of book)
York Haven Paper Co. (Insulating Paper), 11 B'way, New York

Insulating Press Boards
(See Press Boards)

Insulating Rubberized Asbestos
Boonton Rubber Co., Boonton, N. J.

Insulating Saddle Staples
Insulating Saddle Staples Co. (For Electrical Work), Brockton, Mass.

Insulating Solder, Paste, Salts, Etc.
(See Soldering Paste, Salts & Stick)

Insulating Tape
(See Tape, Insulating)

Insulating Varnish
(See also Insulating Paints; also Insulating Compounds)

Berry Bros., Detroit, Mich.
Calman, Emil & Co. ("Ohmlac"), 100 William, New York
Central Paint & Supply Co. ("Gilseligloss"), St. Louis, Mo.
Devoe, F. W. & C. T. Reynolds Co., c Fulton & William, New York
Dielectric Mfg. Co., St. Louis, Mo.
Eagle Paint & Varnish Co., Pittsburg, Pa.
Grothwell, Armand ("Mogul"), 350 W 25th, New York
Irvington Varnish & Insulator Co., Irvington, N. J.
Massachusetts Chemical Co. ("Armalac"), Walpole, Mass.
Moller & Schumann Co., Marcy av, Brooklyn, Murphy Varnish Co., Newark, N. J. N. Y.
Packard Electric Co., Warren, O.
Sherwin-Williams Co., Cleveland, O.
Smith, Edw. & Co., 141 B'way, New York
Standard Paint Co. ("P. & B."), 100 William, New York
Standard Varnish Works, 29 B'way, New York
Sterling Varnish Co., Pittsburg, Pa.
VAN DORN ELECTRIC & MFG. CO., 2694 E 79th, Cleveland, O. (See adv. index, end of book)

*Insulating ("Vulcabeston")
JOHNS-PRATT CO., THE, Hartford, Conn.

Insulation (Asbestos)
(See Asbestos Lumber)

Insulation (Cold Storage & Refrigerator)
Armstrong Cork Co., 23d & River, Pittsburg, Pa.
Barrett Mfgt. Co. (Insulating Rope), Land Title bldg, Philadelphia, Pa.
Fay Manilla Roofing Co., Camden, N. J.
Hydrex Felt & Engineering Co., 120 Liberty, New York
Johns, H. W.-Manville Co. ("Keystone" Hair, "J. M." Sheet Cork), 100 William, New York
Nonpariel Cork Works (Granulated Cork), 50 Church, New York
Redway, A. J. & Co. ("Linofelt"), Mitchell bldg, Cincinnati, O
Union Fibre Co. ("Linofelt," Water-proof Lith & Cork Boards), Winona, Minn.
United Cork Co. ("Star" Cork Board), Hoboken, N. J
WYCKOFF, A. & SON CO. (Wood), Elmira, N. Y. (See adv. index, end of book)

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Insulation (Cork)

Armstrong Cork Co., Pittsburg, Pa.
Nonpariel Cork Works, 50 Church, New York
Union Fibre Co. ("Peerless," Cork, Impregnated Cork, Fire-Proof Cork), Winona, Minn.
United Cork Co., 261 Lorimer, Brooklyn, N. Y.

Insulator Pins & Brackets

Absher, W. M. Co. (Wood), North Wilkesboro, N. C.
Ajax Line Material Co. (Steel), 12 S Jefferson, Chicago, Ill.
Barden Elec. & Machinery Co., Houston, Tex.
Benecia Iron Works (Steel), Benecia, Cal.
Bissell, F. Co., Toledo, O.
Blue Ridge Locust Pin Co., Dillsboro, N. C.
Brady, T. H. (Steel), New Britain, Conn.
Call, Clarence (Wood), North Wilkesboro, N. C.
Central Mfg. Co. (Wood), Chattanooga, Tenn.
Central Telephone & Elec. Co. ("Bois d'Arc"), St. Louis, Mo.
Cohn & Bock (Wood), Princess Ann, Md.
Creaghead Engineering Co. ("Creaghead," Malleable Iron), Cincinnati, O.
DIAMOND EXPANSION BOLT CO. (Wood Insulator Pins), 90 West, New York. (See adv. index & branch offices, end of book)
Electrical Construction Supply Co. ("Chubbuck"), Springfield, O.
Electrose Mfg. Co. ("Electrose," Insulator Pins, etc.), 127 N 10th, Brooklyn, N. Y.
Elkin Machinery Co. (Wood), Elkin, N. C.
Endsley, J. W. (Wood), Somerfield, Pa.
Fletcher Mfg. Co., Dayton, O.
Galloway, J. B. Co. (Wood), Clarendon, Ark.
Garton, W. R. Co. ("Hivol," "Mabir"), 118 W Jackson boul, Chicago, Ill.
Gravely, B. F. & R. P. (Locust Pins, etc.), Martinsville, Va.
Hallett Iron Works (Steel), 98 W Polk, Chicago, Ill.
Hardwood Planing Mill Co. ("Gillespie"), San Jose, Cal.
Harvard Electric Co., 66 W Van Buren, Chicago, Ill.
Hubbard & Co. (Steel), Pittsburg, Pa.
K. & B. Co. (Inc.), 8th & Chestnut, Phila., Pa.
Lang, M. & Sons, 29th & Carson, Pittsburg, Pa.
Lima Insulator Co. (Porcelain), Lima, N. Y.
Lock Insulator Mfg. Co. (Iron), Victor, N. Y.
Main Hub & Mfg. Co. (Wood), West Sebocis, Me.
Marcus, Harris (Wood), Muscoda, Wis.
Metal Finishing Co. ("Beardsley"), Union City, Conn.
Morris, Elmer P. Co. (Iron), 90 West, New York
National Electrical Supply Co., Washington, D. C.
Noblett, E. J. Co. (Wood), West Pullman, Chicago, Ill.
Oliver Iron & Steel Co. (Steel), Pittsburg, Pa.
Osborne, M. P. & Son, Camden, N. Y.
Oshkosh Logging Tool Co. ("Kalkeen" Iron), Oshkosh, Wis.
Pettingell, Andrews Co., Boston, Mass.
Phila. Electrical & Mfg. Co., Phila., Pa.
Pierce Specialty Co. (Iron), Elkhart, Ind.
Selling Co., Baltimore, Md.
Texas Arm & Pin Co. (Wood), Beaumont, Tex.
Towers Pin & Bracket Co. (Wood), Ellijay, Ga.
Trammell Co., Gallatin, Tenn.

Insulator Supports

Steel City Electric Co. ("Universal" for Steel Work), Pittsburg, Pa.

Insulators (Arc Lamp)

(Insulators or Hangers)

Ajax Line Material Co. ("Volta"), 12 S Jefferson, Chicago, Ill.
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Cutter, Geo. Co. ("Cutter's," Grove), South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co., 100 William, New York
Macallen Co., Boston, Mass.
JOHNS-PRATT CO., THE (Stud & Straight Hanger), Hartford, Conn.
Morris, Elmer J. Co., 72 Trinity pl, New York
National Sewing Machine Co., ("Belvidere," "Mayo"), Belvidere, Ill.
Ohio Brass Co., Mansfield, O.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Insulators (Canopy)

Dale Co., 9th av & 13th, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Mica Insulator Co. ("Young"), 68 Church, New York
Macallen Co. ("W. T. C."), Boston, Mass.
Mitchell, Vance Co., 507 W 24th, New York

Insulators (Fibre)

(See Insulating, Fibre; also Fibre, Hard)

Insulators (Glass)

Brookfield Glass Co. ("Brown," "Crown," "Columbia," "Safety," "O'Brien," "Combination," "Mershon," "Edison," "Jumbo"), 2 Rector, New York
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Cutter, Scott C. (Tree), Oswego, Ill.
Duquesne Glass Co., Pittsburg, Pa.
Hemingray Glass Co. ("Muncie Type," "Triple Petticoat," "Prove Type"), Covington, Ky.
Knowles, C. S. Boston, Mass.
Locke Insulator Mfg. Co. ("Triple Petticoat"), Victor, N. Y.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Glass Mfg. Co., Denver, Colo.

Insulators (Mine Feeder Wire)

Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

*Insulators (Moulded Mica)

JOHNS-PRATT CO., THE. Hartford, Conn.

Insulators (Paper, for Cables)

(See Sleeves, Paper)

Insulators (Porcelain or Clay)

Adamant Porcelain Co. (Ltd.), Broadway, Va.
Akron Hi-Potential Porcelain Co. (High Voltage), Barberton, O.
Akron Smoking Pipe Co. (Clay & Porcelain Tubes), Mogadore, O.
American Carbon & Battery Co., East St. Louis, Ill.
Anderson Porcelain Co., East Liverpool, O.
Benlow Co., Cincinnati, O.
Bossert Electric Cons. Co. (Conduit Outlet), Utica, N. Y., & 39 Cortlandt, New York
Brunt, G. F., Porcelain Co., East Liverpool, O.
Colonial Sign & Insulator Co. ("Poke" Telephone), Akron, O.
Cook Pottery Co. (Porcelain), Trenton, N. J.
Diamond Porcelain Co., Trenton, N. Y.
Electric Porcelain Co., East Liverpool, O.
Electric Porcelain & Mfg. Co. (Of All Kinds), Trenton, N. J.
GENERAL ELECTRIC CO. (Porcelain, Wall, Floor, Pole, etc.), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Green Insulation Co., Cleveland, O.
Hartford Faience Co. (Porcelain), Hartford, Conn.
Imperial Porcelain Works (Porcelain, Transmission), Trenton, N. J.
Knowles, C. S. (Porcelain), Boston, Mass.
Lima Insulator Co. (Porcelain), Lima, N. Y.
Locke Insulator Mfg. Co. (High Voltage, Porcelain & China), Victor, N. Y.
National Porcelain Co., Trenton, N. J.
New Lexington High Voltage Porcelain Co., New Lexington, O.
Novelty Burner Co. (Alva Electrical), Chattanooga, Tenn.
Ohio Brass Co. (Tree), Mansfield, O.
Pass & Seymour, Solvay, N. Y.
Peru Electric Mfg. Co. (Porcelain), Peru, Ind.
Pittsburg High Voltage Insulator Co. (Porcelain High Screw Voltage), Derry, Pa.
Snyder-Hunt Co., Belle Plains, Iowa.
Standard China Works ("Security," "Victor Split"), Trenton, N. J.
Standard Vitrified Conduit Co. (Clay Vitrified Salt Glazed), 39 Cortlandt, New York
Star Porcelain Co., Trenton, N. J.
Thomas, R. & Sons Co. ("Boch"), Lisbon, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Works, Trenton, N. J.
Union Porcelain Works (Porcelain), 300 Eckford, Brooklyn, N. Y.
United States Elec. Porcelain Co., Findlay, O.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wirt Mfg. Co., Burrage, Mass.

Insulators (Strain)

(See also Trolley Line Materials)

Aurora Specialty Mfg. Co., Aurora, Ill.
Creaghead Engineering Co. ("Bourbon"), 340 Main, Cincinnati, O.
Electrose Mfg. Co. ("Electrose," "Safety" & "Disc"), 127 N 10th, Brooklyn, N. Y.
General Insulate & Machine Co., 1008 Atlantic av, Brooklyn, N. Y.
Johns, H. W.-Manville Co. ("J.-M."), 100 William, New York
JOHNS-PRATT CO., THE, Hartford, Conn.
Locke Insulator Mfg. Co. ("Victor"), Victor, N. Y.
Macallen Co., Boston, Mass.
Mathias-Hart Co., Baston, Mass.
Morris, Elmer P. Co., 90 West, New York
Ohio Brass Co. ("Ohio Brass," Wood Break), Mansfield, O.
Pass & Seymour, Solvay, N. Y.
Phila. Electrical & Mfg. Co. ("Pemco," Wood), 1232 N 31st, Phila., Pa.
Western Electric Co. ("Safety"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Insulators (Swinging)

Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Insulators (Third Rail)

(See also Trolley Line Materials)

Akron Smoking Pipe Co., Mogadore, O.
AMERICAN VULCANIZED FIBRE CO. (Fibre), Wilmington, Del. (See adv. index, end of book)
Anderson, Albert & J. M. Mfg. Co. ("Aetna"), Boston, Mass.
Aurora Specialty Mfg. Co. ("Eureka"), Aurora, Ill.
Colonial Sign & Insulator Co. (Clear & Semi-Porcelain), Akron, O.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works, Marshalltown Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO, (Hard Fibre), Elsmere, Del. (See adv. index, end of book)
Electrose Mfg. Co. ("Electrose"), 127 N 10th, Brooklyn, N. Y.
Essex Co., Newark, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co. ("Lawrencourt," "Fibrotta"), 100 William, New York
Ohio Brass Co. (Semi-Porcelain), Mansfield, O.
Standard Vitrified Conduit Co. ("Manhattan"), 39 Cortlandt, New York
Thomas, R. & Sons Co. (Porcelain), Lisbon, O.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WILMINGTON FIBRE SPECIALTY Co. ("Fyberoid"), Wilmington, Del. (See adv. index, end of book)

Insulators (Tree)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.
Anderson, Albert & J. M. Mfg. Co., 289A, S. B., Boston, Mass.
Brodie Electric Co., Manchester, N. H.
Brookfield Glass Co., 2 Rector, New York
Cutter, Geo. Co., South Bend, Ind.
Cutter, Scott Co. (Glass), Oswego, Ill.
Dunton & Field, Cambridge, Mass.
Fletcher Mfg. Co., Dayton, O.
High Tension Electrical Specialty Co. ("Holmes"), Newton, Mass.
Johns, H. W.-Manville Co., 100 William, New York
Ohio Brass Co., Mansfield, O.
Western Electric Co., 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York

Insulators (Wall)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
General Insulate & Machine Co., 1008 Atlantic av, Brooklyn, N. Y.
Ohio Brass Co., Mansfield, O.

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Insurance (Accident)

Aetna Life Insurance Co., Hartford, Conn.
American Fidelity Co., Montpelier, Vt.
Casualty Co. of America, 52 William, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England. Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass
Fidelity & Casualty Co., 97 Cedar, New York
Frankfort Marine Accident & Plate Glass Insurance Co., 100 William, New York
Gen. Accident Ins. Co., Philadelphia, Pa.
Great Eastern Casualty & Indemnity Co., 290 B'way, New York
London Guarantee & Accident Co., Chicago, Ill
Maryland Casualty Co., Maryland Casualty bldg, Baltimore, Md., & 100 William, New York
New Amsterdam Casualty Co., 74 William, New York
North American Accident Insurance Co., Rookery, Chicago, Ill
Ocean Accident & Guarantee Corp., 350 B'way, New York
Pacific Mutual Life Ins. Co., 508 Montgomery San Francisco, Cal
Pennsylvania Casualty Co., Scranton, Pa.
Philadelphia Casualty Co., Philadelphia, Pa.
Preferred Accident Ins. Co., 290 B'way, New York
Standard Life & Accident Ins. Co., Detroit, Mich
TRAVELERS INSURANCE CO., Hartford, Conn., & 31 Nassau, New York
U. S. Casualty Co., 141 B'way, New York
U. S. Health & Accident Insurance Co., Saginaw, Mich

Insurance (Employers' Liability)

Aetna Life Insurance Co., Hartford, Conn.
American Fidelity Co., Montpelier, Vt.
Casualty Co. of America, 52 William, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass
Fidelity & Casualty Co., 97 Cedar, New York
Frankfort Marine, Accident & Plate Glass Insurance Co., 153 LaSalle, Chicago, Ill
Gen. Accident Ins. Co., Philadelphia, Pa.
London Guarantee & Accident Co., of London England; 315 Dearborn, Chicago, Ill., & 43 Cedar, New York
Maryland Casualty Co., Maryland Casualty bldg, Baltimore, Md., & 100 William, New York
New Amsterdam Casualty Co., 76 William, New York
Ocean Accident & Guarantee Corp., 350 B'way New York
Standard Life & Accident Ins. Co., Moffat bldg, Detroit, Mich., & 92 William, New York
TRAVELERS INSURANCE CO., Hartford, Conn., & 31 Nassau, New York
United States Casualty Co., 141 B'way, New York

Insurance (Health)

(See Insurance, Accident)

Insurance (Indemnity Bond)

Aetna Indemnity Co., Hartford, Conn.
American Bonding Co. of Baltimore, Baltimore, Md.
American Fidelity Co., Montpelier, Vt.
American Surety Co., 100 B'way, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass
Fidelity & Casualty Co., 97 Cedar, New York
Fidelity & Deposit Co., Baltimore, Md.
Guarantee Co. of North America, 111 B'way New York
Lawyers' Surety Co., 66 Liberty, New York
National Surety Co., 115 B'way, New York, & The Rookery, Chicago, Ill
Ocean Accident & Guarantee Corp., 350 B'way New York
Pacific Surety Company, San Francisco, Cal
U. S. Fidelity & Guaranty Co., Baltimore, Md
U. S. Guarantee Co., 111 B'way, New York

Insurance & Inspection (Elevator)

(See Insurance, Indemnity Bond)

Insurance & Inspection (Steam Boiler)

Casualty Co. of America, 52 William, New York
Employees' Indemnity Co. of Philadelphia, Stephen Girard bldg Philadelphia, Pa.
Fidelity & Casualty Co., 97 Cedar, New York
Hartford Steam Boiler Inspection & Insurance Co., Hartford, Conn.
Maryland Casualty Co., Maryland Casualty bldg, Baltimore, Md. & 100 William, New York
Ocean Accident & Guarantee Corp., 350 B'way, New York
Pacific Surety Co., San Francisco, Cal.
Pennsylvania Casualty Co., Scranton, Pa.
Philadelphia Casualty Co., Phila., Pa.
TRAVELERS INDEMNITY CO., Hartford, Conn.; 1 Madison av. & 31 Nassau, New York. (See adv. index, end of book)
U. S. Casualty Co., 141 B'way, New York

Intensifiers

Bethlehem Steel Co., South Bethlehem, Pa.
Philadelphia Roll & Machine Co. (Hydraulic), 23d & Washington, Phila., Pa.
United Engineering & Foundry Co. (Air, Hydraulic & Steam, Compound or Double), Pittsburg, Pa.
Wood, R. D. & Co. (Hydraulic, Single & Multiple), 400 Chestnut, Phila., Pa.

*Intercoolers (Air)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

*Interior Building Trim (Steel, Bronze, Etc.)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index, end of book)

*Interior Finish ("Beaver" Board)

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)

BEAVER BOARD
The Modern Wall & Ceiling Material
Takes Place of Both Lath and Plaster

Interior Finish (Metal Covered)

(See Bank & Office Fixtures, Metallic)

*Interior Finish (Metal Covered "Thorp-Richardson's")

THORP FIRE PROOF DOOR CO., 1600-1610 Central av, Minneapolis, Minn (See adv. index & branch offices, end of book)

Interior Finish (Wholesale Mfrs.)

(See also Interior Hardwood Work Manufacturers & Erectors)

Calmar Mfg. Co., Calmar, Ia.
Chicago Mill Work Supply Co., Chicago, Ill.
Compound Door Co., St. Joseph, Mich.
Cream City Sash & Door Co., Milwaukee, Wis.
Curtis & Yale Co., Wausau, Wis.
Cypress Lumber Co. (Wholesale Mfrs.), 88 Broad, Boston, Mass., & Apalachicola, Fla.
Disbrow, M. A. & Co., Lyons, Ia.
Fitzgerald, Speer Co., Pen Argyle, Pa.
Foster-Munger Co., 20th & S Sangamon, Chicago, Ill.
Fuller & Rice Lumber & Mfg. Co., Grand Rapids, Mich.
Gauger, J. A. & Co., W 22d & Lafin, Chicago, Ill.
Gilmour, David, Mfg. Co., 370 Townsend, Buffalo, N. Y
Gould Mfg. Co., Oshkosh, Wis.
Hafner Mfg. Co., Main & Dock, St. Louis, Mo.
Hilgen Mfg. Co., Cedarburg, Wis.
Huttig Mfg. Co., Muscatine, Ia.
Hyde-Murphy Co., Ridgway, Pa.
Kalamazoo Interior Finish Co., Kalamazoo, Mich.
Kertscher & Co., Elmira, N. Y., & 13 Lawrence, New York
Laird-Norton Co., Winona, Minn.
Luick Bros. Co., Ann Arbor, Mich.
McClelland, T. W. Co., Davenport, Ia.
McMillen, R. Co., Oshkosh, Wis.
Menasha Mfg. Co., Menasha, Wis.
Morgan Co. Oshkosh, Wis.
Nauman Co., Waterloo, Iowa
Nesbit, D. M. Co, Lewisburg, Pa.
North Vernon Lumber Co., North Vernon, Ind.
Orcutt & Porter Co., Mechanicsburg, N. Y.
Paine Lumber Co., Oshkosh, Wis., & 1 Madison av, New York
Radford Sash & Door Co., 190 W 22d, Chicago, Ill.
Redwood Mfg. Co. (Redwood & Oregon Pine, etc.), Oakland, Cal.
Rhinesmith & Simonson, Fort Wayne, Ind.
Riggs Cypress Co. (Cypress), Patterson, La.
Roach & Musser Mfg. Co., Kansas City, Mo
Roach & Musser Sash & Door Co., Muscatine, Iowa
Roberts, E. L. & Co., W 22d & Union pl, Chicago, Ill.
Roberts, U. N. Co., Davenport, Ia.
Rock Island Sash & Door Works, Rock Island, Ill.
Rockwell Mfg. Co., Milwaukee, Wis.
Roehr, C. Co., Bucyrus, O.
St. Louis Sash & Door Works, Dock & Main, St Louis, Mo.
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
STEARNS, A. T. LUMBER CO. (Cypress), Neponset, Boston, Mass. (See adv. index, end of book)
Stuhlmiller Mantel Works, Buffalo, N. Y.
Veit Mfg. Co., Grand Rapids, Mich
Wabash Cabinet Co., Wabash, Ind.
Waccamaw Lumber Co., Bolton, N. C.
Washburn, Williams & Co., Scranton, Pa.
Whatcom Falls Mill Co. (Red Cedar), New Whatcom, Wash.
Werheim Mfg. Co., Wausaw, Wis.
Wheeler, Osgood Co. (Cedar), Tacoma, Wash.
Willer Mfg. Co., 313 Cedar, Milwaukee, Wis.
Winona Lumber Co., Winona, Minn.

Interior Hardwood Work (Mfrs. & Erectors)

American Car & Foundry Co. (Jackson & Sharp Plant), Wilmington, Del.
Batavia & New York Wood-Working Co., Batavia, N. Y.
Baulia, Garrell Co., Lakeport, N. H.
Baumgarten, Wm. & Co., 323 5th av, New York
Bishop, J. W. Co., 109 Foster, Worcester, Mass.
Bohn Mfg. Co., 415 Rosabel, St. Paul, Minn.
Bossert, Louis & Son, Grand & Newtown Creek, Brooklyn, N. Y.
Bush Bros., Rogersford, Pa.
Calmar Mfg. Co., Calmar, Ia.
Carr-Ryder & Adams Co., Dubuque, Ia.
Chicago Mill Work Supply Co., Chicago, Ill.
Curtis & Yale Co., Wausaw, Wis.
Edmunds Mfg. Co., c S Robey & Washburne av, Chicago, Ill.
Flint, Geo. C. Co., 45 W 23d, New York
Freiling Mfg. Co., 45 Centre, Cleveland, O.
Goodlander, G. W., Kansas City, Mo.
Hale & Kilburn Mfg. Co., Phila., Pa.
Handa's, W. H. Sons, 2638 Park av, New York
Harlan & Hollingsworth Co., Wilmington, Del.
Hayden Co., 520 5th av, New York
Hedden, V. J. & Sons Co, Newark, N. J.
Heitland, J. H., 100 N Front, Quincy, Ill.
Herts Bros. Co., 34 W 38th, New York
Hess, D. S. & Co., 421 5th av, New York
Hoffstatter, Theo. & Co., 580 5th av, New York
Huttig Mfg. Co (Wholesale Mfrs.), Muscatine, Ia.
Hyde-Murphy Co., Ridgway, Pa.
INTERIOR HARDWOOD CO., Indianapolis, Ind. (See adv. index, end of book)
Jobst, B. J., Paxton blk, Omaha, Neb.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kertscher & Co., Elmira, N. Y., & 13 Lawrence, New York
Kilian Bros. & Somma, 12th av & 30th, N. Y.
Kimbel, A. & Sons, 389 5th av, New York
Kleeman, Wm & Co., 619 W 54th, New York
McConnell Mfg. Co., Hornell, N. Y., & 100 5th av, New York
McGonigle, James A., Leavenworth, Kan.
McLeod, Angus Co., 400 6th av, S. Minneapolis, Minn.
Mason & Co., Burlington, Vt.
Matthews Bros. Mfg. Co., Milwaukee, Wis.
Miller, William & Sons Co., Rochester, Pa., & Frick bldg, Pittsburg, Pa.
Mitchell, Robert Furniture Co., Cincinnati, O.
Moore, S. C. & Son, Kokomo, Ind.
Northwestern Marble & Tile Co., Minneapolis, Minn.

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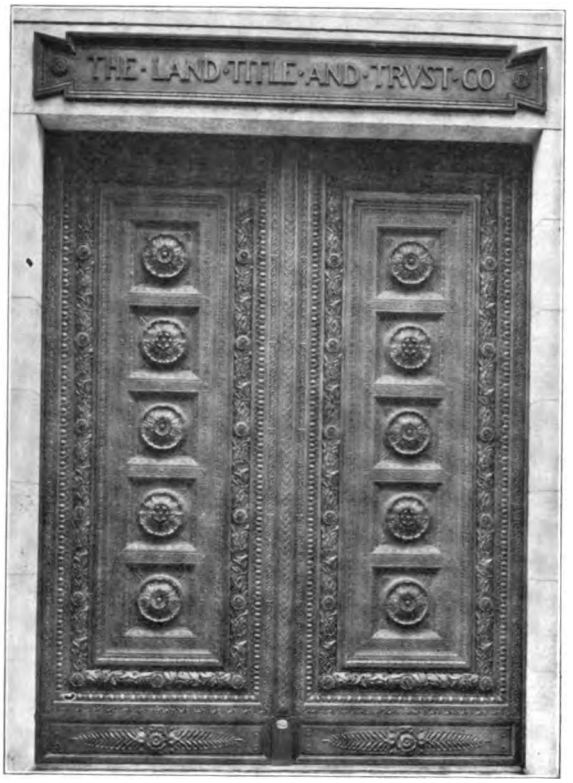
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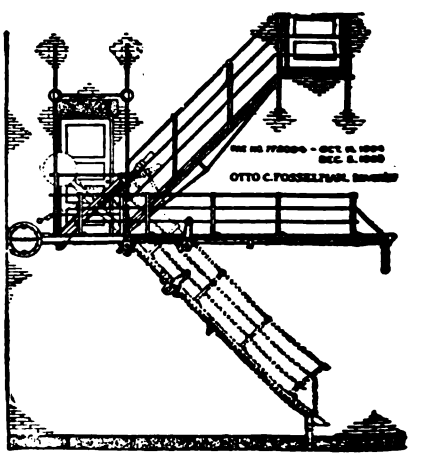
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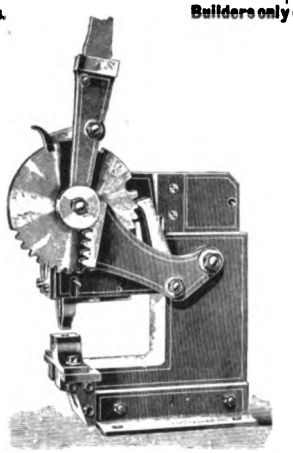


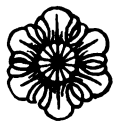
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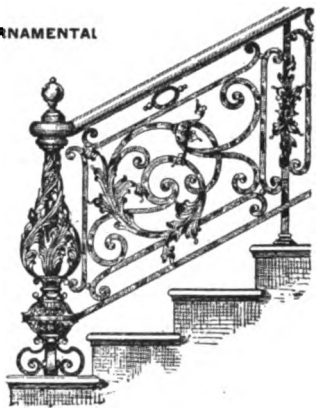
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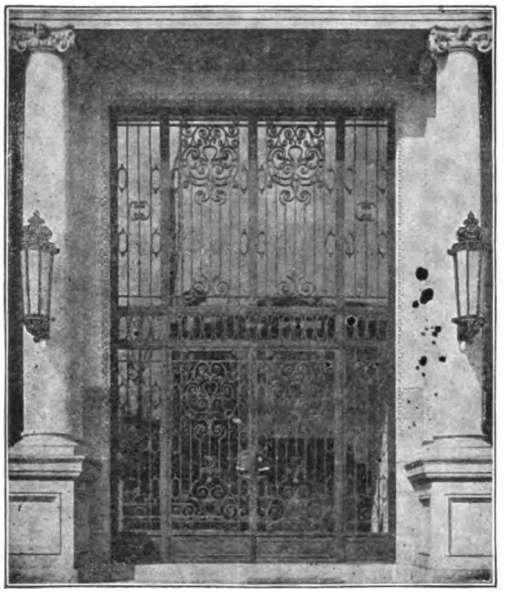




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Richey, Browne & Donald, 120 Milk
Robbins, A. B. Iron Co., 101 Devonshire
Simpson, Eugene A., 10 Milk

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IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

S. E. HENDRICKS CO.,
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NEW YORK, N. Y.

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Smith Iron Co. (The), 215 5th, Chelsea
*Smith, G. W. & F. Iron Co., 166 Devonshire
*Smith & Lovett Co., 125 Albany
Snow, Wm. A. Iron Works (Inc.), 19 Portland
Whyte, Oliver & Co., 17 Cornhill
Young, A. F. R., 408 Atlantic av

CLINTON—Clinton Foundry Co.
EAST EVERETT—New England Structural Co.
FAIRHAVEN—Fairhaven Iron Foundry Co.
FITCHBURG—Goodnow, L. H. Foundry Co.
LOWELL—Knapp, Arthur P.
Nichols Foundry Co.
LYNN—*Hayes Foundry Co.
MIDDLEBORO—Le Baron Foundry Co.
NORTH ADAMS—*Hunter, Jas. Machine Co.
PITTSFIELD—Jones, E. D. & Son Co.
SPRINGFIELD — BIGELOW, CHENEY Wire Works. (See adv. index, end of book)
Elwell, H. F. Iron Works, 26 Taylor
Mill River Machine Shop
*Springfield Foundry Co., 95 Liberty
Springfield Iron Works, 106 Taylor
Swaine, John
WORCESTER—Bishop, J. W. Co., 109 Foster
Eastern Bridge & Structural Co.
French, Richard Iron Works, 84 Union
NATIONAL MFG. CO., 10 Union. (See adv. index, end of book)
WRIGHT WIRE CO. (See adv. index, end of book)

MICHIGAN.

BAY CITY — MacKINNON BOILER & Machine Co. (See adv. index, end of book)
DETROIT—Acme Fancy Wire Works, Canfield & Moran
*Amos, Charles & Co., 9-13 Orchard
Art Brass & Wire Works, Forest av, E & Ellery
Barnes Wire Fence Co., 777 Grand River av
Barnum, E. T. Wire & Iron Works, 82 Washington av
BOLLES, J. E. IRON & WIRE Works. (See adv. index, end of book)
Chapper, Frank A. Iron & Wire Works, 195 W Larned
*De Croupet Iron Works, 127 Brush
Detroit Wire & Iron Works, 27 Jefferson av
Fisher, Wm. P. Screen & Wire Works, 780 Kercheval av
Hielscher, Wm. E., 38-40 B'way
Inglis, Wm. Wire & Iron Works, 59 E
Kahl, Fred'k, 537 Atwater, E Woodbridge
Lewis, Henry B., 45 Jos. Campau av
Ornamental Iron & Wire Works, 90 Wood-bridge
Phoenix Wire Works
*Robins, Albert & Co., 193 Cass av
*RUSSELL WHEEL & FOUNDRY Co. (Cast Iron Columns Only). (See adv. index, end of book)
Seiferlein, John C., 316 St. Paul av
VULCAN CO. (See adv. index, end of book)
Western Wire & Iron Works, 384 Ash
Whitehead & Kales (The), Iron Works, Beecher av M. C. R. R.
Whitterkin, Jos. Wire & Iron Works, 280 18th
GRAND RAPIDS—Butterworth & Lowe, ft of Huron
*Grand Rapids Foundry Co., 227-47 Kent
Grand Rapids Ornamental Iron & Wire Works
Leitelt, Adolph Iron Works, 5 Erie
Michigan Iron & Metal Co., 6-40 Alabama
Rice, C. O.
KALAMAZOO—Clarage, Thos. & Son
*Kalamazoo Foundry & Machine Co.
MUSKEGON—Rodgers Iron Mfg. Co.
PETOSKEY—*Burnett Foundry & Machine Works (Ltd.)
SAGINAW—Bartlett, A. F. & CO., 930 S Tilden
*Jackson & Church Co. den, E S
Koehler Bros.
Mitts & Merrill, 1009 S Tilden, E S
*Wickes Bros., 512 N Tilden, E S
TRAVERSE CITY—Round & Son
WEST BAY CITY—Excelsior Foundry Co.

MINNESOTA.

ALBERT LEA—Veness, J. W.
DULUTH—National Iron Co.
LITTLE FALLS—Denis, John
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—*Crown Iron Works Co.
*Crown Iron Works Co., 1301 Tyler
Diamond Iron Works, 2d, E, & 18th av N
*FLOUR CITY ORNAMENTAL Iron Works, 27th st & 28th av. (See adv. index, end of book)
Kienzle-Merrick Mfg. Co., 1214 S 3d
Menzel & Jeffery, 315 9th av, S
Minneapolis Ornamental Iron Works, 491 12th av, S W
*MINNEAPOLIS STEEL & Machinery Co. (Cast, Structural & Ornamental). (See adv. index, end of book)
*Northwestern Foundry, 312 10th av, S
*Standard Foundry & Machine Shop, 1032 3d av, N E
Union Iron Works, Main c 2d av, S E
*WINSLOW BROS. COMPANY, Andrus bldg. (See adv. index, end of book)
NEW PRAGUE—New Prague Foundry Co.
ST. CLOUD—St. Cloud Iron Works
ST. PAUL—Herzog Iron Works, 1044 E 7th
Lee & Huff Mfg. Co., 65 E Water
Reliance Iron & Wire Works
Perkins Mfg. Co., 1821 University av
Roberts-Gosa Co., 4th c Pine
Robertson, J. G.
Scribner, Libbey Co., 219 W 5th
*ST. PAUL FOUNDRY CO. (Cast Structural & Ornamental), Como av & Mackubin. (See adv. index, end of book)
*South Park Foundry & Machine Co., Gil-
Staples & Staples, 505 Decatur Gillan blk
Twin City Iron & Wire Works, 106 E 5th
Valley Iron Works, 81 E Water, W. St. Paul Levee, E
Western Machine Mfg. Co.
WINONA—*Phenix Iron Works
Tarras, L. C.



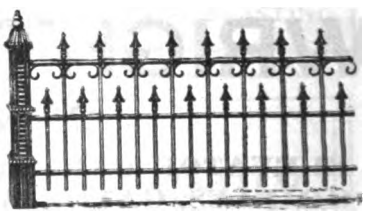
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Iron and Wire Works

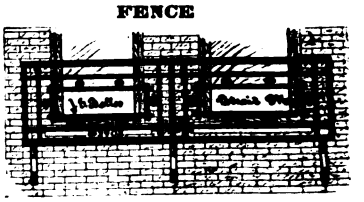
Fourth Ave., Cor. Porter St.,

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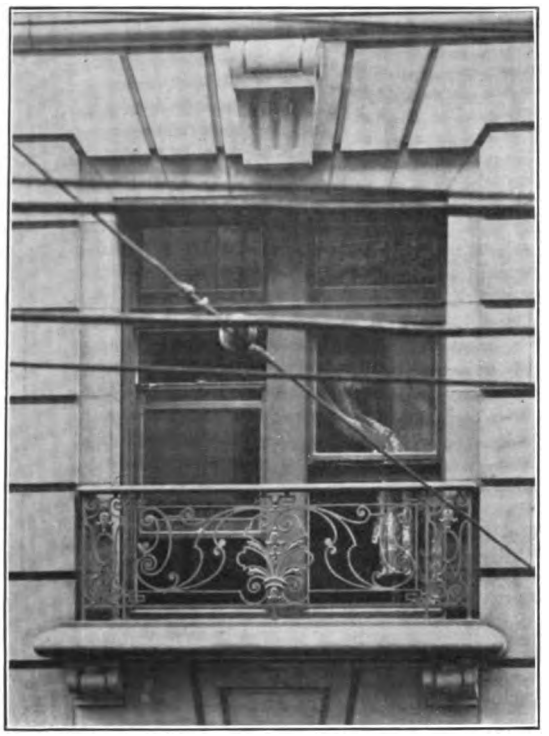
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GREENVILLE—Wall, Joseph Foundry & Machine Shop
JACKSON—*Mississippi Foundry & Machine Co.
NATCHEZ—Shaw, C. P.
VICKSBURG—Foley, P. J. & Son

MISSOURI.

BROOKFIELD—Mettler, L. M.
CAMERON—Dildine Bridge & Construction Co.
CARTHAGE—*Carthage Fdy & Machine Works
CHILLICOTHE—Way, Frank Foundry & Machine Co.
KANSAS CITY—Kansas City Structural Steel Co., 302 Postal Telegraph bldg
Kansas City Wire & Iron Works, 1430 Oak
Smith, James, 103 W 8th
Standard Shutter & Iron Works, 1935 Central
Standard Wire & Iron Works, 407 S West boul
ST. JOSEPH—*Berry Foundry & Mfg. Co., 5th c Walnut
Crowthers & Rogers Mfg. Co., 8th & Messanie
Garvey & Co., 600 S 7th
Jamieson Machine Co.
ST. LOUIS—*American Car & Foundry Co. (Castings Only)
American Fire Escape Co., 3941 Forest Pk. boul
Banner Iron Works, Shaw av & Oak Hill ry.
Central Wire & Iron Works, 813 S 7th
Century Iron Works, 11th & Walnut
*Christopher & Simpson Arch'l Iron & Foundry Co., 811 Park av
Flower City Ornamental Iron Works, 112 N 4th
Galt & Meysenburg, 922 Chemical bldg
Griffiths Iron Works Co., 811 N 10th
Guerdan, Francis & Son, 829 S 7th
International Steel Post Co., 717 Chestnut
*Koken Iron W'ks, 1012 Old Manchester rd
Lasar-Letzig Mfg. Co., 16th & O'Fallon
Ludlow-Saylor Wire Co., 600 S Newstead av
Mechanics' Iron Works, 903 S Ewing av
Mesker & Bro., 423 S 6th
Missouri Bridge & Iron Co., 122 N 7th
National Iron Works, 18th & Brady av
Ornamental Wire & Iron Co., University, c Ellicott av
Schurk Iron Works, 323 S 14th
St. Louis Architectural Iron Co., DeKalb & Lesperance
St. Louis Wire & Iron Co., 512 Choutea av
*South St. Louis Foundry, 7514 S B'way
Spuck Iron & Foundry Co., Branch & 14th
Stupp Bros., Bridge & Iron Co., Weber rd
*Union Iron & Foundry Co., 1468 S 2d
Usona Wire & Iron Co., 1909 Locust
Victor Iron Works, 2417 S 7th
*Western Foundry & Sash Weight Co. (Castings), 159 Miller
*WINSLOW BROS. COMPANY, Century bldg. (See adv. index, end of book)

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Montana Iron Works.
*Western Iron Works.
GREAT FALLS—Great Falls Iron Works
HELENA—Caird Engineering Works

NEBRASKA.

BEATRICE—Beatrice Iron Works
FREMONT—*Fremont Foundry & Machine Co.
LINCOLN—Hedges, C. E.
Smith, R. L., Machine Works.
OMAHA—Champion Iron & Wire Works
*Paxton & Vierling Iron Works, S 17th & U
Wearne Bros., 1409 Jackson
YORK—*York Foundry & Engine Works

NEW HAMPSHIRE.

CONCORD—*Concord Foundry & Machine

NEW JERSEY.

ATLANTIC CITY—Kemper, A. E.
Pettit, Frank
BAYONNE—Clark, W. M. Iron Foundry
CAMDEN—Brown & Getty
MERRITT & CO., 94 Arch. (See adv. index, end of book)
Olden, Herman
EAST ORANGE—Collinson, Joshua
ELIZABETH—Moore, S. I. & Sons Co.
HOBOKEN—Buchholtz, C. & Co., 78 Adams
*Fagan Iron Works, 309 Jefferson
JERSEY CITY—*Fagan Iron Works, 14th st.
Feudtner, Jacob & Co., 883 7th
Hamill, Alex., 426 Montgomery
Payne, John A., 260 Culver av
*SNEAD & CO. IRON WORKS, ft. of Pine, (See adv index, end of book)
MADISON—Force, Chas. & Son
NEWARK—American Coal Shute Co. & Architectural Iron Co. (Inc.), 14 Buffington av
Berlin Construction Co., 22 Clinton
Branch Brook Iron & Wire Works, 846 Orange
Burns, Thomas & Son, 201 Commerce
Calumet Iron Works, Newark, N. J.
Clements Iron Works, 29 Wright
Frank, John, 21 Prospect
Friedman, M. & Co., 96 Somerset
Goldberg, E., 147 Howard
Goeller Iron Works (Inc.), 394 Frelinghuysen av
Gottlieb, Henry, 75 Waverly av
*Hay Foundry & Iron Works, Plumb Point la
Heiden Iron Cons. Co., 22 Clinton
Industrial Wire & Metal Works, 8 Bloomfield av
Katchen, B., 84 18th av
Koller, E. L., 276 Sussex av
Lienau's, C. C. Sons Co., Newark, N. J.
*Metcalf, Jas. & Co. (Castings Only), 126 Polk
Smith's, Albert Sons, 73 N. J. R. R. av
Solbrig, Fred., 28 Bergen
Talkowsky & Gavrin, 35 Lewis
Universal Patents Mfg. Co., 104 N. J. R. R. av
NEW BRUNSWICK—*Empire Foundry Co.
ORANGE—Bulkley, H. W.
PATERSON—Bogert-Carlough Co.
*Eastwood, Benj. Co. (Builders' Castings Only)
Lendrim, H. C., 82 Clay
PLAINFIELD—Kirk, William T.
TRENTON—Baker, W. H., Mulberry st
*MacKenzie's, Duncan Sons Co.
WEST HOBOKEN—Courtman, Walter F.

NEW MEXICO.

ALBUQUERQUE — *Albuquerque Foundry & Machine Co.

NEW YORK.

ALBANY—Campbell, Harry E. Co.
Frey, Hy., 502 2d
Hartnett, John J. (Castings Only)
*McKinney, J. & Son
Page's, Isaiah Sons, 58 Liberty

NOTICE.

This book contains complete lists of the manufacturers and fabricators of every article made from iron and steel. For the particular specialty required, see Index of Contents. If any exception to the truth of this statement is found in consulting the columns of our Commercial Register, kindly advise and we will supply the deficiency.

S. E. HENDRICKS CO.,
74 LAFAYETTE STREET,
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AUBURN—Crane, W. W.
BINGHAMTON—Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Structural Steel Co., 106 Dart
Buffalo Wire Works Co., 310 Terrace
*Krust's, Charles F. Sons, 65 Lathrop
Feine, August, 152 Terrace
Harrower, H. C. Co., 35 Court
Jones Iron Works, 308 Terrace
*Kellogg Iron Works, Mutual Life bldg
*Standard Foundry Co., 48 Lakeview av
Washington Iron Works, 400 Pratt
Wurtz & Son (Structural Iron Contractors), 23 Lloyd
COHOES—Cohoes Iron Foundry & Machine Co.
JAMESTOWN—*Eagle Foundry & Machine Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)

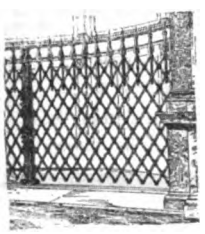
NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Ajax Iron & Wire Co., 75 York
Albee & Godfrey Co., 215 Norman av
Auer, John, Jr., 199 Middleton
Bartley, T. J. & Co., 75 Guernsey
Bassett, A. Iron & Wire Works, Wythe av
Berger Iron Works, 135 51st c Heyward
Binney & Godfrey, 40 Rodney
Bloom, Jacob, 225 Leonard
Brooklyn Architectural Iron Works, 97 22d
Borough Wire, Iron & Brass Works, 337 Adams
CHILD, W. C. W., 355 Kingsland av. (See adv. index, end of book)
Clarke & Stowe, 221 Greenpoint av
Dannemann, A. M., 126 Central av
Dugro, Philip & Son, 132 Ten Eyck
Duvinage, Pierre & Co., 408 Leonard
*Eagle Iron Works (Inc.), 850 DeKalb av
Eastern Iron Works, 1470 Myrtle av
Feigenbauers, E. Sons, 782 Wythe av
Fluegel, Anton, 210 Cook
Gordon, A. & Bro., 1046 Myrtle av
Gratz, George, Jr., 1141 DeKalb av
Green, B. G., 213 Pacific
Greenburg & Schlecker, 550 Stone av
Grosbach, Wm. & Co., 37 Maspeth av
Hafker, Bryan, 73 N Portland av
Hussler, Fred'k, 2 Sullivan
*Hecla Iron Works, 118 N 11th
Hoff, Herman J., 556 Hamilton av
Janssen, Bernard H. & Son, 135 Huron
Jones-Le Baron Prism Co., 143 Marion
Kennington Iron Works, 414 3d av
Klein & Reisler, 831 Rockaway av
Knight, John J., Midwood n Albany av
Lister & Fee, 33 S 5th
Lythgoe-Peter, 5010 2d av
McMahns, James W., 257 Navy
McMurray, Robert T. & Bro., 305 Harman
May, Jacob, 850 De Kalb av
Marcus, Harry, 233 Van Sinderen av
Meyer & Anselm, 173 Van Sinderen av
Mullon Bros., 315 S 3d
Nahan & Pinson, 50 Gerry
Olsen, O. N., 203 Diamond
Phillips, Abraham A. Jr., 2219 Pitkin av
Pirkl, John, Iron Works, 240 N 10th
Poppke & Son, 805 Lexington av
Powell, John R., 500 Leonard
Progressive Iron Works, 120 Atkins av
*Reliance Arch'l Iron Works, 253 Monitor
Ridgewood Iron Works, 100 Wyckoff av
Rothamel, Frederick & Son, 270 Knickerbocker av
Schwenn, Wm., 850 Lexington av
Shapiro & Terker, 1111 Flushing av
*Simpson Foundry Co. (of all kinds), 26 Sokoloff, Jacob, 217 Miller av Rodney
Standard Wire & Iron Works, 846 Grand
Steckenreiter, John F. Iron Works, Calyer & Jewell
Stein & Koslowsky, 11 Tompkins av
Strubel, Barbara, 100 Wyckoff av
Thiede, Ferdinand H., 78 Smith
Webb & Bloss, 251 Monitor
Whale Creek Iron Works, Calyer & Moultrie

Boroughs of Manhattan & Bronx.

NEW YORK—Ackerman, Martin, 150 Av D
Adelstine & Avrutine, 82 Rutgers
Adolff, August M., 2078 1st av
Ahr, Anton, 701 Elton av
Ahr, Henry, 444 E 148th
Alexander, W. J. & C. Co., 11 Thompson
*American Car & Foundry Co. (Castings Only), 165 B'way
American Ornamental Iron Works, 1494 2d av
ANCHOR POST IRON WORKS, 147 Nassau. (See adv. index, end of book)
Automatic Door & Gate Co., 123 Liberty
Bagge, Ernest Iron Works, Boul. & E 144th
Bankers' Safety Wicket Co., 231 B'way
Bartsch, Chas., 100 W 99th
Bayer, Charles Co., 408 E 125th
Becker, Hans, 318 E. 48th
Becker & Goldberg, 330 Rivington
Berlin Construction Co., St. Paul bldg
*Bethlehem Foundry & Machine Co. (Cast & Wrought, of South Bethlehem, Pa.), 149 B'way
Blackman, H. & J. Fagen, 73 Montgomery
Borkstrom, Oscar G., 225 E 148th
Bowes Jno. J., 227 W. 29th
Bronx Iron Works, 518 Wales av
*Brown-Ketcham Iron Works (of Indianapolis, Ind.), 1170 B'way
Burkhardt, John, 620 W 55th
Busse, Armand (Manhattan Iron Works), 302 E 98th



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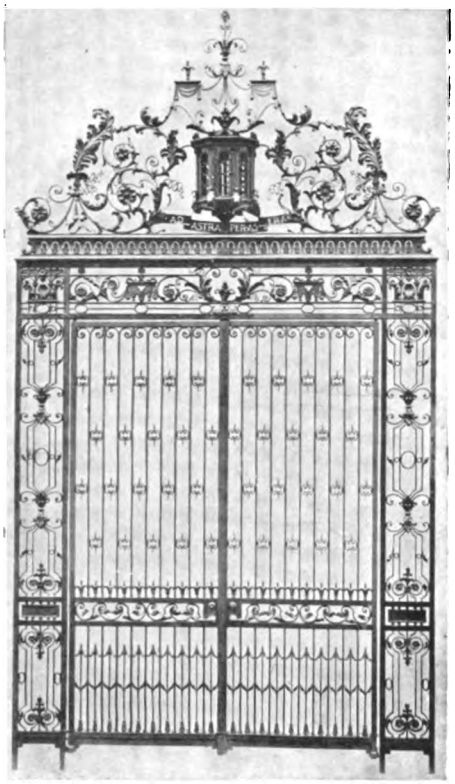
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William Welles Bosworth, Architect

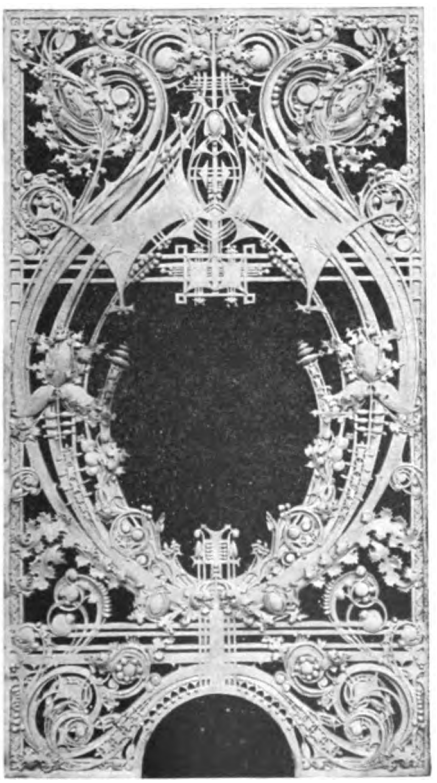
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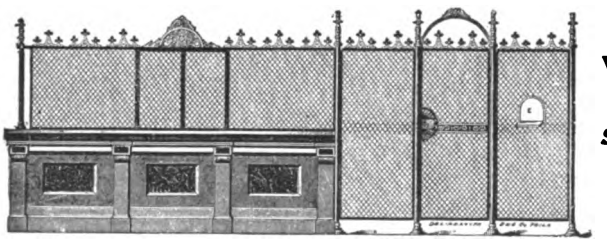
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PENNSYLVANIA WIRE WORKS

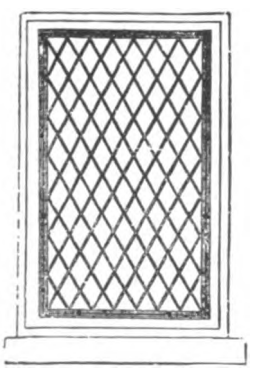
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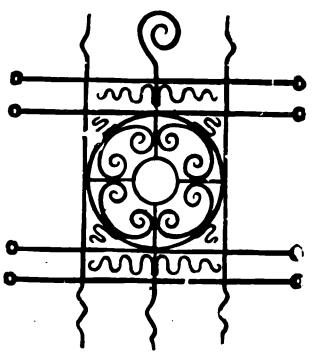
AREA RAILINGS AND GRATINGS
BRASS FOOTRAILS AND PANELS
IRON CHAIRS AND SETTEES



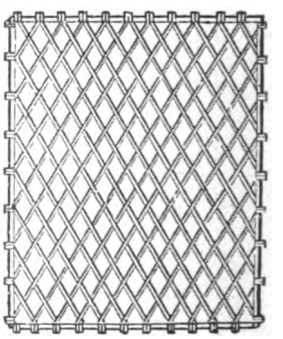
BANK AND OFFICE WICKETS, RAILINGS AND DESK GUARDS.
STABLE FIXTURES, HITCHING POSTS AND JAIL WORK



WIRE AND IRON WINDOW GUARDS, GRILLES, ETC.



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239 ARCH STREET, PHILADELPHIA, PA.

CATALOGUES MAILED ON APPLICATION

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Campbell, Harry E. Co., 1123 B'way
CARPENTER, F. E. CO., 253 B'way. (See adv. index, end of book)
Central Iron Works, 420 E 48th
CHILD, W. C. W., 1 Madison av. (See adv. index, end of book)
Clark, Jos., 349 W. 48th
Clark, Peter, 400 W 30th
Clausen, H. C. Iron Works, 508 E 74th
Cooper Iron Works (Jno. Cooper, Prop.), 1 Madison av
*Cornell, J. B. & J. M. Co., 26th & 11th av
Dahm, Henry, 517 W 45th
Deys Architectural Iron Works, 517 W 46th
Dimond, Thomas, 45 W 34th
Dudley, Jas. H., 628 Westchester av
Duke Iron Works, 320 E 05th
Duvinage, Pierre, 253 B'way
Eagle Iron Works, 403 E 117th
Eagle Wrought Iron Works, 580 Robbins av
East Side Iron Works, 1309 Av A
Eastern Iron Works, 218 Av A
Edelmann, L., 319 E 94th
Egan, Joseph, 301 W 08th
Elsner Bros., 054 E 12th
ESTEY BROS. CO. (Also Bronze & Wire Work), Liberty & Greenwich. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton. (See adv. index, end of book)
Fassler & Hirschel, 503 Grand
Fiske, J. W. Iron Works, 50 Park pl
Friedman, David, 300 5th
***G. & W. MFG. CO., 203 Cortlandt.** (See adv. index, end of book)
Gehrrich, Herman, 69 Rutgers Slip
Gersmann, Rud. 21 E 127th
Goemann & Sisti, 402 E 10th
Goldberg Barnet, 300 5th
Gordon, A. & Bro., 188 Monroe
Graf, Martin, 270 Avenue B
Grossman Bros. & Rosenbaum, Willow av & E 133d
Hafers, Chris Iron Works, 407 W 37th
Halbach, C. E. & Co. (Inc.), 27 E 21st
Hamauer, John, 430 E 71st
Happel, Adam, 1801 1st av
Harris Safety Co. (of Youngstown, O.), 30 E 20th
Hausser, Joseph, 2323 2d av
Hay Foundry & Iron Works, 114 E 28th
Heffner & Grill, 749 9th av
Hendrik, Hudson Iron & Steel Works, 515 W 50th
Hinkle Iron Co., 534 W 50th
Hoehn, Wm., 218 W 20th
HOWARD & MORSE (Ornamental for Interiors), 45 Fulton. (See adv. facing first page of Index of Contents)
Illch, Anson G., 1123 B'way
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq). (See adv. index, end of book)
Johnson, J. S. & Co., 68 Broad
Jordis, John J., 430 E 110th
Kaplan, Alter, 209 Clinton
Koehn, Alfred, 157 W 29th
Kushakaw, Jacob, 40 3d av
Lange & Co., 423 E 22d
Leveling & Garrigues Co., 552 W 23d
Levine & Posner, 527 E 119th
Liberty Iron Works, 462 10th av
Lieberman & Sanford Co., 629 W 57th
Lobel-Andrews Co., 531 W 55th
Luetkes Iron & Brass Works, 227 W 29th
*McDougall & Potter Co., 600 W 55th
Manhattan Iron Works, 302 E 98th
Marsh, Thos. J. Iron Works, 119 E 23d
Melrose Architectural Iron Works, 225 E 148th
Milliken Bros., 11 B'way
Mott, J. L. Iron Works, 118 5th av
Mugler's Iron Works Co., 1133 E 136th
*Murray Hill Iron Works Co., 212 E 57th
Neser, John E., 2 7th av
New York Ornamental Iron Works, 315 E 22d
Nuhn, C., 8 2d
Palmer, B., 231 W 50th
Parker-Bruen Mfg. Co., 1133 B'way
Pauly Jail Building Co. (of St. Louis, Mo.), 1 Madison av
Pearson, S. P. & Co., 325 E 97th
Pfeifer Bros., 473 G'wich
Pierson & Co., 29 B'way
Pinals, Louis, 97 Madison
PITT, WM. R. COMPOSITE IRON Works ("Pitt-Bostwick" Folding Gates & Guards), 136-138 W 24th. (See adv. index, end of book)
Prince Iron Works, 535 W 33d
*Radley, John J. & Co., 624 E 19th
Rahtz, Henry & Co., 20 E 138th
Realty Iron Works Co., 200 W 11th
Reisler & Kline, 819 E 9th
Reynolds, E. P., 400 E 91st
Richmond Safety Gate Co., 1 Madison av
Ring & Konneke, 525 W 24th
Rocker Bros., 330 W 20th
Ross, Goemann & Sisti, 400 E 10th
Rueth, Jos., 402 10th av
Ruhling, Fred'k, 319 E 22d
Sanders & Barnett, 447 S Boul
Savitzky & Golomb Co., 65 Park
Scherbner, Paul Iron Works, 306 E 123d
SCHREIBER, L. & SONS CO. (of Cincinnati, O.), 1133 B'way. (See adv. index, end of book)
Simons & Mayer, 143 Av D
Spence, Peter C., 422 E 62d
Stelnel, Bruno, 142 W 24th
Stolz, Joseph, 22 E 138th
Taylor, Jas., 223 Mercer
Thompson, Hervey, 170 E 119th
Tiffany Studios (High Grade Ornamental), 331 Madison av
Tuttle & Bailey Mfg. Co. (Cast), 83 Beekman
TYLER, W. S. CO. (of Cleveland, O.), 11 B'way. (See adv. index, end of book)
Uris, Harris, 525 W 26th
Veeser, Frank, 308 E 154th
Vreeland, G. A., 220 W. 36th
Vulcan Iron Works, 45 B'way
Wells Architectural Iron Co., 210-221 E 144th
Westervelt, A. B. & W. T., 102 Chambers
Westing, Theo. (Est. of), 449 W 41st
Williams, George A. & Sons, 85 Fulton
Williams, John (Inc.), 550 W 27th
Wills & Marvin, 1170 B'way
***WINSLOW BROS. COMPANY (of Chicago, Ill.), 163 Park av.** (See adv. index, end of book)
Zimmerman, L. J., 270 E 148th

Borough of Queens.

LONG ISLAND CITY—Hawkins Iron Works Just, Geo. A. Co., 239 Vernon av
Sandblom Iron Works, 205 Borden av
MASPETH—(New York City)—*Richey, Browne & Donald (Inc.)

(End of New York City)

ROCHESTER—*Heughes, F. L., 100 South av
Kohlmetz, Chas. E. & H. L., 178 N Water
SYRACUSE—Dunning, W. D., 329 W Water
*Smith & Caffrey, Props. (Phoenix-Porter Foundry), 1421 N Salina
TROY—*Mahony Mfg. Co., 5th av. cor Liberty
UTICA—Jones, Willis H., 70 Hotel
Steinbrecher, Geo., 183 Columbia
WATERTOWN—Wilson, J. C.
YONKERS—Morris, Thos.

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

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ASHEVILLE—*Asheville Supply & Foundry Co.
CHARLOTTE—*Mecklenberg Iron Works
GREENSBORO—Glascock, G. T. & Sons
Sergeant Mfg. Co.

NORTH DAKOTA.

FARGO—*Fargo Foundry Co.
Fargo Iron & Metal Co.

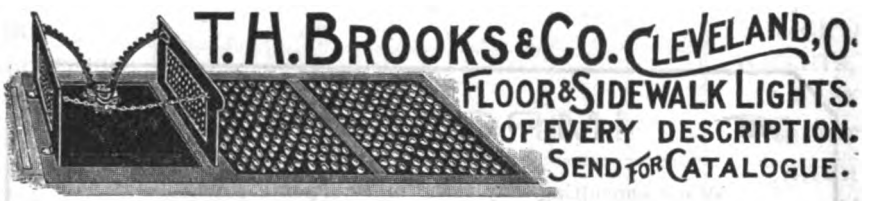
OHIO.

AKRON—Burger Iron Co.
Ornamental Iron Works Co.
*Taplin, Rice & Co.
ASHTABULA—Barber Mfg. Co.
BELLEFONTAINE—Bellefontaine Bridge & Steel Iron Co.
CANTON—*CANTON FOUNDRY & MAchine Co. (Castings, Columns, Sills, Base Plates, etc.) (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS Co. (See adv. index, end of book)
CINCINNATI — Cincinnati Iron Fence Co., 8300 Spring Grove av
CINCINNATI MFG. CO. (Ornamental), 1243 W 6th. (See adv. index, end of book)
Columbia Iron Works, 721 Reading rd
Davis & Siehl, 4032 Hamilton av
Echers, Geo. H. & Bro., 228 E 7th
Frelinger, J. H., 117 W 2d
Grimm, Ig. & Co., 153 E McMicken
Kaufman, Walter, Spring Grove av, Mon-Lang, Wm. & Sons Co., 1311 Clay mouth
Ley, H. & Co., Harrison av & B. & O. S. W. R. R.
Nimmo Fence & Wire Works Co., 803 E
Potthoff, W. F. Co., Front & Harriet 4th
Rowekamp Bros., 2620 Colerain av
Schoensberg, Fred., W 8th nr Evans
SCHRIEBER, L. & SONS CO., 8th & Eggleston av. (See adv. index, end of book)
Schumacher, Jno. H., 1446 Main
Standard Grille & Fence Co., 1010 Freeman av
Stewart Iron Fence Co., 17th & Madison av
*Union Iron Works Co., 3323 Colerain av
Ward, Wm. E. & Co., 1347 Central av
CLEVELAND—Anchor Fence & Mfg. Co.
*BROOKS, T. H. & CO. (See adv. index, end of book)
Central Wire & Iron Co., 522 Prospect, N W
*City Foundry Co. (Castings)
Cleveland Art Metal Co.
Cleveland Iron Works Co.
East End Iron & Wire Works
FOREST CITY STEEL & IRON Co., 110th nr Detroit av (See adv. index, end of book)
Kirchner's Iron Wire & Bronze Works, 1149 Norwood rd, N E
*Madison Foundry Co. (All kinds of Builders' Castings), 935 Addison rd, N E
National Iron & Wire Co., 3901 Hamilton av, N E
Republic Structural Iron Works Co., 1270 E 53d, N E
Sheer Bros. Fence & Iron Co. (The), 715 E 103d, N E
Stevens Iron Works & Fireproofing Co., 702 New England bldg
TYLER, W. S. CO. (See adv. index, end of book)
Union Wire & Iron Co., 224 High av, S E
*VAN DORN IRON WORKS CO., 2685 E 79th. (See adv. index, end of book)
*Variety Iron & Steel Works Co., E 40th c Hamilton
COLUMBUS—*Caldwell-Drake Iron W'ks (Inc.)
Columbus Structural Steel Co.
COLUMBUS WIRE & IRON WKS. Co. (See adv. index, end of book)
*Hayden, P. Saddlery Hardware Co.
Kanode, Henry D.
Krumm, Martin
*McDonald Bros. (Cast Iron), 108 Liberty
Morris, C. E. Co., Curtis & Jefferson avs
Nickel, J. A., 310 Dublin av
Ohio Elevator & Machine Co.
DAYTON—American Fence & Forge Co.
City Forge & Iron Works (Andrew Plocher, Prop.)
Lyon, C. H., 415 W. B. bldg
*Ohio Foundry Co. (Castings)
FINDLAY—McArthur Geo.
FREMONT—*Lehr Agricultural Co.
HAMILTON—MEYERS, FRED. J. MFG. Co. (See adv. index, end of book)
KENTON—*CHAMPION IRON CO. (See adv. index, end of book)
LIMA—East Iron & Machine Co.
MANSFIELD—Schnitzer, F. F. & Son
MARIETTA—*Pattin Bros. Co. (Castings, etc.)
MIDDLETOWN—Shartle Bros. Machine Co.
SANDUSKY—*Klotz Machine Co.
Mack Iron Works Co.
SPRINGFIELD—*Bayley, Wm. Co.
*Hennesey Foundry Co.
Peet & Shuster Co., 28 S Fountain av
TOLEDO—Art Wire & Iron Works, 2113 Canton
Braunschweiger Bros., 40 Erie
Donovan Wire & Iron Co.
HEARTLEY MACHINE, VARIETY Iron & Tool Works. (See adv. index, end of book)
*Toledo Foundry & Machine Co.
Toledo Wire & Iron Works
WILMINGTON—Champion Bridge Co.
YOUNGSTOWN—Youngstown Wire & Iron Co.
ZANESVILLE—Union Machine Works



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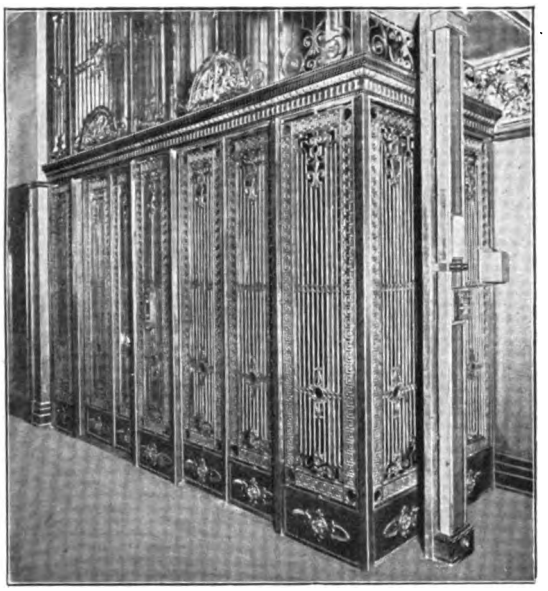


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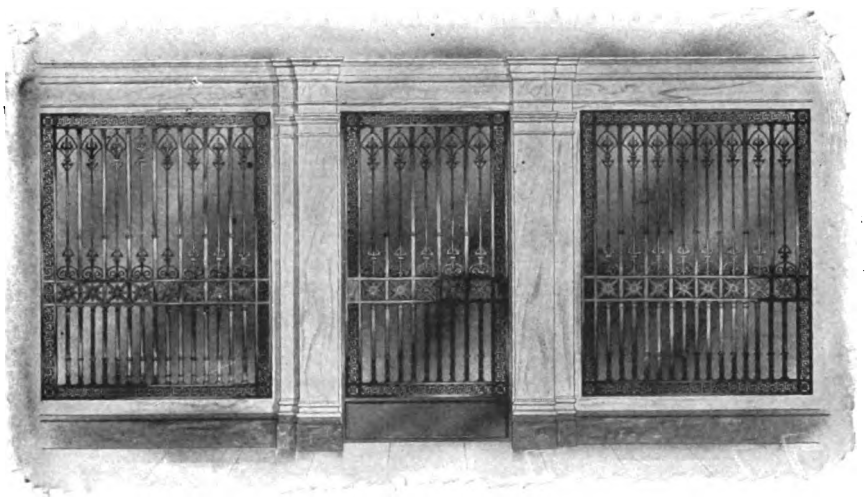
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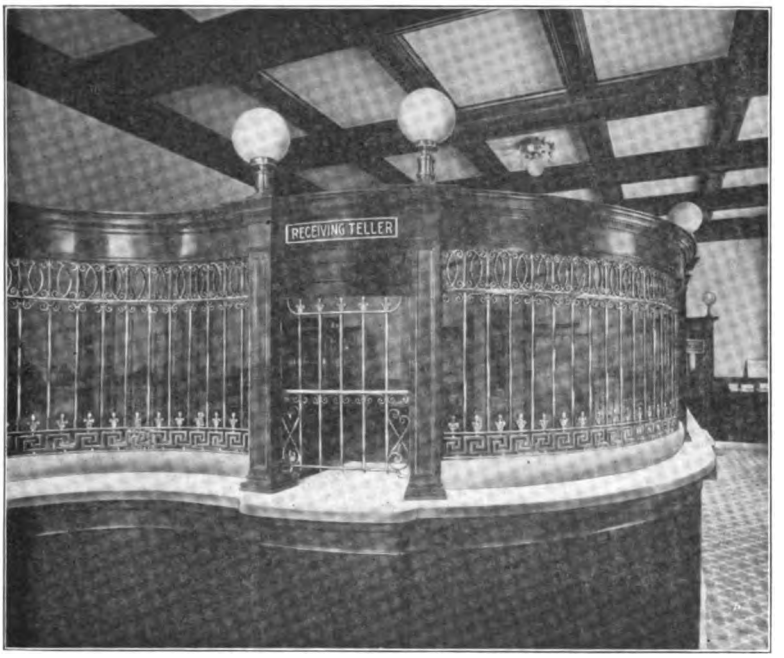
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GUTHRIE—Oklahoma Iron & Metal Co.
OKLAHOMA—Oklahoma City Foundry & Machine Shops

OREGON.

ALBANY—*Albany Iron Works
EUGENE—Frazer, G. N.
PORTLAND — *Honeyman Hardware Co., c Front & Columbia
Pacific Bridge Co., end Burnside Bridge
*Pacific Iron Works
Phoenix Iron Works, E Water c E Madison
*Portland Iron Works, 495 Northrup
Smith & Watson Iron Works, ft Hall

PENNSYLVANIA.

ALLENTOWN—*Hanlon, John J.
BLOOMSBURG—*Harman & Hassert (Inc.)
BRADFORD—*Caldwell, E. R. & Co.
CATASAUQUA—*Davies & Thomas Co. (Builders' Castings Only)
DANVILLE—*Danville Foundry & Machine Co.
DUBOIS—*Dubois Iron Works
EASTON—*Easton Foundry & Machine Co. (Builders' Castings, etc.)
ELLWOOD CITY—Glen Mfg. Co.
ERIE—*Ball Engine Co.
GREENSBURG—*Greensburg Foundry & Machine Co.
*Hempfield Foundry Co.
HOLLIDAYSBURG—Curran Bros. (Iron Fences, etc.)
*McLanahan Stone Machine Co.
LANCASTER—Rote, A. B. & Co.
LEBANON—*Wiemer Machine Works Co.
McKEESPORT—*Monongahela & Yough Foundry Co.
MAUCH CHUNK—Stroh, Wm. H. & Son.
NEWSIDE—Peters, F. N. & Bro.
PHILADELPHIA—*Adams, Wm. Foundry Co. (Inc.), 960 N 9th
Allen Iron & Steel Co., 3rd & Venango
Anchor Boiler Works, Montgomery av & Aubel, F. & E., 2520 N 9th Hancock
*Baisley, Jno., Iron Works, 514 S Del av
Bancroft, Chas. P., 1109 Locust
Barnes, Winfield S. & Co., Witherspoon bldg.
*Belmont Iron Works, 22d & Wash'n av
*Biggin, C. P. Co., 1829 Harlan
Boureau, H. W. & Co., 3302 Ludlow
Cantrell & Co., 112 S 4th
Clopp, Geo. B., 3719 Filbert
Columbia Iron Works, 618 N 4th
*Coyle, H. B. Iron Works, 622 Filbert
*Creswell, Sam'l J. Iron Works, 23d & Cherry
DARBY, EDW. & SONS CO., 239 Arch. (See adv. index, end of book)
Duckworth, Wilmer E 44th c Lancaster av
Fechters, L. M. Sons, 942 N American
Gaumer, John L. Co., 22d & Wood
Gensel, Fred'k & Co., 911 Vine
Gilhour, George J. 5849 Osceola, Gtn
Girard Iron Works, 22d & Master
Hannum, Harry, 2642 Coral
Heberle, Eugene, 50th & Vine
Hitzeroth, Edward Novelty Iron Works, 3120 Market
Hoag, R. C. & Co., 1136 Catharine
Horrocks Iron Works, 234 N Broad
Iles, George F., 90th c Laycock av
Industrial Iron Works, 913 Vine
Jahn, Wm. R., 3205 Germantown av
Jones, J. C., 1215 Filbert
Kemper Cons. Co., Stephen Girard bldg
Keystone Structural Co., Harrison bldg
Lee, Benjamin, 503 Summer
McArdle, Wm. H. & Son, 513 Bainbridge
Midland Metal Co. (Inc.), 21st & Jefferson
Novelty Iron Works, 3120 Market
O'Neil, Michael, 1531 Filbert
Ornamental Iron Works, 919 S 46th
Peters, Jas. & Son, 1934 N Front
Pettit, David, Betz bldg
Pettit, Frank, 805 Master
Philadelphia Art Metal Works, 328 Noble
Philadelphia Hedge Co., 817 Arcade bldg
Reliable Iron Works, 2650 N Hutchinson
REMPPIS, WM. F. CO., 1506 Sansom. (See adv. index, end of book)
Richmond & Co., 1908 Market
Smith, A. L. & Co., 228 N Clarion
Sobers, Jacob, 1121 N American
*Stewart & Stevens Iron Works, 9th c Montgomery av
Sutton, W. A. & Co., 925 N 19th
Temple, Ornamental & Structural Iron Works Co., 308 Harrison bldg
Thompson Bros., 112 Bread
*Thompson, J. & Co., Van Horn c Sophia
Turner, Henry, 4737 N Front
Ward, Joseph, 339 Church la, Gtn
Wark, W. E. & Co., 16th & Chestnut
Washington Iron & Steel Co., 2524 Washington av
Wayne Iron Works (Inc.), Arcade bldg
PITTSBURG—Albree, Chester B. Iron Works, North Side
Bucchele & Davis, 4127 Liberty av
Cornwall, E. & Co., 709 Sarah
Hamilton & Lindenfelser, 22d & Mulberry av
Hanny, Chas. G. & Co., 856 North av
*Marshall Foundry Co. (Builders' Castings)
***PHOENIX STEEL CO. (Inc.), Putnam & P. R. R.** (See adv. index, end of book)
Pittsburg Perfect Fence Co., 1900 Frick bldg
Reincke-Wagner Pump & Supply Co., 420 1st av
RIESECK, P., Allegheny av & Rebecca, North Side. (See adv. index, end of book)
*Rosedale Foundry & Machine Co., s Washington & Preble avs
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler. (See adv. index, end of book)
Stewart-Holland Co., 324 4th av
TAYLOR & DEAN, Penn av & 25th. (See adv. index, end of book)
TYLER, W. S. CO., Bessemer bldg. (See adv. index, end of book)
Vilsack Martin Co. (Ltd.), 3222 Penn av
***WINSLOW BROS. COMPANY,** People's National Bank bldg. (See adv. index, end of book)
Womersley Bros., 6307 Broad
POTTSTOWN—Weller, M. D.
READING—Kiefer, W. L., 233 S 8th
Reading Scale & Machine Co. (Ltd.)
REMPPIS, WM. F. CO. (Plain & Ornamental). (See adv. index, end of book)
Snader, Paul R.
ROYERSFORD—Keystone Structural Co.
SCRANTON—*Finch Mfg. Co.
SOUTH BETHLEHEM—*Bethlehem Foundry & Machine Co. (Cast & Wrought), Front
WAYNESBORO—Smith Fence & Iron Co.
WILKES-BARRE—Eagle Iron Works
*Vulcan Iron Works
Wilkes-Barre Iron Mfg. Co.
YORK—*Smyser, Royer Co.

RHODE ISLAND.

NEWPORT—*Newport Foundry & Machine Co.
PAWTUCKET—White, J. S. Co.
PROVIDENCE—*Colvin Foundry Co.
Commercial Iron Works (Inc.)
Providence Ornamental Iron Works
Providence Steel & Iron Co. (Cast & Wrought)
Tower, Jas. H., 48 Borden

SOUTH CAROLINA.

CHARLESTON—*Charleston Iron Works
*Riley, J. F. Foundry & Machine Works, S
*Riverside Iron Works, Concord South
*Valk & Murdoch Iron Works
SPARTANBURG—Morgan Wood & Iron Works

SOUTH DAKOTA.

SIOUX FALLS—Pankow Bros.

TENNESSEE.

CHATTANOOGA—*Cahill Iron Works
*Chattanooga Car & Foundry Co., 401 Boyce
Chattanooga Iron & Wire Works
*Chattanooga Roofing & Foundry Co.
Eureka Supply Co.
JACKSON—*Southern Engine & Boiler Works (Inc.)
KNOXVILLE—*Fair Foundry Co.
*Knoxville Foundry & Machine Co.
MEMPHIS—*Chickasaw Iron Works
Livermore, F. & M. Co., 160 Adams
Memphis Wire & Iron Works, 140 S 2d
Pidgeon, Thomas Iron Co., 226 2d
Tennessee Wire & Iron Works, 168 N 3d
NASHVILLE—Nashville Wire & Flueing Co.
Rock City Iron Works
Stewart & Bruckner

TEXAS.

AUSTIN—Clark, L. P.
*Tips, Walter Foundry
DALLAS—Harry, O. K. Steel Works
*Mosher Mfg. Co., 313 S Lamar
FORT WORTH—Enterprise Iron Works
*Van Zandt-Moore Iron Works
GALVESTON—Walsh & Cleary, 213 25th
Walsh & Cleary, 213 25th
HOUSTON—Berger, A. A.
*Dickson Car Wheel Co.
Rieaner, B. A.

UTAH.

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*Utah Foundry & Machine Co., 137 W South Temple

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ALEXANDRIA—Alexandria Iron Works
DANVILLE—*Westbrooks Elevator Co. (Inc.)
NORFOLK—Etna Iron Works, 285 Water
Norfolk Iron & Wire Works
PORTSMOUTH—*Ornamental Iron & Wire Co. (Inc.) (Cast, Wrought & Ornamental)
RICHMOND—Carr, Jas. W., 2003 E Main
Old Dominion Iron & Nail Works Co.
*Richmond Iron Works, Broad c 15th
Richmond Mfg. Co.
Richmond Pattern & Structural Iron Works
Tredegar Iron Works
ROANOKE—*Virginia Bridge & Iron Co.

WASHINGTON.

SEATTLE—Camp-Te Roller Agency (Mfrs.' Pacific Ornamental Iron Works Agents)
Seattle Iron & Wire Works
*Variety Iron Works
SPOKANE—*National Iron Works, Inc.
Simmons & Son
Spokane Ornamental Iron & Wire Works
*Union Iron Works (Inc.)
TACOMA—Atlas Foundry & Machine Co.
Puget Sound Iron & Steel Works
Tacoma Ornamental Iron & Wire Works

WEST VIRGINIA.

WHEELING — ARCHITECTURAL IRON & Wire Works. (See adv. Index, end of book)

WISCONSIN.

APPLETON—*Valley Iron Works Co. (Castings & Columns, etc.)
DE PERE—Western Steel & Iron Works (Steel Gates, Fences, etc.)
EAU CLAIRE—*Phoenix Mfg. Co.
LA CROSSE—Smith Mfg. Co.
Torrance, John & Son
MADISON—*Kling & Walker Co.
Kupfer, Theodore
MILWAUKEE—American Bridge Co., 17th & Badger Wire & Iron Works St. Paul av
Bayley Structural Iron Co.
Colnik, C. Mfg. Co.
Globe Wire & Iron Works, Atkinson av
*Greendale Foundry Co., Jackson & Corcoran avs
Hackendahl & Schmidt, 1515 St. Paul av
Hennecke, C. Co., 278 B'way
Model Iron & Wire Works
National Iron & Wire Works
Pletsch, Ferdinand, 617 Cedar
Standard Iron & Wire Works
Stebling, C. H. Co., 508 Commerce
Union Iron & Wire Works
Wagner, A. F., 514 Market
West Side Architectural Iron Works
Wisconsin Bridge & Iron Co.
WISCONSIN IRON & WIRE Works, 100 E Water. (See adv. Index, end of book)
WORDEN-ALLEN CO., P. O. Box 528. (See adv. Index, end of book)
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Iron (Band & Hoop)

(See Iron & Steel, Band & Hoop)

Iron Bar Mills

(See also Steel Bar Mills)

Aetna Nut Co. (Merchant Bar, Rounds & Squares, Ovals & Half Rounds & Ovals), Southington, Conn.
Alabama Iron & Steel Co., Gadsden, Ala.
Altoona Iron Co. (Refined Merchant Bar, Band, Hoop, Oval, Half Round & Scroll Iron), Altoona, Pa.
American Car & Foundry Co. (Merchant Bars, Flats, Squares, etc.), 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Horse Shoe Co. (Bar Iron), Phillipsburg, N. J.
American Iron & Steel Mfg. Co. (Merchant & Refined Bar), Lebanon, Pa
Ames, W. & Co. (Rounds, Flats & Squares), Jersey City, N. J.
Ashland Sheet Mill Co. (Merchant Bar), Ashland, Ky
Boonton Iron & Steel Co. (Bar Iron), Boonton, N. J
Bristol Iron & Steel Co. (Bar Iron), Real Estate Trust bldg., Phila., Pa. Works: Bristol, N. J
Brown & Co. (Refined Bar & Hammered Iron for Special Purposes), Pittsburg, Pa.
Bryden Horse Shoe Co. (Bar & Other Merchant Iron), Catasauqua, Pa
Burden Iron Co. (Bar & Other Merchant Iron), Troy, N. Y.
California Industrial Co. (Merchant Bar Iron), Los Angeles, Cal.
Canton Iron & Steel Co. (Merchant Bar), Baltimore, Md. Works, Canton, Md.
Carter Iron Co. (Merchant Bar Iron), Pittsburg, Pa.
Cincinnati Horse Shoe & Iron Co. (Bar Iron), Cincinnati, O.
Cohoes Rolling Mill Co. (Refined Bar Iron, High Grade for Edge Tools, Butts, Hinges, etc.), Cohoes, N. Y.
Colorado Fuel & Iron Co. (Merchant Bar), Denver Colo.
Cyclops Steel Works (Chas. Burgess Prop.) (Extra Refined Hammered Iron), Titusville, Pa
Davis Bros. (Merchant Bar Iron), 20th & Bristol, Phila., Pa.
Elmira Rolling Mill Co., Elmira Heights, N. Y.
Empire Rolling Mill Co. (Merchant Bar Iron), Cleveland, O.
Ewald Iron Co. (Merchant Bar Iron, Hexagon, Round, etc.), Louisville, Ky.
Falls Hollow Staybolt Co. (Staybolt Iron), Cuyahoga, O.
Fort Wayne Rolling Mill Co. (Rounds, Squares, Flats & Ovals), Fort Wayne, Ind.
Gaulbert & Caskey (Merchant Bar Iron), York & American, Phila., Pa
Harrisburg Rolling Mill Co. (Refined Merchant Bar), Harrisburg, Pa.
Helmbacher Forge & Rolling Mills Co. (Merchant Bar), St. Louis, Mo
Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.
Hirsch Rolling Mill Co. (Merchant & Refined Bar), St. Louis, Mo.
Hughes & Patterson (Bar Iron), Richmond & Susquehanna avs, Phila., Pa.
Illingworth, Jno. Steel Co. (Rerolled Swedish & Norway Iron), 25 Cliff, New York. Mills: Frankford, Phila., Pa.
Interstate Iron & Steel Co. (Bars, Flats, Rounds, Squares, Ovals, Half Rounds, Hexagons, Bevel Edge, etc.), 1st Nat'l B'k bldg, Chicago, Ill.
Janson Steel & Iron Co. (High Grade Refined Iron in Rounds, Squares, Flats, etc.), Columbia, Pa.
Joliet Iron Products Co. (Bar Iron, Rounds, Squares, etc.), Joliet, Ill
Judson Mfg. Co. (Merchant Bar Iron), San Francisco, Cal.
Kansas City Bolt & Nut Co. (Merchant Bar Iron), Kansas City, Mo.
Knoxville Iron Co. (Merchant Bar Iron), Knoxville, Tenn.
Lake Erie Iron Co. (Merchant Bar Iron, Cleveland, O.
Lebanon Valley Iron Co. (Merchant Bar, etc.), Lebanon, Pa.
Licking Rolling Mill Co. (Merchant Bar), Covington Ky.
Lockhart Iron & Steel Co. (Rolled Bar Iron), McKees Rocks, Pa.
Logan Iron & Steel Co. (Charcoal & Refined Bar Iron, Crown Bars, Flats, Rounds, Squares, Ovals, Half Rounds & Ovals, etc.), Burnham, Pa.
Lucknow Iron & Steel Co. (Bar Iron), Harrisburg, Pa.
McCoy-Linn Iron Co. (All Sizes), Millesburg, Pa.
Manhattan Rolling Mills (Inc.) ("Refined"), 362 Av A, New York
Milton Mfg. Co. (Refined Bar Iron), Milton, Pa.
Moorhead Bros. & Co. (Inc.), Sharpsburg, Pa.
National Rolling Mill Co. (Bar & Finished), Vincennes, Ind.
New Haven Iron & Steel Co. (Merchant Bar Iron & Band Iron Rounds, Squares, Ovals, Hexagons for Bolts, Nuts & Carriage Work & Heavy Bands), New Haven, Conn
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Ohio Falls Iron Co. (Merchant Bar & Iron for Railroad, Bridges & Car Works, etc.), New Albany, Ind
Old Dominion Iron & Nail Works Co. (Merchant Bar & Bridge Iron), Richmond, Va.
Oliver Iron & Steel Co. (Rounds, Squares, Flats, etc.), Pittsburg, Pa
Pacific Hardware & Steel Co. (Bar Iron), San Francisco, Cal. Works: Portland, Oregon
Penn. Iron Co. (Merchant Bar), Lancaster, Pa
Philadelphia Forge Co. (Rolled Rounds, Squares etc.), 20 Cliff, New York. Works, Tacony, Pa.
Pittsburg Forge & Iron Co. (Merchant & Refined Bar), Pittsburg, Pa.
Reading Iron Co. (Merchant Bar), Reading, Pa.
Refined Iron & Steel Co. (Refined Engine Bolt Iron; also Chain, Nut & Cold Rivet Iron), Pittsburg, Pa.
Republic Iron & Steel Co. (Common & Refined Bar Iron of all Kinds), Pittsburg, Pa.
Rockaway Rolling Mill (Bar & Double Refined Bars), Rockaway, N. J.
Rome Merchant Iron Mill (High Grade Refined & Merchant Puddled Bars), Rome, N. Y.
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Scranton Bolt & Nut Co. (Merchant Bar), Scranton, Pa.
Seattle Steel Co. (Bar Iron, Rounds, Squares, Flats, etc.), Youngstown, Wash.
Seyfert, Sam'l R. & Bro. (Puddled Bars), Reading, Pa.
Shenango Iron & Steel Co. (Refined Bars; also Screw, Nut & Chain Iron), Pittsburg, Pa.
Slatington Rolling Mill Co. (High Grade Refined Carriage, Drop Forging, Horse Shoe & Boiler Rivet Iron, etc.) Slatington, Pa.
Sligo Iron & Steel Co. (Refined Iron Bars), Pittsburg, Pa.
Standard Chain Co. (Merchant Bar Iron for Harness & Saddlery Work & Chains), Pittsburg, Pa.
Standard Rolling Mill. (M. J. Dempsey Pro.) (Merchant Bar), 11th av. & 40th, New York
Susquehanna Iron Co. (Refined & Merchant Bar, etc.), Columbia, Pa.
Sylvester Company (Merchant Bar Iron), Boston, Mass. Works: Danvers, Mass.
Tennessee Coal, Iron & Railroad Co. (Bar Iron), Birmingham, Ala.
Tredegar Co. (Merchant Bar, Car & Bridge Iron), Richmond, Va.
Tuttle, Chas. W. (Merchant Bar Iron), Auburn, N. Y.
Ulster Iron Works (Merchant Bar Iron), Dover, N. J.
Union Rolling Mill Co. (Refined Bar Iron; also Bolt, Nut, Rivet & Bridge Iron), Cleveland, Ohio
Virginia Iron Coal & Coke Co. (Merchant Bar Iron), Roanoke, Va.
West End Iron Co. (Bar Iron), Lebanon, Pa.
Westerman & Co. (Rounds, Squares, Hexagons & Fancy Shapes & Horse Shoe Iron), Lockport, N. Y.
Western Rolling Mills Co. (Merchant Bar), Denver, Colo.
Western Steel Car & Foundry Co. (Merchant Bar), Anniston, Ala. Office: Chicago, Ill.
Wilkes Rolling Mill Co. (Merchant Bar Iron), Sharon, Pa.
Wilmington Iron Co. (Refined Merchant Bar), Wilmington, Del.
Wood, Alan, Iron & Steel Co., 519 Arch, Phila., Pa.
Wurster, F. W. & W. (Merchant Bar Iron), 373 Kent av., Brooklyn, N. Y.
Zug Iron & Steel Co. (For Forging & Machine Shop Work, Including Heavy Sizes of Squares, Flats, Rounds, etc.), Pittsburg, Pa.

Iron (Boiler & Tank Plate)

(See Iron & Steel, Boiler & Tank Plate)

Iron (Bridge)

(See also Steel Structural Mills)

Lockhart Iron & Steel Co., Pittsburg, Pa. Works McKees Rock, Pa.
Logan Iron & Steel Co., Burnham, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Tredegar Co., Richmond, Va.
West End Iron Co., Lebanon, Pa.

Iron Castings

(See Castings, Various Kinds; also Machinists & Founders)

Iron (Channel)

(See Steel Structural Mills)

Iron (Charcoal Sheet)

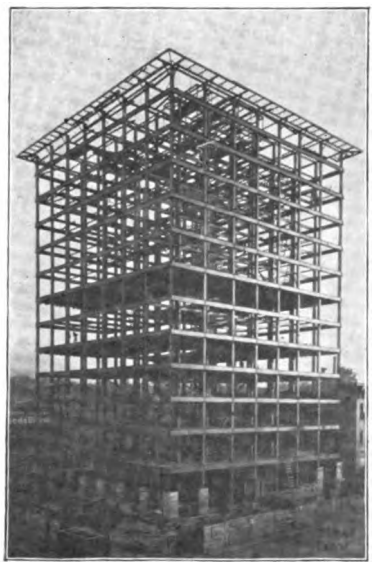
(See also Iron & Steel Sheet, Black & Galvanized)

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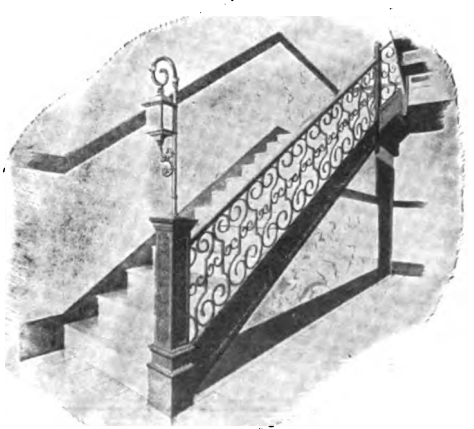


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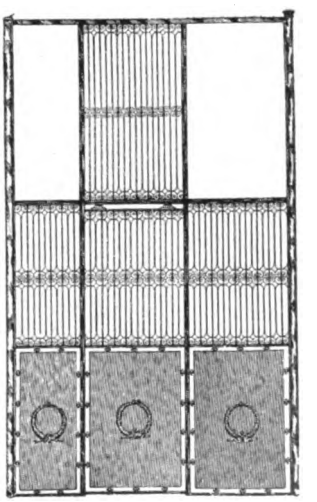
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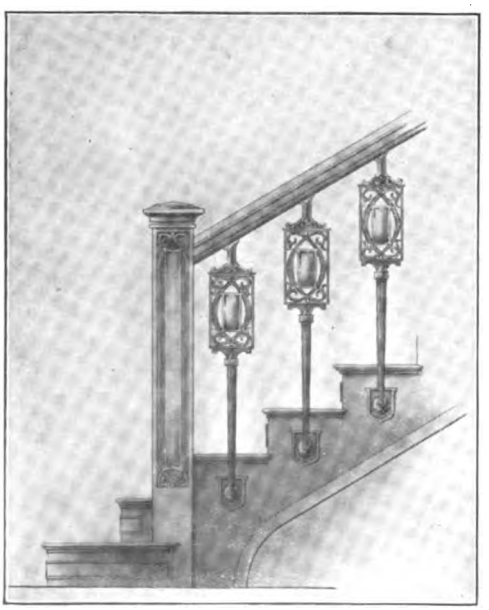
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(See Iron & Steel Sheet, Electrical)

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(See also Iron Bar Mills)

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Shenango Iron & Steel Co., Pittsburg, Pa. Works: Wheatland, Pa.

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(See Iron Railings & Fences; also Wire Fences & Gates)

Iron (Guide)

(See also Iron Bar Mills)

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Helmbacher Forge & Rolling Mills Co., St. Louis, Mo.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.

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(See also Iron Bar Mills)

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Rome Merchant Iron Mill, Rome, N. Y.
Slatington Rolling Mill Co., Slatington, Pa.
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Westerman & Co., Lockport, N. Y.
Zug Iron & Steel Co., Pittsburg, Pa.

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Kittanning Iron & Steel Mfg. Co., Kittanning, Pa.
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Longmead Iron Co., Conshohocken, Pa.
Milton Mfg. Co., Milton, Pa.
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National Tube Co., Pittsburg, Pa.
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Potts Bros. Iron Co., Pottstown, Pa.
Reading Iron Co. (All Consumed by the Company), Reading, Pa.
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Taylor Iron & Steel Co., High Bridge, N. J.
Van Alen & Co., Northumberland, Pa.
West End Iron Co., Lebanon, Pa.
Wheeling Steel & Iron Co., Wheeling, W. Va.
Wilkes Rolling Mills Co., Sharon, Pa.
Williamsport Iron & Nail Co., Williamsport, Pa.
Wood, Alan Iron & Steel Co., 510 Arch, Phila. Pa.
Youngstown Sheet & Tube Co., Youngstown, O
Zug Iron & Steel Co. (Puddled Stock), Pittsburg, Pa.

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(See Iron & Steel, Swedish)

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(See Paints for Coating & Preserving Iron & Steel)

Iron Pier Builders

(See Steel Structural Work)

Iron (Pig)

(See Blast Furnaces; only those who have Blast Furnaces entered in list)

Iron Pipe

(See Pipe & Tube Mills)

Iron (Pipe & Flue)

(See Iron & Steel Skelp)

Iron (Planished)

(See Locomotive Jacket Iron; also Steel Sheets, Planished & Polished)

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Ajax Iron & Wire Co., 75 York, B'klyn, N. Y.
American Fence & Iron Works Co., 510 Carr Cincinnati, O.
ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
Atlanta Wire & Iron Works Co., 64 N Broad. Atlanta, Ga
Balderston, H. & Son, 119 Light, Baltimore, Md.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bayley, Wm. Co., Springfield O.
Belmont Iron Works, 22d & Wash'n av, Phila., Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Buffalo Wire Works Co., 816 Terrace, Buffalo, N. Y.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CARPENTER, F. E. CO., 253 B'way, New York. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Chattanooga Iron & Wire Works, Chattanooga, Tenn.
Chesapeake Iron Works, Baltimore, Md.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago. (See adv. index, end of book)
CHILD, W. C. W., 1 Madison av, New York, & 355 Kingsland av, B'klyn, N.Y. (See adv index, end of book)
Christopher & Simpson Arch'l Iron & Foundry Co., 811 Park av, St. Louis, Mo.
Cincinnati Iron Fence Co., Cincinnati, O.
Cleveland Iron Works Co., Cleveland, O.
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
Cornell, J. B. & J. M. Co., 11th av & 20th, New York
Creswell, S. J. Iron Works, 23d & Cherry, Phila., Pa.
DARBY, EDWARD & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Dauchy Iron Works, 88 Illinois, Chicago, Ill.
Davenport Foundry & Machine Co., Davenport, Ia.
Dimond, Thomas, 128 W 33d, New York
Donovan Wire & Iron Co. (Railings Only), Toledo, O.
Dow Wire & Iron Works, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Eagle Iron Works (Inc.), 850 De Kalb av, Brooklyn, N. Y.
Ernest's Chas. F. Sons, 65 Latlarop, Buffalo, N. Y.
Fletcher & Crowell Co., Portland, Me.
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Glen Mfg. Co., Ellwood City, Pa.
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Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
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Pirkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
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Thompson, Hervey, 176 E 119th, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
UNION FOUNDRY WORKS, First National Bank bldg, Chicago, Ill. (See adv. index, end of book)
Union Iron & Foundry Co., 1458 S 2d, St. Louis, Mo.
VAN DORN IRON WORKS CO. (Wrought), 2885 N 79th, Cleveland, O. (See adv. index, end of book)
Vilsack, Martin Co. (Ltd.), 3222 Penn av, Phila., Pa.
Voss, Frederick, 617 Austin av, Chicago, Ill.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Washington Iron & Steel Co., 2524 Washington av, Phila., Pa.
Wayne Iron Works (Inc.), Arcade bldg, Phila., Pa.
Wells Architectural Iron Co., 219-221 E 144th New York
Westervelt, A. B. & W. T., 102 Chambers, New York
West Side Struct'l Co., Watervliet, Troy, N. Y.
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
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WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Iron (Refined Hammered)

Cyclops Steel Works, Titusville, Pa.

Iron Roofing & Siding

(See Roofing & Siding, Iron & Steel)

Iron (Rustless, Oxidized)

Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Herzog Iron Works (Schuldt Process), St. Paul, Minn.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
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TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)

Iron Skelp

(See Iron & Steel Skelp)

Iron Stair Builders

Albree, Chester B., Iron Works, 1115 Market, Allegheny, Pa.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, [illegible] Wire & Iron Works, 82 Washington av, Detroit, Mich.
Belmont Iron Works, 22d & Washington av, Phila., Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Bradley & Hubbard Mfg. Co., Meriden, Conn
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Brown-Ketcham Iron Works, Indianapolis, Ind.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Chattanooga Iron & Wire Works, Chattanooga, Tenn.
Chesapeake Iron W'ks, Bush & B. & O. R. R., Baltimore, Md.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
Chickasaw Iron Works, Memphis, Tenn.
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City Forge & Iron Works (Andrew Plocher Prop.), Dayton, O.
Christopher & Simpson Arch'l Iron & Foundry Co., 811 Park av, St. Louis, Mo.
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Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Creswell, S. J. Iron Works, 23d & Cherry, Philadelphia, Pa.
Crown Iron Works Co., Minneapolis, Minn.
Dauchy Iron Works, 88 Illinois, Chicago, Ill.
Davenport Foundry & Machine Co., Davenport, Ia.
Donovan Wire & Iron Co.
Eagle Iron Works, 850 De Kalb av, B'klyn, N.Y.
Ernst's, Chas. F. Sons, 65 Lathrop, Buffalo.
Fletcher & Crowell Co., Portland, Me. N. Y.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
FOREST CITY STEEL & IRON CO., 10th nr Detroit av, Cleveland, O. (See adv. index, end of book)
Glen Mfg. Co., Ellwood City, Pa.
Grossman Bros. & Rosenbaum, Willow av & E 133d, New York
HALSTED, JOSEPH CO., 388 W Randolph, Chicago, Ill. (See adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Hedden Iron Construction Co., Newark, N. J.
Holmes, Pyott & Co., Jefferson, n Lake, Chicago, Ill.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Kamman, Walter, Spring Grove av & Monmouth, Cincinnati, O.
LANDON, E. R. IRON & WIRE Works, 18 W May, Chicago, Ill. (See adv. end of book)
Lewis, Henry B., 45 Jos. Campau av, Detroit, Mich.
Lobel-Andrews Co., 531 W 55th, New York
Love Bros. (Inc.), Aurora, Ill.
McKinney, Jas. & Son, 927 B'way, Albany, N.Y.
Mack Iron Works Co., Sandusky, O.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Mesker Bros., 421 S 6th, St. Louis, Mo.
Mesker, Geo. L. & Co., Evansville, Ind.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mugler's Iron Works, 1133 E 136th, New York
Northwestern Foundry, 312 10th av, S Minneapolis, Minn.
Ornamental Iron & Wire Co., Portsmouth, Va.
Paxton & Vierling Iron Works, Omaha, Neb.
PHOENIX STEEL CO. (Inc.), Putnam & P. R. R., Pittsburg, Pa. (See adv. index, end of book)
Pirkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
Prince Iron Works, 555 W 23d, New York
Raquette Foundry & Supply Co. (Cast Iron Spiral), Massena, N. Y.
REMPPIS, WM. F. CO., Reading, Pa., & 1506 Sansom, Phila., Pa. (See adv. index, end of book)
Richey, Browne & Donald, Mappeth, Borough of Queens, N. Y.
RIESECK, P., Allegheny av & Rebecca, Pittsburg, Pa. (See adv. index, end of book)
ST. PAUL FOUNDRY CO., Como av, & Mackubin, St. Paul, Minn. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON W'KS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith & Caffrey, Prop'a. (Phoenix-Porter Foundry), 1421 N Salina, Syracuse, N. Y.
Smyser, Royer Co., York, Pa., & Baltimore, Md.
Snead Architectural Iron Works, 10th & Hill, Louisville, Ky.
SNEAD & CO. IRON WORKS, foot of Pine st., Jersey City, N. J. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
Standard Architectural Iron Works, 643 Bloomingdale av, Chicago, Ill.
STANDARD CO., Railway Exchange bldg, Chicago. Ill. (See adv. index, end of book)
Steward & Stevens Iron Works, 9th c Montgomery av, Phila., Pa.
Syracuse Architectural Iron Works, Syracuse, N. Y.
TAYLOR & DEAN, Penn av, & 25th, Pittsburg, Pa. (See adv. index, end of book)
Thompson, Hervey, 176 E 119th, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
UNION FOUNDRY WORKS, First National Bank bldg, Chicago, Ill. (See adv. index, end of book)
Union Iron Works Co., Colerain av c Sassafras, Cincinnat, O.
Union Iron & Foundry Co., 1458 S 2d, St. Louis, Mo.
VAN DORN IRON WORKS CO., 2085 E 79th, Cleveland, O. (See adv. index, end of book)
Vierling, McDowell & Co., 23d & Stewart, Chicago, Ill.
Vilsack, Martin Co. (Ltd.), 3222 Penn av, Pittsburg, Pa.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Washington Iron & Steel Co., 2524 Washington av, Phila., Pa.
Wayne Iron Works (Inc.), Arcade bldg, Phila., Pa.
Wells Architectural Iron Co. (High Grade Cast Work a Specialty), 219-221 E 144th, New York
West Side Structural Co., Watervliet, Troy, N.Y.

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Whale Creek Iron Works, Calyer & Moultree, Brooklyn, N. Y.
White Bros. Mfg. Co., Denver, Colo.
White Ornamental Iron Works, Oakland, Cal.
WINSLOW BROS. COMPANY, Main Office & Works: 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Iron (Staybolt)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Bassett-Presley Co. ("Crown," Mill Agts.), Cleveland, O.
Bethlehem Steel Co. ("Bethlehem"), South Bethlehem, Pa.
Carter Iron Co. ("The Carter"), Pittsburg, Pa.
Delaware Seamless Tube Co. (Hollow Staybolt Stock), Auburn, Pa.
Ewald Iron Co. ("Tennessee," Charcoal Bloom & "E.-I.-C." Charcoal), Louisville, Ky.
Falls Hollow Staybolt Co. (Hollow & Solid Staybolt Bars, Made from Double Refined Charcoal Iron & Steel), Cuyahoga Falls, O.
FULLER BROS. & CO. ("Ulster Special," Mill Agts.), 139 Greenwich, New York
Hughes & Patterson ("H. & P."),800 Richmond, Phila., Pa.
Jones, B. M. & Co. (Importers of "The Taylor," Best Yorkshire), 141 Milk, Boston, Mass.
Lockhart Iron & Steel Co., Pittsburg, Pa. Works: McKees Rocks, Pa.
Logan Iron & Steel Co., Burnham, Pa.
National Tube Co. (Hollow), Pittsburg, Pa.
New Haven Iron & Steel Co., New Haven, Conn.
Ohio Falls Iron Co., New Albany, Ind.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Pittsburg Forge & Iron Co. ("Atlas"), Pitts-
Reading Iron Co., Reading, Pa. burg, Pa.
Refined Iron & Steel Co. (Double Refined). Pittsburg, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Rockaway Rolling Mill, Rockaway, N. J.
Rome Merchant Iron Mill, Rome, N. Y.
Shenango Iron & Steel Co., Pittsburg, Pa.
Slatington Iron Co., Slatington, Pa.
Sligo Iron & Steel Co., Connellsville, Pa.
Ulster Iron Works ("Ulster," Special), Dover, N. J.
Union Rolling Mill Co. ("Newburgh"), Cleve-
West End Iron Co., Lebanon, Pa. land, O.
Zug Iron & Steel Co. ("Sable" Special Railroad), Pittsburg, Pa.

Iron Summer Houses

Barnum, E. T., 99-105 Shelby, Detroit, Mich.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.) (Iron & Wire), Dayton, O
Lewis, Henry B., 45 Jos. Campau av, Detroit, Mich.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON W'KS. 100 Lake, Chicago, Ill. (See adv. index end of book)
TAYLOR & DEAN, Penn av, & 25th, Pittsburg, Pa. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS. 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Iron (Swedish)

(See Iron & Steel, Swedish)

Iron (Tee)

(See Steel Structural Mills)

Iron & Steel Angles, Channels, Tees, Etc.

(See Steel Structural Mills. Structural Iron or Steel of all Kinds are Classified Under this Heading. See Matter Following Each Firm's Name)

Iron & Steel (Band & Hoop)

Altoona Iron Co. (Iron Only), Altoona, Pa.
American Tube & Stamping Co. (Steel Hoops & Bands), Bridgeport, Conn.
Atlanta Steel Co. (Open Hearth Steel), Atlanta, Ga.
Bristol Iron & Steel Co. (Iron Bands Only), Real Estate Trust bldg., Phila., Pa. Mills: Bristol, Pa.
Carnegie Steel Co. (Iron & Steel Bands & Hoops of all Kinds), Pittsburg, Pa.
Carter Iron Co. ("Carter"), Pittsburg, Pa.
Clark Steel Hoop Co. (Steel Hoops), Punxsutawney, Pa.
Colorado Fuel & Iron Co. (Iron & Steel Bands & Hoops), Denver, Colo.
Helmbacher Forge & Rolling Mills Co. (Band Iron Only), St. Louis, Mo.
Hughes & Patterson (Iron Only), Richmond & Susquehanna av, Phila., Pa.
Illinois Steel Co. (Steel Hoops), 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co. (Steel Only), Pittsburg, Pa.
Lockhart Iron & Steel Co. (Band Iron Only), Pittsburg, Pa. Mills: McKees Rocks, Pa.
Lucknow Iron & Steel Co. (Band Iron Only), Harrisburg, Pa.
Norfolk Iron Co. (Iron Only), Norfolk, Va.
Old Dominion Iron & Nail Works Co. (Brand Iron Only), Richmond, Va.
Pacific Hardware & Steel Co. (Band Iron Only), San Francisco, Cal. Works: Portland, Ore.
Pittsburg Steel Co. (Steel Bands & Hoops). Pittsburg, Pa.
Republic Iron & Steel Co. (Iron & Steel Bands & Hoops), Pittsburg, Pa.
Rome Merchant Iron Mill (Iron Bands & Hoops), Rome, N. Y.
SHARON STEEL HOOP CO. (Steel Bands & Hoops, Galvanized, Pickled, Etc.), Sharon, Pa. (See adv. index & branch offices, end of book)
West Leechburg Steel Co. (Steel Hoops & Bands), Pittsburg, Pa.

Iron & Steel Bar

(See Iron Bar Mills; also Steel Bar Mills)

Iron & Steel Boiler & Tank Plate

Allegheny Steel Co. (Open Hearth Steel), Pittsburg, Pa.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carnegie Steel Co. (Steel Only), Pittsburg, Pa.
Central Iron & Steel Co. (Iron & Steel), Harrisburg, Pa.
Crucible Steel Co. of America (Crucible & Open Hearth Steel), Pittsburg, Pa.
Ewald Iron Co. (Tennessee Charcoal Tank Iron), Louisville, Ky.
Glasgow Iron Co. (Iron & Steel), Pottstown, Pa
Illinois Steel Co. (Open Hearth & Bessemer Steel), 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co. (Open Hearth Steel), Pittsburg, Pa
Lebanon Iron & Steel Co. (Iron Only), Lebanon, Pa.
Lucknow Iron & Steel Co. (Iron & Steel), Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth Steel), Coatesville, Pa.
Moorhead Bros. & Co. (Iron & Steel), Sharpsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Otis Steel Co. (Steel Only), Cleveland, O.
Portsmouth Steel Co. (Open Hearth Steel ½ in. Thick by 72 in. Wide; Any Length up to 16 ft. Long), Wheeling, W. Va.
Potts Bros. Iron Co. (Iron Only), Pottstown, Pa.
Republic Iron & Steel Co. (Tank Iron), Pittsburg, Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Seyfert, Simon, Estate of (Iron Only), Reading, Pa.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
Worth Bros. Co. (Open Hearth Steel), Coatesville, Pa.

Iron & Steel (Corrugated, Mfrs.)

(Firms marked thus (*) Roll their own Sheets)
(See also Roofing & Siding, Iron & Steel)

*American Rolling Mill Co., Middletown, O.
*American Sheet & Tin Plate Co. (Black, Painted & Galvanized), Frick bldg, Pittsburg, Pa.
*BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end
Canton Art Metal Co., Canton, O. of book)
*Carter Iron Co. (Iron Only), Pittsburg, Pa.
East Birmingham Roofing & Corrugating Co., Birmingham, Ala.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index,
Eller Mfg. Co., Canton, O. end of book)
*Empire Iron & Steel Co. (Bessemer & Open Hearth Steel & Wrought Iron), Niles, O.
*Follansbee Bros. Co. (Steel), Pittsburg, Pa.
Garry Iron & Steel Co., Cleveland, O.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Goff, Horner & Co. (Ltd.) (Steel Only), Frick bldg, Pittsburg, Pa.
*Hazelton Sheet Steel Co. (Steel Only), Commonwealth bldg, Phila., Pa.
Hyndman Roofing Co., Cincinnati, O.
*Inland Steel Co. (Open Hearth Steel Only), First Nat'l Bank bldg, Chicago, Ill.
Jersey City Galvanizing Co., 80 Morgan, Jersey City, N. J.
Kanneberg Roofing & Ceiling Co., Canton, O.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Lead Coating Co., 46 Richmond, Phila., Pa.
*Licking Rolling Mill Co. (Iron Only), Covington, Ky.
Moeschl-Edwards Corrugating Co., Covington, Ky.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
*McCullough Iron Co. (Steel Only), Wilmington, Del.
N. Y. Iron Roofing & Corrugating Co., Jersey
Niles Corrugating Co., Niles, O. City, N.J.
Niles Iron & Steel Roofing Co., Niles, O.
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
Reeves Mfg. Co., Canal Dover, O.
***SCAIFE, WM. B. & SONS CO., 221** 1st av, Pittsburg, Pa. (See adv. index, end of book)
*Seneca Iron & Steel Co. (Steel Only), Buffalo,
Sheet Metal Mfg. Co., Niles, O. N. Y.
Southers, E. T., Iron Co., St. Louis, Mo.
Steel Roofing & Stamping Works, Des Moines, Ia.
Sykes Steel Roofing Co., 112 W 19th pl. Chi-
*Thomas Steel Co., Niles, O. cago, Ill.
Twichell Iron Co., Kansas City, Mo.
*Wheeling Corrugating Co., Wheeling, W. Va.
*Wood, Alan Iron & Steel Co. (Steel), 519 Arch, Phila., Pa.
*Wood, J. & Bros. Co. (Inc.), Conshohocken, Pa.
*Youngstown Iron & Steel Roofing Co., Youngstown, O.
*Youngstown Sheet & Tube Co., Youngstown, O.
*Zug Iron & Steel Co., Pittsburg, Pa.

Iron & Steel Sheet (Black & Galvanized)

Allegheny Steel Co. (Black Open-Hearth Sheet Steel, for Electric Work, Stoves, Stamping, Plating, etc.), Pittsburg, Pa.
American Rolling Mill Co. (Iron, Bessemer & Open Hearth Steel Sheets, Black & Galvanized; also Corrugated), Middletown, O.
American Sheet & Tin Plate Co. (Bessemer & Open Hearth Steel Sheets, Black & Galvanized), Pittsburg, Pa.
Ashland Sheet Mill Co. (Iron & Steel Sheets, Black & Galvanized), Ashland, Ky.
Atlanta Tin Plate & Sheet Mill (Black & Galvanized Sheet Iron), Indianapolis, Ind.
BERGER MFG. CO., THE (Black & Galvanized Sheet Steel & Iron Sheets for Tinning), Canton, O. (See adv. index & branch offices, end of book)
Buffalo Steel Co. (Bessemer Steel Sheets, Black & Galvanized), Tonawanda, N. Y.
Cannonsburg Iron & Steel Co. (Black Sheets for Stamping, Enameling, Deep Drawing, Tinning, Stove & Range Work, etc.). Parkersburg, W. Va.
Canonsburg Steel & Iron Works (Iron & Steel Sheets for Stamping, Enamelling, Deep Drawing, Tinning, Galvanizing, etc.), Canonsburg, Pa.
Carnahan Tin Plate & Sheet Co. (Stamping Sheets, all Consumed by the Company), Canton, O.
Carter Iron Co. (Black Iron Chemical Sheets; also Roofing Sheets), Pittsburg, Pa.

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Cleveland Steel Co. (Black Light Steel Plates & Sheets), Cleveland, O.
Colonial Steel Co. (Crucible & Open Hearth Black Sheet Steel), Pittsburg, Pa.
Colorado Fuel & Iron Co. (Steel Black Sheets Only), Denver, Col.
Empire Iron & Steel Co. (Bessemer & Open Hearth Sheet Steel, Black & Galvanized, 10 to 30 Gauge), Niles, O.
Ewald Iron Co. (Iron Sheets), Louisville, Ky.
Follansbee Bros. Co. (Iron & Open Hearth Black Steel Sheets), Pittsburg, Pa.
FRASSE, PETER A. & CO. (Mill Representatives), 130 Worth, New York. (See adv. index & branch offices, end of book)
Hazelton Sheet Steel Co. (Steel Only; also Soft Galvanized Sheets), Commonwealth bldg, Phila., Pa.
Illingworth, Jno. Steel Co. (Hammered & Rolled Steel Sheets for Tools, Saws, Knives, Files, etc.), 25 Cliff, New York. Mills: Phila., Pa.
Indiana Rolling Mill Co. (High Carbon Sheet Steel for Shovel Plate), New Castle, Ind.
Inland Steel Co. (Open Hearth Sheet Steel, Black & Galvanized), 1st Nat. Bank bldg., Chicago, Ill.
Jessop Steel Co. (Crucible Sheet, Black & Galvanized & Saw Steel), 91 John, New York. Mills: Washington, Pa.
Jones & Laughlin Steel Co. (Bessemer Steel Sheets), Pittsburg, Pa.
La Belle Iron Works (Open Hearth Steel Sheets, Black & Galvanized, 10 to 30 Gauge), Steubenville, O.
Licking Rolling Mill Co. (Sheet Iron), Covington, Ky.
McCullough Iron Co. (Black & Galvanized Steel Sheet), Wilmington, Del.
Marshall Iron Co. (Black Iron & Steel Sheets), Newport, Del.
MERCHANT & EVANS CO. (Inc.) (Black & Galvanized), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Moorhead Bros. & Co. (Black Iron & Steel Sheets), Sharpsburg, Pa.
National Sheet Steel Co. (Black & Galvanized Open Hearth Steel & Iron Sheets; also Polished & Blue Steel for Stove Mfrs., Di-Oxidized & Electrical Sheets, One Pass, Cold Rolled, Box Annealed Sheets, Furniture & Automobile Body Sheets), Mansfield, O.
Newport Rolling Mill Co. (Black Steel Sheets for Roofing, Corrugating & Galvanizing; also Galvanized Sheets), Newport, Ky.
Parkersburg Iron & Steel Co. (Fine Black Iron & Steel Sheets), Parkersburg, W. Va.
Phillips Sheet & Tin Plate Co. (Long Black Iron Sheets), Clarksburg, W. Va.
Portsmouth Steel Co. (Open Hearth Steel, Black Sheets Unannealed & Blue Annealed, 13 up to 17 Gauge, 54 in. wide), Wheeling, W. Va. Works, Portsmouth, O.
SCAIFE, WM. B. & SONS CO. (Galvanized), 221 1st av., Pittsburg, Pa. (See adv. index, end of book)
Seneca Iron & Steel Co. (Black & Galvanized Sheet Steel), Buffalo, N. Y.
Sligo Iron & Steel Co. (Black Iron & Steel Sheets, from 9 to 18 Gauge), Pittsburg, Pa.
Taylor, N. & G. Co. (Open Hearth Black & Galvanized Sheet Steel, Gauges 6 to 16 U. S. Standard), Mariners & Merchants bldg, Phila., Pa.
Thomas Steel Co. (Iron & Steel), Niles, O.
United Sheet & Tin Plate Co. (Polished, Black, Galvanized & Corrugated Sheets), Marietta, Ohio
Ward-Dickey Steel Co. ("Dickey," Hammered Finished, Planished Sheet Steel, 18 to 28 Gauge), Indiana Harbor, Ind.
Western Tin Plate & Sheet Co. (Black Sheets for Galvanizing & Tinning), Greencastle, Ind.
Wheeling Steel & Iron Co. (Iron & Bessemer Steel, Black Sheets), Wheeling, W. Va.
Whitaker-Glessner Co. (Iron & Steel Sheets, Black & Galvanized), Wheeling, W. Va.
Wilkes Rolling Mills Co. (Black Iron & Steel Gauges 10 to 28, Width 24" to 31", Lengths 30" to 120", Iron Gauges 16 to 24, 24" to 30", Lengths 60" to 101"), Sharon, Pa.
Wood, Alan Iron & Steel Co. (Iron & Basic Open Hearth Steel, Black & Galvanized) 519 Arch, Phila., Pa.
Wood, J. & Bros. Co. (Inc.) (Sheet & Corrugated Iron & Blue Annealed Sheets), Conshohocken, Pa
Wyoming Shovel Works (Steel Sheets & Light Plates), Wyoming, Pa
Youngstown Iron & Steel Roofing Co. (Sheet Iron & Steel, Black & Galvanized), Youngstown, O.
Youngstown Sheet & Tube Co. (Iron & Steel Sheets, Black & Galvanized, Double Refined Puddled Iron a Specialty), Youngstown, O
Zug Iron & Steel Co. ("Sable" Brand Iron & Steel Sheets for Corrugating, Galvanizing, Stamping, Expanded Metal, etc.), Pittsburg, Pa.

Iron & Steel Sheet (Electrical)

(See also Iron & Steel Sheet, Black & Galvanized)

Allegheny Steel Co., Pittsburg, Pa.
American Rolling Mill Co. ("Muskingum," Open Hearth Steel Sheets, Special Electrical Analysis), Middletown, O
American Sheet & Tin Plate Co. (Soft Steel Sheets, Doubled Annealed & Cold Rolled & Annealed Finishes), Pittsburg, Pa.
Empire Iron & Steel Co. (Open Hearth, Blue Annealed), Niles, O
Goff, Horner & Co. (Ltd.) (Mill Representatives), ("Muskingum," Basic & Acid O. H. Steel Sheets, Special Electrical Analysis). Frick bldg., Pittsburg, Pa.
National Sheet Steel Co., Mansfield, O.
Refined Iron & Steel Co., Pittsburg, Pa.
United Sheet & Tin Plate Co., Marietta, O.
Ward-Dickey Steel Co. (Planished Steel), Indiana Harbor, Ind.
Wood, Alan Iron & Steel Co., 519 Arch, Phila., Pa.
Wood, J. & Bros. Co. (Inc.) (Blue Annealed). Conshohocken, Pa.
Zug Iron & Steel Co. (Iron & Steel), Pittsburg, Pa.

Iron & Steel Sheet (Galvanized)

(See Iron & Steel Sheet, Black & Galvanized)

Iron & Steel Sheets (Lead Coated)

Lead Coating Co., 40 Richmond, Phila., Pa.

Iron & Steel Skelp

Allegheny Steel Co. (Open Hearth Steel), Pittsburg, Pa.
AMERICAN STEEL & WIRE CO. (Skelp Steel), Commercial Nat'l B'k bldg, Chicago, Ill
Brooke, E. & G. Iron Co. (Iron Skelp), Birdsboro, Pa
Byers, A. M. Co. (Skelp Iron, all Consumed by the Company), Pittsburg, Pa.
Carnegie Steel Co. (Steel), Pittsburg, Pa.
Clearfield Steel & Iron Co., Commonwealth bldg, Pittsburg, Pa. Mills, Clearfield, Pa.
Coatesville Rolling Mill Co. (Boiler Tube Skelp), Coatesville, Pa
Dover Forge & Iron Co. (Charcoal Iron Skelp), Canal Dover, O.
Cohocs Rolling Mill Co. (Iron Only), Cohocs.
Glasgow Iron Co., Pottstown, Pa. N. Y.
Harrisburg Pipe & Pine Bending Co. (Iron Boiler Tube Skelp), Harrisburg, Pa.
Harrisburg Rolling Mill Co. (Skelp Iron), Harrisburg, Pa.
Hughes & Patterson (Skelp Iron), Richmond & Susquehanna, Phila., Pa
LaBelle Iron Works (Steel Only), Steubenville, O.
Logan Iron & Steel Co. (Iron Skelp), Burnham, Pa.
Longmead Iron Co. (Grooved Skelp Iron), Conshohocken, Pa
Moorhead Bros. & Co. (Inc.) (Skelp Iron & Steel), Sharpsburg, Pa.
National Tube Co. (Iron & Steel Skelp). Pittsburg, Pa.
National Tube Co. of Ohio (Bessemer), Lorain, Ohio
Parkesburg Iron Co. (Charcoal Boiler Tube Iron Skelp), Parkesburg, Pa.
Potts Bros. Iron Co. (Iron), Pottstown, Pa.
Reading Iron Co. (Plain, Grooved & Sheared Skelp Iron), Reading, Pa
Republic Iron & Steel Co., Pittsburg, Pa.
Seyfert, Simon, Est. of (Grooved Iron Pipe & Tube Skelp), Reading, Pa
Spang, Chalfant & Co. (Pipe Iron), Pittsburg, Pa.
Susquehanna Iron Co. (Skelp Iron), Columbia Pa
Tyler Tube & Pipe Co. (Charcoal Skelp Iron, all Consumed by the Company), Washington Pa.
United Steel Co. (Open Hearth Steel), Canton, Ohio
Vulcan Charcoal Iron & Steel Co. (Skelp Iron for Boiler Tubes), Crum Lynne, Pa.
West End Iron Co. (Skelp Iron), Lebanon, Pa.
Wheeling Steel & Iron Co. (Grooved Skelp Iron & Steel, etc.), Wheeling, W. Va.
Wood, J. & Bros. Co. (Flue Iron), Conshohocken, Pa.
Worth Bros. Co. (Boiler Tube Skelp), Coatesville, Pa.
Youngstown Sheet & Tube Co. (Iron & Bessemer Steel Skelp), Youngstown, O.

Iron & Steel (Swedish)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Brown-Wales Co. (Norway Iron), Boston, Mass.
Dana & Co., 32 B'way, New York
Dodge, Haley & Co., Boston, Mass.
Harvey, Arthur C. Co. (Iron), Boston, Mass.
Illingworth, John Steel Co., Frankford, Phila., Pa.
Milne, A. & Co. (Norway Iron & Steel), 1 B'way, New York, & 8 Oliver, Boston, Mass
Nash, Geo. & Co. (Non-Magnetic Hot and Cold Rolled Norway Iron & Acme Resistance & Bending Wire for Electrical Purposes, Steel Importers, "Seelsohm & Beeckstahl's" Self-Hardening & Tool Steel), 217 Pearl, New York
Pierson & Co., 20 B'way, New York York
Potts, Horace T. & Co., 316 N 3d, Phila., Pa.
Wheelock, Lovejoy & Co., 23 Cliff, New York, & 35 Oliver, Boston, Mass.
White-Good Steel Co., Monadnock blk, Chicago, Ill.

Irons (Branding)

(See Burning Brands)

Irons (Burling)

Stortz, John & Son, 210 Vine, Phila., Pa.

Irons (Cable)

Nagel, W. G. Electric Co., Toledo, O.

Irons (Calking)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Braunsdorf-Mueller Co., Elizabeth, N. J.
Drew, C. & Co., Kingston, Mass.
Illes, C. A. & Co., 14th & Western av, Chicago, Ill.
Kraeuter & Co., Newark, N. J.
Mack & Co., Rochester, N. Y.
Mueller, H. Mfg. Co., Decatur, Ill.
Stortz, Jno. & Son (Plumbers'), 210 Vine, Phila., Pa.
White, L. & J. J. Co., Buffalo, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

Irons (Car Ladder)

Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.

Irons (Clamp)

Stearns, E. C. & Co. (Also Door Frames), Syracuse, N. Y.

Irons (Clothes, Revolving)

Illinois Iron & Bolt Co., Carpentersville, Ill.

Irons (Corner & Brace)

American Hardware Mfg. Co., Ottawa, Ill.
Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
McKinney Mfg. Co., Pittsburg, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Pratt & Letchworth Co., Buffalo, N. Y.
Richards Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Crater, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.

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Irons (Curling)

Arcade Mfg. Co. ("Eulalia," "Ideal"), Freeport, Ill.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill
Del Sales Co. ("Del" Electric), Monadnock blk, Chicago, Ill.
Rolfe Electric Co. (Electric), Rochester, N. Y.
Vulcan Elec. Heating Co. (Electric), 69 Jackson boul, Chicago, Ill.

Irons (Dog)

American Foundry & Mfg. Co., St. Louis, Mo.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Smith, Thos. & Co., Worcester, Mass.
Southern Plow Co., Columbus, Ga.

Irons (Extension Brace)

Brewer Bros. (Wrought), 614 Filbert, Philadelphia, Pa.

Irons (Grab)

Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.

*Irons (Hatch Door)

SEDGWICK MACHINE WORKS (Automatic), Poughkeepsie, N. Y., & 128 Liberty, New York. (See adv. index, end of book)

Irons (Pinking)

Johnson, Wm. (Hedenberg Works), Newark, N. J.
Kraeuter & Co., Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Irons (Plane)

Buck, Chas. Edge Tool Co., Millbury, Mass.
Chaplin-Stephens Co., Pine Meadow, Conn.
Dascher Plane & Tool Co., Saugatuck, Conn.
New England Specialty Co., North Easton, Mass
Ohio Tool Co., Columbus, O.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sandusky Tool Co., Sandusky, O.
Stanley Rule & Level Co., New Britain, Conn.
White, L. & J. J. Co., Buffalo, N. Y.

Irons (Polishing)

(See Sad Irons)

Irons (Porch Post)

Hardware & Woodenware Mfg. Co., 603 B'way, New York
National Supply Co., 7 W Lombard, Baltimore, Md
Penn Hardware Co., Reading, Pa.
Wrightsville Hardware Co., Wrightsville, Pa

Irons (Sash Cord)

Peck, Stow & Wilcox Co., Southington, Conn
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Center New York
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York
Union Mfg. Co., New Britain, Conn.

Irons (Step)

(See Pole Steps)

Irons (Tuyere)

American Foundry & Mfg. Co., St. Louis, Mo
Arcade Mfg Co. (Fitzsimmons"), Freeport, Ill.
Barber Mfg. Co., Ashtabula, O.
Boynton & Plummer, Worcester, Mass.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Comstock, Geo. S. (Fish's Patent Ball Tuyeres), Mechanicsburg, Pa.
Hardware & Woodenware Mfg. Co., 603 B'way, New York
Huntsville Foundry & Machine Works, Huntsville, Ala
Illinois Iron & Bolt Co ("Norton," "Warren," "Clark," "Duck Nest"), Carpentersville, Ill.
Roots, P. H. & F. M. Co., Connersville, Ind
Silver Mfg. Co. ("Dole & Duck Nest"), Salem, O.
Southern Skein & Foundry Co., Chattanooga, Tenn
Swett, A. L. Iron Works, Medina, N. Y.
Thompson Extension Tuyere Co., Indianapolis, Ind.
Wagner Mfg. Co., Sydney, O.
Weyburn Co. ("Rockford Ideal"), Rockford, Ill.

Irons (Waffle)

Erie City Mfg. Co. ("Arrow"), Erie, Pa.
Griswold Mfg. Co. ("American"), Erie, Pa.
Reading Hardware Co., Reading, Pa.
Stuart & Peterson Co., Burlington, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

Irons (Wagon Dump)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
WERSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Irons (Wall)

American Iron & Steel Mfg. Co., Lebanon, Pa
Metropolitan Bolt Co., 307 Congress, Boston, Mass
Old Dominion Iron & Nail Works Co., Richmond, Va.

*Irrigating Sprinklers

DEMING CO., Salem, O. (See adv, index, end of book)

Isinglass

American Glue Co. ("Cape Ann"), Boston, Mass.
Armour Ammonia Works ("Armour's"), St. Louis, Chicago, Ill.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Haskins, Leander M. (For Brewers, etc.), 10 Long Wharf, Boston Mass.
Howe & French Isinglass Co. ("Ripley"), 88 State, Boston, Mass.
Rockport Isinglass Co., Rockport, Mass.
Carr's Isinglass Co., Gloucester, Mass.

Ivory Black

Binney & Smith Co., 81 Fulton, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Seaver & Co., 120 Milk, Boston, Mass.

Jack-Straps

Dicke, C. H. Tool Co. ("Howe"), Downers Grove, Ill
Klein, Mathias & Sons ("Cable"), 78 W Van Buren, Chicago, Ill

Jackets (Copper, for Copper Smelters)

Keystone Bronze Co., 38th & A, V. Ry, Pittsburg, Pa.

*Jackets (Water, for Smelting Plants)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

Jacks (Armature)

(See Lifts, Motor, Car Pit)

Jacks (Automobile)

(See also Jacks, Wagon; also Jacks, Various Kinds)

Batavia Clamp Co. ("Colt's-U-Bar"), Batavia N. Y.
Buckeye Jack Mfg. Co. ("Buckeye"), Louisville, O.
Cook's Standard Tool Co. ("Standard"), Kalamazoo, Mich
Covert Mfg. Co. ("Covert's Victor"), Troy, N. Y.
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Elite Mfg. Co. ("Reliable"), Ashland, O.
Eureka Mower Co. ("Eureka No. 3"), Utica N. Y.
Excelsior Supply Co. ("U. S.," "Peerless"), 235 Randolph, Chicago, Ill.
Globe Jack Co. ("Globe"), 827 N 4th, Philadelphia, Pa.
Jersey Brake Co. ("Searl's Folding), 561 Columbia, Newark, N. J.
Joyce-Cridland Co., 329 Linden av, Dayton, O.
Kellogg Mfg. Co. (Pneumatic), Rochester, N. Y.
Lane Bros. ("Lane's"), Poughkeepsie, N. Y.
Leather & Brass Mfg. Co. (Pneumatic), Auburn, N. Y.
Oliver Mfg. Co. ("E-Z", "Peerless" "New Sampson"), 203 S Desplaines, Chicago Ill.
Pratt, Wm. E. Mfg. Co. ("Chicago"), 91 Lake, Chicago, Ill.
Shawver Co. ("Springfield"), Springfield, Ohio
Ultra Pump & Power Co., Auburn, N. Y.

Jacks (Bridge)

Buckeye Jack Mfg. Co., Louisville, O.
DUDGEON, RICHARD (Hydraulic). 24 Columbia, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)

*Jacks (Cable Reel)

ANDERSON FORGE & MACHINE CO., 271 Gaom, Detroit, Mich. (See adv. index, end of book)

Jacks (Car)

Brill, J. G. Co. ("Hercules"), 63d & Woodland, Philadelphia, Pa.
Buckeye Jack Mfg. Co., Louisville, O.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
Cook's Standard Tool Co. ("Standard", Trip & Automatic Lowering)
DUDGEON, RICHARD (Hydraulic). 24 Columbia, New York. (See adv. index & branch offices, end of book)
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Joyce-Cridland Co., 329 S Linden av, Dayton, O.
Lovejoy Tool Works ("Car Inspection"), 90 Ohio, Chicago, Ill.
Maxon-Miller Jack Co. (Improved Maxon-Miller Lever), Huntington, W. Va.
Norton, A. O., 286 Congress, Boston, Mass.
Templeton, Kenly & Co. (Ltd.) ("Simplex"), 18 Sloan, Chicago, Ill.

Jacks (Car Pit)

(See Lifts, Motor, Car Pit)

Jacks (Car Replacing)

Buckeye Jack Mfg. Co., Louisville, O.
Buda Foundry & Mfg. Co, Railway Exchange bldg, Chicago, Ill. (Works, Harvey, Ill.
DUDGEON, RICHARD (Hydraulic). 24 Columbia, New York. (See adv. index, end of book)
Joyce-Cridland Co., 329 S Linden av, Dayton, O.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works ("Simplex"), 86 E Ohio, Chicago, Ill.
Norton, A. O. (Ball Bearing), 286 Congress, Boston, Mass.
Pearson Jack Co. ("Pearson"), Boston, Mass.

Jacks (Carriage)

(See Jacks, Wagon)

Jacks (Engine)

McMaster-Carr Co. ("Chicago," for Turning Engine off Centre), 174 Lake, Chicago, Ill.

Jacks (Gas Pumping)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Massetth Packer & Machine Works, Butler, Pa.

Jacks (Geared)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Joyce-Cridland Co., 329 S Lindeman, Dayton, O.
Sparta Iron Works Co., Sparta, Wis.

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Jacks (House Moving)

American Skein & Foundry Co. ("A. S. & F. Co." Press Screws for House Raising), Racine, Wis.
Brown Bros. Mfg. Co., W 22d & Campbell av, Chicago, Ill.
Buckeye Jack Mfg. Co., Louisville, O.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Illinois Iron & Bolt Co. (Press Screws for House Raising), Carpentersville, Ill.
Joyce-Cridland Co., Dayton, O.
Maxon-Miller Jack Co. (Improved "Maxon-Miller" Lever), Huntington, W. Va.
Norton, A. O., 286 Congress, Boston, Mass.
Swett, A. L. Iron Works, Medina, N. Y.
Woolly Foundry & Machine Co., Anderson, Ind.

Jacks (Hydraulic)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Burroughs, Chas. Co., 141 Commerce, Newark, N. J.
Dienelt & Elsenhardt ("Reliance"), 1308 N Howard, Phila., Pa.
DUDGEON, RICHARD ("Universal"), 24 Columbia, New York. (See adv. index, end of book)
DUFF MFG. CO. ("Duff-Bethlehem"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
ELMES, CHAS. F. ENGINEERING Works, c Fulton & N Sangamon, Chicago, Ill. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Henderer's, A. L. Sons, Wilmington, Del.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.; "Tangye's," Imported, etc.), 169 Chambers, New York. (See adv. index, end of book)
Joyce-Cridland Co., Dayton, O.
Justice, Philip S. & Co. ("Reliance"), 421 Chestnut, Philadelphia, Pa
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Ohio Brass Co., Mansfield, O.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

*Jacks (Hydraulic, Concrete Testing)

RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

*Jacks (Hydraulic Universal)

DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)

Jacks (Lifting)

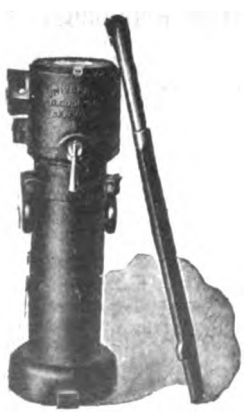
Barth Mfg. Co. ("Barth-Weiler" Reversible Lever, Malleable Iron & Cast Steel), Milwaukee, Wis.
Buckeye Jack Mfg. Co. ("Buckeye"), Louisville, O.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
Contractors' Plant Mfg. Co., Buffalo, N. Y.
Cooks Standard Tool Co. ("Standard"), Kalamazoo, Mich.
De Weese, F. M. ("Mosher"), Chillicothe, O.
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Eureka Mower Co., Utica, N. Y.
Elite Mfg. Co. ("Reliable"), Ashland, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Hagerstown Foundry Co., Hagerstown, Md.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Henderer's, A. L. Sons, Wilmington, Del.
Hess-Snyder Co., Massillon, O.
Hine-Watt Mfg. Co. ("Columbia"), 60 Wabash av, Chicago, Ill.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers New York. (See adv. index, end of book)
Joyce-Cridland Co. (Gear Levered), Dayton, O.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kansas City Auto Jack Co. ("Ashmore"), Kansas City, Mo.
Kenosha Jack Mfg. Co., Kenosha, Wis.
Klemm, E. R., 108 W Monroe, Chicago, Ill.
Locke Regulator Co., Salem, Mass.
Maxon-Miller Jack Co. (Improved "Maxon-Miller" Lever), Huntington, W. Va.
Newell, J. F. & Co., Gardiner, Me.
New London Vise Works, New London, Conn.
New Winona Mfg. Co. ("Hay King"), Winona, Minn.
Norton, A. O. (Ball Bearing Screw), 288 Congress, Boston, Mass.
Oliver Mfg. Co. ("Peerless" "Samson" "Oliver," "Practical," "E. Z"), 208 S. Desplaines, Chicago, Ill.
Pearson Jack Co. (Pearson), Boston, Mass.
Peerless Lifting Jack Co., Anderson, Ind.
Pratt, Wm. E. Mfg. Co. ("Acme"), 91 Lake, Chicago, Ill.
Royal Machine Co., Newark, N. J.
Schwartz, Chas. E., Chillicothe, O.
Shaw Engineering & Mfg. Co. (Adjustible), Newark, N. J.
Shawver Co. ("Springfield"), Springfield, Mass.
Sheffer, B. F., Glen Rock, Pa.
Topping Bros. ("Burrows," Ball Bearing), 122 Chambers, New York
Trenton Malleable Iron Co. ("Krackerjack"), Trenton, N. J.
U. S. Jack Co. ("U. S." Jack), 130 W Lake, Chicago, Ill.
Ultra Pump & Power Co. ("Ultra" Pneumatic), Auburn,, N. Y.
Weiler & Randolph, Sioux City, Ia.
Wray Pump & Register Co. (Inc.) ("Wray Log" Pneumatic), 191 Mill, Rochester, N. Y.

Jacks (Locomotive)

American Skein & Foundry Co. ("A. S. & F. Co." Locomotive Jack Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Louisville, O.
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Joyce-Cridland Co., 329 S Lindeman, Dayton, O.
Illionis Iron & Bolt Co. ("I. I. & B. Co." Locomotive Jack Screws), Carpentersville, Ill.
Maxon-Miller Jack Co. ("Maxon-Miller" Lever), Huntington, W. Va.
Turner, Jno. T. Lowell, Mass.

Jacks (Log)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Buckeye Jack Mfg. Co., Louisville, O.
Burnett Foundry & Machine Works (Ltd.), Petoskey, Ind.
Curtis & Mfg. Co., St. Louis, Mo.
Diamond Iron Works ("Independent" Iron Frame), Minneapolis, Minn.
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Filer & Stowell Co., Home Office, Milwaukee, Wis.



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Gilchrist Bros. ("The Hercules"), South Bend, Ind.
Hill, W. E. & Co., Kalamazoo, Mich.
Joyce-Cridland Co., Dayton, O.
Lane Mfg. Co., Montpelier, Vt.
Maxon-Miller Jack Co. ("Maxon" Lever), Huntington, W. Va.
Moltz, Jacob J., Williamsport, Pa.
Murray, D. J. Mfg. Co. (Iron Frame, etc.), Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Southern Engine & Boiler Works, Jackson, Tenn.
Turner, Jno. T., Lowell, Mass.

Jacks (Oil Well)

Consolidated Mfg. Co., Toledo, O.
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Pennell Bros. & Burden Co., Lima, O.

Jacks (Pneumatic Pit)

(See Lifts, Motor, Car Pit)

Jacks (Polishing)

New Britain Machine Co. ("Whitney"), New Britain, Conn.

Jacks (Pulling)

DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Pearson Jack Co. ("Pearson" Ratchet), Boston, Mass.

Jacks (Pumping)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Appleton Mfg. Co., Batavia, Ill.
Baker Mfg. Co., Evansville, Wis.
Buckeye Engine & Foundry Co., Joliet, Ill.
Field-Brundage Co., Jackson, Mich.
Independent Harvester Co. (Bevel Geared), Plano, Ill.
International Harvester Co. of America, Chicago, Ill.
Lazier Gas Engine Co. (Combination), Buffalo, N. Y.
Myers, F. E. & Bro., Ashland, O.

*Jacks (Railroad)

DUDGEON, RICHARD (Hydraulic) 24 Columbia, New York. (See adv. index, end of book

Jacks (Ratchet)

American Skein & Foundry Co. (Bell Base & Tripod Ratchet Jack Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Louisville, O.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works, Harvey, Ill.
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg Pa. (See adv. index & branch offices, end of book)
Illinois Iron & Bolt Co. (Ratchet Jack Screws), Carpentersville, Ill.
Joyce-Cridland Co., 329 S Lindeman, Dayton, O.
Justice, Philip S. & Co. (Ball Bearing Screw), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co. (Also Friction), Kalamazoo, Mich.
Lovejoy Tool Works (Cone-Bearing for Car Inspectors), 86 E Ohio, Chicago, Ill
Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.
Norton, A. O. (Ball Bearing Screw), 296 Congress, Boston, Mass.
Pearson Jack Co. ("Pearson" Ratchet Journal), Boston, Mass.
Turner, Jno. T. (Railroad), Lowell, Mass.

Jacks (Robie)

Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Jacks (Screw)

(See also Screws, Jack)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Barth Mfg. Co. ("Barth-Weller" Reversible Lever, Malleable Iron & Cast Steel), 338 Milwaukee, Milwaukee, Wis.
Brill, J. G. Co. 62th & Woodland av, Phila., Pa.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Buckeye, Jack Mfg. Co., Louisville, Ky.
Buda Foundry & Mfg. Co., Harvey, Ill.
Chicago Steel Foundry Co., 19th & Rockwell, Chicago, Ill.
Cook's Standard Tool Co. ("Standard"), Kalamazoo, Mich.
Dayton Malleable Iron Co., Dayton, O.
Defiance Machine Works, Defiance, O.
DUFF MFG. CO. ("Barrett's" Differential, etc.), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Eureka Mower Co., Utica, N. Y.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Foltz, H. C., Hagerstown, Md.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Illinois Iron & Bolt Co. ("I. I. & B. Co." Tee Top, Car Box, Bell Base Ratchet, Tripod Ratchet, Ratchet Carrying, Track & Wagon Jack Screws), Carpentersville, Ill.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book
Joyce-Cridland Co., 329 S Lindeman, Dayton, O.
Justice, Philip S. & Co. (Ball Bearing), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works ("Ball's Telescopic & Cone-Bearing Ratchet Screw"), 86 E Ohio, Chicago, Ill.
McMaster-Carr Supply Co. ("Chicago" Engine Jack), 176 Lake, Chicago, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book
Millers Falls Co., Millers Falls, Mass., & 28 Warren, New York
Morden, Frog & Crossing Co. ("Union"), Commercial Bank bldg., Chicago, Ill.
Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.
Newell, J. F. & Co. ("Sampson"), Gardiner, Me.
New London Vise Works ("Peerless" Bell Bottom), New London, Conn.
Norton, A. O. (Ball Bearing Ratchet), 290 Congress, Boston, Mass.
Oliver Mfg. Co. ("E-Z"), 203 S Desplaines, Chicago, Ill.
Pearson Jack Co. ("Pearson"), Boston, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Quincy-Manchester-Sargent Co., 84 Van Buren, Chicago, Ill
Riehle Bros. Testing Machine Co. ("Riehle Robie" Ball Bearing), 1424 N 9th, Phila., Pa.
Rumsey & Co. (Ltd.) (Cast & Wrought Iron Jack Screws), Seneca Falls, N. Y
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., 1133 B'way, New York. (See adv. index, end of book)
WATSON-STILLMAN CO., 30 Church, New York. (See adv. index, end of book)

Jacks (Stone)

Barth Mfg. Co. ("Barth-Weller" Reversible Lever, Malleable Iron & Cast Steel), 338 Milwaukee, Milwaukee, Wis
Brunner & Lay, 133 W Polk, Chicago, Ill.
Buckeye Jack Mfg. Co., Louisville, O.
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Harvey, H. H., 608 Atlantic av, Boston, Mass.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) (Windlass), 169 Chambers, New York. (See adv. index end of book
Joyce-Cridland Co., Dayton, O.
Kelly, L. J. Mfg. Co. ("Kelly's Albany"), Albany, N. Y.
Klemm, E. R., 103 W Monroe, Chicago, Ill.
Lincoln Iron Works (Geared Lifting), Rutland, Vt.
Maynard, C. T. & Co., Fairhaven, Vt.
O'Leary, Arthur J. & Sons Co., 130 W Lake, Chicago, Ill.
Oliver Mfg. Co., 203 S Desplaines, Chicago, Ill.
Riehle Bros. Testing Machine, 1424 N 9th, Phila., Pa

Jacks (Tie Spacing & Straightening)

Belle City Malleable Co. ("Murray" Malleable Iron), Racine, Wis.

Jacks (Track)

American Skein & Foundry Co. (Locomotive, Car Box & Ratchet Jack Screws), Racine, Wis
Barth Mfg. Co. ("Barth-Weller" Reversible Lever, Malleable Iron & Cast Steel), 338 Milwaukee, Milwaukee, Wis.
Buckeye Jack Mfg. Co. ("Buckeye," Compound Lever), Louisville, O.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
Cook's Standard Tool Co. ("Standard" Trip & Automatic Lowering), Kalamazoo, Mich.
DUFF MFG. CO. ("Barrett's"), N S, Pittsburg, Pa. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Henderer's, A. L. Sons, Wilmington, Del.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Joyce-Cridland Co., Dayton, O.
Justice, Philip S. & Co. (Sure Drop), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works ("Simplex"), 86 E Ohio, Chicago, Ill.
Maxon-Miller Jack Co. ("Maxon-Miller" Lever), Huntington, W. Va.
Morden Frog & Crossing Works ("Union"), Commercial Nat'l B'k bldg, Chicago, Ill.
Norton, A. O. (Sure Drop), Boston, Mass.
Pettibone, Mulliken & Co. ("Jenne"), 204 Dearborn, Chicago, Ill.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works, Cheswick, Pa.
Topping Bros. ("Burrows," Ball Bearing), 122 Chambers, New York
Verona Tool Works, Pittsburg, Pa.

Jacks (Traveling)

DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Joyce-Cridland Co., 329 S Lindeman, Dayton, O.
Norton, A. O., 296 Congress, Boston, Mass.
Turner, John T., Lowell, Mass.

*Jacks (Universal)

DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)

Jacks (Wagon)

(See also Jacks, Automobile)

American Skein & Foundry Co. ("A. S. & F. Co." Jack Screws), Racine, Wis.
Arcade Mfg. Co. ("Schofield" & "Chicago"), Freeport, Ill.
Barber Mfg. Co., Ashtabula, O.
Barth Mfg. Co. ("Barth-Weller" Reversible Lever, Malleable Iron & Cast Steel), 338 Milwaukee, Milwaukee, Wis.
Batavia Clamp Co. ("Colt's" U-Bar), Batavia, N. Y.
Boston & Lockport Block Co. ("Lockport"), Boston, Mass.
Buckeye Mfg. Co., Anderson, Ind.
Covert Mfg. Co. ("Covert's Victor"), Troy, N. Y.
Eureka Mower Co. (Steel & Malleable Iron), Utica, N. Y.
Firmald Mfg. Co., North East, Pa.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Illinois Iron & Bolt Co. (Jack Screws), Carpentersville, Ill.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jersey Brake Co. ("Bear's" Automobile & Carriage), Newark, N. J.
Joy, A. P., Rockingham, N. H.
Joyce-Cridland Co., 329 S Linden av, Dayton, O.
Lane Bros. Co. (Steel), Poughkeepsie, N. Y.
Millers Falls Co. ("Power's"), 28 Warren, New York; Works: Millers Falls, Mass.
Myers, F. E. & Bro., Ashland, O.
Oliver Mfg. Co. ("Peerless," "Samson," "Oliver" Practical), Chicago, Ill.
Pioneer Pole & Shaft Co. ("Winner"), Piqua, Ohio
Porter, J. E. Co. ("Porter's" Never-Slip), Ottawa, Ill.
Pratt, Wm. H. Mfg. Co., 91 Lake, Chicago, Ill.
Richards Mfg. Co. ("Tiger"), Aurora, Ill.
Robertson, O. H., Forestville, Conn.
Stearns, E. C. & Co. ("Stearns" All Steel), Syracuse, N. Y.
Torrey Bros. Co. ("Eclipse," "Little Giant"), Central Village, Conn.

*Jacks (Wrecking)

DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)

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Jail & Cell Work (Steel)

Adams Steel & Wire Works, Joliet, Ill.
Barnum, E. T. Wire & Iron Works (Steel Cells), 82 Washington av, Detroit, Mich.
Belmont Iron Works, 22d & Wash'n av, Phila., Pa.
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Chattanooga Iron & Wire Works, Chattanooga, Tenn
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
Covington Architectural Iron Works, Covington, Ky.
Creswell, Sam'l J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Works Co., Minneapolis, Minn.
Diebold Safe & Lock Co. (Steel Cells Only), Canton, O.
HALL'S SAFE CO., Main Office & Works, Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Herring-Hall-Marvin Safe Co., 400 B'way, New York. Works, Hamilton, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
National Prison & Vault Engineering Co. (Engineers, Contractors and Mfrs.), 921 F, N W, Washington, D. C.
Ornamental Iron & Wire Co. (Inc.), Portsmouth, Va.
Pauly Jail Building Co., 2215 DeKalb, St. Louis, Mo.
Phoenix Iron Works, Portland, Ore.
REMPPIS, WM. F., CO., Reading, Pa., & 1506 Sansom, Phila., Pa. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
SMITH, F. P. WIRE & IRON W'KS. 100 Lake, Chicago, Ill. (See adv. index, end of book)
Snead Arch'l Iron Works, Louisville, Ky.
Stewart Jail Works Co., Covington, Ky.
Turner & Brownlie (Steel Cages), Des Moines, Ia
VAN DORN IRON WORKS CO., 2085 E 70th, Cleveland, O. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book
Western Iron Works, 123 Beale, San Francisco, Cal.
Whitehead & Kales Iron Works, Detroit, Mich.
York Safe & Lock Co., York, Pa.

Japans

(See Varnish Manufacturers)

Japans (Baking)

Ajax Paint Co. ("Woodpecker"), Indianapolis, Ind.
Akron Varnish Co., Akron, O.
Chicago Varnish Co., 855 Elston av, Chicago, Ill.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book
Forest City Paint & Varnish Co., Cleveland, O.
Lucas, Jno. & Co., 322 Race, Phila., Pa.
Moller & Schumann, B'way & Marcy av, Brooklyn, N. Y.
Standard Varnish Works, 29 B'way, New York
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
Wilhelm, A. Co., Reading, Pa.
Woodhouse, Samuel F., Unity & Franklin, Phila., Pa.

Jars (Acid)

Steiger Terra Cotta & Pottery Works, San Francisco, Cal.

Jars (Battery)

(See Battery Jars)

Jars (Fruit)

Ball Bros. Glass Mfg. Co., Muncie, Ind.
Clyde Glass Works, Clyde, N. Y.
Consolidated Fruit Jar Co. ("Boyd's" Porcelain Lined & "Mason"), New Brunswick, N. J., & 200 B'way, New York
Flaccus, C. L. Glass Co., Empire bldg, Pittsburg, Pa.
Hazel Atlas Glass Co. (Glass), Wheeling, W. Va.
Hemingray Glass Co., Covington, Ky.
Hermetic Closure Co. (Vacuum & Preserve Jars), 1142 W 16th, Chicago, Ill.
Illinois Pacific Glass Co., San Francisco, Cal.
Mannington Glass Works Co. (Machine Made), Mannington, W. Va
Marion Fruit Jar & Bottle Co., Marion, Ind.
Root Glass Co., Terre Haute, Ind.

Jars (Milk)

Mannington Glass Works Co. (Machine Made), Mannington, W. Va.

*Jig Mills (Ship Yard)

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Jigs (Coal)

American Concentrator Co. (For Anthracite & Bituminus), Joplin, Mo.
Denver Engineering Works Co., Blake & 30th, Denver, Col.
Pittsburg Coal Washer Co., Pittsburg, Pa.
Stroh, W. H. (Est of) Mauch Chunk, Pa.
Tamaqua Mfg. Co. ("Christ" Patent), Tamaqua, Pa.
Wallace, Samuel, White Haven, Pa.

Jigs (For Concentrating Mills)

ALLIS-CHALMERS CO. ("Hancock"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co. ("New Century" Differential, Fast & Eccentric Motion. Tailings, Coal Washing & Iron Ore Washing) Basic City, Va.
National Ore Concentration Co., 1st Nat'l B'k bldg, Chicago, Ill.
Pittsburg Coal Washer Co., Pittsburg, Pa.
Portage Lake Foundry & Machinery Co., Hancock, Mich
Power & Mining Machinery Co. ("Coltom" Hartz), Cudahy, Wis.

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McLanahan-Stone Machine Co. ("McLanahan"), Hollidaysburg, Pa.

*Jigs & Fixtures (Drilling Machine)

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Jim-Crows

(See also Rail Benders)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Union Drop Forge Co., Chicago, Ill.

Jointers (Masons')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Stortz, John & Son, 210 Vine, Phila., Pa.

Jointers (Pipe)

Lord, L. L. Co. ("Lord" Asbestos Lead Pipe Joint Runner), Meadville, Pa.
Mueller, H. Mfg. Co. (For Cast Iron Pipe), Decatur, Ill.
Water Works Equipment Co. ("Star"), 50 Church, New York

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Stearns, E. C. & Co., Syracuse, N. Y.

Jointers (Shingle)

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Lyon Iron Works, Greene, N. Y.

Jointers (Stave)

American Sawmill Machinery Co., 50 Church, New York. Works, Hackettstown, N. J.
Strait, H. N. Mfg. Co. (Wheel, Barrel & Keg), Kansas City, Mo.

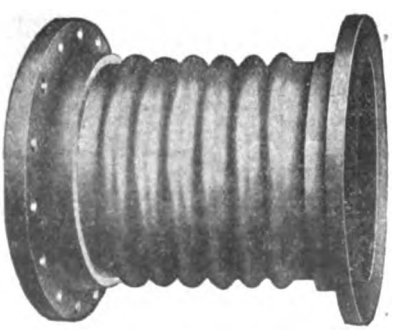
*Joints (Automobile)

WIDMER MACHINE WORKS, Detroit, Mich. (See adv. index, end of book)

Joints (Ball)

(See also Joints, Flexible; also Joints, Universal)

American District Steam Co., Lockport, N. Y.
Boston Gear Works (Solid Ball, Hub Steel & Brass Universal Joint Couplings), Norfolk Downs, Mass.
Clow, Jas. B. & Sons (Flexible), 314 Franklin, Chicago, Ill.



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Dossert & Co., 242 W 41st, New York
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Pearce, W. H. & Co. ("Crescent"), 239 Dearborn, Chicago, Ill.
Powell, Wm. Co., 2525 Spring Grove av. Cincinnati, O.
Queen City Brass & Iron Works (Brass, etc.), Cincinnati, O.
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Lee, Thomas (For Obtaining Pure Cistern Water), Cincinnati, O.

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Greenlaw Mfg. Co. ("Greenlaw"), 141 Milk, Boston, Mass.
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Power Specialty Co. ("Harter" Ball, for Piping), 111 B'way, New York
Sullivan Machinery Co. (For Rock Drills & Channelers), Railway Exchange bldg, Chicago, Ill
Walker Mfg. Co. (Pipe or Ball Joints), Fenton, Mich.
Wood, R. D. & Co. (Pipe), 400 Chestnut, Phila., Pa.

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(See Insulating Joints)

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STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. Index & branch offices, end of book)

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Columbus Forge & Iron Co., Columbus, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. Index, end of book)

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Fries & Co., Buffalo, N. Y.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
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Blood Bros. Machine Co. (For Automobiles, etc.), Kalamazoo, Mich.
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Gould & Eberhardt, Newark N. J.
Gray & Prior Machine Co., Hartford, Conn.
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Michigan Wheel Co., Grand Rapids, Mich.
Reilly, J. J. Mfg. Co., Louisville, Ky.
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Walker Mfg. Co., Fenton, Mich.
Walworth Mfg. Co., Boston, Mass.
WIDMER MACHINE WORKS, Detroit, Mich. (See adv. Index, end of book)

Joist Anchor & Timber Caps

(See also Hangers, Joist)

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CHAMPION IRON CO., Kenton, O. (See adv. Index, end of book)
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Brooklyn Cooperage Co. (Nail, etc.), 117 Wall, New York
Budke Mfg. Co. (Steel Powder), 421 Wood, Pittsburg, Pa.
Granite City Steel Keg Co. (Steel), Granite City, Ill.
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Impervious Package Co. (Nail, etc.), Keene, Peirce, W. E. & Co., Milford, N. H. N. H.
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*Kegs (Steel)

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Cleveland Wire Spring Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
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Giblin & Co., Utica, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y
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Lyon Iron Works, Greene, N. Y.
Moore Plow & Implement Co., Greenville, Mich.
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Meehan Boiler & Construction Co., Lowellville, O.
Pollock, Wm. B. Co., Youngstown, O.
REEVES BROS. CO. (Riveted & Welded), Alliance, O. (See adv. index & branch offices, end of book)
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*Kettles (Melting)

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Townsend Foundry & Machine Shop Co. (Aniline, Albany, N. Y.

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CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
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Day, J. H. Co., Cincinnati, O.
Dopp, W. H. Co. (Seamless), Buffalo, N. Y.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
French Oil Mill Machinery Co., Piqua, O.
Gibson Iron Works Co., 170 1st, Jersey City, N. J.
GRAVER, WM. TANK WORKS (for Lard, Soap, Refining, etc.), East Chicago, Ind. (See adv. index, end of book)
Harris, Arthur & Co., 44 N Curtis, Chicago, Ill.
Holmberg, Chas. & Co. (Copper), 50 Michigan Chicago, Ill.
Jochum, Andrew (Copper Jacketed), 148 E 50th, New York
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Langsenkamp, Wm. & Son, Indianapolis, Ind.
Littleford Bros., 453 E Pearl, Cincinnati, O.
McElroy Iron Works Co., Keokuk, Ia.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book
Maryland Mfg. & Cons. Co., Baltimore, Md.
Mott, J. L. Iron Works, 118 5th av, New York
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PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Petty, J. K. & Co. (Lebanon Boiler Works), Stephen Girard bldg, Phila., Pa. Works: Lebanon, Pa.
Pioneer Iron Works, 140 Pioneer, B'klyn, N. Y.
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Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
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Hibbs, E. A., 209 Quarry, Phila., Pa.
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Littleford Bros., 453 E Pearl, Cincinnati, O.
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McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
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Pioneer Iron Works, 149 Pioneer, B'klyn, N. Y.
Pollock, Alex. Co., 203 West, New York
REEVES BROS. CO., Alliance, O. (See adv. index, end of book)
Riter-Conley Mfg. Co., Pittsburg, Pa., & 111 B'way, New York
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Schalkenbach & Budke, Jersey City, N. J.
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Wright, Stafford, Lawrence, Mass.

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(See Machines, Key-Seating)

Keys (Brake Shoe)

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Oliver Iron & Steel Co., Pittsburg, Pa.
Quincy-Manchester-Sargent Co. ("Q. & C."), Plainfield, N. J.
Steel Car Forge Co. (Iron or Steel for Christie Heads), Pittsburg, Pa. Works, Elwood City, Pa.

Keys (Flat Spring & Riveted)

(See also Cotters, Spring, Etc.)

Brooks, M. S. & Sons (Flat Steel Spring or Riveted), Chester, Conn.
Cobb & Drew (Flat Steel Spring & Flat Riveted), Plymouth, Conn.
Hallinger Fence Co. (Flat Steel Spring), Greenville, O.
Haskell, W. H. Mfg. Co., Pawtucket, R. I.
Hindley Mfg. Co. ("Columbia" Flat & Flat Spring Steel), Valley Falls, R. I.
National Screw & Tack Co. (Flat Steel Spring or Riveted), Cleveland, O.
Pickering, R. S. (Steel Flat Spring & Riveted), Sharon Hill, Pa.
Smith, F. P. & Co. (Flat & Flat Spring, Steel), Sharon Hill, Pa.
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Olney & Warrin (Finished Gib & Plain Head), Center & Leonard, New York
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STANDARD GAUGE STEEL CO. (Finished Steel), Beaver Falls, Pa. (See adv. index, end of book)
Whitney Mfg. Co. (For the Woodruff System of Keying), Hartford, Conn.

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OSBORN MF'G. CO., Cleveland, O. (See adv. index, end of book)

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National Blower Works, 17th & St. Paul av, Milwaukee, Wis.
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Sturtevant, B. F. Co., Hyde Park, Mass.

*Kilns (China & Pottery)

WUERZ KILN & CHIMNEY CONS. Co., 34 W 33d, New York. (See adv. index, end of book)

Kilns (Dry)

(See also Dryers, Brick; also Kiln Drying Apparatus Manufacturers)

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American Blower Co., Detroit, Mich.
ANDREWS, A. H. CO. (Lumber, Dry Kilns), 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
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Carnell, George (Est. of), 1819 N 5th, Phila., Pa.
Chambers Bros. Co. (Brick or Dutch), 52d, below Lancaster av, Phila., Pa.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Dennis, F. W. (Down Draft Brick, etc.), Atlanta, Ga.
Emerson Co. ("Emerson" Automatic Moist-Air for Lumber, etc.), 111 N Charles, Baltimore, Md.
Garden City Fan Co., Fisher bldg, Chicago, Ill.
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Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West Street bldg, New York
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Krom Machine Works, 170 B'way, New York
Link, E. M. Machinery Co., Erie, Pa.
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Milner & Kettig Co., Birmingham, Ala.
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(See Kilns, Rotary)

Kilns (Rotary)

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(See Knives, Wood Barking Machine)

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AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
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Knives (Broom Corn)

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American Knife Co., Baldwinsville, N. Y.
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Reliance Edge Tool Co. ("Reliance"), Youngstown, O.
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Smith, H. D., & Co. ("Perfect Handle"), Plantsville, Conn.
Swan, Jas. Co. ("Bradley" Pattern, "Swan" Folding Handle, etc.), Seymour, Conn.
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Detroit Edge Tool Works, Detroit, Mich.
Dowd, R. G. Knife Works, Beloit, Wis.
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Bateman Mfg. Co. ("The Eureka"), Greenloch, N. J.
Clark & Parsons Co., E Wilton, Me.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. Index, end of book)
Ely, J. Mfg. Co. ("Dandy"), Girard, Pa.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Henry & Allen, Auburn, N. Y.
Indiana Edge Tool Co. ("Wermouth," Spear Point), Gas City, Ind.
Iwan Bros. (Both Handles Adjustable), South Bend, Ind.
National Saw Co. (Corn), Newark, N. J., & Middletown, N. Y.
Ney Mfg. Co. ("American" Sickle Edge), Canton, O.
North Wayne Tool Co. (the C. C. Brooks & H. S. Earle), Hallowell, Me.
Taylor Bros. & Co., Fulton, N. Y.
Wallingford Mfg. Co., Wallingford, Vt.
Winsted Mfg. Co., Winsted, Conn.
Worden Tool Co., Cleveland, O.

*Knives (Header)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. Index, end of book)

Knives (Hedge & Root)

Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.
Evansville Tool Works (Axle Handle), Evansville, Ind.
Indiana Edge Tool Co. ("Scottish Chief" "Hoosier"), Gas City, Ind.

*Knives (Heel Breaster)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. Index, end of book)

Knives (Hoop)

Bradley's, G. W. Sons (Inc.), Westport, Conn.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
Worden Tool Co., 1854 Scranton road, Cleveland, Ohio

*Knives (Hoop Machine)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. Index, end of book)

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Knives (Hunting)

American Cutlery Co., 193 Mather, Chicago, Ill.
AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Clyde Cutlery Co., Clyde, Ohio.
Humason & Beckley Mfg. Co., New Britain, Conn.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Marble Safety Axe Co. ("Sportsman's" Camp, "Sportsman's Fish" and "Expert" and "Ideal" Hunting), Gladstone, Mich.
Richard Stephen Co. ("S. R."), Southbridge, Mass.

Knives (Jointer)

(See Knives, Wood Working Machine)

Knives (Kitchen)

American Cutlery Co., 193 Mather, Chicago, Ill.
AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.
Clyde Cutlery Co., Clyde, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Harrington Cutlery Co. ("Dexter"), Southbridge.
Kimball, C. J. Co., Bennington, N. H. Mass.
Murphy, Robt., & Sons, Ayer, Mass.
New England Specialty Co., North Easton, Mass.
Ontario Knife Co., Franklinville, N. Y.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
White, Ira F., & Son Co., Newark, N. J.

Knives (Lawn Mower)

Anderson Knife & Bar Co., Anderson, Ind.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Hardy, L. Co., Worcester, Mass.
Harrow Spring Co., Kalamazoo, Mich.
Henry & Aileen, Auburn, N. Y.

Knives (Leather Splitting)

Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Mack & Co., Rochester, N. Y.
Simons Mfg. Co., Fitchburg, Mass.

*Knives (Linotype)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Simons Mfg. Co., Fitchburg, Mass.

*Knives (Listing Jointer)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Lithograph Stone)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Logwood)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Loom, Axminster)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Loom, Carpet)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Machine)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Bailey & Blendinger Mfg. Co., Boburn, Mass.
California Saw Works, San Francisco, Cal.
Chattanooga Saw Works, Chattanooga, Tenn.
Chicago Knife Works, 179 S Clinton, Chicago, Ill.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Curtis & Co. Mfg. Co., St. Louis, Mo.
Detroit Edge Tool Works, Detroit, Mich.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Dowd, R. G. Knife Works, Beloit, Wis.
Eagle Saw Works, Chattanooga, Tenn.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Flagg, Joshua G., & Son (Leather Splitting, etc.), Dover, N. H.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foucart, J. E., Williamsport, Pa.
Fowle Bros. & Co., Woburn, Mass.
Fox Machine Co., Grand Rapids, Mich.
Gregg, M., & Son, Rochester, N. Y.
Grover, Jno. B., File Co., Nashua, N. H.
Gustafson & Scott Mfg. Co., 214 S Clinton, Chicago, Ill.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Hardisty & Co., Station C, Cincinnati, O.
Hardy, L. C., Worcester, Mass.
Hiles, C. A., & Co., 14th & Western av, Chicago, Ill.
Holyoke Bar Co., Holyoke, Mass.
Horne, J. H., & Sons Co. (Planing, etc.), Lawrence, Mass.
Kentucky Saw Works (J. B. Senior, Prop.), Louisville, Ky.
Lancaster Machine & Knife Works, Lancaster N. Y.
Lovejoy, D. & Son, Lowell, Mass.
Loyd, John, Co., 558 Water, New York.
McNiece, Wm., & Son, 515 Cherry, Phila., Pa.
Mack & Co., Rochester, N. Y.
Mitts & Merrell, Saginaw, Mich.
Moss & Graham, 224 Centre, New York
Munson Co., Grand Rapids, Mich.
National Saw Co., Newark, N. J.
Ohio Knife Co., Cincinnati, O.
Oldham, Joshua, & Sons, 114 26th, Brooklyn, Otis Tool Co., Columbus, O. N. Y.
Penfield Saw Works, Bristol, Conn.
Pittsburg Shear, Knife & Machine Co., 47th & R. R. av, Pittsburg, Pa.
Rowe & Trummel, 123 W 2d, Cincinnati, O.
Russell, John B., Napanoch, N. Y.
Sandusky Tool Co. (Planer, etc.), Sandusky, O.
Simonds, A. A. & Son Co., Dayton, O.
Simons Mfg. Co., Fitchburg, Mass.
Simonds Saw Co., 83 Market, San Francisco, Cal.
Snell & Atherton, Brockton, Mass.
Southern Saw Works, Atlanta, Ga.
Stortz, Jno., & Son, 210 Vine, Philadelphia, Pa.
Stubbs, Simeon K., 32 Kemble, Boston, Mass.
Taylor Bros. & Co., Fulton, N. Y.
Taylor, Stiles & Co., Riegelsville, N. Y.
Thomson, W. S., 418 W 27th, New York
Toland & Son, Baltimore, Md.
Toledo Saw Co., Toledo, O.
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Willott, J. & Sons, Manitowoc, Wis.
Worden Tool Co., 1854 Scranton rd, Cleveland, Ohio

Knives (Machine, Wood Working)

(See Knives, Wood Working Machine)

*Knives (Marble Cutter Bit)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Matcher)

(See Knives, Wood Working Machine)

*Knives (Meat Slicer)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Metal Shear)

BLISS, E. W., CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Mincing)

Arcade Mfg. Co., Freeport, Ill.
Browne & Dowd Mfg. Co. ("B & D Co."), Meriden, Conn
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Forsyth Mfg. Co. (No. 801), Buffalo, N. Y.
Kilbourne Mfg. Co., Troy, N. Y.
Landers, Frary & Clark, New Britain, Conn.
New England Specialty Co., North Easton, Mass.
Potter Mfg. Co. ("Potter"), Geneva, O.

*Knives (Mitre)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Simonds Mfg. Co., Fitchburg, Mass.

Knives (Moulding Machine)

(See Knives, Wood Working Machine)

Knives (Mower & Reaper)

Akron Machine Co., Akron, O.
Henry & Allen, Auburn, N. Y.
Herschel, R. Mfg. Co., Peoria, Ill.
Mason, F. C. & Co., St. Johns, Mich.
Whitaker Mfg. Co., 30 W. Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Knives (Oil Cloth)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Haag, F. & G. & Co., 170 Center, New York
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Tuck Mfg. Co., Brockton, Mass.

*Knives (Overlay)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Oyster & Clam)

Carver Tool Works (Carver's), Spring Valley,
Clyde Cutlery Co., Clyde, Ohio N. Y.
Dame, Stoddard & Co. ("R. Murphy's"), Boston, Mass.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Richard, Stephen Co. ("S R"), Southbridge, Mass.
Stortz, John, & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Vaughn & Bushnell ("V. & B."), Chicago, Ill.

Knives (Painters')

Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

*Knives (Panel Raising)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Paper)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Foster Bros. & Chatillon Co., Fulton, N. Y.
Hiles, C. A., & Co., 14th & Western av, Chicago, Ill.
Jacques, John & Son, Worcester, Mass.
Mack & Co., Rochester, N. Y.
Simons Mfg. Co., Fitchburg, Mass.
Taylor Bros. & Co., Fulton, N. Y.

*Knives (Paper Box Machine)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Paper Cutter)

American Knife Co., Baldwinsville, N. Y.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Detroit Edge Tool Works, Detroit, Mich.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Lancaster Machine & Knife Works, Lancaster,
Ohio Knife Co. (The), Cincinnati, O. N. Y.
Simonds, A. A. & Son Co., Dayton, O.
Simons Mfg. Co., Fitchburg, Mass.
Taylor Bros. & Co., Fulton, N. Y.
Worden Tool Co., 1854 Scranton rd, N W, Cleveland, O.

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Knives (Paper Hangers')

American Cutlery Co., 193 Mather, Chicago, Ill.
Clyde Cutlery Co., Clyde, O.
Dame, Stoddard & Co. ("R. Murphy's"), Boston, Mass.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Kimball, C. J. Co., Bennington, N. H.
Landers, Frary & Clark, New Britain, Conn.
Murphy, Robt., & Sons, Ayer, Mass.
Northampton Cutlery Co., Northampton, Mass.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.

Knives (Paring)

American Cutlery Co., 193 Mather, Chicago, Ill.
AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Clauss Shear Co. ("Clauss"), Fremont, O.
Edmonds-Metzel Mfg. Co. ("Perpetual"), 1090 Wilcox av, Chicago, Ill.
National Cutlery Co., Detroit, Mich.
Ontario Knife Co., Franklinville, N. Y.
Phoenix Hardware Mfg. Co., Homer, N. Y.
White, Ira F., & Son Co., Newark, N. J.

Knives (Planer)

American Knife Co., Baldwinsville, N. Y.
Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Chicago Knife Wks., 179 S Clinton, Chicago, Ill.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Curtis Mfg. Co. ("Empire"), St. Louis, Mo.
Detroit Edge Tool Works, Detroit, Mich.
Dowd, R. G. Knife Works, Beloit, Wis.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Hardisty & Co., Cincinnati, O.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Mack & Co., Rochester, N. Y.
Sandusky Tool Co., Sandusky, O.
Simonds A. A. & Son Co., Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.
Taylor Bros. & Co., Fulton, N. Y.
Taylor, Stiles & Co., Riegelsville, N. Y.
Worden Tool Co., 1854 Scranton road, Cleveland, O.

*Knives (Plush)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Pocket)

(See Cutlery Manufacturers)

Knives (Putty)

American Cutlery Co., 193 Mather, Chicago, Ill.
Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Kimball, C. J., Co., Bennington, N. H.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
National Cutlery Co., Detroit, Mich.
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y.
Richard, Stephen Co. ("S. R."), Southbridge, Mass.
Stortz, John & Son, 210 Vine, Phila., Pa.
White, Ira F., & Son Co., Newark, N. J.

Knives (Rag Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Detroit Edge Tool Works, Detroit, Mich.
Dunn Edge Tool Co., Oakland, Me.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Ohio Knife Co. (The), Cincinnati, O.
Simonds, A. A. & Son Co., Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.
Taylor Bros. & Co., Fulton, N. Y.
Taylor, Stiles & Co., Riegelsville, N. Y.
Worden Tool Co., 1854 Scranton rd, N W, Cleveland, O.

*Knives (Rand)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Rattan)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Roll Scraper)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Rubber)

Richard, Stephen Co. ("S. R."), Southbridge, Mass.
Tuck Mfg. Co. (for Heavy Electrical Rubber Goods), Brockton, Mass.

*Knives (Scallop)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Knives (Scarfer)

Blake & Johnson, Waterbury, Conn.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Scraper)

American Cutlery Co., 193 Mather, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn
Northampton Cutlery Co., Northampton, Mass.
Simonds Mfg. Co., Fitchburg, Mass.

Knives (Shear Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Simonds, A. A. & Son Co., Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.

*Knives (Sheet Steel)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Shingle)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Mack & Co., Rochester, N. Y.
Taylor Bros. & Co., Fulton, N. Y.
Worden Tool Co., 1854 Scranton road, Cleveland, O.

Knives (Shoe)

American Cutlery Co., 193 Mather, Chicago, Ill.
Coburn, F. W., New Durham, N. H.
Dame, Stoddard & Co. ("R. Murphy's"), Boston, Mass.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Harrington, T. J., Southbridge, Mass.
Hayes Bros., New Durham, N. H.
Hyde Mfg. Co., Southbridge, Mass.
Kimball, C. J., Co., Bennington, N. H.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Murphy, Robt., & Sons, Ayer, Mass.
New England Specialty Co., N. Easton, Mass
Ontario Knife Co., Franklinville, N. Y.
Richard, Stephen Co. ("S. R."), Southbridge, Mass.
Tuck Mfg. Co. ("S. V. Tuck," "T. M. Co.," "Black Diamond"), Brockton, Mass.
White, Ira F., & Son Co., Newark, N. J.

Knives (Shredder)

Akron Machine Co., Akron, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Henry & Allen, Auburn, N. Y.

*Knives (Skiver)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Slaw & Vegetable)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Solid Steel Shear)

Cleveland Machine Knife Co. 946 West, N W, Cleveland, O.
Heppenstall Forge & Knife Co., Pittsburg, Pa.
Tretheway, Samuel, & Co., 47th & Plummer, Pittsburg, Pa.

*Knives (Spiral, of All Classes)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Spiral Tenon)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Splitter)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Spoke Lathe)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cleveland Machine Knife Co. 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Dowd, R. G. Knife Works, Beloit, Wis.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Sandusky Tool Co., Sandusky, O.
Taylor Bros. & Co., Fulton, N. Y.

Knives (Sportsmen's)

Billings & Spencer Co. ("Billings"), Hartford, Conn.

Knives (Stave Cutter)

American Knife Co., Baldwinsville, N. Y.
Atkins, E. C., & Co. (Inc.), Indianapolis, Ind.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Cleveland Machine Knife Co. 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Dowd, R. G. Knife Works, Beloit, Wis.
Taylor Bros. & Co., Fulton, N. Y.
Worden Tool Co., 1854 Scranton road, N W, Cleveland, O.

*Knives (Stereotype)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

*Knives (Stop Cutter)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Straw Cutter)

(See Knives, Hay & Corn Cutter)

*Knives (Tack Machine)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Tanners' Skiving)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Fosteer Bros. & Chatillon Co., Fulton, N. Y.

*Knives (Textile Shear)

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)

Knives (Tobacco)

American Cutlery Co., 193 Mather, Chicago, Ill.
AMERICAN TAP & DIE CO., Greenfield Mass. (See adv. index, end of book)
Anderson Knife & Bar Co., Anderson, Ind.
Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Clyde Cutlery Co. (Beech Handle), Clyde, O.

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COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa
Lancaster Machine & Knife Works, Lancaster
Oldham, Joshua & Sons (Ltd.), 112 26th Brooklyn, N. Y
Russell, Jno. B. ("Diamond Eagle"), Napanoch
Simonds Mfg. Co., Fitchburg, Mass. N. Y
Worden Tool Co., 1854 Scranton road, N W, Cleveland, O.

Knives (Veneer)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cleveland Machine Knife Co. 946 West, N W, Cleveland, O.
Coe Mfg. Co., Painesville, O. Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Detroit Edge Tool Works, Detroit, Mich.
Dowd, R. G. Knife Works, Beloit, Wis.
Hankey, A. & Co., Rochdale, Mass., & 1213 Race, Phila., Pa
Hiles, C. A., & Co., 14th & Western av, Chicago, Ill.
Lancaster Machine & Knife Works, Lancaster
Simonds Mfg. Co., Fitchburg, Mass. N. Y.
Taylor Bros. & Co., Fulton, N. Y.
Worden Tool Co., 1854 Scranton road, N W, Cleveland, O.

Knives (Wood Barking Machine)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Detroit Edge Tool Works, Detroit, Mich.
Mitts & Merrill, Saginaw, Mich.
Taylor Bros. & Co., Fulton, N. Y.

Knives (Wood Flooring Machine)

(See Knives, Wood Working Machine)

Knives (Wood Pulp)

Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Simons Mfg. Co., Fitchburg, Mass.
Taylor Bros. & Co., Fulton, N. Y.

Knives (Wood Surfacing Machine)

(See Knives, Wood Working Machine)

Knives (Wood Tenoning Machine)

(See Knives, Wood Working Machine)

Knives (Wood Working Machine)

American Knife Co., Baldwinsville, N. Y.
Atkins, E. C & Co. (Inc.), Indianapolis, Ind.
Chicago Knife Works, 179 S. Clinton, Chicago, Ill.
Cleveland Machine Knife Co., 946 West, N W, Cleveland, O.
COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. index, end of book)
Detroit Edge Tool Works, Detroit, Mich.
Dowd, R. G., Knife Works, Beloit, Wis.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foucart, J. E., Williamsport, Pa.
Hankey, A., & Co., Rochdale, Mass., & 1213 Race st, Philadelphia, Pa.
Mack & Co., Rochester, N. Y.
Simmonds, A. A., & Son Co., Dayton, Ohio
Simonds Mfg. Co., Fitchburg, Mass.
Taylor Brothers & Co., Fulton, N. Y.
Worden Tool Co., Cleveland, Ohio

Knives & Cutters (Serrated)

Rotary File & Machine Co., 589 Kent av, Brooklyn, N. Y.

Knobs (Base)

Champion Safety Lock Co. ("Champion" Metallic "Neverbreak"), Geneva, O.

Knobs (Carpet)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wilcox, Crittenden & Co. (Brass Hexis. Wrought Nails; also Grommets), Middletown, Conn.

Knobs (Drawer & Shutter)

Yale & Towne Mfg. Co., 9 Murray, New York

Knobs (Glass)

Bache, Semon & Co., West & Hubert, New York

Knockers (Door)

Janusch Mfg. Co., 496 E 134th, New York
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., 9 Murray, New York

Knuckles (Steel)

American Steel Foundries (Open Hearth), Commercial National Bank bldg, Chicago, Ill.
Buckeye Steel Castings Co. (Open Hearth), Columbus, O.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Philadelphia, Pa.
General Castings Co., Verona, Pa.
Gould Coupler Co., 345 5th av, New York
National Car Coupler Co. ("Illinson Emergency"), Monadnock blk, Chicago, Ill. Works: Attica, Ind.
National Steel Casting Co., Montpelier, Ind.
Quincy - Manchester - Sargent Co. ("Gilman-Brown" Emergency), Plainfield, N. J.

Knurls

Braunsdorf-Mueller Co., Elizabeth, N. J.
Welch, T. F. & Co., 55 Sudbury, Boston, Mass
Wilkinson, A. J. & Co., 180 Washington, Boston, Mass.

Krushite (For Sawing Stone)

Frenier, J. H. & Son, Rutland, Vt.

Kryolith

Penna. Salt Mfg. Co. (of Greenland), 115 Chestnut, Phila., Pa.

Label Mfrs.

American Label Co., 34 Cooper sq, New York
American Label Mfg. Co., Baltimore, Md.
Conkey, W. B., Co., Hammond, Ind.
Kittredge, R. J. & Co., 103 W Superior c Green, Chicago, Ill.
Maryland Color Printing Co., Baltimore, Md.
Perfection Mfg. Co. (Florist's), Detroit, Mich.
Reyburn Mfg. Co., 22nd & Allegheny av, Philadelphia, Pa.
U. S. Printing Co., 110 W 34th & Lock, Cincinnati, O.

*Labels (Gas Meter)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)

*Labels (Gummed)

TABLET & TICKET CO., 70-86 W Jackson blvd, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Laboratories (Cement Testing)

Mollan, E. A., 134 Van Buren, Chicago, Ill.
TRUSSED CONCRETE STEEL CO., Trussed Concrete b'dg, Detroit, Mich. (See adv. index & branch offices, end of book)

*Laboratories (Chemical & Physical)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Laboratories (Testing)

Booth, Garrett & Blair (Cement Plants a Specialty), 404 Locust, Phila., Pa.
California Ore Testing Co., 425 Wash'n, San Francisco, Cal.
Detroit Testing Laboratory, Detroit, Mich.
Electrical Testing Laboratories, 80th & East End av, New York
Hunt, R. W. & Co., The Rookery, Chicago, Ill.
Lathbury, B. B. (Cement), Land Title bldg, Philadelphia, Pa.
Lehigh Valley Testing Laboratory (Cement), Allentown, Pa.
Pittsburg Testing Laboratory (Ltd.), 325 Water, Pittsburg, Pa.
Rome Testing Laboratory, Rome, Ga.
St. Louis Sampling & Testing Works (Ores, Fuels, etc.), 1225 Spence, St. Louis, Mo.
Spackman, Henry S. Engineering Co., 42 N 10th, Phila., Pa.

Laboratory Apparatus & Supplies

Bausch & Lomb Optical Co., Rochester, N. Y.
Emmer & Amend, 205 3d av, New York
HOWARD & MORSE (Sieve Agitators, Vicat Needles, Penetrometers & Testing Sieves, etc.), 45 Fulton, New York. (See adv. facing first page of Index of Contents)
International Instrument Co., 23 Church, Cambridge, Mass.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Sargent, E. H., & Co. (Especially for Sugar Factories), 143 E Lake, Chicago, Ill.
Scientific Materials Co., Pittsburg, Pa.

Lace Leather

(See Belt Lacing)

Lacquer Mfrs.

Acme White Lead & Color Works, Detroit, Mich.
American Lacquer Co., Bridgeport, Conn.
Ault & Wiborg Co., Cincinnati, O.
Barrett, M. L., & Co. ("Swastika"), 219 E Lake, Chicago, Ill.
Chicago Wood Finishing Co., 259 Elston, Chicago, Ill.
Cooper, Chas. & Co., 194 Worth, New York
Cullen, F. C. & Co., 704 W Lake, Chicago, Ill.
Egyptian Lacquer Mfg. Co., 152 Front, New York
Feigel, M. & Bro. (Importers), 147 Wooster, New York
Forest City Paint & Varnish Co., Cleveland, Ohio
FRENCH, SAMUEL H. & CO., 41th & Callowhill, Phila., Pa. (See adv. index, end of book)
Glidden Varnish Co., Rockefeller bldg, Cleveland, O.
Hanson & Van Winkle Co., Newark, N. J.
Hommel, O. Co., 400 Duquesne Way, Pittsburg, Pa.
Lucas, Jno. & Co., 322 Race, Philadelphia, Pa.
Moller & Schumann, Marcy & Flushing avs, Brooklyn, N. Y.
New Era Lustre Co. (Verde Antique," "New Era" Metal Finishes), New Haven, Conn.
Nikolas, G. J. & Co. ("Nikolas"), 400 W Van Buren, Chicago, Ill.
Schlegel, Oscar Mfg. Co., 111 E 12th, New York
Standard Varnish Works, 29 B'way, New York
Stroebel, R. F., 2440 3d av, New York
Toch Paint Supply Co. (French Lacquers & Mixtures), 320 5th av, New York
Zucker, Levitt & Loeb Co., 510 W 25th, New York

Lacquering for the Trade

Barlow Mfg. Co., Holyoke, Mass.
Buckeye Electro Plating Co., Mansfield, O.
Grosback, Wm. & Co., 37 Maspeth av, Brooklyn, N. Y.
W. & S. Mfg. Co., Worcester, Mass.

Lacquers (Anti Rust)

Vacuum Varnish & Chemical Co. (Acid-Proof Steel), East Norwalk, Conn.

Lacquers (Canners')

Mairs, John G., Sons, Baltimore, Md.

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*Lacquers (Machine)

U. S. GUTTA PERCHA PAINT CO. ("Rice's" or Egg Shell Gloss Enamel), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)

*Ladder Brackets (Steel)

TAYLOR, JAS. L. MFG. CO. (For Painters & Builders), Bloomfield, N. J. (See adv. index, end of book)

*Ladder Elevators (Steel)

TAYLOR, JAS. L. MFG. CO. (For Painters & Builders), Bloomfield, N. J. (See adv. index, end of book)

*Ladder Elevators (Steel, Gloss Enamel)

TAYLOR, JAS. L. MFG. CO. (For Painters & Builders), Bloomfield, N. J. (See adv. index, end of book)

*Ladder Extensions with Platforms

TAYLOR, JAS. L. MFG. CO. (For Painters & Builders), Bloomfield, N. J. (See adv. index, end of book)

Ladder Rounds (Miners')

Sandusky Tool Co., Sandusky, O.

Ladders

American Mfg. & Novelty Co. (Of All Kinds), Erie, Pa
Bacon & Co. (Inc.) ("Neagora" extension, fruit, etc.), Appleton, N. Y.
Balm, J. A., Canton, O.
Bangor Extension Ladder Co., 27 Bangor, Bangor, Me.
Berg, Jno. & Bro. (Extension), Wentworth, 50th & 5th av, Chicago, Ill
Berger Bros. Co. ("Perfection" Extension), 237 Arch, Phila., Pa.
Brand, Geo., Jr., 672 4th, Oakland, Cal.
Brown, Jno. K. & Co., 181 3d av, Brooklyn, N. Y
Burroughs, W. E. (All Kinds for All Purposes), 8 7th av, Brooklyn, N. Y.
Bushnell Tank Works, Bushnell, Ill.
Canton Ladder Co. (Extension), Canton, O.
Chandelier & Art Brass Works (Step, Galvanized Sheet Metal), Richmond, Ind
Chesebro, Whitman & Co., 1107 1st av, New York
Combination Ladder Co., 366 Fountain, Providence, R. I
Corbett & Co., 420 E 100th, New York
Dillman, I. M. Mfg. Co., 524 Tel av, Oakland Cal
Drake, M. J., 11 Jeffn, Brooklyn, N. Y.
Earl, F. H. Mfg. Co. (Step & Extension) Plano, Ill
Excelsior Ladder Co., Elmira, N. Y.
Fox, Geo. S. (Step, Extension, Painters, etc.), 137 N 6th, Phila., Pa.
Frizell Ladder Co. ("Dorchester" Extension & "Fairy," "Giant," "Climax" Step, etc.), 135 Granite av, Boston, Mass.
Goshen Mfg. Co., Goshen, Ind.
Hercules Specialty Co. (Sectional Extension, Step, etc.), Erie, Pa
Holmquist & Co., 127 N Morgan, Chicago, Ill
Indiana Bent Rung Ladder Co. (Step, Extension, Sectional, etc.), Indiana, Pa
Indiana Bent Rung Ladder Co. (Single, Extension, Step, etc.), Indiana, Pa
Indiana Ladder Co., Indiana, Pa.
Jewett, Oscar (Step), Forestville, N. Y.
McCABE HANGER MFG. CO. (McCabe Tubular Store), 425 W 25th, New York (See adv. index, end of book)
Miller, Edward, ft of E 100th, New York
Miller Ladder Co. (Step, Painters', Extension, Fruit Pickers', Paper Hangers', etc.), N 50th av, Chicago, Ill
Moulton, C. W. & Co. (Extension, Folding, Self Supporting, Section, Window Cleaning Step, Long Pole, etc.), Somerville, Mass
Moulton, Henry, York Corner, Me.
Newton & Haggerty Ladder Co., Detroit, Mich.
N. Y. Ladder Co., 530 Hudson, New York
Noyes, W. H., 154 1st, Newark, N. J.
Phila. Ladder Mfg. Co., 9th & Thompson Phila., Pa
Pierce, W. E. & Co., Milton, N. H.
Portland Extension Ladder Co. ("Flying Yankee" Extension, for Railroads, Electric & Telegraph Companies), 130 Orange, Newark N. J.
Reissler, Andrew, 248 W Houston, New York
Roberts, E. L. & Co. (Step, Extension, etc.), W 22d & Union pl, Chicago, Ill
Saginaw Ladder Co. (Ltd.) (Combined Step & Extension), Saginaw, Mich.
Specialty Mfg. Co., Titusville, Pa.
Tilley, John S., 114 2d, Watervliet, N. Y.
Tupper, Jno. (All kinds), Lynn, Mass.
Udell Works (Step & Extension), Indianapolis, Ind.
Union Blind & Ladder Co. (Step, Orchard & Extension), 328 Howard, San Francisco, Cal
Wenona Mfg. Co., Bay City, Mich.
Whitehurst, R. W. Co., Norfolk, Va.

Ladders (Extension Scaffold)

Burroughs, W. E. 8 7th av, Brooklyn, N. Y.
Hercules Specialty Co., Erie, Pa.
Portland Extension Ladder Co., 130 Orange, Newark, N. J.

Ladders (Folding Roof)

Danzer Metal Works, Hagerstown, Md.

*Ladders ("McCabe" Tubular Store)

McCABE HANGER MFG. CO., 425 W 25th, New York. (See adv. index, end of book)

Ladders (Rolling & Trolley)

Allith Mfg. Co. ("Reliable"), W Taylor & S 43d av, Chicago, Ill.
Bicycle Step Ladder Co., 65 Randolph, Chicago, Ill.
Calander, Jno., 148 8th, St. Paul, Minn.
Coburn Trolley Track Mfg. Co., Holyoke.
Lane Bros. Co., Poughkeepsie, N. Y. Mass.
McCABE HANGER MFG. CO. (Tubular, etc.), 425 W 25th, New York. (See adv. index, end of book
Milbradt Mfg. Co., 1436 N 8th, St. Louis Mo
Morley Bros. (Inc.) (Rolling), Saginaw, Mich
Myers, F. E., & Bro., Ashland, O.
NEWHALL, HENRY B., 90 West, New York
Portland Extension Ladder Co. (Trolley), 130 Orange, Newark, N. J
Putnam & Co. ("Putnam"), 244 Water, New
Richards Mfg. Co., Aurora, Ill. York
Warren, J. D. Mfg. Co., Masonic Temple, Chicago, Ill
Wilcox Mfg. Co. (Ceiling & Shelf Rolling), Aurora, Ill.

Ladders (Steel)

Barnum, E. T., Wire & Iron Works, 82 Washington av, Detroit, Mich.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mountain State Electrical Co. (Also Flexible Steel), Wheeling, W. Va.

Ladders (Store Sliding)

(See Ladders, Rolling & Trolley)

Ladders & Trucks (Firemen's)

Portland Extension Ladder Co. (Safety Trussed), 130 Orange, Newark, N. J.

*Ladle Heaters

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Ladle Sleeves & Nozzles

Swank's, H. Sons (Fire Brick), Johnstown, Pa.

Ladles (Bessemer Plant)

(See Ladles, Open Hearth & Bessemer Plant)

Ladles (Cinder Car)

(See Ladles, Slag; also Cars, Hot Metal & Slag)

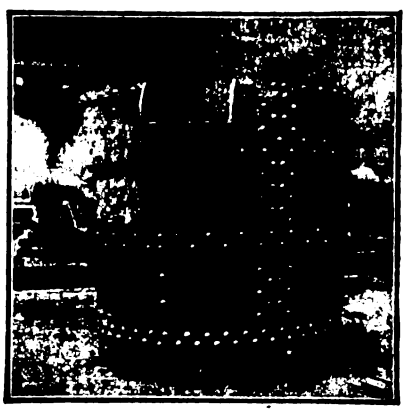
Ladles (Crane or Truck)

Calumet Engineering Works, Harvey, Ill.
Cleveland Car Co., West Park, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney Bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER COMPANY
473 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Ladles (Foundry)

Byram & Co. (Inc.) (15 to 35,000 Pounds), 435 Guoin, Detroit, Mich.
Calumet Engineering Works ("Calumet"), Harvey, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)



LADLES

ANNEALING BOXES
GALVANIZING KETTLES
FURNACE CASINGS
STACKS
FLUES

GENERAL PLATE CONSTRUCTION

WRITE DEPT. H

THE CANTON BOILER AND ENGINEERING COMPANY

Canton, Ohio, U. S. A.

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Carroll-Porter Boiler & Tank Co., Pittsburg, Pa.
Columbiana Boiler Co., Columbiana, O.
Connelly, D. Boiler Co. (Or Hot Metal), Cleveland, O.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book
Etting, E. J., 1105 Land Title bldg, Phila., Pa.
Hay's, Samuel W., Sons, Pittsburg, Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
McCormack, J. S. Co., Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Meehan Boiler & Construction Co., Lowellville, O.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)

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Ogden, J. Edward Co., 147 Cedar, New York
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co., Pittsburg, Pa.
Scannell Boiler Works, Lowell, Mass.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Stewart Boiler Works, Worcester, Mass.
Union Boiler & Mfg. Co., Lebanon, Pa.
Union Foundry & Machine Co. (South Side), Pittsburg, Pa.
Warren City Tank & Boiler Co., Warren, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

*Ladles (Galvanizing)

WILFONG BROS., 52d & Grays av, Philadelphia, Pa. (See adv. index, end of book)

Ladles (Melting & Plumbers')

BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Clark, W. J., Co., Salem, O.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Dicke Tool Co., Downers' Grove, Ill.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hiles, C. A., & Co., 14th & Western av, Chicago, Ill.
Holland Mfg. Co., Erie, Pa.
Holland, Wm., 60 S Canal, Chicago, Ill.
Johnson, Wm. (Hedenberg Works), (Plumbers') Newark, N. J
Knapp Mfg. Co., 22 Frankfort, New York
Lalance & Grosjean Mfg. Co. (Wrought Steel), 299 B'way, New York
Loetzer Valve & Mfg. Co. (Seamless Plate Steel), Monroeton, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Racine Malleable Wrought Iron Co., Racine, Wis.
Reading Hardware Co., Reading, Pa.
Stortz, John, & Son, 210 Vine, Phila., Pa.
Union Heater Supply Co., Detroit, Mich.

Ladles (Mining)

Union Iron Works Co. (Matte Ladles), San Francisco, Cal
Power & Mining Machinery Co. (Heavy Steel Plate), Cudahy, Wis

Ladles (Open Hearth & Bessemer Plant)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Carrol Porter Boiler & Tank Co., Empire bldg. Pittsburg, Pa. Works, Wellsville, O.
Columbiana Boiler Co., Columbiana, O.
Connelly, D. Boiler Co., Cleveland, O.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Munroe, H. & Sons Corporation, 23d & Smallman, Pittsburg, Pa.
Penna. Engineering Works, New Castle, Pa.
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Pollock, Wm. B. Co., Youngstown, O.
Stamp, C. E., & Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Ladles (Slag)

(See also Ladles, Foundry; also Cars, Hot Metal & Slag)

Union Boiler & Mfg. Co., Lebanon, Pa.
Wellman-Seaver-Morgan Co. ("Dewhurst"), Cleveland, O.

Lagging (Hardwood)

Dodge Mfg. Co., Mishawaka, Wis.

"La-Lo" Spray, Liquid Cleaner

Boston La-Lo Spray Co. (Dustlayer, Disinfectant, Deodorizer, etc.), Boston, Mass.

Lamp Black Mfrs.

Bihn & Wolff Co., Bridesburg, Phila., Pa.
Binney & Smith Co., 81 Fulton, New York
CABOT, SAMUEL, 141 Milk, Boston, Mass. (See adv. index & branch offices, end of book)
Davidson, Jas. H. (Inc.) 239 Front, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Eddy's, Titus Son, Troy, N. Y.
Lyons, Jas., Evergreen (Borough of Queens), N. Y
Martin, L. Co., 81 Fulton, New York
Seaver & Co., 120 Milk, Boston, Mass.
Wilckes, Martin, Wilckes Co. ("Bear Brand"), 135 William, New York

Lamp Cords

(See Cords, Flexible)

Lamp Posts

(See Posts, Lamp)

Lamp Posts (Pressed Steel)

Union Metal Mfg. Co., Canton, O.

*Lamp Replacers & Cleaners (Incandescent)

MORSE, FRANK W., 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Lamp Sockets (Incandescent)

Brunt, G. F. Porcelain Works (Regulating), East Liverpool, O.
Burdett-Rowntree Mfg. Co. (Ball Socket), 85 W Jackson boul, Chicago, Ill.
Crouse-Hinds Electric Co. ("Norbett" Waterproof), Syracuse, N. Y.
Electrical Supply Co. ("Hawkeye"), Sioux City, Iowa
Gilmore Electric Co., South Boston, Mass.
Hubbell, Harvey (Pendant Chain Pull), Bridgeport, Conn.
Illinois Electric Co. ("Hubbell"), 239 Madison, Chicago, Ill.
Johns, H. W.-Manville Co., 100 William, New York
Marshall-Sanders Co., 301 Congress, Boston, Mass.
New England Electric Mfg. Co., West Somerville, Mass.
Paiste, H. T. Co., 3101 Ludlow, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Mfg. Co., Peru, Ind.
Pringle, W. T. ("Ries" Regulating), 112 N 12th, Phila., Pa.
Yost Electric Mfg. Co., Toledo, O.

Lamps (Acetylene Gas)

Davis Acetylene Fixture & Supply Co. (Arc), Elkhart, Ind.
Klemm & Co. ("Klemm" Arc), 122 N 5th, Phila., Pa.
Miner, Thos. T. W. ("Miner" Globe), 821 Eagle av, New York

Lamps (Alcohol)

Gem Mfg. Co. ("Gem" Brass & Steel), Pittsburg, Pa.

Lamps (Arc)

Adams-Bagnall Electric Co. ("A-B," Enclosed), Cleveland, O.
Alexander, F. Elec. Mfg. Co. (Miniature), 75 Fulton, New York
American Arc Lamp Co. ("Northall," "Lea," Enclosed), Kalamazoo, Mich.
Anderson, Albert & J. M. Mfg. Co. ("Monarc," Alternating & Direct Enclosed Incan.), 287a, S Boston, Boston, Mass.
Aurora Electric Co. (Miniature), Aurora, Ind.
Economy Electric Co., Brooklyn, N. Y.
F. & M. Illuminating Co. ("Astral"), 235 B'way, New York
Fort Wayne Electric Works (Inc.) (Alt. & Direct), Fort Wayne, Ind.
GENERAL ELECTRIC CO. ("Multiple A. C. & D. C.," "T. H.," "M. & K.," "Brush"), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
H. & M. Electric Co. ("Jewell," Miniature), 1153 Myrtle av, Brooklyn, N. Y.
Helios Mfg. Co. ("Continental"), Bridesburg, Phila., Pa.
Ideal Electric & Mfg. Co. ("Ideal," Enclosed for Direct & Alternating Current), Mansfield, O.
Imperial Electric Mfg. Co., 4 Murray, New York
Jandus Electric Co. ("Boulevard"), Cleveland, Ohio
Keystone Electric & Mfg. Co. ("Climax"), North Side, Pittsburg, Pa.
Kraushaar Bronze Mfg. Co. ("Anderson-Smith"), St. Louis, Mo.
Marquette Elec. Mfg. Co., 215 S Clinton, Chicago, Ill.
Mutual Electric & Machine Co. ("Mutual," Enclosed Type, Direct Current), Wheeling, W. Va.

Westinghouse Lamps

Carbon Arc Lamps, Metallic-Flame Arc Lamps,
Incandescent Lamps, Tungsten Lamps
For all commercial circuits and voltages

Westinghouse Electric & Mfg. Co., - Pittsburg, Pa.

Offices in All Large Cities.

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Oppermann Electric Works ("Columbia"), Manitowoc, Wis.
Philadelphia Electrical & Mfg. Co. (Open & Enclosed), 1234 N 31st, Phila., Pa.
Sheffield Electric Co., 115 B'way, Brooklyn, N. Y.
Stave Electrical Co. ("Stavelco," "Perkeo," Semi-Enclosed & Miniature), 27 W 27th, New York
Toerring, C. J., Co. ("Toerring," Enclosed), 2121 Toronto, Philadelphia, Pa.
United States Arc Lamp Co. (Miniature), 250 6th av, New York
Volkmer Electric Co., 587 Hudson, New York
Warner Arc Lamp Co. ("Warner," Enclosed, Direct Current), Muncie, Ind.
Western Electric Co., 259 S Clinton, Chicago, Ill, & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co. (Alt. & Direct Enclosed), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lamps (Arc, Acetylene)

(See Lamps, Acetylene Gas, with the Word Arc following their names)

Lamps (Arc, Flaming)

American Flaming Arc Lamp Co., Boston, Mass.
Beck Flaming Lamp Co. ("Beck"), 30 Greenwich, New York
Excello Arc Lamp Co. ("Sunray," "Snowball," Imported), 30 E 20th, New York
GENERAL ELECTRIC CO. ("G. E."), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
German-American Elec. Co. ("Grant"), 110 W 14th, New York
Grant Flaming Lamp Co. ("Grant"), Old Colony bldg, Chicago, Ill.
Hagstedt, Chas. ("Flamor"), 77 E 52d, New York
Hamburger, Felix Co. ("Jupiter," "Carbone," "Bivolta," Imported), 111 E 12th, New York
Helios Mfg. Co., Bridesburg, Phila., Pa.
Marquette Electric Mfg. Co., 215 S Clinton, Chicago, Ill.
Olenin Electric Co., Binghamton, N. Y.
Royal Lamp Co., 126 6th av, New York
Scott Electrical Co. ("Decuple"), Newark, N. J.
Stave Electrical Co. ("Stave"), 27 W 27th, New York
Toerring, C. J. Co., 2119 Toronto, Phila., Pa.
Warner Arc Lamp Co., Muncie, Ind.
Western Electric Co. ("Victor"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lamps (Arc, Gas)

(See also Lamps, Incandescent Gas)

Acorn Brass Works ("Lumo"), 203 Fulton, Chicago, Ill.
American Gas Machine Co. ("American" Inverted), Albert Lea, Minn.
Atco Metal Mfg. Co., Atco, N. J.
Cluster Gas Light Co., 67 Bowery, New York
Crane, Wm. M. Co. ("Eagle"), 16 W 32nd, New York
General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.
Gleason, E. P. Mfg. Co. ("Grey" & "Gleason's" Incandescent Reflecting), 37 Murray, New York
Hamilton Lighting Co., Pittsburg, Pa.
Incandescent Burner Co., 605 Fulton, Brooklyn, N. Y.
Irby & Gilliland Co. ("Efficent," "Senior"), Memphis, Tenn.
Kern Burner Co., 88 Warren, New York
Klemm & Co., 132 N 5th, Philadelphia, Pa.
Knapp Mfg. Co. ("Mercer"), 20 Warren, New York
Liberty Gas Light Co. ("Victor"), 1334 N High, Columbus, O.
National Stamping Works, La Salle & Michigan, Chicago, Ill.
Northern Light Co. (Incandescent), 451 Greenwich, New York
Phelps Co., 33 State, Detroit, Mich.
Rector Gas Lamp Co., 47 Leonard, New York
Sanitary Specialty Mfg. Co. ("Doorenbos"), 55 N Clinton, Chicago, Ill
Turner Brass Works, Franklin & Michigan, Chicago, Ill.
White Mfg. Co., 192 Michigan, Chicago, Ill.

Lamps (Arc, Gasoline)

(See also Lamps, Gasoline; also Lamps, Incandescent Gasoline)

Acorn Brass Works ("Doran"), 203 Fulton, Chicago, Ill.
Best Light Co., Canton, O.
Martin & Morehead, 51 W Washington, Chicago, Ill
National Light, Heat & Power Co. ("Let There Be Light"), 302 W Lake, Chicago, Ill.
National Stamping & Electric Works, Chicago
Turner Brass Works, Sycamore, Ill. Ill
White Mfg. Co. ("American" & "White Star" Pressure), 192 Michigan, Chicago, Ill.

*Lamps (Arc, Machine Shop)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Lamps (Arc, Miniature)

Stave Electrical Co. ("Stavelco," "Perkeo" Semi-Enclosed & Miniature), 1 Madison av, New York

Lamps (Arc, Photo-Engraving)

Adams-Bagnall Electric Co., Cleveland, O.
Arlston Electric Co., 135 William, New York
Bogue, Chas. J., Electric Co., 513 W 29th, New York
COOPER-HEWITT ELECTRIC CO. ("Vapor"), 220 W 29th, New York
Fox Arthur W., 83 Schermerhorn, Brooklyn, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Helios Mfg. Co., Bridesburg, Philadelphia, Pa.
Menchen, Jos. Electrical Co., 360 W 50th, New York
Thompson, Albert T. & Co., Boston, Mass.
Toerring, C. J. Co., 2119 Toronto, Phila., Pa.
Western Electric Co. ("Aristo"), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lamps (Arc, Stage & Stereopticon)

Globe Electric Co., 419 W 42d, New York
Menchen, Jos. Electrical Co., 360 W 50th, New York
Pennefather, J. S., 105 W 39th, New York
Superior Electric Co., 520 W 40th, New York
Universal Elec. Stage Lighting Co. ("Kliegel"), 1393 B'way, New York

Lamps (Automobile, Gas & Oil)

(See also Lamps, Carriage)

American Acetylene Stove Co. (Gas), Masonic Temple, Minneapolis, Minn.
American Auto Brass Co., Columbus, O.
American Lamp Works, 253 W 47th, New York
Angiulli, Luigi (Gas), 182 Centre, New York
Atwood-Castle Co. ("Mile Ahead" Gas & "Stay Lit" Oil), Amesbury, Mass.
Automobile Supply Mfg. Co. ("Jap," "Faro"), 139 Emerson pl, Brooklyn, N. Y
Badger Brass Mfg. Co. ("Solar" Headlights), Kenosha, Wis
Colt, J. B. Co. (Gas), 21 Barclay, New York
Corcoran Lamp Co., Cincinnati, O.
Cowles, C. & Co. (Oil), Water c Chestnut, New Haven, Conn.
Dayton Mfg. Co. ("Avery," Gas), 2240 E 3d, Dayton, O.
Dietz, R. E. Co., 60 Laight, New York
Edmunds & Jones, 315 Riopelle, Detroit, Mich.
Gray & Davis ("Bullet"), Amesbury, Mass.
Ham, C. T. Mfg. Co. (Oil), 731 Oak, Rochester, N. Y
Hine-Watt Co. ("Columbia," Gas), 60 Wabash av, Chicago, Ill
Manhattan Lamp Works ("Saxon," Gas), 46 W 67th, New York
Moore, M. E. & Son (Gas), Westfield, Mass.
New York Coach & Auto Lamp Co., 302 W 53d New York
Post & Lester ("Royal de Luxe"), Hartford Conn
Rose Mfg. Co. ("Neverout"), 910 Arch, Philadelphia, Pa
Rushmore Dynamo Works (Gas), Plainfield, N.J
Scoville & Peck Co. ("Peck," Oil), 15 Wooster New Haven, Conn.
Sibley & Pitman ("Climax"), 26 Warren, New York
Smith & Mabley ("Billy," "French"), 1765 B'way, New York
Stevens & Sackett Co. (Oil), 70 Crown, New Haven, Conn.
Standard Carriage Lamp Co. (Gas), 43 S Canal, Chicago, Ill.
Twentieth Century Mfg. Co. ("La Belle," Gas, & "Grand," & "Mammoth," Oil), 19 Warren, New York
White Mfg. Co., Bridgeport, Conn.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Lamps (Battery)

Ohio Electric Works, Cleveland, O.
MORSE, FRANK W. ("Morse" Trouble, for Automobile & Power Boats), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Lamps (Bicycle)

Bridgeport Brass Co., Bridgeport, Conn.
Hine-Watt Mfg. Co., 60 Wabash av, Chicago, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rose Mfg. Co., 910 Arch, Phila., Pa.
Scovill Mfg. Co., Waterbury, Conn.
Twentieth Century Mfg. Co., 17 Warren, New York

Lamps (Bronze, Artistic Wrought)

(See also Gas Fixtures, Wrought Iron)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
CHICAGO ORNAMENTAL IRON CO., 37th & Stewart av, Chicago, Ill. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. & CO., 29 E. 17th (Union Sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Jannsch Mfg. Co., 496 E 134th, New York
Henry-Bonnard Bronze Co., Mount Vernon, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York

Lamps (Bronze, Electric)

Duffner & Kimberly Co., W 32d, New York

*Lamps (Candle)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Lamps (Car)

Adams & Westlake Co. (All Kinds), Ontario & N Franklin, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Dayton Mfg. Co. (For Steam & Electric Cars), Dayton, O.
Howard, Jas. L. & Co., Hartford, Conn.
Klemm & Co. (Oil), 132 N 5th, Phila., Pa.
Rochester Head Light Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
Safety Car Heating & Lighting Co., 2 Rector, New York
Smith, Chas. G., 352 Pearl, New York
Star Headlight Co. (Oil), Rochester, N. Y.

*Lamps (Carbon Filaments)

WESTINGHOUSE LAMP CO., Bloomfield, N. J.

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Lamps (Carriage)

(See also Lamps, Automobile, Gas & Oil)

American Auto Brass Co., Columbus, O.
Atwood-Castle Co., Amesbury, Mass.
Brown, Jno. W., Mfg. Co., Columbus, O.
Carey & Co., 243 Race, Phila., Pa.
Corcoran Lamp Co., Cincinnati, O.
Cowles, C., & Co. (Inc.), New Haven, Conn.
English & Mersick Lamp & Foundry, New Haven, Conn.
Gray & Davis, Amesbury, Mass.
Ham, C. T., Mfg. Co., Rochester, N. Y.
Lockwood Co., Newark, N. J.
Richmond, Indiana, Mfg. Co., Richmond, Ind.
Rose Mfg. Co. ("Neverout"), 910 Arch, Phila., Pa.
Smith, Chas. G., 352 Pearl, New York
White Mfg. Co., Bridgeport, Conn.

Lamps (Contractors' Portable)

(See Contractors' Portable Light)

*Lamps (Derrick)

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. Index, end of book)

Lamps (Desk, Electric)

(See Lights, Desk Electric)

Lamps (Electric, Christmas Tree)

(See Lamps, Battery)

Lamps (Electric Inspection)

Match-less Light Co. (For Automobiles), Caxton bldg, Cleveland, O.

Lamps (Gasoline)

(See also Lamps, Arc Gasoline)

American Gas Machine Co., Albert Lea, Minn.
Best Light Co., Canton, O.
Boulevard Globe & Lamp Co., 88 Warren, New York
Brilliant Gas Lamp Co. ("Brilliant Halo"), 203 State, Chicago, Ill.
Ford Light Co., Salem, O.
Gloria Light Co., 11 N Curtis, Chicago, Ill.
Knight Light Co., 90 Illinois, Chicago, Ill.
Merkel, Herman, 511 Elm, St. Louis, Mo.
National Stamping & Electric Works, 153-159 S Jefferson, Chicago, Ill.
Peerless Kitchen Boiler & Supply Co. (Inc.) ("Peerless"), 40 Dearborn, Chicago, Ill.
Pitner Gasoline Lighting Co., 185 Lake, Chicago, Ill.
Royal Gas Light Co. ("Royal Gem"), 210 E Kinzie, Chicago, Ill.
Smith, Chas. G., 352 Pearl, New York
Standard-Gillett Light Co. ("Standard"), 930 N Halsted, Chicago, Ill.
Sun Vapor Street Light Co. (Incandescent), Canton, O.
Superior Mfg. Co. (Also Vapor), Ann Arbor, Mich.
Turner Brass Works (Vapor), Sycamore, Ill.

Lamps (Gauge)

(See Lamps, Locomotive Gauge)

Lamps (Gravity)

Ireland & Matthews Mfg. Co. (Gasoline), Detroit, Mich.
White Mfg. Co. ("Reliable" & "White Star"), 192 Michigan, Chicago

Lamps (Hand, Engineers' & Machinists')

Gray, Peter & Sons, 58 Union, Boston, Mass.
Knapp Mfg. Co., 20 Warren, New York
Hammer & Co. (Malleable Iron), Branford Conn
Tower & Lyon Co. (Malleable Iron), 95 Chambers, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. Index, end o. book)

Lamps (Hanging)

Bradley & Hubbard Mfg. Co., Meriden, Conn
Bristol Brass Co., Bristol, Conn.
Dressel Railway Lamp Works (For Office, Station, etc.), 3800 Park av, New York
Hammer & Co. ("Hammers" Malleable Iron) Branford, Conn
Tiffany Studios (Special Designs), 347 Madison, New York
Waterbury Brass Goods Corp'n, Waterbury, Conn.

Lamps (Hydro Carbon)

(See Lamps, Incandescent, Hydro-Carbon)

Lamps (Incandescent Electric)

American Elec. Lamp Co., 20 W 15th, New York
Anchor Lamp Co., 258 B'way, New York
Banner Electric Co., Youngstown, O.
Bay State Lamp Co., Danvers, Mass.
Boston Incandescent Lamp Co., Danvers, Mass.
Brilliant Electric Co., Cleveland, O.
Bryan-Marsh Co. ("Imperial"), 1 Madison av New York
Buckeye Electric Co., Cleveland, O.
Capitol Electric Co. ("Hall"), Denver, Col.
Colonial Electric Co. ("Colonial"), Warren, O.
Columbia Incandescent Lamp Co., St. Louis, Mo.
Consolidated Electric Lamp Co. ("Champion"), Danvers, Mass
Doubleday-Hill Electric Co., Pittsburg, Pa.
Downward Light Electric Co., 225 5th av, New York
Economical Electric Lamp Co., 25 W B'way, New York
Edison Lamp Dep't ("Edison," "Lowatt"), Harrison, N. J.
Efandem Co. ("Sirius Colloid"), 201 E 10th New York
Fort Wayne Electric Works, Fort Wayne, Ind.
Fostoria Incandescent Lamp Co. ("Duplex"), Fostoria, O
Franklin Electric Mfg. Co. ("Ferneo," "Novi") Hartford, Conn
GENERAL ELECTRIC CO. ("Edison," "Lowatt"), Schenectady, N. Y., & 30 Church, New York. (See adv. Index & branch offices, end of book)
General Incandescent Lamp Co., Cleveland, O.
Gilmore Electric Co. ("Twilight"), Boston, Mass.
Holscher Elec. Mfg. Co. ("Model"), Warren, Ohio
In-Er Globe Lamp Co. (Reflector), Boston, Mass.
Kentucky Electrical Co. (Inc.) ("The Kentucky"), Owensboro, Ky.
Liberty Electric Mfg. Co., Pittsburg, Pa.
Mollue Incandescent Lamp Co. ("Moline"), Moline, Ill.
Monarch Electric Mfg. Co., Warren, O.
Munder Electric Co. ("M-E-W"), Springfield, Mass.
National Electric Lamp Co., Cleveland, O.
New York & Ohio Co. ("Packard," "Packard Mogul"), Warren, O.
Novelty Incandescent Lamp Co. ("Elk"), Emporium, Pa.
O'Brien Elec. Light Co., 1701 Market, Phila., Pa.
Rooney Electric Lamp Co. ("Sun-Star," Regulating), 155 E 23d, New York
Rooney, F. J. Lamp Co., World bldg, New York
Shelby Electric Co., Shelby, O.
Sterling Electrical Mfg. Co., Warren, O.
Sunbeam Incandescent Lamp Co., 259 S Clinton, Chicago, Ill.
Warren Electric & Specialty Co. ("The Peerless"), Warren, Ohio
Western Electric Co. ("Sunbeam"), 209 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & Mf'g. Co., Union Bank bldg, Pittsburg, Pa. (See adv. Index & branch offices, end of book)
WESTINGHOUSE LAMP CO. ("Lumine"), Bloomfield, N. J.

Lamps (Incandescent Electric, Car)

Banner Electric Co., Youngstown, O.
Bryan-Marsh Co., 1 Madison av, New York
Franklin Electric Mfg. Co. (The Fenco), Hartford, Conn.
Sterling Electrical Mfg. Co., Warren, O.

Lamps (Incandescent Gas)

(See also Lamps, Arc Gas)

American Incandescent Lamp Co., 26 Cortlandt, New York, & Girard Trust bldg, Phila., Pa.
Automatic Incandescent Light Co., Northboro, Mass., & Phila. Bourse, Phila., Pa.
Best Light Co., Canton, Ohio
Columbia Incandescent Lamp Co., Real Estate Trust bldg, Phila., Pa.
Cosmopolitan Co. ("Cosmo"), Kansas City, Kans.
Economical Electric Lamp Co. ("Turndown"), 25 W B'way, New York
Hamilton Mfg. Co., 8 Union, Pittsburg, Pa.
Kentucky Electrical Co., Inc., Owensboro, Ky.
Keras Incandescent Co., 81 Washburn, Boston.
Kern Burner Co., 88 Warren, New York Mass.
Kitson Hydro Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa.
Leolen Mfg. Co., Philadelphia Bourse, Philadelphia, Pa.
Liberty Gas Light Co., 1334 N High, Columbus, O.
Peerless Light Co. ("Peerless" Inverted & Upright), Chicago, Ill.

GENERAL ELECTRIC COMPANY

EDISON INCANDESCENT LAMPS

Are the best incandescent lamps made. The fact that over 60,000,000 are sold every year proves it.

GEM, TUNGSTEN AND TANTALUM FILAMENT LAMPS

Afford a most attractive form of illumination and are suitable for all classes of interior lighting service. These lamps are simple and safe, low in cost and high in efficiency, flexible and adaptable, and their uniform light is both brilliant and soft.

MAIN LAMP SALES OFFICE: HARRISON, N. J. **Sales offices in all large cities.**

For Great Britian and Ireland: THE BRITISH THOMSON-HOUSTON CO., Ltd., Rugby and 83 Cannon St., London, E. C.

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Ramsdell Inverted Gas Lamp Co. ("Ramsdell" Inverted), 530 B'way, New York
Turner Brass Works, Franklin c Michigan, Chicago, Ill
Wederhold Light Co., 70 Cortlandt, New York
Welsbach Co., 922 Chestnut, Phila., Pa.
Welsbach Gas Lamp Co., 78 Bowery, New York

Lamps (Incandescent Gasoline)

(See also Lamps, Arc Gasoline)

Akron Gas Lamp Co., Akron, O.
Best Light Co., Canton, O.
Kitson Hydro Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa
National Light, Heat & Power Co., 302 W Lake, Chicago, Ill.
Peerless Kitchen Boiler & Supply Co. (Inc.) ("Peerless"), 40 Dearborn, Chicago, Ill
Pitner Gasoline Lamp Co., 185 Lake, Chicago, Ill.
Royal Gas Light Co. ("Royal Gem"), 210 E Kinzie, Chicago, Ill
Sun Vapor Street Light Co., Canton, O.
Turner Brass Works, Sycamore, Ill.

Lamps (Incandescent, Hydro Carbon)

Kitson Hydro Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa
Superior Mfg. Co., Ann Arbor, Mich.
Williams Incandescent Light Co. (Williams-operated with Kerosene Oil), 3421 Haverford av, Phila., Pa.

Lamps (Incandescent, Kerosene)

Kitson Hydro Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa.
Ober, Thos. K. & Co. ("Keros"), Drexel bldg. Phila., Pa.

Lamps (Incandescent Miniature)

American Endoscopic Co., Providence, R. I.
Boehm, H., & Co., Youngstown, O.
Brilliant Electric Co., Cleveland, O.
Brooklyn Electric Lamp & Novelty Co., 278 Fulton, Brooklyn, N. Y.
Bryan-Marsh Co., 1 Madison av, New York
Kiblight Co. of America (Special Decorative), 36 E 23d, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gilmore Electric Co., Boston, Mass.
Green & Bauer, Hartford, Conn.
Howard Miniature Lamp Co., Newark, N. J.
Jaeger Miniature Lamp Mfg. Co. ("Jaeger"), Bible House, New York
McCandless, H. W. & Co. ("Empire"), 67 Park pl, New York
Novelty Inc. Lamp Co., Emporium, Pa.
Rooney Electric Lamp Co., 155 E 23d, New York
Rooney, F. J. Lamp Co., World bldg., New York
Tipless Lamp Co., 256 W 23d, New York
Vosburgh Miniature Lamp Co., Jersey City, N. J.
Warren Electric & Specialty Co., Warren, O.
Westbury Lamp Co., Newark, N. J.
Wolff, Alfred & Co. (Importers), 45 Vesey, New York

Lamps (Incandescent Portable Electric)

Vote-Berger Co. ("Badger" Adjustable), La Crosse, Wis.

Lamps (Incandescent Renewed)

Anchor Lamp Co., 258 B'way, New York
Bay State Lamp Co., Danvers, Mass.
Boston Incandescent Lamp Co. ("Boston"), Danvers, Mass.
Consolidated Electric Lamp Co. ("Pioneer," "Standard"), Danvers, Mass.
Eagle Lamp Co., Danvers, Mass.
Economy Electric Co. ("Economy" "Bright"), Warren, O.
Hill-Wright Electric Co., 105 Reade, New York
Holscher Elec. Mfg. Co. ("Reliance"), Warren, Ohio
Novelty Incandescent Lamp Co. ("Excel"), Emporium, Pa.
Philadelphia El. Equipment Co., 23 S 10th. Phila., Pa.
Phoenix Electric Co., Warren, O. Phila., Pa.
Re-New Lamp Co., Boston, Mass.
Safety Electric Co., 351 Michigan av, Chicago Ill.
Standard Electric Lamp Co., Newark, N. J.
Sterling Electrical Mfg. Co., Warren, O.

Lamps (Incandescent Street Series)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gilmore Electric Co., 625 E 1st, Boston, Mass.

Lamps (Incandescent Vapor Gas)

Best Light Co., Canton, O.
Canton Incandescent Light Co., Canton, O.
Chicago Solar Light Co. ("Nulite"), 21 River, Chicago, Ill.
Cleveland Vapor Light Co., Cleveland, O.
Diamond Light Co., Canton, O.
Economical Electric Lamp Co., 25 W B'way, New York
Kitson Hydro Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa.
Sun Vapor Street Light Co., Canton, O.
Superior Mfg. Co., Ann Arbor, Mich.

Lamps (Inverted Gasoline)

National Light, Heat & Power Co. ("New Century"), 302 W Lake, Chicago, Ill.

Lamps (Locomotive Gauge)

Dressel Railway Lamp Works (For Steam or Water Gauge), 3860 Park av, New York
Gray, Peter & Sons (Locomotive, Water, Steam Gauge, etc.), 88 Union, Boston, Mass
Ham, C. T. Mfg. Co., Rochester, N. Y.
Knapp Mfg. Co. (Steam or Water), 20 Warren New York
WILSON, F. CORTEZ & CO., 230 Lake, Chicago, Ill. (See adv. index, end of book)

Lamps (Marine, Oil)

(See also Lamps, Automobile; also Projectors or Searchlights)

American Lamp Co., Detroit, Mich.
Badger Brass Mfg. Co. ("Solar"), Kenosha, Mich
Bradley & Hubbard Mfg. Co. (Cabin), Meriden, Conn.
Dietz, R. E. Co. ("Paragon"), 60 Laight, New York
Dressel Railway Lamp Works (Revolving Deck Caboose), 3860 Park av, New York
Du Bois Searchlight Co., 220 B'way, New York
Edmonds & Jones Mfg. Co. ("E. & J."), Detroit, Mich
Gray, Peter & Sons, Detroit, Mich.
Miller, Edw. & Co. (Cabin), Meriden, Conn.
Page Bros. & Co. (Cabin & Signal), 347 Cambridge, Boston, Mass
Porter's, Wm. Sons Co. (Cabin & Signal), 2 Vandewater, New York
Rose Mfg. Co. ("Neverout"), 910 Arch, Phila., Pa
Rushmore Dynamo Works ("Rushmore"), Plainfield, N. J
Russell & Stoll Co. (Cabin & Signal), 48 Cliff New York
Russell & Watson (Signal), Buffalo, N. Y.
Scoville & Peck, 15 Wooster, New Haven, Conn
Standard Lamp & Mfg. Co. ("Standard"), 43 S Canal, Chicago, Ill
Twentieth Century Mfg. Co. ("Twentieth Century"), 19 Warren, New York

*Lamps (Mercury Vapor)

COOPER-HEWITT ELECTRIC CO., 220 W 29th, New York

*Lamps (Metallized-Filament)

WESTINGHOUSE LAMP CO., Bloomfield, N. J.

Lamps (Mine, Acetylene)

Autolyte Mfg. Co., 24 Warren, New York
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Lamps (Miners' Safety)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anton, Christopher L., Monongahela, Pa.
Anton, Geo. & Bro. ("Star," "Globe," "Eagle"), Monongahela, Pa.
Anton, John & Son, Monongahela, Pa.
Everhart Brass Works, Scranton, Pa.
Fidelity International Agency, 621 B'way, New York
Hardsocg, Martin Co., Allegheny, Pa.
Hughes Bros., Scranton, Pa.
Hunt, Alex. E. ("Hunt's" for Kerosene or Whale Oil), Scranton, Pa.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 189 Chambers, New York. (See adv. index, end of book)
Luzerne Cap Co. ("Black Diamond"), Wilkes-Barre, Pa.
Portable Electric Safety Light Co. ("Hubbell" Electric Safety), 37 N. J. R. R. av, Newark, N. J.
Republic Metalware Co., Buffalo, N. Y., & 21 Cliff, New York

Lamps (Motor)

(See Lamps, Automobile, Gas & Oil)

*Lamps ("Nernst")

NERNST LAMP CO., Fayette & Garrison pl, Pittsburg, Pa.

Lamps (Orchestra)

McLeod, Ward & Co., 27 Thames, New York

Lamps (Photo Engraving)

(See Lamps, Arc, Photo-Engraving)

Lamps (Pocket, Electric)

(See Flashlights, Electric Lamps & Lanterns)

Lamps (Portable Table)

(See Lamps, Table)

Lamps (Railway)

Adams & Westlake Co., Ontario c. N. Franklin, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Dayton Mfg. Co., Dayton, O.
Dewey, F. O. Co., 28 Canal, Boston, Mass.
Dietz, R. E. Co. (Track Walkers, Car Inspectors, Conductors, etc), 60 Laight, New York
Dressel Railway Lamp Works, 3860 Park av, New York
Gray, Peter & Sons (Conductors' Signal, Switch Tail, etc.), 88 Union, Boston, Mass.
Handlan-Buck Mfg. Co. ("Blizzard" "Engine" & "Utility Tail"), 212 N 3d, St. Louis, Mo.
Ohio Lantern Co. ("Baron"), Tiffin, O.
Sherburne & Co., 53 Oliver, Boston, Mass.
Smith, Chas. G., 352 Pearl, New York
Star Headlight Co., Rochester, N. Y.

Lamps (Semaphore Signal)

Adams & Westlake, Ontario c. N. Franklin, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dressel Railway Lamp Wks. (Steel & Tinned), 3860 Park av, New York
Star Headlight Co., Rochester, N. Y.

*Lamps (Shop Lighting)

COOPER-HEWITT CO., 220 W. 29th, New York

Lamps (Signal)

Adams & Westlake Co., Ontario & N Franklin, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Works (Automatic Engine & "Herculean," "Fassett" & Electric Route, etc.), 3860 Park av, New York
Dodson Signal Lamp & Lantern Co., Scranton, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

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Handlan-Buck Mfg. Co. ("Wells," also Engine & Tall), 212 N. 3d, St. Louis, Mo.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 8th & Willow sts, Phila., Pa.
Mahoney, Dan'l & Sons, 17 Main, Buffalo, N. Y.
Manning Signal Lamp Co., Des Moines, Ia.
Rochester Head Light Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
Smith, Chas. G., 352 Pearl, New York
Star Headlight Co., Rochester, N. Y.

Lamps (Station)

Armspear Mfg. Co., 447 W 53d, New York
Boesch Lamp Co., 585 Mission, San Francisco, Cal.
Dressed Railway Lamp Works, 3860 Park av, New York
Gray, Peter, 12 Marshall, Boston, Mass.
Ham, C. T. Mfg. Co., Rochester, N. Y.
Pritchard-Strong Co., Rochester, N. Y.
Rochester Lamp Co., 38 Park pl, New York
Smith, Chas. G., 352 Pearl, New York

Lamps (Street)

Automatic Incandescent Light Co. ("Auto Arc"), Northboro, Mass.
BERGER MFG. CO., Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Best Light Co., Canton, O.
Chicago Solar Light Co., 81 5th av, Chicago.
Dietz, R. E. Co., 60 Laight, New York
Dressel Railway Lamp Works (Gas or Oil), 3860 Park av, New York
Gaumer, John L., Co., 22d & Wood, Phila., Pa.
Globe Gas Light Co., 79 Union, Boston, Mass.
Globe Light & Heat Co., 218 La Salle, Chicago, Ill.
Ham, C. T., Mfg. Co., 731 Oak, Rochester, New York
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 1224 Callowhill, Phila., Pa.
Miner, Thos. T. W. ("The Miner"), 823 Eagle av, New York
Penna. Globe Gas Light Co., Broad & Arch, Philadelphia, Pa.
Pritchard-Strong Co., Rochester, N. Y.
Wheeler Reflector Co., 156 Pearl, Boston, Mass
White Mfg. Co. ("White Star"), 192 Michigan, Chicago, Ill.

Lamps (Switch)

Adams & Westlake Co., Ontario c. N Franklin, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dayton Mfg. Co., Dayton, O.
Dewey, F. O., Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Wks. (Steel & Tinned), 3860 Park av, New York
Gray, Peter, 12 Marshall, Boston, Mass.
Handlan-Buck Mfg. Co. ("Prahm," Target, etc.), 212 N 3d, St. Louis, Mo.
Star Headlight Co., Rochester, N. Y.

Lamps (Table)

Bradley & Hubbard Mfg. Co., Meriden, Conn.
Dressel Railway Lamp Works ("Belgian" Stand for Desk or Titcket Office), 3860 Park av, New York
Gall-Webb Mfg. Co. (Adjustable, Portable), Buffalo, N. Y.
Goodwin & Kintz Co., Winsted, Conn.
Miller, Edw. & Co., Meriden, Conn.
National Brass & Iron Works, Reading, Pa.
Pairpoint Corporation, New Bedford, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn., New York & Chicago
Salo Art Metal Co. (Portable, Gas & Electric), 19 Collier, Binghamton, N. Y.
Standard Oil Co. ("Rayo" Oil), 555 W 25th, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of
Walton, Jas., & Co., Phoenicia, N. Y. book)
Wheeler, M. B. Electric Co., Grand Rapids Mich
White Mfg. Co., 192 Michigan, Chicago, Ill.
Wilson, F., Cortez & Co., 239 Lake, Chicago
Wreisner Bros., Dassel, Minn.
Yancey Generator Co., Chartres, New Orleans, La

Lamps (Tantalum)

Brilliant Electric Co., Cleveland, O.
Buckeye Electric Co., Cleveland, O.
Columbia Incandescent Lamp Co., St. Louis, Mo.
Franklin Electric Mfg. Co., Hartford, Conn.
GENERAL ELECTRIC CO. ("Meridian," Tantalum), Schnectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
National Electric Lamp Co., Cleveland, O.
WESTINGHOUSE LAMP CO., Bloomfield, N. J.

Lamps (Torch)

(See Torches, Hand)

Lamps (Tungsten)

Brilliant Electric Co., Cleveland, O.
Buckeye Electric Co., Cleveland, O.
Columbia Incandescent Lamp Co., St. Louis, Mo.
Electrical Accessories Co. ("Just," Imported), 1133 B'way, New York
Fostoria Incandescent Lamp Co., Fostoria, O.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Shelby Electric Co., Shelby, O.
Sterling Electrical Mfg. Co., Warren, O.
Sunbean Incandescent Lamp Co., 32 W Polk, Chicago, Ill.
Warren Elec. & Specialty Co., Warren, O.
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lamps (Vapor)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hewitt, Cooper Electric Co., 220 W 29th, New York
Moore Electrical Co., Newark, N. J.

Lanterns (Artistic Wrought)

(See Lanterns, Artistic Wrought & Bronze; also Gas Fixtures, Wrought Iron)

Lanterns (Artistic Wrought & Bronze)

FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 20 E 17th (Union sq.), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Perelson, L., 204 Centre, New York
PITT, WM. R. COMPOSITE IRON Works, 136 W 24th, New York. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
WINSLOW BROS. COMPANY, Main Office & Works, 2315 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Lanterns (Bicycle)

Bridgeport Brass Co. ("Search-Light" Oil & Gas), Bridgeport, Conn.
Miller, Edw. & Co., Meriden, Conn.

*Lanterns (Candle)

WILSON, F. CORTEZ, & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Lanterns (Dash Board)

Ohio Lantern Co. ("Baron," Hood Reflector, etc.), Tiffin, O.
Pritchard-Strong Co., Rochester, N. Y.

Lanterns (Police)

Knapp Mfg. Co. ("Bull's Eye"), 20 Warren, New York
Tower & Lyon Co., 95 Chambers, New York

Lanterns (Railway)

Adams & Westlake Co., Ontario & N Franklin, Chicago, Ill.
American Railway Supply Co., 24 Park pl, New York
Armspear Mfg. Co. (Wire & Steel Guard), 447 W 53d, New York
BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Boesch Lamp Co., 585 Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Delphos Mfg. Co. ("Standard," Self Lighting), Delphos, O.
Dewey, F. O. Co., 28 Canal, Boston, Mass.
Dietz, R. E. Co. (Hand), 60 Laight, New York
Dressel Railway Lamp Works, 3860 Park av., New York
Glens Falls Lantern Co., Glens Falls, N. Y.
Gray, Peter & Sons (Conductors, Signal, Switch Tail, etc.), 88 Union, Boston Mass.
Ham, C. T. Mfg. Co., Rochester, N. Y.
Handlan, Buck Mfg. Co., 212 N 3d, St. Louis, Mo.
Keystone Lantern Co., 5033 Portico, Gtn., Philadelphia, Pa.
Loeffelholz Co., 170 Clinton, Milwaukee, Wis.
Ohio Lantern Co. ("Baron"), Tiffin, O.
Pritchard-Strong Co., Rochester, N. Y.
Rochester Head Light Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
Smith, Chas. G., 352 Pearl, New York
Stillman Safety Lamp & Heater Co. ("Stillman," Safety), 95 William, New York
Star Headlight Co., Rochester, N. Y.
Tufts, Nah'l Meter Co., Boston, Mass.
Union Supply Co. ("Tracy's Strong Light"), St. Louis, Mo.
Wheeler Reflector Co., 156 Pearl, Boston, Mass.
Zelnicker, Walter A. Supply Co., St. Louis, Mo.

Lanterns (Tubular)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Buhl Stamping Co., Detroit, Mich.
Dietz, R. E. Co. (Hand), 60 Laight, New York
Ham, C. T. Mfg. Co. (Hot & Cold Blast), Rochester, N. Y.
Hurwood Mfg. Co. ("Hurwood"), Bridgeport, Conn.
Ohio Lantern Co. ("Baron"), Tiffin, O.
Pritchard-Strong Co. ("Prisco" Tin, Cold Blast & Hot Blast Dash), Rochester, N. Y.
Wheeling Stamping Co., Wheeling, W. Va.
Winfield Mfg. Co., Warren, O.

*Lariats

SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)

Larries

Alliance Machine Co., Alliance, Ohio
Anderson, W. H. Tool & Supply Co. (For Stone & Timber), 14 Macomb, Detroit, Mich.
Connellsville Machine & Car Co., Connellsville, Pa.
Helmick Foundry & Machine Co. (Coke Oven Charging), Fairmont, W. Va.
JEFFREY MFG. CO. (Coke Ovens), Columbus, O. (See adv. index & branch offices, end of book)
Niles Mine & Mill Supply Co., Cleveland, O., & Niles, O.
Phillips, Hine & Hill Supply Co. (Coke Ovens), Pittsburg, Pa.
Scottdale Fdry. & Mach. Co. (Electric Coal & Coke Oven Charging), Scottdale, Pa.
Youngstown Car Mfg. Co., Youngstown, O.

Latches (Barn Door)

Albany Hardware Specialty Mfg. Co. ("Whitcomb"), Albany, Wis.
Allith Mfg. Co. ("Allith"), W. Taylor c S 43d av, Chicago, Ill.
Arcade Mfg. Co. ("Rex"), Freeport, Ill.
Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Cronk & Carrier Mfg. Co. (Steel), Elmira, N. Y.
Hunt, Helm, Ferris & Co. ("Harvard" & "Star" Automatic), Harvard, Ill.

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BOSTWICK "TRUSS LOOP" LATH

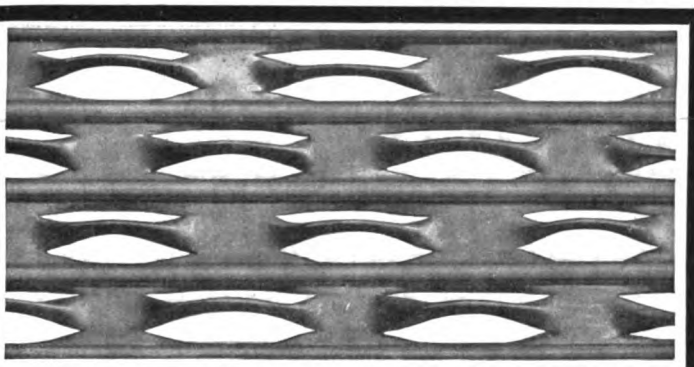
AN EVOLUTION WORTH WHILE

THE BEST ON THE WORLD'S MARKET

(PATENT APPLIED FOR)

THE ONLY METAL LATH FOR STUDDING 16 INCHES ON CENTERS

STAND ON THE LOOPS THEY CAN'T BEND

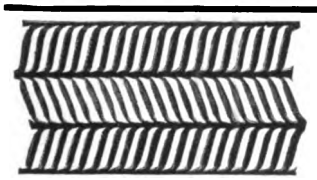


THE CLINCH OR TIE ? BEST EVER !

MADE IN THE SAME SIZES AS THE

"OLD RELIABLE BOSTWICK" WHICH WE STILL MANUFACTURE.

THE BOSTWICK STEEL LATH CO., Niles, Ohio, U.S.A.



"Herringbone" Metal Lath

Largest Manufacturers in the world of **METAL LATH**

WE ALSO MAKE { KEY Expanded Metal Lath (Diamond Mesh)
GENFIRE Expanded Metal Lath " "
BOSTON Sheet Steel Lath

KINDRED MATERIALS: NATIONAL STEEL CORNER BEAD, UNIVERSAL CORNER BEAD, STAPLES, TIE WIRE, ETC.

"DOUBLE CRIMP" WALL TIES

THE GENERAL FIREPROOFING COMPANY

For Branch Office Addresses, See Advertisers' Index, End of Book.

YOUNGSTOWN, OHIO

Concrete Reinforcement, See Adv. Opposite Page 431. "Allsteel" Bank, Library and Public Building Equipment, See Adv. Opposite Page 49. Office Furniture and Filing Devices Made of Steel, See Adv. Page 804. Send for Catalogues.

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¶ We maintain a Bureau of Information for the free use of Architects and Engineers and all who promote the interests of this publication by either advertisement or subscription and we are prepared at all times to furnish our patrons with the most reliable information about any particular kind of material, machine, tool or specialty which they may require. :: :: :: :: ::

Hendricks' Commercial Register

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Lyons Specialty Co. ("Petersen"), Lyons, Ia.
National Mfg. Co., Sterling, Ill.
Peck, C. A., Hardware Mfg. Co. ("Gem"), Berlin, Wis.
Peck-Hamre Mfg. Co. ("Jewell"), Berlin, Wis
Penn Hardware Co., Reading, Pa.
Porter, J. E., Co., Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Richards Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Safety Door Hanger Co., Ashland, O.
Stover Mfg. Co., Freeport, Ill.
Wagner Mfg Co. ("Daisy"), Cedar Falls, Ia.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index and branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.
Wrightsville Hdw. Co. (Wrought), Wrightsville, Pa.

Latches (Cupboard)

Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Western Brass Mfg. Works, 21st and Rockwell, Chicago, Ill.

Latches (Fire Door)

Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.
Richards Mfg. Co., Aurora, Ill.
Slaymaker, S. R., Lancaster, Pa.
Stover Mfg. Co., Freeport, Ill.
Wilcox Mfg. Co. (Steel), Aurora, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

Latches (Gate)

Brewer Bros. (Wrought, with Catch & Staple), 614 Filbert, Phila., Pa.
Clark Mfg. Co. (Animal Proof), Buffalo, N. Y.
Climax, J. H. W., Co., 275 Passaic, Newark, N. J.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Kupferle, Jno. C., 2d & Mound, St. Louis, Mo.
Penn Hardware Co. Reading Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Brass Mfg. Works (Reversible Office, etc.), 21st & Rockwell, Chicago, Ill.
Wilcox Mfg. Co. ("Wilcox-Ericson" Steel), Aurora, Ill.
Wrightsville Hardware Co. ("Shepard's" "St Louis" Pattern, etc.), Wrightsville, Pa
Yale & Towne Mfg. Co., 9 Murray, New York

Latches (Night)

Bohannan, Wilson, 760 Lexington, B'klyn, N. Y.
Climax, J. H. W., 275 Passaic, Newark, N. J.
Eagle Lock Co., Terryville, Conn., & 98 Chambers, New York
Dayton Supply Co. (Non-Pickable), Dayton, O.
Fraim, E. T., Lock Co., Lancaster, Pa.
Miller, J. Walter, Lancaster, Pa.
J[illegible] Reading, Pa.
Romer & Co., 275 Passaic, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Slaymaker, S. R., Lancaster, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Latches (Refrigerator)

Arcade Mfg. Co. (& "Star" Ice Box Latches), Freeport, Ill.
Western Brass Mfg. Works (Brass, Bronze & Malleable Iron Japanned), 21st & Rockwell Chicago, Ill.

Latches (Shutter)

Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.

Latches (Sliding Door)

(See Locks & Latches, Sliding Door)

Latches (Spring)

Hardware Supply Co. (Small), Grand Rapids, Mich.

Latches (Thumb)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Penn Hardware Co., Reading, Pa.
Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Wrightsville Hardware Co., Wrightsville, Pa.

Latches (Water Closet)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Lath Binders & Trimmers

American Sawmill Machinery Co. (Combined), 50 Church, New York. Works: Hackettstown, N. J.
Butterworth & Lowe (Inc.) (Combined), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works, Minneapolis, Minn.
Garland, M. & Co., Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1917 N. B'way, St. Louis, Mo.
Hill, Wm. E. & Co., Kalamazoo, Mich.
Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works, Greene, N. Y.
Mitts & Merrill, Saginaw, Mich.
Murray, D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co. ("Combined"), Eau Claire, Wis.
Standard Saw Mill Machinery Co., Erie, Pa.
Wickes Bros., Saginaw, Mich.

Lath Bolters

(See Lath Mills & Bolters)

Lath (Expanded Metal)

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
BOSTWICK STEEL LATH CO., Niles, O. (See adv. index, end of book)
Consolidated Expanded Metal Co.'s, Keenan bldg, Pittsburg, Pa.
Corrugated Bar Co., National Bank of Commerce bldg, St. Louis, Mo.
Eastern Expanded Metal Co., 101 Tremont, Boston, Mass.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Expanded Metal Engineering Co., 225 5th av., New York
Expanded Metal Fireproofing Co. of Pittsburg, Keenan bldg, Pittsburg, Pa.
Garry Iron & Steel Co. ("Cleveland"), Cleveland, O.
GENERAL FIREPROOFING CO., Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO. ("Milwaukee Diamond"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Northwestern Expanded Metal Co. ("Kno-Burn"), Old Colony bldg, Chicago, Ill.
ROEBLING CONSTRUCTION CO., Fuller bldg, New York. (See adv. index & branch offices, end of book)
Southern Expanded Metal Co., Washington, D. C.
Sykes Metal Lath & Roofing Co., Niles, O.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
Western Expanded Metal & Fireproofing Co., San Francisco, Cal.
Youngstown Iron & Steel Roofing Co. ("T. & C."), Youngstown, O.

Lath Fasteners (Metallic)

Star Stud & Lath Tool Co. ("Star"), Indianapolis, Ind.

Lath (Metal)

(See also Lath, Expanded Metal)

AMERICAN CONCRETE CO., (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
American Rolling Mill Co., Middletown, O.
American Sheet & Tin Plate Co., Frick bldg, Pittsburg, Pa.
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
BOSTWICK STEEL LATH CO., Niles, Ohio. (See adv. index, end of book)
Corrugated Bar Co., National Bank of Commerce bldg, St. Louis, Mo.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)

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GENERAL FIREPROOFING CO. (Herringbone), Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)
Hayes, Geo. Co., 71 8th av, New York
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Meurer Bros. Co., 575 Flushing av, Brooklyn N. Y.
Mowbray, Pearson Co., 132-134 International Right of Way, Spokane, Wash
Penn Metal Ceiling & Roofing Co. ("American" & "Penn"), 23d & Hamilton, Phila., Pa.
Schratwieser Fire-Proof Construction Co., 42 3d av, Brooklyn, N. Y
Sykes Metal Lath & Roofing Co., Niles, O.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
TRUSS METAL LATH COMPANY ("Kuhne's"), 147 4th av, New York. (See adv. index, end of book)
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Iron & Steel Roofing Co. ("T. & C"), Youngstown, O.

Lath Mills & Bolters

Abbott, D. S., Co. (Combined Gang), Olean, N. Y.
Adams, S. & Son, Rome, N. Y.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co. ("American") 50 Church, New York. Works: Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y., & West st bldg, New York
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Butterworth & Lowe, (Inc.), (Combination), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works, Minneapolis, Minn.
Filer & Stowell Co., Home office, Milwaukee.
Frank Machinery Co., Buffalo, N. Y. Wis.
Garland, M., Co., Bay City, Mich.
Hall & Brown Woodworking & Machine Co., 1017 N B'way, St. Louis, Mo
Hill, Wm. E., & Co., Kalamazoo, Mich.
Howell, R. R., & Co., Minneapolis, Minn.
Kline, Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, Ohio
Lane Mfg. Co. (Combination), Montpelier, Vt
Lyon Iron Works (Gang), Greene, N. Y.
Mitts & Merrill (Combination), Saginaw, Mich.
Moltz, Jacob J. (Combined), Williamsport, Pa.
Murray, D. J., Mfg. Co., Wausau, Wis.
Newman Machine Co., Greensboro, N. C.
Novelty Iron Works (G. E. Davis, Prop.), Dubuque, Ia.
Phoenix Mfg. Co., Eau Claire, Wis.
Rodgers Iron Mfg. Co., Muskegon, Mich.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Smith, Myers & Schnier Co., 621 W Front, Cincinnati, O.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
United States Machine Co. (Combined or Separate), Williamsport, Pa.
Wheland Machine Works (Combined), Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Lath (Wire)

Buffalo Wire Works Co., 316 Terrace, Buffalo N. Y.
Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 540 Howard, Detroit, Mich. (See adv. index end of book)
National Mfg. Co., Worcester, Mass.
ROEBLING CONSTRUCTION CO., Fuller bldg, B'way & 23d, New York. (See adv. index & branch offices, end of book)
SMITH, F. P. WIRE & IRON W'KS 100 Lake, Chicago, Ill. (See adv. index end of book
TYLER, W. S. CO., Cleveland, O. & 11 B'way, New York. (See adv. index & branch offices, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Lath & Picket Mills

Abbott, D. S. Co., Olean, N. Y.
Adams, S. & Son, Rome, N. Y.
American Woodworking Machine Co., Rochester, N. Y., & 136 Liberty, New York
Butterworth & Lowe, Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Filer & Stowell Mfg. Co., Milwaukee, Wis.
Frank Machinery Co., 50 Mechanic, Buffalo, N.Y
Garland, M. & Co., Bay City, Mich.
Hill, W. E. & Co., Kalamazoo, Mich.
Howell, R. R. & Co., Minneapolis, Me.
Kline, Lewis T., Alpena, Mich.
Lane Mfg. Co., Montpelier, Vt.
Mitts & Merrill, Saginaw, Mich.
Murray, D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Power, L. & Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Smith, Myers & Schnier Co., 621 W Front, Cincinnati, O.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.

Lathe & Saw

Millers Falls Co. ("Champion," "Goodell"), 28 Warren, New York; Works: Millers Falls, Mass.

Lathes (Axe Handle)

(See Lathes, Handle Turning)

Lathes (Axle Turning)

Bridgeford Machine Tool Works (Single & Double Head), Rochester, N. Y.
Johnson, Israel H., Jr., Co. (Inc.), Phila., Pa.
Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), (Double Head), 1600 Hamilton, Philadelphia, Pa.
Spears & Riddle Co., Wheeling, W. Va.
Williams, White & Co. (For Wagon Companies), Moline, Ill.

Lathes (Ball Bat)

(See Ball Bat Machinery)

Lathes (Barrel)

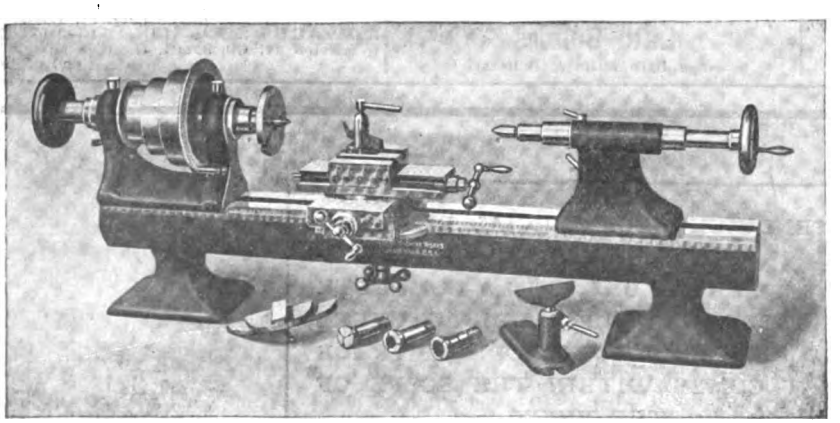
Strait, H. N. Mfg. Co., Kansas City, Mo.

Lathes (Bench)

American Watch Tool Co. ("Webster-Whitcomb" Lathes), Waltham, Mass
Ames, B. C. & Co., Waltham, Mass.
Carroll-Jamieson Machine Tool Co., Batavia, O.
Cataract Tool & Optical Co., Buffalo, N. Y.
Davis, W. P. Machine Co., Rochester, N. Y.
Diamond Machine Co., Providence, R. I.
Faneuil Watch Tool Co., 1 Brooks, Br., Boston, Mass.
Garvin Machine Co., 137 Varick, New York
Gump, A. W. & Co., Dayton, O.
Hardinge Bros. ("Cataract" Precision), 1036 Lincoln av, Chicago, Ill.
Massachusetts Tool Co., Greenfield, Mass.
Moseley Lathe Co., Elgin, Ill.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Reed, F. E. Co., Worcester, Mass.
Rivett Lathe Mfg. Co., Brighton, Boston, Mass.
Seneca Falls Mfg. Co. ("Star"), Seneca Falls N. Y.
Sheldon, E. H., & Co., 84 N May, Chicago, Ill.
Sloan & Chace Mfg. Co. (Ltd.) (& Attachments), Newark, N. J.
STARK TOOL CO. ("Stark" Machinists"), Waltham, Mass. (See adv. index, end of book)
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
WALTHAM MACHINE WORKS (Precision), Waltham, Mass. (See adv. index, end of book)
Waltham Watch Tool Co. (Watchmakers), Springfield, Mass.
Welch, T. F. & Co., 55 Sudbury, Boston, Mass.

Lathes (Bobbin)

(See Spool & Bobbin Machinery)



=Precision= Bench Lathe

Will swing 8-inch diameter and take 5-8 inch through the chuck. Bed either 32 or 36 inches long. Has many attachments of improved design. Workmanship of the best watch machine standard.

We invite close inspection and comparison.

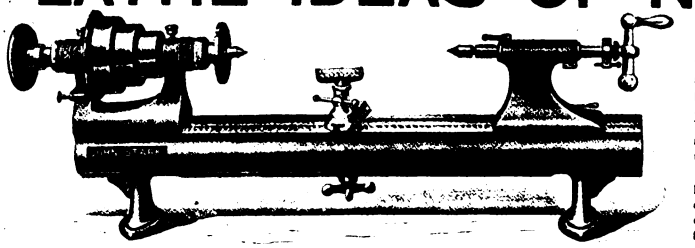
WALTHAM MACHINE WORKS

Also makers of Automatic Pinion and Gear Cutting Machines, Sub-Press Dies, Precision Bench Machinery, etc.

WALTHAM, MASS.

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LATHE IDEAS OF NOWADAY



No. 4 STARK PRECISION BENCH LATHE.

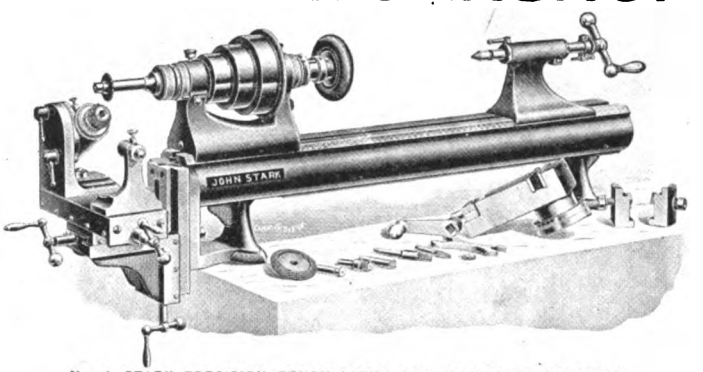
Length of bed 38', distance between centers 20'. Lathe swings 9" and chuck capacity for stock from 1-64" to ½" clear through. Equipped with Stark Patent Anti-Friction Draw-in Spindle and Anti-Friction Ball Bearing End Thrust, which takes the strain off the bearings and does away with the back geared arrangement.

The Spindles and bearings are made of steel, hardened and ground to perfection, having angles of 3 degrees and 45 degrees. This principle is of great importance and is one of the essential features of the Stark Bench Lathes.

ECONOMY IN THE WORKSHOP

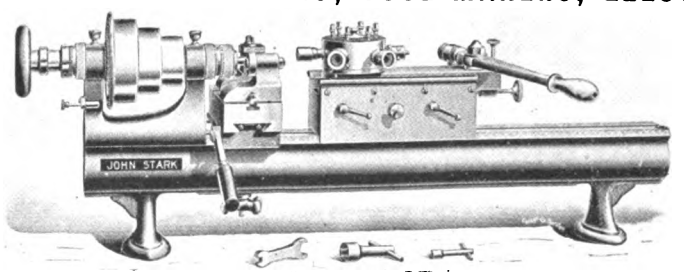
The Milling Attachment, is bolted to the angle iron which is cast with the bed, making it rigid and capable of accomplishing a large range of work. It has a lengthwise feed of 6', in and out feed 2½' and up and down 4¼', with distance between centers 6'. The height from bed to center is 3⅛'. This attachment takes the same chucks as are used in the lathe head.

We have demonstrated to the trade that spindles made with the taper bearings are more durable, last longer, and give better satisfaction than spindles made upon other principles.



No. 4 STARK PRECISION BENCH LATHE AND MILLING ATTACHMENT.

FOR ENGINEERS, TOOL MAKERS, ELECTRICIANS, ETC.



The Automatic Turret Head has six ½' port holes to receive mills, drills, taps and dies, built strong and rigid, all the bearings and port holes are bushed with hardened steel, taking the place of a screw machine.

The cutting off and forming is suited for a variety of irregular formed pieces. The cutters are turned to the forms required, and only have to be ground on the face when sharpened.

No. 4. STARK PRECISION BENCH LATHE WITH AUTOMATIC TURRET HEAD AND CUTTING-OFF AND FORMING REST.



No. 4 Wire Chuck, Capacity of chuck ¼'

FIVE YEARS AHEAD OF THEM ALL.

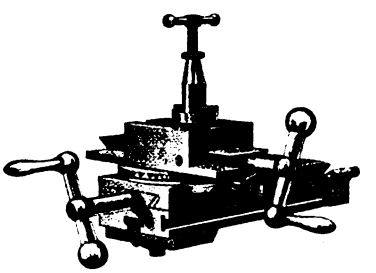
The nose of the spindle has a thread cut 10 pitch, which is hardened and ground to a perfect standard to receive Universal Chucks, and also a supporter for step chucks. This gives a greater advantage when using the Universal chuck as the work may pass clear through the spindle.

STARK TOOL CO.

MAKERS OF

PRECISION BENCH LATHES

WALTHAM, MASS., U. S. A.



COMPOUND SLIDE REST.

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HENDRICKS

FOR BUYERS AND SELLERS OF UNITED STATES

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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IT IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

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Lathes (Bolt & Stud)

Bradford Machine Tool Co., 671 Evans, Cincinnati, O.
Davis, W. P. Machine Co., Rochester, N. Y.
Johnson, Israel H., Jr., Co., Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Reed, F. E. Co. (14 & 16 inch swing), Worcester, Mass.

Lathes (Brass Finishers')

American Tool & Machinery Co., 109 Beach Boston, Mass.
American Tool Works Co., Cincinnati, O.
Barlows & Oliver, 1133 W. 9th, Cleveland, O.
Dreses Machine Tool Co., Cincinnati, O.
Johnson, Israel H., Jr., Co., 837 N 15th, Philadelphia, Pa.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
National Machine Co., Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Pryibil, P. (Estate of), 510 W 41st, New York
Springfield Machine Tool Co., Springfield, O.
Warner & Swasey Co., Cleveland, O.
Windsor Machine Co. (And Plain Monitors). Windsor, Vt.

Lathes (Broom Handle Turning)

(See Broom Handle Turning Machinery)

Lathes (Buffing & Polishing)

Ams, Max, Machine Co. (For Metals, Glass, etc.), Mt. Vernon, N. Y.
Bridgeport Safety Emery Wheel Co., Bridgeport Conn.
Buchanan, Thos. & Co., Cincinnati, Ohio
Buescher Band Instrument Co., Elkhart, Ind.
Builders' Iron Foundry, Providence, R. I.
Challenge Machine Co., 5116 Springfield av. Phila., Pa.
Chicago Wheel & Mfg. Co. ("Vulcan"), 836 W Monroe, Chicago, Ill.
Diamond Machine Co., Providence, R. I.
Evans, Jno. Sons, 506 N 13th, Phila., Pa.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Goodell-Pratt Co., Greenfield, Mass.
Hanson & Van Winkle, Newark, N. J.
Hibbard, Wm. H. Mfg. Co., 79 Wash'n, Brooklyn, N. Y.
Manning, Maxwell & Moore, 85 Liberty, New York
Northampton Emery Wheel Co., Leeds, Mass.
Oliver, W. W. Mfg. Co., Buffalo, N. Y.
Parkhurst Mfg. Co., Peru, Ind.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Pryibil, P. (Est. of), 512 W 41st, New York
Reichheim, E. P. & Co., 24 John, New York
Safety Emery Wheel Co., Springfield, Ohio
Springfield Mfg. Co., Bridgeport, Conn.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Waterbury-Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Webster & Perks Tool Co. (Self-Oiling), Springfield, O.
Zucker, Levett & Loeb Co., 516 W 25th, New York

Lathes (Car & Driving Wheel)

Betts Machine Co. (For Driving Wheels), Wilmington, Del.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.

Lathes (Chacing)

(See Lathes, Brass Finishers')

Lathes (Chucking)

(See Chucking Machinery)

Lathes (Crank Shaft Turning)

(See Lathes, Shaft Turning; also Crank Pin Turning Machines)

Lathes (Cutting Off)

Hurlbut-Rogers Co., South Sudbury, Mass.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

Lathes (Drill)

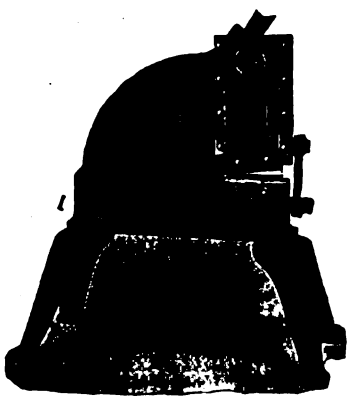
Diamond Machine Co. (Center), Providence, R. I.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

Lathes (Driving Wheel)

(See Lathes, Car & Driving Wheel)

Lathes (Engine)

American Tool Works Co., Cincinnati, O.
Bagshaw & Field, 317 Cherry, Phila., Pa.
Barker, W. & Co., c Pioneer & Calvert, Cincinnati, O.
Barnes, B. F. Co., Rockford, Ill.
Bradford Machine Tool Co. (14 to 36-inch Swing), 671 Evans, Cincinnati, O.
Bridgeford Machine Tool Wks., Rochester, N. Y.
Carroll-Jamieson Machine Tool Co. (14 inch), Batavia, O



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We make a full line of Hand and Power Shears and Punches to work from 1-8 in. to 9-16 in. plate.
These tools are unequalled for Silversmiths, Sheet Metal Shops, Structural Ironworkers, Railroad Shops, Mines, Contractors' Work, Plantations, Shipyards, Etc.
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Champion Tool Works Co. (10 to 18 in. Swing Screw Cutting), Cincinnati, O.
Davis, W. P. Machine Co., Rochester, N. Y.
Fairbanks Co. (12 & 14-inch), Springfield, O.
Fay Machine Tool Co. ("Fay" Automatic), 2d & Glenwood av, Phila., Pa.
Fay & Scott, Dexter, Me.
Fifield, Geo. W. (17 to 84-inch Swing), Lowell, Mass.
Fitchburg Machine Works, Fitchburg, Mass.
Flather & Co. (Screw Cutting, etc.), Nashua, N. H.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
G. M. Lathe Co. ("G. M." Screw Cutting), Lennox bldg, Cleveland, O.
Garvin Machine Co., 137 Varick, New York
Geier, P. A. Co. ("Geier" Positive Taper Turning Lathes), 5112 St. Clair av, N E. Cleveland, O.
Gleason Tool Co., Rochester, N. Y.
Gray, G. A., Co., Gest & C. H. & D. R. R., Cincinnati, O.
Greaves, Klusman & Co., c Cook & Alfred, Cincinnati, O.
Hamilton Machine Tool Co. (14 to 48), Hamilton, O.
Harrington, Edwin & Son Co., 17th & Callowhill, Philadelphia, Pa.
Hendey Machine Co., Torrington, Conn.
Holmes, Chas. Machine Co., 299 Marginal, E. B., Boston, Mass.
Johnson, Israel H., Jr., Co., Phila., Pa.
Le Blond, R. K. Machine Tool Co., 4609 Eastern av, Cincinnati, O.
Lodge & Shipley Machine Tool Co., 3055 Colerain av., Cincinnati, O.
McCabe, J. J., 30 Church, New York
Mann, Chas. A., 166 Doyle av, Providence, R. I.
Manning, Maxwell & Moore, 85, 87 & 89 Liberty, New York
Miami Valley Machine Tool Co. (13 1-2 inch by 6 foot), Dayton, O.
Milwaukee Machine Tool Co., Milwaukee, Wis.
Morris, John B., Foundry Co. ("Schellenbach"), Cincinnati, O.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Oliver Machinery Co. (Gap), Grand Rapids, Mich.
Pitsburg Machine Tool Co. (Heavy, 27 to 76; 27 to 84), Allegheny, Pa.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co. (12 to 32 inch Swing), Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Rahn, Carpenter Co., Anderson, Ind.
Reed, F. E. Co. (10 to 30 inch Swing), Worcester, Mass.
Reed, J. B. (Screw Cutting), Cairo, Ill.
Robbins, L., Worcester, Mass.
Schumacher & Boye, 2245 Spring Grove av, Cincinnati, O
Sebastian Lathe Co., Covington, Ky.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Seneca Falls Mfg. Co. ("Star" foot & power screw cutting), Seneca Falls, N. Y
Shepard Lathe Co. (Foot & Power), 129 W 2d, Cincinnati, O.
Snyder & Metcalf, Waterford, N. Y.
Springfield Machine Tool Co. (14, 18 & 24-inch), Springfield, O.
Stiles Foundry & Supply Co., Parkersburg, W. Va.
Von Wyck Machine Tool Co., Cincinnati, O.
Walcott & Wood Machine Tool Co. ("16, 18, 22, 24, 32 & 36" inch Swing & 32 & 36 inch Triple Geared), Jackson, Mich.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.
Wickes Bros., Saginaw, Mich.
YOUNG MACHINE & TOOL CO., 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

Lathes (Extension Gap)

Barnes Drill Co. (12-22 inch Sliding), Rockford, Ill.
Harrington, Edwin Son & Co., 17th & Callowhill, Philadelphia, Pa

Lathes (Face)

(See Patternmakers' Lathes)

Lathes (Facing)

Reed, F. E., Co. (22 & 24 inch Swing), 120 Gold, Worcester, Mass.

Lathes (Foot Power)

Bagshaw & Field, 317 Cherry, Phila., Pa.
Barnes, B. F. Co., Rockford, Ill.
Barnes, W. F. & John Co., Rockford, Ill.
Carroll-Jamieson Machine Tool Co. (9 by 25), Batavia, O.
Davis, W. P. Machine Co., Rochester, N. Y.
Garvin Machine Co., 137 Varick, New York
Mann, Chas. A., 166 Doyle av, Providence, R. I.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.
Purdy Machine Co. (9 & 10 Swing), Ghent, O.
Quackenbush, H. M., Herkimer, N. Y.
Reed, F. E. Co. (Plain & Screw Cutting), Worcester, Mass.
Sebastian Lathe Co., Covington, Ky.
Seneca Falls Mfg. Co. ("Star"), Seneca Falls, N. Y.
Shepard Lathe Co. (Turret), 129 W 2d, Cincinnati, O
YOUNG MACHINE & TOOL CO., 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

Lathes (Forging)

(See Lathes, Engine)

Lathes (Forming)

Dreses Machine Tool Co., Cincinnati, O.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Reed, F. E. Co. (16 inch Swing), Worcester, Mass.

Lathes (Fox Monitor)

(See Lathes, Brass Finishers')

Lathes (Gap)

(See Lathes, Engine)

Lathes (Gauge)

American Woodworking Machinery Co., Rochester, N. Y., West st. bldg, New York
Bentel & Margedant Co., Hamilton, O.
Fay & Scott, Dexter, Me.
Goodspeed Machine Co., Winchenden, Mass.
Novelty Iron Works (G. E. Davis, Prop.), Dubuque, Ia.
Smith, H. B. Machine Co. (Brown & Howe's Automatic), Smithville, N. J., & 121 Liberty, New York
Trevor Mfg. Co., Lockport, N. Y.
Yerkes & Finan Wood Working Machine Co., St. Louis, Mo.

Lathes (Granite Column)

(See Machinery, Stone Polishing)

Lathes (Granite Polishing)

(See Machinery, Stone Polishing)

Lathes (Grinding)

Pratt & Whitney Co., Hartford, Conn.
Storey General Electric Co., Trenton, N. J.

Lathes (Gun Turning & Boring)

(See also Gun Barrel Turning Machines)

Johnson, Israel H., Jr., Co., Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Phila. Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Sellers, Wm., & Co. (Inc.), 1600 Hamilton, Phila., Pa.

Lathes (Hand)

Brown & Sharpe Mfg. Co., Providence, R. I.
Diamond Machine Co. (Lever & Screw Feed), Providence, R. I.

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Dreses Machine Tool Co., Cincinnati, O.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 137 Varick, New York
Johnson, Israel H, Co., Phila., Pa.
Mann, Chas. A., 166 Doyle av, Providence, R. I.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Oliver, W. W., Mfg. Co. (Foot & Power), 1483 Niagara, Buffalo, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Reed, E. E. (9 to 26 inch Swing), Worcester, Mass.
Seneca Falls Mfg. Co. ("Star," Foot & Power), Seneca Falls, N. Y.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

Lathes (Handle Turning)

(See also Lathes, Wood Turning)

American Wood Working Machinery Co., Rochester, N. Y., West St bldg, New York
Bentel & Margedant Co., Hamilton, O.
Bradley, H. C., Bridgeport, Conn.
Defiance Machine Works ("Chaplin Automatic"), Defiance, O.
Empire Machine Works, Mount Morris, N. Y.
Fay, J. A. & Egan Co., Cincinnati, O.
Gerlach, Peter Co. (Automatic for Turning & Boring for Pail, Fire & Other Short Handles), Columbus rd & Winter, Cleveland, O.
Kline, Lewis T. (Automatic Broom Handle, etc.), Alpent, Mich.
Klotz Machine Co., Sandusky, O.
Leland, Frank J., Knoxville, Tenn.
Loetzer Valve & Mfg. Co. ("Booth" Automatic), Monroeton, Pa.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie Machinery Co., 277 S Canal, Chicago, Ill
Seymour & Whitlock, Newark, N. J.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Trevor Mfg. Co., Lockport, N. Y.
Waymoth, A. D. & Co., Fitchburg, Mass.
Wilder, Chas. W. (Auger, Paint Brush, File, etc.), Fitchburg, Mass.

Lathes (Hard Rubber)

Adamson, A., Akron, O.

Lathes (Ingot)

(See Lathes, Engine)

Lathes (Insulator)

Defiance Machine Works (Turning & Threading), Defiance, O.
Trevor Mfg. Co. (Turning & Threading), Lockport, N. Y.

Lathes (Jar Ring)

Adamson, Alex., Akron, O.
Birmingham Iron Foundry (Automatic), Derby, Conn.
Thropp, Wm. R. (Automatic), Trenton, N. J.
Thropp's, Jno. E. Sons Co., Trenton, N. J.

Lathes (Knurling)

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Lathes (Last)

Defiance Machine Works, Defiance, O.
Gilman & Son, Springfield, Vt.
Kimball Bros. & Sprague (Blocks & Turning), Brockton, Mass.

Lathes (Manual Training)

Hobbs Mfg. Co., Worcester, Mass.
Oliver Machinery Co., Grand Rapids, Mich.
Reed, F. E. Co. (Wood Turning), Worcester, Mass.
Seneca Falls Mfg. Co. ("Seneca Falls"), Seneca Falls, N. Y.
Sheldon, E. H., & Co. (Bench & Speed), 84 N May, Chicago, Ill.

Lathes (Marble Turning)

(See Lathes, Stone)

Lathes (Metal Spinning)

(See Lathes, Spinning)

Lathes (Monitor)

(See Lathes, Turret)

Lathes (Neck-Yoke & Singletrees)

Trevor Mfg. Co., Lockport, N. Y.

Lathes (Optical Grinding)

Carr, Jos. (Also Discs), 132 N 7th, Phila., Pa.
Cataract Tool & Optical Co., Buffalo, N. Y.

Lathes (Pattern Makers')

American Wood Working Machinery Co., Rochester, N. Y., West St bldg, New York
Atlantic Works, Philadelphia, Pa.
Bentel & Margedant Co., Hamilton, O.
Blount, J. G. Co. (Set-Over Swivel Tailstock, etc.), Everett, Mass.
Cordesman, Rechtin, Co., Cincinnati, O.
Dennis Machine Co., Jackson, Mich.
Fay, J. A. & Egan Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Fitchburg Machine Works, Fitchburg, Mass.
Fox Machine Co., Grand Rapids, Mich.
Frank Machinery Co., Buffalo, N. Y.
Greaves, Klusman & Co., Cook c Alford, Cincinnati, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
National Machine Works, Milwaukee, Wis.
New Haven Mfg. Co., New Haven, Conn.
Oliver Machinery Co. (Face), Grand Rapids, Mich.
Porter, C. O. & A. D. ("Porter"), Grand
Purdy Machine Co., Ghent, O. Rapids, Mich.
Putnam Machine Co., Fitchburg, Mass.
Rogers, C. B. & Co., Norwich, Conn.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

Lathes (Pearl Button Turning)

Hess Machine Works, 2512 Callowhill, Philadelphia, Pa.

Lathes (Photo-Engravers')

Royle, Jno. & Sons (Inc.), Paterson, N. J.

Lathes (Polishing)

(See Lathes, Buffing & Polishing)

Lathes (Precision)

(See also Lathes, Watchmakers)

American Watch Tool Co. (Screw Cutting), Waltham, Mass.
Faneuil Watch Tool Co. (The Rivett), Brighton, Boston, Mass.
Massachusetts Tool Co., Greenfield, Mass.
Rivett Lathe Mfg. Co., Brighton, Boston, Mass.
STARK TOOL CO. ("Stark," Bench), Waltham, Mass. (See adv. index, end of book)
WALTHAM MACHINE WORKS (Bench), (See adv. index, end of book)

Lathes (Projectile Boring & Turning)

(See Lathes, Gun Turning & Boring)

Lathes (Pulley Turning)

American Tool Works Co., Cincinnati, O.
Cincinnati Pulley Machinery Co. ("Streit"), Cincinnati, O.
Fay Machine Tool Co., 2d & Glenwood av, Phila., Pa.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.
Putnam Machine Co., Fitchburg, Mass.
Streit, A. Machine Co., 309 W 2d, Cincinnati, O.

Lathes (Rake Handle)

(See Rake Handle Machinery)

Lathes (Roll Engraving)

Gould & Eberhardt, Newark, N. J.

Lathes (Roll Polishing)

Gould & Eberhardt, Newark, N. J.

Lathes (Roll Turning)

(See also Machinery, Rolling Mill)

Gould & Eberhardt, Newark, N. J.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Morgan Construction Co., Worcester, Mass.
Phila. Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Phillips & McLaren, 24th & Smallman, Pittsburg, Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Sellers, Wm., & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Trethewey, Samuel, & Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Lathes (Roughing)

Schumacher & Boye, 2245 Spring Grove, av, Cincinnati, O.
United Engineering & Foundry Co., 54th & A. V. R'y, Pittsburg, Pa., & Youngstown, O.

Lathes (Screw Cutting)

(See also Lathes, Engine; also Lathes, Turret; also Screw Machines)

American Tool Works Co. (Screw-Cutting Engine), Cincinnati, O.
American Watch Tool Co. (Precision), Waltham, Mass.
Anderson Silk Co., Cincinnati, O.
Automatic Machine Co. (Automatic for Worms & Screws), Bridgeport, Conn.
Barker & Chord Machine Tool Co., Cincinnati, Ohio
Barnes, B. F. Co., Rockford, Ill.
Barnes, W. F. & John Co., Rockford, Ill.
Blaisdell & Co. (High Speed), Worcester, Mass.
Bradford Machine Tool Co., 671 Evans, Cincinnati, O.
Bridgeford, Chas., Rochester, N. Y.
Carroll-Jamieson Machine Tool Co. (9 Inch Back Geared), Batavia, O.
Davis, W. P. Machine Co., Rochester, N. Y.
Detrick & Harvey Machine Co., Baltimore, Md.
Draper Machine Tool Co., Worcester, Mass.
Fay & Scott, Dexter, Me.
Fish, H. C. Machine Works, Worcester, Mass.
Fitchburg Machine Works, Fitchburg, Mass.
Flather & Co., Nassau, N. H.
Greaves, Klusman & Co., Cincinnati, O.
Hamilton Machine Tool Co., Hamilton, O.
Harrington, H. Son & Co., Philadelphia, Pa.
Hendey Machine Co., Torrington, Conn.
Johnson, Eugene E., Worcester, Mass.
Johnson, Israel H., Jr., Co., Philadelphia, Pa.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, O.
McCabe, J. J., 14 Dey, New York
Mann, Chas. A., Providence, R. I.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Perkins, F. S. Co., Lowell, Mass.
Pittsburg Machine Tool Co., Allegheny, Pa.
Reed, F. E. Co. (Foot Power), Worcester, Mass.
Sebastian Lathe Co. (Foot), Covington, Ky.
Sellers, Wm. & Co. (Inc.), (Single Turning & Screw Cutting), 1600 Hamilton, Phila., Pa.
Seneca Falls Mfg. Co. ("Star," Foot), Seneca Falls, N. Y.
STARK TOOL CO. ("Stark" Chasing), Waltham, Mass. (See adv. index, end of book)
YOUNG MACHINE & TOOL CO., 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

Lathes (Shaft Turning)

American Tool Works Co., Cincinnati, O.
Brightman Mfg. Co., Shelby, O.
Fitchburg Machine Works, Fitchburg, Mass.
Johnson, Israel, Jr., Co., Philadelphia, Pa.
Le Blond, R. K., Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Springfield Machine Tool Co., Springfield, O.
Tindel-Morris Co. (Crank-Shaft, etc.), Eddystone, Pa., & Ellwood City, Pa.

Lathes (Shoe Last Turning)

(See Lathes, Last)

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Lathes (Specd)

American Woodworking Machinery Co., Rochester, N. Y.
Blount, J. G. & Co., Everett, Mass.
Carroll-Jamieson Machine Tool Co., Batavia, O.
Chickering, W. F., Worcester, Mass.
Diamond Machine Co., Providence, R. I.
Fay & Scott, Dexter, Me.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 137 Varick, New York
Grant Mfg. & Machine Co. (Spencer"), Bridgeport, Conn.
Grabo, E. O. (For Brass, etc.), 180 Centre, New York
Grimes & Harris, Leominster, Mass.
Kidder, R. E., 2 Hermon, Worcester, Mass.
Manning, Maxwell & Moore (Lever & Screw-Feed), 85 Liberty, New York
Moline Tool Co. ("Moline"), Moline, Ill.
National Machine Co., Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Oliver Machinery Co. (For Wood), Grand Rapids, Mich.
Oliver, W. W. Mfg. Co. (Jewelers), 1483 Niagara, Buffalo, N. Y.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Sebastian Lathe Co., Covington, Ky.
Seneca Falls Mfg. C. ("Seneca Falls"), Seneca Falls, N. Y.
Snyder & Metcalf, Waterford, N. Y.
Spencer, J. R., Bridgeport, Conn.
Washburn Shops of the Polytechnic Institute, Worcester, Mass.
Wells, F. E. & Son Co., Greenfield, Mass.
Whitcomb-Blaisdell Machine Tool Co. (High Speed), Worcester, Mass.

Lathes (Spinning)

Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Diamond Machine Co., Providence, R. I.
Ferracute Machine Co., Bridgeton, N. J.
Garvin Machine Co., 137 Varick, New York
Good Mfg. Co., N Jefferson & Fulton, Chicago, Ill.
Grabo, E. O., 180 Centre, New York.
Greaves, Klusman & Co., Cook c Alfred, Cincinnati, O.
Hibbard, Wm. H. Mfg. Co., 79 Wash'n, Brooklyn, N. Y.
Manville, E. J. Machine Co., Waterbury, Conn.
Meriden Machine Tool Co., Meriden, Conn.
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Prybil, P. (Estate of), 514 W 41st, New York
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Lathes (Spoke)

(See also Lathes, Handle Turning; also Lathes, Wood Turning)

Bentel & Margedant Co., Hamilton, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Humphrey Machine Co., Kerne, N. H.
Ober Mfg. Co., Chagrin Falls, O.
Trevor Mfg. Co., Lockport, N. Y.

Lathes (Spool)

(See Spool & Bobbin Machinery)

*Lathes (Staff)

STARK TOOL CO. ("Stark," Automatic for Turning Staffs & Pinions for Clocks, Watches, etc.), Waltham, Mass. (See adv. index, end of book)

Lathes (Stone Polishing)

Ellison Bros., Frankford, Philadelphia, Pa.
Hinds, Thomas, Malone, N. Y.
Lincoln Iron Works, Rutland, Vt.
Patch, F. R. Mfg. Co., Rutland, Vt.
Putnam Machine Co., Fitchburg, Mass.
Scoville, H. H. & Co., 1088 Wilcox av, Chicago, Ill.

*Lathes (Stove Mounters')

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Lathes (Strapping)

Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Springfield Mfg. Co., Bridgeport, Conn.

Lathes (Treenail)

Trevor Mfg. Co., Lockport, N. Y.

Lathes (Trimming)

Hibbard, Wm. H. Mfg. Co., 79 Wash'n, Brooklyn, N. Y.
Leffler, Chas. & Co., 63 Clymer, Brooklyn, N. Y.
Manville, E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co. Waterbury, Conn.

Lathes (Turret)

(See also Screw Machines)

American Tool Works Co., Cincinnati, O.
American Tool & Machine Co. (Brass Finishers), 109 Beach, Boston, Mass.
Bardons & Oliver (All Kinds), 1133 W. 9th, Cleveland, O.
Bullard Machine Tool Co. (Vertical & Combination Turret), Bridgeport, Conn.
Carroll-Jamieson Machine Tool Co. (14 Inch Back Geared), Batavia, O.
Carter & Hakes Machine Co ("Blood" Automatic), Winsted, Conn.
Dreser Machine Tool Co. (Universal), Cincinnati, O.
Fay & Scott, Dexter, Me.
Foster-Kimball Machine Co. (Or Screw Cutting Machines), Elkhart, Ind.
Garvin Machine Co., 137 Varick, New York
Gisholt Machine Co. (For Both Bar & Chucked Work), Madison, Wis.
Hendey Machine Co. (For Engine), Torrington Conn.
International Machine Tool Co. ("Libby"), Indianapolis, Ind.
Jones & Lamson Machine Co., Springfield, Vt.
Lodge & Shipley Machine Tool Co., 3055 Colerain av., Cincinnati, O.
Manning, Maxwell & Moore, 85, 87 & 89 Liberty, New York
Massey Machine Co. ("Ring," Turret), Watertown, N. Y.
Meriden Machine Tool Co., Meriden, Conn.
National Machine Co., Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Potter & Johnston Machine Co. (Double Turret Manufacturing), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & & branch offices, end of book)
Rahn-Carpenter Co., Anderson, Ind.
Reed, F. E. Co. (22 to 24-inch Swing), Worces
Shepard Lathe Co., Cincinnati, O. ter, Mass
Springfield Machnie Tool Co., Springfield, O.
Steinle Turret Machine Co. (Full Swing), Madison, Wis
Walcott & Wood Machine Tool Co. ("22x24-inch," will set over Turret on Shears), Jackson, Mich.
Warner & Swasey Co., Cleveland, O.
Windsor Machine ("Gridley" Multiple Spindle Automatic), Windsor, Vt.
Wood Turret Machine Co. Terre Haute, Ind.
YOUNG MACHINE & TOOL CO., 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

Lathes (Variety Turning)

Bentel & Margedant Co., Hamilton, O.
Bradley, H. C., Bridgeport, Conn.
Cowdrey, C. H., Machine Works, Fitchburg, Mass.
Kline, Lewis T. (Automatic), Alpena, Mich.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie Machinery Co., 277 S. Canal, Chicago, Ill.
Waymouth, A. D. & Co. (Self-Centering & Self-Adjusting, etc.), Fitchburg, Mass.
Wilder, Chas. W. (For Small Turnings of All Kinds), Fitchburg, Mass.

Lathes (Veneer)

Coe Mfg. Co., Painesville, O.
Merritt Mfg. Co., Lockport, N. Y.

Lathes (Watchmakers')

(See also Lathes, Precision)

American Watch Tool Co. ("Webster-Whitcomb"), Waltham, Mass
Fannell Watch Tool Co., 1 Brooks, Boston Mass.
Hardinge Bros., 1036 Lincoln av, Chicago, Ill.
Moseley Lathe Co., Elgin, Ill.
Rivett Lathe Mfg. Co., Brighton, Mass.
STARK TOOL CO ("Stark"), Waltham, Mass. (See adv. index, end of book)
WALTHAM MACHINE WORKS, Waltham, Mass. (See adv. index, end of book)
Waltham Watch Tool Co., Springfield, Mass.

Lathes (Winding)

Pittsburg Machine Tool Co., Allegheny, Pa.
Sommerfeld Machine & Mfg. Co. (For Winding Coils), 220 2d av, Pittsburg, Pa.

Lathes (Wood Polishing)

Bradley, H. C., Bridgeport, Conn.

Lathes (Wood Pulley)

(See Wood Pulley Machinery)

Lathes (Wood Working)

American Sawmill Machinery Co., 50 Church, New York; Works: Hackettstown, N. J.
American Wood Working Machinery Co. Rochester, N. Y., & West Street bldg, New York
Artistic Wood Turning Works, 67 N Sangamon, Chicago, Ill.
Atlantic Works (Inc.), 28th & Grays Ferry rd, Phila., Pa.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich
Barnes, W. F. & John Co., Rockford, Ill.
Bentel & Margedant Co. (Spokes, Handles, etc.), Hamilton, O.
Cadillac Motor Car Co., Detroit, Mich.
Carey, W. W., Lowell, Mass.
Carroll-Jamieson Machine Tool Co., Batavia, O
Cordesman, Rechtin Co., 25 Butler, Cincinnati, O
Cordesman, Meyer & Co., 53 Central av., Cincinnati, O.
Cowdry, C. H., Machine Works (Variety Turning), Fitchburg, Mass.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Front c. John, W. Cincinnati, O.
Fay & Scott, Dexter, Me.
Frank Machinery Co., Buffalo, N. Y.
Grammes, L. F. & Sons (All Kinds), Allentown, Pa.
Greaves, Klusman & Co., Cook & Alfred, Cincinnati, O.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, B. B. Machinery Co., Buffalo, N. Y.
National Machine Co., Milwaukee, Wis.
New Haven Mfg. Co., New Haven, Conn.
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter, O. O. & A. D., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Pringle & Brodie Machinery Co. (Back Knife Variety Turning), 277 S. Canal, Chicago, Ill.
Prybil, Paul (Est. of), 512 W 41st, New York
Purdy Machine Co., Ghent, O.
Sebastian Lathe Co., Covington, Ky.
Seneca Falls Mfg. Co. ("Seneca Falls"), Seneca Falls, N. Y.
Sidney Tool Co. ("Defiance"), Sidney, O.
Smith H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Steggall, A., Owosso, Mich.
Trevor Mfg. Co. (Turnings up to 8 inches), Lockport, N. Y.
Waymouth, A. D. & Co. (Variety, etc.), Fitchburg, Mass.
Wilder, Chas. W., Fitchburg, Mass.

Lathes (Worm Threading)

Automatic Machine Co. (Automatic), Bridgeport, Conn.

Lathes (Yacht Spar)

Trevor Mfg. Co., Lockport, N. Y.

Lathes (Zinc)

Midland Foundry & Machine Works Co., 2156 15th, Denver, Colo.
Pacific Tank Co. (For Cutting Zinc Shavings), Los Angeles, Cal.

Laughing Galleries

Ingersoll Construction Co., Pittsburg, Pa.

Launches

(See Motor Boat, Launch & Yacht Builders)

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Laundry Dryers

(See also Clothes Dryers)

Adams Laundry Machinery Co., 1935 6th av, Troy, N. Y.
Chicago Dryer Co., 381 Wabash av, Chicago, Ill.
Dryer Mfg. Co., 204 E. 20th, New York
Hill-Canton Dryer Co., Canton, Ohio
Mannen & Esterly Co. ("Munest"), 2247 St. Clair, Cleveland, O.
Metal Fire Proof Clothes Dryer Co., 534 W 58th, New York
Steel Roll Machine Co., 254 E Madison, Chicago, Ill.

Laundry Ironing Stoves

(See Stoves, Laundry)

*Laundry Irons (Electric)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Laundry Machinery

(See Machinery, Laundry)

Laundry Tub Covers

Greason Mfg. Co. (Galvanized Iron), 908 W 99th, New York

Laundry Tubs (Artificial Stone)

Adams, E. G., Kingston, N. Y.
Anchor Stone Laundry Tray Co., 2020 Lyndale av, S, Minneapolis, Minn.
Chicago Granitine Mfg. Co. ("Granitine"), 3224 Shields av, Chicago, Ill.
Hardin, Jno. 4543 Cottage Grove av, Chicago, Ill.
Hardin, Jno., 4543 Cottage Grove av, Chicago, Ill.
Peerless Granite Co., Weehawken, N. J.
Reilly, J. F. & Co. ("Star" Cement), San Francisco, Cal.
Robinson Stoneware Co., 244 Greenpoint av, Brooklyn, N. Y.
Union Granite Co., Weehawken, N. J.
Weehawken Granite Co., Town of Union, N. J.
Wesley, Chas ("Economy," Stoneware), 3122 S Canal, Chicago, Ill.

*Laundry Tubs (Concrete)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Laundry Tubs (Enameled Iron)

(See Bath Tubs, Enameled Iron)

Laundry Tubs (Euclid Stone)

Norcross Co., 1264 Riverbed, Cleveland, O.

Laundry Tubs (Glazed Fire Clay)

Gladding, McBean & Co., Crocker bldg, San Francisco, Cal
Steiger Terra Cotta & Pottery Works, San Francisco, Cal.

Laundry Tubs (Porcelain)

(See Bath Tubs, Porcelain)

Laundry Tubs (Slate)

Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Auld, Couger & Co., Cleveland, O.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Caskie, Samuel, Walnutport, Pa.
Chicago Slate & Mantel Co., 232 S. Clinton Chicago, Ill
Cleveland Mantel & Tile Co., 1420 E 30th Cleveland, O
Connolly, P. (Slate Lined), 1154 Atlantic av. Brooklyn, N. Y.
East Bangor Consolidated Slate Co., E. Bangor Pa
Fair Haven Marble & Marbleized Slate Co. Fair Haven, Vt
Hahn, Granville, Walnutport, Pa.
Hinchey, Patrick, Hydeville, Vt.
Illinois Marble Co., Edwardsville, Ill.
McKenna, David, Slatington, Pa.
Meadowbrook Slate Co., Slatington, Pa.
Monson Consolidated Slate Co., Bath, Me.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass
New York Slate Works, 493 E. 138th, New York
North Bangor Slate Co., Bangor, Pa.
O'Day Bros., Hydeville, Vt.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Pelican Slate Mfg. Co., Pottstown, Pa., and Wind Gap, Pa
Penna Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E 138th, New York
Phoenix Slate Co., Windgap, Pa.
Provident Slate Co., Slatington, Pa.
Scotch Hill Slate Co., Fair Haven, Vt.
Slatington Slate Co., Slatington, Pa.
Union Soapstone Co., 14 Marshall, Boston, Mass
Williams Slate Co., Arvonia, Va.
Wolff, L. Mfg. Co., 117 W. Lake, Chicago, Ill

Laundry Tubs (Soapstone)

Alberene Stone Co., 223 E 23d, New York
Butler, Philip H. & Co., 25 Haverhill, Boston, Mass.
Clow, Jas. B. & Sons, 342 Franklin, Chicago, Ill.
Connolly, P., 1154 Atlantic av, Brooklyn, N.Y.
Illinois Marble Co., Edwardsville, Ill.
National Soapstone Co., 396 1st av, New York
Phoenix Soapstone Co., 7 Warren, New York
Piedmont Soapstone Co., 55 Congress, Boston, Mass.; Works: Alberstine, Va
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Robinson Stoneware Co., 244 Greenpoint av, Brooklyn, N. Y.
Troy Bros. & Co., 91 Haverhill, Boston, Mass
Union Soapstone Co., 14 Marshall, Boston, Mass
Virginia Soapstone Co., Schupler, Va., & 86 Lincoln av, New York
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Lava

American Lava Co. ("Alco"), Chattanooga, Tenn.
Crescent Burner Mfg. Co., 339 B'way, New York
Steward, D. M. Mfg. Co. ("Lavite"), Chattanooga, Tenn.

Lavatories (Ship)

Bishop, Wm. Sons, 205 South, New York
Curtiss Co., 67 Gold, New York
Hodgdon Brass Works, 102 High, Boston, Mass.
Sands, Alfred B. & Son Co., 242 Water, New York
Webb, F. W. Mfg. Co., Boston, Mass.

Lavatories & Fittings

Adee, Fred. Co., 44 Cliff, New York
Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barrett, James Mfg. Co., 211 Franklin, Boston, Mass
Cahill Iron Works ("Southern Beauty," "Enameled Iron"), Chattanooga, Tenn.
Chambers & Co., Newark, N. J.
Clow, James B., & Sons, 344 Franklin, Chicago, Ill.
Cooper, Wm. S., Brass Works, 437 N. 12th, Phila., Pa.
Dalton-Ingersoll Co., 175 High, Boston, Mass.
Detroit Sanitay Supply Co., Detroit, Mich.
Douglas, John Co., Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Fort Pitt Supply Co., 332 2d av, Pittsburg, Pa
Great Western Pottery Co. ("K. T." Vitreous China), Kokomo, Ind
Haines, Jones & Cadbury Co., 1130 Ridge av, Phila., Pa.
Humphryes Mfg. Co. (Enameled Iron), Mansfield, O
Kohler, J. M., Sons Co. (Enameled Iron Lavatories), Sheboygan, Wis.
McCambridge & Co. (Ltd.), 315 N 20th, Philadelphia, Pa
McCrum-Howell Co., 103 Park av, New York
McVay & Walker, Braddock, Pa.
Manufacturing, Equipment & Engineering Co (Individual Range, Wash Bowls, Plain Iron Galvanized or Vitrified Porcelain Enamel), 200 Washington, Boston, Mass.
Maryland Foundry Co. (Enameled Iron), Baltimore, Md
Mott, J. L., Iron Works, 118 5th av, New York
Mueller, H. Mfg. Co., Decatur, Ill.
National Sanitary & Mfg. Co. (Enameled Iron), Salem, O.
Nelson, N. O., Mfg. Co., St, Louis, Mo.
Newell Brass Mfg. Co., 445 N Broad, Philadelphia, Pa.
Peck Bros. & Co., New Haven, Conn.
Pierce, Butler & Pierce Mfg. Co. (Solid Vitreous and Porcelain Enameled), Syracuse, N. Y.
Pittsburg Brass Mfg. Co., Allegheny, Pa.
Rundle Mfg. Co., Milwaukee, Wis.
Rundle-Spence Mfg. Co., 67 2d, Milwaukee, Wis.
Smith & Anthony Co., 48 Union, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
STEIN, HENRY, 48 Cliff, New York. (See adv. index, end of book)
Watrous Co. ("Watrous," White Metal Lavatory Fittings), Fisher bldg, Chicago, Ill.
Wheeling Enameled Iron Co. (Enameled Iron Lavatories), Wheeling, W. Va.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Lavatory Legs

American Pin Co. (Brass), Waterbury, Conn.
Climax Specialty Co., Elmira, N. Y.
Clow, Jas. B. & Sons, Chicago, Ill.
Du Bois, F. N., 342 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1130 Ridge av, Phila., Pa.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
McCambridge & Co., Ltd., 315 N 20th, Philadelphia, Pa.
Mott, J. L., Iron Works, 118 5th av, New York
Mullaney's, Jas. Son (Brass Basin), 25th & Lexington av, New York
Mullaney's, Jas., Son (Brass Basin), 25th & Lexington av, New York
Newell Brass Mfg. Co., 445 N Broad, Philadelphia, Pa.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Pittsburg Brass Mfg. Co., Allegheny, Pa.
Sanitary Co. ("Paragon" Brass), Cleveland, O.
Victor Excelsior Brass Works ("Nickel Plated"), 128 White, N. Y.
Warren Brass Co., Warren, O.
Wolverine Brass Works, Grand Rapids, Mich.

Lavatory Spring Hinges



257 to 271 Classon av, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Spring Butt Co., 491 Carroll av, Chicago, Ill.

Lavatory Trimmings

Climax Specialty Co., Elmira, N. Y.
Edwardsville Brass Co., Edwardsville, Ill.
Hess, Chas. Co. (For Export), 129 Front, New York
Park & McKay Co., Detroit, Mich.

Lawn Furniture

(See Fountains, Vases, Etc.; also Settees & Chairs, Iron; also Settees & Chairs, Lawn; also Rustic Wood Work; also Swings, Lawn)

Lawn Mower Mfrs.

American Die & Tool Co. ("Acme", Ball Bearing Reel & Roller Bearing Wheel), Reading, Pa.
American Lawn Mower Co. ("Favorite," "Advance," "Yale," "Columbia," Ball Bearing), Muncie, Ind.
Avery, B. F. & Sons (The Dewey & Princess), Louisville, Ky.
Blair Mfg. Co. (Lawn Mowers' "Easy" Parallel Bearings, will cut borders, mounds, close to walls, fences, etc. "Cyclemower," "Hercules," "Bay State," "Victor," "Mohawk," "Grand Universal," "Giant Universal," "High Wheel Universal," "Universal" all ball or parallel bearings, "Yankee" Parallel bearings only), Springfield, Mass.
Brann, Jno. & Sons, 1615 N 23d, Phila., Pa.
Chadborn & Caldwell Co. ("New Model," "Rival," "O. K." "Excelsior," "Roller Golf, "Royal Blue" & "Lenox" Ball Bearing, "Invincible"), Newburgh, N. Y.
Clipper Lawn Mower Co. ("Clipper" Hand & Pony, Cuts Grass Any Height), Dixon, Ill.
Coldwell Lawn Mower Co. ("Lakewood," "Imperial"), Newburgh, N. Y.
Dille & McGuire Mfg. Co. (McGuire Ball Bearing), Richmond, Ind.
Eclipse Lawn Mower Co. ("Eclipse" & Self-Sharpening), Prophetstown, Ill.
Elwood Lawn Mower Co., Elwood, Ind.
Enterprise Mfg. Co. ("Enterprise"), 3d & Dauphin, Phila., Pa.

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F. & N. Lawn Mower Co. ("F. & N."), Richmond, Ind.
Globe Lawn Mower & Mfg. Co. (Ball Bearing) Reading, Pa.
Granite State Mowing Machine Co. (Granite State), Hinsdale, N. H.
Heath Foundry & Mfg. Co., Plymouth, O.
Hunt, Helm, Ferris & Co. ("Standard," "New Harvard," "Illinois," "Lawn Queen" & "Little Giant"), Harvard, Ill.
Jewett, H. M., Moravia, N. Y.
Leavitt Mfg. Co., Urbana, Ill.
McIntosh Hardware Corpn. (Euclid Av." Ball Bearing), 725 Superior, Cleveland, O.
Mast Foos & Co. ("Buckeye" Ball Bearing, "Mascot"), Springfield, O.
Ney Mfg. Co., Canton, O.
Ohio Wringer Co., Springfield, O.
Phila. Lawn Mower Co. ("The Philadelphia"), 3107 Chestnut, Phila., Pa.
Reading Hardware Co. ("Reading"), Reading, Pa.
Reading Standard Co. ("Standard" Ball Bearing), Reading, Pa.
Stearns, E. C. & Co. ("Stearns," Ball Bearing), Syracuse, N. Y.
Supplee Hardware Co. ("Pennsylvania" Ball Bearing, "Continental," "Great American" Ball Bearing, Self Sharpening, "Bellevue" Ball Bearing, "New Quaker," "New Departure," "Girard," "Electric," "Westfield"), 503 Market, Phila., Pa.
Thomas Mfg. Co., Springfield, O.
Townsend, S. P. & Co. (Lawn Mowers "Lyon," "Spider," "Victor," "Premier," "Essex," "Orange," "Matchless" All Ball Bearing "Townsend" Chain Roller Mower), Orange, N. J.
WHITMAN & BARNES MFG. CO. ("New Diamond," "New Electric," "New Norka," "Calumet," "W & B" High Wheel, "W & B" Ball Bearing, "W & B" Junior & "W & B" Automatic Ball Bearing, "Diamond," "Intermediate Gear," "Acme" Ball Bearing, "Bull Dog" Ball Bearing, "Chicago"), Chicago, Ill. (See adv. index & branch offices, end of book)
Worcester Lawn Mower Co. ("Worcester," "Highland," "Homestead" & "Green Mountain"), Worcester, Mass.

Lawn Mower Mfrs. (Horse)

Chadborn & Coldwell Co. ("New Excelsior"), Newburgh, N. Y.
Clipper Lawn Mower Co. ("Clipper" Pony, Cuts Grass Any Height), Dixon, Ill.
Supplee Hardware Co. ("25-Inch Pony & "Pennsylvania" Horse, 30 to 88 inches cut), 503 Market, Phila., Pa.
Townsend, S. P. & Co. ("Townsend's" Triple Ratchet), Orange, N. J.

Lawn Mower Sharpeners

(See Sharpeners, Lawn Mower)

Lawn Sprinklers

Allen, W. D. Mfg. Co. ("Mayflower"), 151 Lake, Chicago, Ill.
American Foundry & Mfg. Co. ("Cactus," "Japanese," "Park," "National," "Pacific," "Imperial"), St. Louis, Mo.
Cleveland Lock Co., 1297 E 38th, N E, Cleveland, O.
DEMING CO. (Lawn & Irrigating), Salem, O. (See adv. index, end of book)
Detroit Lead Pipe & Sheet Lead Works, Detroit, Mich.
Enterprise Mfg. Co. (Enterprise), 3d & Dauphin, Philadelphia, Pa.
Forest City Foundry & Mfg. Co. ("Klondyke"), Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Henderson, Peter, & Co. ("Waterwitch"), 35 Cortlandt, New York
Humphryes Mfg. Co., Mansfield, O.
Kohler, F. E., & Co., Canton, O.
Kupferle, John C., Foundry Co., St. Louis, Mo.
Landers, Frary & Clark ("Crown"), New Britain, Conn.
Neumeyer, H. F., Macungie, Pa.
Noera Mfg. Co. ("Noera," "Waterbury"), Waterbury, Conn.
Novelty Mfg. Co. ("Novelty," Lawn Spray), Waterbury, Conn.
Phila. Lawn Mower Co., 3107 Chestnut, Phila., Pa.
Sherman, H. B. Mfg. Co. (Also Rose Sprinklers), Battle Creek, Mich.
Standard Sheet Metal Co. ("Suburban"), Passaic, N. J.
Standard Stamping Co. (Fountain), Marysville, Ohio
Stearns, E. C. & Co. ("Stearns," Reversible), Syracuse, N. Y.
TURNER & SEYMOUR MFG. CO. ("Rainbow"), Torrington, Conn. (See adv. index, end of book)
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Westervelt, A. B. & W. T. ("The Hub"), 102 Chambers, New York
Wilcox Mfg. Co. (Lawn Sprayer & Nozzle), Aurora, Ill.
Wilgus Mfg. Co. ("Wilgus"), Los Angeles, Cal.
Yost Electric Mfg. Co. ("New Century"), Toledo, O.

Lawn Sweepers

Greene Mfg. Co. ("Apollo"), Springfield, O.
Philadelphia Lawn Mower Co., 3107 Chestnut, Phila., Pa.

*Lead (Antimonial)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

Lead Burning Outfits

Storage Battery Supply Co. (For Storage Batteries, etc.), 239 E 27th, New York

Lead Joint Remover

Smith, A. P. Mfg. Co. ("French"), Newark, N. J.

Lead (Lantern)

Chadwick-Boston Lead Co., Boston, Mass.

*Lead (Pig)

(See also Lead Pipe, Sheet & Pig Lead Manufacturers)

LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)

Lead Pipe Couplings & Fittings

Anderson Coupling Co., Portland, Conn.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.

Lead Pipe

(See Lead Pipe, Sheet & Pig Lead Manufacturers)

Lead Pipe Former & Sizer

Vanderman Plumbing & Heating Co., Willimantic, Conn.

Lead Pipe, Sheet & Pig Lead Mfrs.

American Metal Co., 52 B'way, New York
American Smelting & Ref. Co., 165 B'way, New York
Bailey-Farrell Mfg. Co., 3d & Ross, Pittsburg, Pa.
Baker Lead Mfg. Co., Worcester, Mass.
Blatchford, E. W. Co., 70 N Clinton, Chicago, Ill.
Bogue Lead Co., 1810 Blake, Denver, Col.
Brooklyn Metal Works (Inc.), 4th av, & Degraw, Brooklyn, N. Y.
Bruce & Cook, 190 Water, N. Y.
Chadwick-Boston Lead Co., Boston, Mass.
Charleston Lead Works, Charleston, S. C.
Columbia Smelting & Refining Works, 360 West, New York
Colwell Lead Co., 109 Lafayette, New York
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane-Hawley Co., Court, Sycamore & Canal Cincinnati, O
Detroit Lead Pipe & Sheet Lead Works, Detroit, Mich.
Du Bois, Fred'k N., & Co., 243 9th av, New York
Fleck Bros. Co., 44 N 5th, Philadelphia, Pa.
Gibson & Price Co., Cleveland, O.
Granby Mining & Smelting Co., St. Louis, Mo. Works, Granby, Mo.
Great Western Smelting & Refining Co., 175
Hendricks Bros., 49 Cliff, New York
Hendricks Bros., 49 Cliff, New York
Hoyt Metal Co. (Sheet & Pig Lead Mfrs. Only), St. Louis, Mo., & Perth Amboy, N. J.
Lang, E. M. Co., Portland, Me.
Lewis, John T. & Bros. Co., 231 S Front, Phila., Pa.
Mayor, Lane & Co., 128 White, New York
Millar, Chas., & Son Co., Utica, N. Y.
National Lead Co., 100 William, New York
National Lead & Oil Co. (of Pa.), Pittsburg, Pa.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Penna. Smelting Co., 331 4th av, Pittsburg, Pa.
Phelps, Dodge & Co., 99 John, New York
Phillips Lead & Supply Co., Providence, R. I.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Raymond Lead Co., 57 W Lake, Chicago, Ill.
Read, H. P. Lead Works, 82 Sanford, Brooklyn, N. Y., & 645 Lexington av, New York
Robertson, Jas., Mfg. Co., 14 S Hanover, Baltimore, Md.
Rochester Lead Works, Rochester, N. Y.
Ronalds & Johnson Co. (Lead Pipe Only), 54 Cliff, New York
Rumsey, L. M. Mfg. Co., 806 N Main, St. Louis, Mo.
St. Joseph Lead Co., 5 Nassau, New York
San Antonio Machine & Supply Co., San Antonio, Tex.
Sandoval Zinc Co., 122 N. Peoria, Chicago, Ill. Works, Sandoval, Ill.
Selby Smelting & Lead Co., San Francisco, Cal.
Tillinghast, L. H., Supply Co., Providence, R. I.
Trench, C. S. & Co., 81 Fulton, New York
Trotter, Nathan & Co., 36 N Front, Philadelphia, Pa.
United Lead Co., 100 William, New York
Vogelstein, L. & Co., 100 B'way, New York
Windsor Mfg. Co., Milwaukee, Wis.

Lead Refiners (Electrolytic)

U. S. Metal Refining Co., 100 B'way, New York

*Lead Refining Plants

ALLIS-CHALMERS CO. (Complete Plants), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Lead (Ribbon)

Chadwick-Boston Lead Co., Boston, Mass.

Lead Traps, Bends & Ferrules

Barry Mfg. Co., Muscatine, Ia.
Blatchford, E. W. Co., 70 N Clinton, Chicago, Ill.
Brooklyn Metal Works ("Dranro;" also Combination Bends & Ferrules), 4th av, c Degraw, Brooklyn, N. Y.
Colwell Lead Co., 109 Lafayette, New York
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Detroit Sanitary Supply Co., Detroit, Mich.
Du Bois, F. N., & Co., 247 9th av, New York
King Mfg. Co., Watervliet, N. Y.
Lewis, Jno. T., & Bros. Co., 231 S Front, Phila., Pa.
National Lead Co., 100 William, New York
National Lead & Oil Co. (of Pa.), Pittsburg, Pa.
Raymond Lead Co., 51 W Lake, Chicago, Ill.
Robertson, Jas., Mfg. Co., 14 S Hanover, Baltimore, Md.
Ronalds & Johnson Co. (Traps & Bends Only), 54 Cliff, New York
Selby Smelting & Lead Co., 416 Montgomery, San Francisco, Cal.
United Lead Co., 100 William, New York
Windsor Mfg. Co., Milwaukee, Wis.

Lead (Wedge & Monumental)

Chadwick-Boston Lead Co., Boston, Mass.

Lead Wool

New York Lead Wool Co. (For Calking Pipe Joints, etc.), 93 Nassau, New York
Raymond Lead Co., 51 W Lake, Chicago, Ill.

Leaders (Cattle)

Covert Mfg. Co., Troy, N. Y.
Humason & Beckley Mfg. Co., New Britain, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Smith, Seymour & Son, Oakville, Conn.
Stearns, E. C. & Co., Syracuse, N. Y.

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Leadite for Pipe Joints

Leadite Co. of America, Land Title bldg, Philadelphia, Pa.

Leads (Sounding)

Chadwick-Boston Lead Co., Boston, Mass.
Wilcox, Crittenden & Co., Middletown, Conn.

Leather (Artificial)

Boston Artificial Leather Co. (Morrocoline), Stamford, Conn., & 1 Madison av, New York
Chase, L. C. & Co. ("Standard," for Furniture, Car Seats & Wall Covering), 89 Franklin, Boston, Mass.
Fabrikoid Co., Newburgh, N. Y.
Kerstol Co., Newark, N. J.
Leatherole Co. ("Leatherole"), 24 E 22d, New York
Pantasote Leather Co., Passaic, N. J.
QURIDE CO. ("Quride" for Car Seats, etc.), Syracuse, N. Y. (See adv. index, end of book)

Leather (Friction)

(See Leather, Hydraulic & Valve)

Leather (Hydraulic & Valve)

BICKFORD & FRANCIS BELTING Co., 37 Pearl, Buffalo, N. Y. (See adv. index, end of book)
Chicago Rawhide Mfg. Co. ("Krome"), 75 E Ohio, Chicago, Ill.
Cowan, Andrew & Co., 435 W Main, Louisville, Ky.
Ladew, Edw. B. (Est. of), 200 William, New York
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)

Leather (Mechanical)

Chicago Rawhide Mfg. Co. ("Krome," Water, Oil, Steam & Heat Proof), 75 E Ohio, Chicago, Ill.
Nott, W. S., Co., Minneapolis, Minn.
QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)

Leather Mechanical Goods

Houghton, E. F. & Co. ("Vici"), 240 W Somset, Philadelphia, Pa.

Leather (Polishing)

Peckham Mfg. Co., Newark, N. J.

Leather Stuffing Apparatus

Sturtevant, B. F. Co., Hyde Park, Mass.

Leathers (Pump)

Auburn Auto Pump Co., Auburn, N. Y.
Barwood, L. J. Co., Boston, Mass.
Climax Specialty Co., Elmira, N. Y.
Graton & Knight Mfg. Co., Worcester, Mass.
Houghton, E. F. & Co. ("Vici"), 240 Somerset, Phila., Pa.
Mark Mfg. Co., Evanston, Ill.
Norwich Belt Mfg. Co. (Pump Valve), Norwich, Conn.
Nott, W. S., Co., Minneapolis, Minn.
Sherman, H. B. Mfg. Co., Battle Creek, Mich.

Ledgers (Loose Leaf)

(See Loose Leaf Specialties)

Legs (Counter)

Hardware & Woodenware Mfg. Co. (Cast Iron), 693 B'way, New York

Legs (Sink & Wash Tray)

CENTRAL FOUNDRY CO. (Cast Iron), 37 Wall, New York. (See adv. index, end of book)
Cheney, S. & Son, Manlius, N. Y.
Republic Mfg. Co. (Adjustable Sink Leg & Swinging Seat), 123 W Wash'n, Chicago, Ill.

Legs (Urinal)

(See Urinal Fittings & Trimmings)

Lehrs (Glass)

Dixon, H. L., Co., Roslyn, Pa.

Lenses

American Optical Co., Southbridge, Mass.
Bache, Semon & Co., West & Hubert, New York
Corning Glass Works, Corning, N. Y.
Libbey Glass Co., Toledo, O.
Sneath Glass Co. (All Colors), Hartford City, Ind.

Lenses (Eye Glass)

Tilton Optical Co., Tilton, N. H.

Letter Boxes

(See Boxes, Mail or Letter)

Letters (Cut Glass)

Herrlein & Henrich Co., 97 Hudson, New York

Letters (Metallic)

(See Numbers & Letters, Metal)

Letters (Porcelain Sign)

Colonial Sign & Insulator Co. (For Electric Signs), Akron, O.

Letters (Sign)

Metallic Sign Letter Co. (Metallic), 58 N Clark, Chicago, Ill.

Letters (Sign, Cast Iron)

Benfield & Milne Mfg. Co., Newark, N. J.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Brown & Sharpe Mfg. Co. (Up to 5 feet high), Providence, R. I.
Ziegler Bros. (Removable Metallic) Elgin, Ill.

Letters (Transfer)

Meyercord Co. (Inc.), Chamber of Commerce bldg, Chicago, Ill
Palm Letter Co., 313 Hammond, Cincinnati, O.

Letters (Wood)

Spanjer Bros. (For Signs), Newark, N. J.

*Letters & Figures (House)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)

Letters & Figures (Pattern)

Brim, A. W., Seneca Falls, N. Y.
Butler, A. G. (White Metal for Iron & Brass Castings, also for Machinery, Bridges, Tables, etc), 284 Pearl, New York
Cleveland Fillet Co. (White Metal), Cleveland Ohio
Cleveland Galvanizing Works (Steel), Cleveland, O.
Everett, A. & Son, Auburn, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoggson & Pettis Mfg. Co. (Steel), New Haven, Conn
Knight, H. W. & Son, Seneca Falls, N. Y.
Konigslow Stamping & Tool Works (Steel), Cleveland, O
Matthews, Jas. H., & Co. (Pattern House, etc.), 306 Wood, Pittsburg, Pa.
Ness, Geo. M., Jr. (Steel), 61 Fulton, New York
Niagara Falls Metal Stamping Works (Steel), Niagara Falls, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
OSBORN MFG. CO., Cleveland, O. (See adv. index, end of book)
Parker, T. M., Hartford, Conn.
Pattern Letter Co. (White Metal & Brass) Taunton, Mass
St. Louis Electrotype Foundry, 214 Pine, St Louis, Mo.
Schwerdtle Stamp Co., Bridgeport, Conn.
Shanafelt Mfg. Co., Canton, O.
Timmis & Chissold, Boundbrook, N. J.
Turner Brass Works, Franklin & Michigan Chicago, Ill
Woodman, R. Mfg. & Supply Co. (Steel), Boston, Mass

Letters & Figures (Steel)

Cleveland Steel Stamp Works, Cleveland, O.
Hanson, C. H. ("Machine Made, Cold Rolled"), 44 Clark, Chicago, Ill.

*Letters & Figures ("Willson" Gummed Paper)

TABLET & TICKET CO., 70-86 Jackson boul, Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Levels

Ainsworth, Wm. & Sons ("Wye"), Denver, Colo.
Athol Machine Co. (Iron Pocket, Plumbers', Machinists', Iron Bench, Carpenters', etc.), Athol, Mass.
Automatic Level Co. ("Hights"), Toledo, O.
Baker, McMillen Co. ("Akron," "Standard" & "Eclipse," Carpenters' & Masons' Levels), Akron, O.
Beckmann, L. Co., Toledo, O.
Bender, Ph. J. & Sons (Machinists, etc.), 87 Frankfort, New York
Berger, C. L. & Sons, Boston, Mass.
Bostrom-Brady Mfg. Co. ("Bostrom," Builders & Farm), Atlanta, Ga.
Chapin-Stephens Co. (Adjustable & Non-Adjustable Machinists', Brass Cornered, etc.), Pine Meadow, Conn.
Davis & Cook (Spirit, "Cooks" Patent, also "Davis & Cook" Plumb & Level, Aluminum), Watertown, N. Y.
Deck, T. F., Gravity Level Co. (Gravity), Toledo, O.
Dietzgen, Eugene Co., 181 Monroe, Chicago, Ill. etc.), 221 Fulton, New York
Disston, Henry & Sons (Inc.) (Iron, Shafting, Pocket, Machinists', etc.), Tacony, Philadelphia, Pa.
Eden Specialty Co. ("Roe" Plumb & Level), 4314 3d av, Brooklyn, N. Y.
Gardam, Wm. & Son (Architects', Builders', etc.), 47 Rose, New York
Goodell-Pratt Co. (Rocket, Bench, Engineers', etc.), Greenfield, Mass.
Gurley, W. & L. E. (Architects', Engineers', etc.), Troy, N. Y.
Hanna Mfg. Co., Troy, N. Y.
Helb, Edward ("American" Combined Level & Grade Finder), Railroad, Pa.
Iszard-Warren Co. (Inc.) ("Sterling"), 1122 Vine, Phila., Pa.
Keuffel & Esser Co. (Architects', Engineers', etc.), 127 Fulton, New York
Lietz Co., San Francisco, Cal.
Millers Falls Co. (Iron), 28 Warren, New York; Works: Millers Falls, Mass.
Pfister, Herman (Architects' & Builders'), 428 Plum, Cincinnati, O.
Putnam Machine Co. (Iron, Machinists', etc.), Fitchburg, Mass
QUEEN & CO. (Inc.), (Architects', Engineers', etc.), n w c 8th & Arch, Phila Pa. (See adv. index, end of book)
Sawyer Tool Mfg. Co. (Cross Adjustable Bench), Fitchburg, Mass.
Smith, E. G. Co. ("Which Way" Pocket), Columbia, Pa.
Smith, S. O. (Box Wood, etc.), Newark, N. J.

SOLTMANN.E.G.

(Architects' & Engineers'; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Springfield Level & Tool Co. (Spirit), 54 Taylor, Springfield, Mass.
Stanley Rule & Level Co. (Bit & Square, Iron Pocket, etc.), New Britain, Conn., & 107 Chambers, New York
STARRETT, L. S., CO. (Iron, Adjustable Bench, etc.), Athol, Mass. (See adv. index & branch offices, end of book)
Stratton Bros. (Cat's Eye Level Glass, etc.), Greenfield, Mass.
Telgmann & Torka (Inc.), San Francisco, Cal.
Tower & Lyon Co. (Unique & P. & L.), 95 Chambers, New York
Wright, Frank (Farm), Cave Spring, Ga.
Young & Sons (Engineers', etc.), 47 N 7th, Phila, Pa.

*Levels (Hydrostatic)

WEBSTER MFG. CO. ("Macdonald"), 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

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Levels (Track)

Anderson, W. H. Tool & Supply Co., 14 Mason comb. Detroit, Mich.
Buda Foundry & Mfg. Co. ("McManus" Combined Track Gauge, Level, etc.), Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill
Chapin-Stephens Co., Pine Meadow, Conn.
Cook's Standard Tool Co. ("Standard"), Kalamazoo, Mich.
FAIRBANKS, MORSE & CO. ("Duplex," "McHenry," etc.), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Handlan-Buck Mfg. Co., 212 N 3d, St. Louis, Mo.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 109 Chambers, New York. (See adv. index end of book)
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Pittsburg Tool & Drop Forge Co., Chesswick, Pa.
Sheffield Car Co. (The McHenry), Three Rivers, Mich.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.

Library Shelving & Fittings (Metallic)

American Iron & Wire Works ("Allen's 20th Century"), 575 Carroll av, Chicago, Ill.
Art Metal Construction Co., Jamestown, N. Y.
BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)
Canton Art Metal Co., Canton, O.
Federal Steel Fixture Co., 497 W Kinzie, Chicago, Ill.
GENERAL FIREPROOFING CO. ("Allsteel"), Youngstown, O., & 156 5th av, New York. (See adv. index & branch offices, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N.Y.
Krag Imperial Cabinet Co. ("All Steel"), Chicago, Ill.
Jamestown Metal Furniture Co., Jamestown, N. Y.
Library Bureau, 530 Atlantic av, Boston, Mass.
SNEAD & CO. IRON WORKS ("Green's"), ft of Pine, Jersey City, N. J. (See adv. index, end of book)
Steel Fixture Mfg. Co., Topeka, Kan.
Stikeman, Geo. ("Stikeman"), 55 W 20th, New York

*License Plates (Vehicle)

NIAGARA FALLS & METAL STAMPing Works, Niagara Falsl, N. Y. See adv. offices, end of book)

Lids (Journal Box)

Davis Solid Truss Brake Beam Co., Wilmington, Del.
Kinzer & Jones Mfg. Co., 101 Penn av., Pittsburg, Pa.
McCord & Co., Old Colony bldg, Chicago, Ill.
Railway Steel Spring Co. (Pressed Steel), 30 Church, New York
Symington, T. H. Co., Baltimore, Md., & Corning, N. Y.
Union Spring Mfg. Co., New Kensington, Pa.

Life Boats

(See Boats, Life; also Life Rafts)

Life Nets

(See Nets, Life Saving)

Life Preservers

Armstrong Cork Co. ("Acme"), 000 Thomas, Pittsburg, Pa.
Carley Life Float Co., Betz bldg, Phila., Pa
Drein, Thos. & Sons, Wilmington, Del.
Goodyear Rubber Co., 787 B'way, New York
Hodgman Rubber Co., 806 Broadway, New York
Kahnweiler's, David Sons Co., 2 Dover, New York
Lane & De Groot, 17 Battery pl., New York
National India Rubber Co., Bristol, R. I.

Life Rafts

American Ship Building Co., Cleveland, O.
Carley Life Float Co. ("Carley" Life Floats), Boston, Mass.
CARPENTER, GEO. B. & CO., 2002 S Water, Chicago, Ill. (See adv. index, end of book)
Detroit Shipbuilding Co. (Brass Dept.: ("Clark's" Metallic), Detroit, Mich.
Kahnweiler's David Sons Co. (Rafts & Boats), 2 Dover, New York
Lane & DeGroot Co. (Metallic), 17 Battery pl, New York
Moore, Enoch (Life Boats), Wilmington, Del.
Munn, Thos. C. Co. (Also Life Boats), Wilmington, Del.

Lifters (Car Step)

Consolidated Car Fender Co. ("Miller"), Providence, R. I.

Lifters (Stove Lid)

Arcade Mfg. Co. ("Devore," "Zero," "Siberian," "Arcade" & "New Idea"), Freeport, Ill.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill
Fanner Mfg. Co. ("Arctic," "Chilkoot" Steel Wire Handle), Cleveland, O.
Griswold Mfg. Co. ("Erie"), Erie, Pa.
Hamblin & Russell Mfg. Co. ("Crown," "Grip"), Worcester, Mass.
Hardware & Woodenware Mfg. Co., 683 B'way, New York
Hunt, Helm, Ferris & Co. ("Star" Wire), Harvard, Ill.
Stover Mfg. Co., Freeport, Ill.
Troy Nickel Works (Jno. E. Gaitley, Prop.) ("Alaska" Nickel Plated), Albany, N. Y.
Wire Goods Co., Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

Lifts (Acid)

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.

Lifts (Air)

(See Lifts, Pneumatic; also Pneumatic Pumping Systems)

Lifts (Ash)

(See Hoists, Ash)

*Lifts (Book)

BERGER MFG. CO., THE, Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)

Lifts (Hydraulic)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Coffin Valve Co. (For Large Water Gates), Neponset, Boston, Mass
Lewis Foundry & Machine Co., Cornopolis, Pa.
Wood, R. D. & Co. (Portable), 400 Chestnut Phila., Pa.

Lifts (Magnetic)

(See Magnets, Lifting)

*Lifts (Motor Armature)

DUFF MFG. CO. ("Barrett's"), N S Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lifts (Motor, Car Pit)

(See also Cranes; also Hoists)

American General Engineering Co. ("A. G. E." Air Lift), 253 B'way, New York
Brill, J. G. Co., 63d & Woodland, Phila., Pa
Columbia Machine Works & Malleable Iron Co. ("Columbia," Pneumatic), 269 Chestnut, Brooklyn, N. Y.
DUFF MFG. CO. ("Barrett's"), N S Pittsburg, Pa. (See adv. index & branch offices, end of book
Patten, Paul R., Salem, Mass.
Quincy, Manchester, Sargent Co. ("Q. & C." Pneumatic), Plainfield, N. J.
VAN DORN & DUTTON CO., 2714 E 79th, S E, Cleveland, O. (See adv. index, end of book)

Lifts (Pneumatic)

(See also Pneumatic Pumping Systems; also Lifts, Water)

American Air Compressor Works, 26 Cortlandt, New York, & Van Brunt & Summit, Brooklyn, N. Y.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Hudson Engineering & Contracting Co., 90 West, New York
INGERSOLL-RAND CO. ("Pohle" & "Saunders," for Water, & "Moran" & "Moser," for Oil), 11 B'way, New York. (See adv. index & branch offices, end of book)
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
McKiernan Drill Co., 115 B'way, New York
Miles, Geo. Co., Winsted, Conn.
Miles Pneumatic Tube Co., 1123 B'way, New York
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Lifts (Sash)

Arcade Mfg. Co., Freeport, Ill.
Brass Goods Mfg., Nevin c Union, Brooklyn, N. Y.
Columbian Hardware Company ("Columbian"), Cleveland, O., & 108 Church, New York
Corbin, P. & F., New Britain, Conn.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Griffin Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co., 683 B'way, New York
Ives, Hobart B. Co., New Haven, Conn.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Shelby Spring Hinge Co. (Steel Hook, also Bronze & Brass, Polished), Shelby, O.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
VOELKNER & HARRY MANUFACTURing Co. (Bar, Flush & Hook, Polished Brass & Japan), 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Lifts (Sidewalk)

(See Elevators, Sidewalk)

Lifts (Transom)

Dearborn Hardware Mfg. Co. ("Dearborn" Grip Self Locking), 1344 Carroll av, Chicago, Ill.
Hine-Watt Mfg. Co., 00 Wabash av, Chicago, Ill.
Ormsby, E. A., 10 Thacher, Boston, Mass.
Payson Mfg. Co., 1319 W Jackson boul, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Reading Screw Co. (Colton Self-Locking Push Button), Norristown, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Supplee Hardware Co., 503 Market, Phila., Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Lifts (Water)

(See also Lifts, Pneumatic)

AMERICAN WELL WORKS ("Chapman's" Patent Air Water Lift System), Aurora, Ill. (See adv. index & branch offices, end of book)
Bishop & Babcock Co. ("Eureka" Automatic), Hamilton & 49th, Cleveland, O.
Braender, Philip (Automatic), 143 W 125th, New York
Buckeye Pump & Mfg. Co. ("Buckeye" Automatic), Columbus, O.
Cleveland Faucet Co. ("Champion" Automatic), 706 Franklin av, N W, Cleveland, O.
Clow, Jas. B. & Sons ("Clow"), 344 Franklin, Chicago, Ill

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Humphrey, F. J. Co. ("National"), Kalamazoo, Mich
INGERSOLL-RAND CO. ("Pohle" & "Saunders"), 11 B'way, New York. (See adv. index, end of book)
Monarch Specialty Mfg. Co. ("Monarch"), Columbus, O.
Noppel Pump Co., Hartford, Conn.
Ohio Pump & Brass Co. (Improved "Triumph" Hydraulic), 18th & Oak, Columbus, O.

Light House Builders

Bartlett, Hayward & Co., Baltimore, Md.
Lewis, Henry B., Detroit, Mich.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

Lighters (Cigar)

American Electrical Novelty Mfg. Co. ("Ever Ready," Electric), 308 Hudson, New York
Besseltric Lighter Co. ("Besseltric" Electric), Scranton, Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Braun, D. J. Mfg. Co., Chicago, Ill.
Brunhoff Mfg. Co. (Cutter & Lighter Combined), Cincinnati, O.
Cowles, C. Co. (Electric), New Haven, Conn.
Eldred Mfg. Co. ("Wizard" Electric), 419 N Clark, Chicago, Ill.
Erie Specialty Co., Erie, Pa.
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gleason, E. P. Mfg. Co., 87 Murray, New York
Herz Mfg. Co., St. Paul, Minn.
Higgin Mfg. Co., Newport, Ky.
Mahony Bros. ("Chicago," Electric), 134 Van Buren, Chicago, Ill
Match-less Light Co. ("Matchless." Electric). Caxton bldg, Cleveland, O.
Metal Specialty Co., Chicago, Ill.
New England Novelty Mfg. Co., Boston, Mass.
Ohio Electric Works (Electric Portable), Cleveland, O.
Standard Mfg. Co. ("Crown," Pendant Electric), Auburn, Ind
Wolff, Alfred & Co. (Electric), 45 Vesey, New York

Lighters (Electric, Gas)

(Above Means Torches; see also Burners, Electric, Gas Lighting)
American Electrical Novelty & Mfg. Co. ("Ever Ready"), 308 Hudson, New York
Bogart, A. L. ("Bartholdi"), 123 Liberty, New York
Cowles, C. Co., New Haven, Conn.
Heinrich Electrical Novelty Co., 173 Grand, New York
Loomis Specialty Co., Minneapolis, Minn.
Mystic Gas Light Co., 206 B'way, New York
Roche, Wm., Jersey City, N. J.
Standard Sheet Metal Co. ("Rayflex"), Passaic, N. J.
Stanley & Patterson ("Matchless"), 23 Murray, New York
Univevrsal Novelty Co. ("Aladdin"), 163 W 29th, New York

Lighters (Range & Gas)

Standard Sheet Metal Co. ("Rayflex"), Passaic, N. J

Lighting Systems

Engineering of Light & Illumination Co. (All Forms of Light), 25 Broad, New York

Lightning Indicator

Bajohr, Carl Lightning Rod Works, 4061 Keokuk, St. Louis, Mo.

Lightning Rods

Ajax Conductor & Mfg. Co., 269-271 S. Desplaines, Chicago, Ill.
Bajohr, Carl, 4061 Keokuk, St. Louis, Mo.
Baltimore City Lightning Rod Works, Baltimore, Md.
Boston Lightning Rod Co., 28 Beach, Boston, Mass.
Buck, W., 1728 Ridge av, Philadelphia, Pa.
Cole Bros. Lightning Rod Co., St. Louis, Mo.
Cole Bros. & Johnson, Sherman, Tex.
Dodd & Struthers, Des Moines, Ia.
Doughty, J. H., Greeneville, Tenn.
Foy, Edw. A. & Co., 409 E 8th, Cincinnati, O.
Goodwin, Fredk. O., 53d & Wyalusing, Phila.,
Gorman, M. J., 640 Main, Cincinnati, O. Pa
Heinle, Wm. G., 1347 Ridge av, Phila., Pa.
Hess & Leatherman, Pittsburg, Pa.
HUNGERFORD, U. T. BRASS & COPper Co. (Copper), 407 Pearl, New York
Jackson & Cook, 318 Market, Phila., Pa.
Johnson, Chas., 52 John, New York
JONES, THOS. W., 22 Burling sl, New York. (See adv. index, end of book)



COPPER LIGHTNING RODS

Complete systems installed on churches, hospitals, residences, flag poles, stacks, etc.

Steeple and tower climbing without scaffolding.

Repair work a specialty.

THOMAS W. JONES
22 Burling Slip
NEW YORK

Telephone connection.

Weather Vanes
Church Crosses, Finials, etc.

Keyes Bros., Lewiston, Me.
Kuehling, J. H. Co., 502 12th, N. W., Washington, D. C.
Lightning Protective Co., 6 Beacon, Boston, Mass.
Lyon, C. R. & Son, 13 N 18th, Newark, N. J.
Manhattan Brass Co., 338 E 28th, New York
Moore Bros. Lightning Rod Co., Graham, Mo.
National Cable & Mfg. Co. (Pure Copper Cable), Niles, Mich.
Seyburn, Hunter & Co., 488 N American, Phila., Pa., & 99 W Adams, Chicago, Ill.
Sadler, D. M. & Co., 907 N Arlington av, Baltimore, Md.
St. Louis Lightning Rod Co., 1001 S 2d, St. Louis, Mo.
Security Lightning Rod Co., Burlington, Wis.
Shute, E. M., 1003 Myrtle av, Brooklyn, N. Y.
Smith, J. W., Galesburg, Ill.
Southern Lightning Rod Co., 819 Iberville, New Orleans, La.
Struthers, Reuben F., Peoria, Ill.
Washburne, Edw. G. & Co. (Copper), 46 Cortlandt, New York
Westervelt, A. B. & W. T., 102 Chambers, New York

Lights (Desk, Electric)

Alexander, J. Co. ("Ferguson"), 1931 B'way, New York
Almond, T. R. Mfg. Co., Ashburnham, Mass.
American Brass & Copper Co., 138 Lafayette, New York
Butler Mfg. & Plating Co., Boston, Mass.
Dale Co., 9th av, & 13th, New York
D'Oller, Henry, Jr. Co., 119 S 11th, Phila., Pa.
Faries Mfg. Co., Decatur, Ill.
Forg, Peter, Somerville, Mass.
Gall-Webb Mfg. Co., Buffalo, N. Y.
H. C. K. Co., 30 Greenwich av, New York
Killoch, David Co. ("Kinsman," Daylight), 193 Greenwich, New York
Klemm & Co., 132 N 5th, Phila., Pa.
McLeod, Ward & Co. ("Kinsman"), 27 Thames, New York
MORSE, FRANK W., 516 Atlantic av, Boston, Mass. (See adv. index, end of book)
O'Brien Elec. Light Co., 1710 Market, Phila., Pa.
Oliver Mfg. Co. ("Flexilite"), 420 Sansom, Phila., Pa.
Overbagh & Ayres Mfg. Co. ("Oamco"), 232 S Clinton, Chicago, Ill
Pacific Electric Co. ("Espersen"), La Crosse, Wis.
Scribner, A. C., Gloversville, N. Y.
Stanley & Patterson ("Sunlight"), 23 Murray, New York
Stuart-Howland Co. ("S. H."), Boston, Mass.
Wells Light Mfg. Co. ("Wallworks"), 14 Church, New York
Wheeler Reflector Co., Boston, Mass.
White, J. H. Mfg. Co. ("Zenith"), 111 N 3d, Brooklyn, N. Y.
White, O. C. Co., Worcester, Mass.

Lights (Stage, Electric)

(Bunch, Foot, Spot, Etc.)

Bissell, F. Co., Toledo, O.
Campbell Electric Co., Lynn, Mass.
Chase-Shawmut Co., Shawmut, Mass.
Globe Electric Co., 419 W 42d, New York
Kansas City Scenic Co., Kansas City, Mo.
Menchen, Jos. Electrical Co., 360 W 50th, New York
Metropolitan Elec. Stage Lighting Co., 123 W 40th, New York
Pennefather, J. S., 105 W 39th, New York
Superior Electric Co., 520 W 40th, New York
Universal Elec. Stage Lighting Co. ("Kliegl"), 1303 B'way, New York

Ligni-Salvor (Wood Preserve)

Menzel, Wm. & Son, 68 Broad, New York

Lignum Vitae Turnings

Sandusky Tool Co., Sandusky, O.
Seib Bros., Jersey City, N. J.

Lime (Caustic)

American Lime & Stone Co., Tyrone, Pa.

Lime (Chemical)

New Jersey Lime Co., Hamburg, N. J.
Palmer Lime & Cement Co. ("Palmer," 99 per cent. Pure Carbonate), 149 B'way, New York

Lime (Ground & Crushed)

American Lime & Stone Co. (Also Ground Limestone), Tyrone, Pa.
California Portland Cement Co., Los Angeles, Cal.; Works: Colton, Cal.
Kelley Island Lime & Transport Co. (Bulk & Barrel), Cleveland, O.
National Mortar & Suppy Co., Pittsburg, Pa.
Ohio & Western Lime Co., Huntington, Ind.
Scioto Lime & Stone Co., Delaware, O.
Toledo White Lime Co., Toledo, O.
Woodville White Lime Co., Toledo, O.

Lime (Hydrated)

A. & C. Stone & Lime Co. (Portland White Lime), Indianapolis, Ind.
AMERICAN CONCRETE CO., 50 William, New York. (See adv. index, end of book)
Ash Grove Lime & Portland Cement Co., Kansas City, Mo.
Chickamauga Cement Co. (Hydrated Portland Lime), Chattanooga, Tenn.
Cleveland Builders' Supply Co. ("Excelsior"), Cleveland, O.
Hannibal Lime Co., Hannibal, Mo.
Kelley Island Lime & Transport Co. ("Tiger" Brand, White Rock Finish), Cleveland, Ohio
Knickerbocker Lime Co., Phila., Pa.
Marblehead Lime Co. (Pure Calcium), Kansas City, Mo.
National Mortar & Supply Co. ("Banner"). Pittsburg, Pa.
New Jersey Lime Co., Hamburg, N. J.
Ohio & Western Lime Co. ("Diamond"), Huntington, Ind.
Scioto Lime & Stone Co., Delaware, O.
Warner, Chas. Co. ("Limoid"), Wilmington, Del.
Woodville White Lime Co., Toledo, O.

Lime (Hydraulic)

Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y.
DOGGETT & STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Fowler & Fay ("Brown"), Mankato, Minn.
Ladd Lime Co., Cartersville, Ga.
Menominee Brick Co., Menominee, Mich.
KON-STAINING CEMENT CO., 156 5th av, New York. (See adv. index, end of book)
Sheedy, Thos. W., Fayetteville, N. Y.

Lime (Magnesian White)

Lee Lime Co. (For Sulphite & Rag Paper Mills. Hard Plaster, Scratch & Brown Coat, etc.). Lee, Mass.

Lime Mfrs.

(For Lime Dealers see Masons' & Builders' Materials)

ALABAMA.

ANNISTON—Anniston Lime & Stone Co.
Lagarde Lime & Stone Co.
Woolstock Iron Works
CALERA—O'Neal, C. L.
FORT PAYNE—Standard Lime Co
LONG VIEW—Adams, J. B.

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ARKANSAS.

BENTONVILLE—Benton County White Lime Co.
FAYETTEVILLE—Ozark White Lime Co.
ROGERS—Rogers White Lime Co. (White)

CALIFORNIA.

LOS ANGELES—Los Angeles Lime Co.
Oro Grande Lime & Stone Co.
Union Lime Co.
SAN FRANCISCO—Cowell, Hy. Lime & Cement Co., 15 East
Holmes Lime Co., Mutual Sav. B'k bldg
Patent Brick Co., 331 Berry

COLORADO.

DENVER—Barrows, G. A. Lime Co.
Colorado Lime & Fluxing Co.

CONNECTICUT.

CANAAN—New England Lime Co.
EAST CANAAN—Canfield Lime Co.

DELAWARE.

WILMINGTON—Warner, Chas. Co. ("Limoid")

DISTRICT OF COLUMBIA.

WASHINGTON—Knott & Moler, 28th c K, N W

GEORGIA.

GAINESVILLE—Deal, C. L. & Son
GRAYSVILLE—Church, M. M.
Hale, W. F.

ILLINOIS.

CHICAGO — Artesian Stone & Lime Works, Grand & Campbell avs
Brownell Improvement Co., Cham. of Com.
Chicago Lime Co., 138 Wash. bldg
Chicago & Union Lime Works Co., W 19th & S Lincoln
Druecker, N. J. & Co., 847 Clybourn av
Marble Head Lime Co., Masonic Temple
Stearns Lime & Stone Co., 165 E Randolph
Templeton Lime Co., 510 N Homan av
Waukesha Lime & Stone Co. (White Lime), 172 Washington
Wisconsin Lime & Cement Co., Chamber of Commerce bldg
FREEPORT—Grant, Mrs. Jennie
FULTON—Alden Lime Co.
PORT BYRON—Port Byron Lime Association
QUINCY—Menke, F. W. Stone & Lime Co.
Meyer, W. D. (Marble White)
Quincy White Lime & Cement Co.
ROCKFORD—Hart & Page

INDIANA.

DELPHI—Delphi Lime Co.
Harley Bros.
EVANSVILLE—Eichel Lime & Stone Co.
FORT WAYNE—Moellering's, Wm. Sons
GREENCASTLE—Oakalla Stone & Lime Co.
HUNTINGTON—Ohio & Western Lime Co. (White)
INDIANAPOLIS—A. & C. Stone & Lime Co.
MITCHELL—Mitchell Lime Co. (White)

IOWA.

DES MOINES—Des Moines Fuel & Lime Co.
MASON CITY—Mason City Lime & Cement Co
VIOLA—Iowa Lime Co.

KANSAS.

CHANUTE—Kansas Lime Co.

KENTUCKY.

GLASGOW—Dickinson Bros.
LOUISVILLE—Union Cement & Lime Co., 421 Utica Lime Co., 421 W Main W Main
MOUNT VERNON—Kruger & Sons
Sparks, W. J.

MAINE.

ROCKLAND—Bird, A. J. & Co.
Gay, A. C. & Co.
Rockland-Rockport Lime Co.
THOMASTON—Creighton, Jas. A. & Co.

MARYLAND.

BALTIMORE—Gegner, Geo. A., Eastern av c Clinton
Maryland Lime & Cement Co., Carroll bldg
National Building Supply Co., 418 East Pratt
Platt & Co. (Shell), ft Clement
Standard Lime & Stone Co., Equitable bldg
Washington Building Lime Co., Equitable bldg
BUCKEYSTOWN—Standard Lime & Stone Co.
Washington Bldg Lime Co.
TEXAS—Ditman, W. C.
Lindsay, William P.

MASSACHUSETTS.

ADAMS—Hoosick Valley Lime & Marble Co.
New England Lime Co.
BOSTON—Carter, Thos. W., 30 Kilby
FISKE & COMPANY (Inc.) (Jobbers), 25 Arch. (See adv. index, end book)
CHESHIRE—Cheshire Lime Mfg. Co. of
Farnum Cheshire Lime Co. (Cheshire Finishing Lime)
LEE—Lee Lime Co. (Magnesia White Lime)

MICHIGAN.

ALPENA—Collins, Richard
DETROIT—Houghten, Henry, 806 Hammond bldg
Little, C. H. Co., Peninsular Bank bldg
ELK RAPIDS—Elk Cement & Lime Co.
GRAND RAPIDS—Superior Lime Co.
MANISTIQUE—White Marble Lime Co.
MENOMINEE—Lyon Bros.
SAGINAW—Remer Bros., 300 Madison

MINNESOTA.

MANKATO—Fowler & Pay ("Brown" Hydraulic)
Mankato Lime, Stone & Fuel Co.
ST. PAUL—Northwestern Lime Co., 68 Lower
Shakopee Cement & Lime Mfg. Co., 220 Chestnut
SHAKOPEE—Shakopee Cement & Lime Mfg. Co.
WINONA—Willis, H. J.

MISSOURI.

BOONVILLE—Lohse & Miller
CAPE GIRARDEAU—Cape Lime & Marble Co
CARTHAGE—Carthage Marble & White Lime Co.
CENTAUR STATION—Centaur Lime Co.
HANNIBAL—Empire Lime Co.
Hannibal Lime Co.
Star Lime Co.
KANSAS CITY—Ash Grove Lime & Portland Cement Co. ("Ash Grove" White)
Brockett, C. A. Cement Co., 121 W 8th
Marblehead Lime Co. (Pure Calcium)
Phoenix Stone & Lime Co., 1901 Olive
LOUISIANA—Crystal Carbonate Lime Co.
Marblehead Lime Co.
PEIRCE CITY—Peirce City Lime Co. (White)
ST. LOUIS—Carthage Marble & White Lime Co., Wainwright bldg
Glencoe Lime & Cement Co., 1400-A Old Manchester rd
Goetz, C. W. Lime & Cement Co., 3527 Gratiot
Hunkins-Willis Lime & Cement Co., 18th St Bridge
Ste. Genevieve Lime Co., Mermod & Jaccard bldg
Union Sand & Material Co. ("Red Diamond"), Leggett bldg
SPRINGFIELD—Marblehead Lime Co.

NEW JERSEY.

CAMDEN—Camden Lime Co.
HAMBURG—New Jersey Lime Co.
Windsor Lime Co.
McAFEE VALLEY—New Jersey Lime Co.
NEWARK—Newark Lime & Cement Mfg. Co., ft Bridge
Phillips White Rock Lime Co., 125 Front
PEAPACK—Todd, Philip
TRENTON—Richardson, J. B. & Son

NEW YORK.

BIGFLOW—Williams, Chas. & Co. (Mostly In Bulk)
BINGHAMTON—Ballard, J. W. Co.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Carroll Bros., 490 Ellicott sq
Reeb, M. A., 599 Mich
Ross, Jas. H., 141 Erie
CALEDONIA—Caledonia Marl & Lime Co.
CHAUMONT—Adams & Duford Co. ("Chaumont" White Lime in Bulk & Barrel)
CHAZY—Chazy Marble Lime Co.
FAYETTEVILLE—Bangs-Graynor Cement & Plaster Co. (Water, Lime or Cement)
Sheedy, Thos. W. (Water Lime or Cement)
GLENS FALLS—Finch, Pruyn & Co.
KINGSTON—Gill, David, Jr., 220 E Strand
NEWBURGH—Harrison, Jno. J. E., 490 B'way

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Rockland-Rockport Lime Co., Newtown Creek & Morgan av

Boroughs of Manhattan & Bronx.

NEW YORK—Bloomer & Co., 290 Front
FISKE & CO. (Inc.) (Jobbers) Flat Iron bldg. (See adv. index, end of book)
Palmer Lime & Cement Co. ("Cheshire" "Bellefonte" "Palmer" "Yorktown Heights" "Connecticut White" "Hardsell" "Hoosac Valley"), 149 B'way
Reardon, Dennis, 74 Cortlandt

(End of New York City)

ROCHESTER—Rochester Lime Co., 309 W
SODUS CENTER—Mather, E. B. Main
SYRACUSE—Britton, Israel E., 201 W. Onon
UTICA—Conley, F. E. Stone Co.

OHIO.

BUCYRUS—Broken Sword Stone Co.
CEDARVILLE—Ervin, D. S. Co. (Large)
CLEVELAND—James, Ralph T., 5313 Euclid
Kelley Island Lime & Transport Co., Rockefeller bldg
COLD SPRINGS—Strunk-Meyer Lime Co.
COLUMBUS—Columbus Macadam Co., McKinley av
DELAWARE—Scioto Lime & Stone Co.
FOSTORIA — Ohio & Western Lime Co. (Ground & in Lump)
GENOA—Ohio & Western Lime Co. (White)
GIBSONBURG — Ohio & Western Lime Co. (White)
Zorn, Hornung Co.
LUCKEY—Doherty & Co.
MARION—Evans, John, Lime & Stone Co.
Ohio & Western Lime Co.
PATTERSON—Herzog, Jno. & Son
PIQUA—Ohio Marble Co.
SPRINGFIELD—Mills Bros., 107 S Limestone
Moores Lime Co. ("Springfield").
TOLEDO—Doherty & Co., ft of Washington
Ohio & Western Lime Co.
Woodville White Lime Co. (White)

OREGON.

PORTLAND—McCraken, J. Co., 231 Pine
Nottingham & Co., ft Wash'n
Oregon Lime & Plaster Co., ft 14th

PENNSYLVANIA.

ALLENTOWN—Ochs, M. T. J.
Ochs, M. T. J.
BELLEFONTE—Bellefonte Lime Co.
CANOE CREEK—Blair Limestone Co.
CARLISLE—Goodyear Bros.
DRYVILLE—Angstadt, Rudolph H.
EASTON—Easton Lime Co.
FRANKSTOWN—American Lime & Stone Co.
FRAZER—Knickerbocker Lime Co.
MORGANTOWN—Binder, Dallas
NEW CASTLE—Croton Limestone & Brick Co.
NORRISTOWN—Richardson & Ross
PHILADELPHIA—Cox's, C. A., Sons, 2145 N American
FRENCH, SAM'L H. & CO., 4th & Callowhill. (See adv. index, end of book)
Knickerbocker Lime Co. (Inc.), 366 N 24th
Lukens & Yerkes, Commonwealth bldg
Lyster Supply Co., 30th and Spruce
Warner, Chas. Co. (Cedar Hollow, Wrightville & Potomac Lime Stone), Land Title bldg
PITTSBURG—Houston Bros. Co., 32d & P. R. R.
McKallip & Co.
National Mortar & Supply Co. ("Banner Hydrate"), 200 9th
PLYMOUTH MEETING—Corson, G. & W. H.
Cox Lime & Crushed Stone Co.
READING—Reading Lime Co.
SCRANTON—Haslam Lime Co.
Kellar, Luther
Paragon Plaster & Supply Co.
SHENANDOAH—Roberts, Samuel G.
TYRONE—American Lime & Stone Co.
WAYNESBORO—Decarbonated Lime & Stone Co.
WRIGHTSVILLE—Steacey & Wilton Co.
YORK—Baker, J. E., & Co.
York Valley Lime Co.
YORK SPRINGS—Trostel, Geo. H.

RHODE ISLAND.

LIMEROCK—Harris, Herbert

SOUTH CAROLINA.

GAFFNEY—Carroll & Co.

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SOUTH DAKOTA.

PRINGLE—Black Hill Lime Co.

TENNESSEE.

BURNS—Allen, Jesse & Co.
CHATTANOOGA—Gager Lime & Mfg. Co.
KNOXVILLE—Kinzel Lime Co.
Knoxville Lime Co.
Tennessee Lime & Sand Co.
MEMPHIS—Denie's, Jno. A. Sons (Ala. Ark., & Tenn. Lime)
Wright Lime & Cement Co.
NASHVILLE—Hardison, W. T. & Co., 115 S Front
Tennessee Cement & Lime Co.
SHERWOOD—Gager Lime & Mfg. Co.

TEXAS.

AUSTIN—Austin White Lime Co.
EL PASO—El Paso Ice & Refrigerator Co.
FORT WORTH—Fort Worth Lime Works
ROUND ROCK—Walsh, Wm. & Co.

UTAH.

SALT LAKE CITY—Langton Lime & Cement Co.

VERMONT.

AMSDEN—Amsden Lime Co.
IRA—Day, Dexter D.
LEICESTER JUNCTION—Brandon Lime & Swinington, J. C. & J. A. Marble Co.
NORTH POWNAL—New England Lime Co.
SAINT ALBANS—Fonda, W. B.
SWANTON JUNCTION—Rich, Jno. P.

VIRGINIA.

RICHMOND—Lea, A. S. & Sons Co.
Moore Lime Co., 17th & Dock
RIVERTON—Riverton Lime Co.
STEPHENS CITY—Grove, M. J. Lime Co.

WASHINGTON.

DEER HARBOR—Imperial Lime Co.
Orcas Lime Co.
FRIDAY HARBOR—Cowell, Hy. Lime & Cement Co.
ROCHE HARBOR—Tacoma & Roche Harbor Lime Co.
SPOKANE—Idaho Lime Co.
Washington Brick, Lime & Mfg. Co.
TACOMA—Tacoma & Roche Harbor Lime Co.

WEST VIRGINIA.

BAKERTON—Washington Building Lime Co.
BUNKER HILL—Baker, J. E., & Co.
MARTINSBURG—Berkley Limestone Co.
Standard Lime & Stone Co.

WISCONSIN.

APPLETON—Marston Bros.
FOND DU LAC—Standard Lime & Stone Co.
GRAFTON—Anschuetz & Co.
Milwaukee Falls Lime Co.
MAYVILLE—Mayville White Lime Works
MENASHA—Plummer, H. H.
MARBLEHEAD—Nast Bros. Lime & Stone Co.
MILWAUKEE—Empire Lime & Stone Co.
Milwaukee Falls Lime Co., Humboldt av & Commerce
Western Lime & Cement Co., Pabst bldg
OSHKOSH—Cook & Brown Lime Co.
Kusche, E.
QUARRY—Empire Lime & Stone Co.
RACINE—Horlick Lime & Stone Co.
ROCKFIELD—Mace Lime Co.
SHEBOYGAN—Sheboygan Lime Works
TEMPLETON—Templeton Lime & Stone Co.
WATERTOWN—Racek & Maldaner
WEST SUPERIOR—Superior Mfg. Co.

Lime Packers

(See Cement Packers)

Lime (Vienna)

Hanson & Van Winkle Co., Newark, N. J.

*Limestone (French)

ROCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Limestone (Ground & Powdered)

Casparis Stone Co. (Ground Limestone), Columbus, O.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Kelley Island Lime & Transport Co., Cleveland, O.
Moline Stone Co. (Ground Limestone), Moline, Ill.
Osborn, Clarence J. Co., "Broker", 284 Pearl, New York
Whitestone Marble Co., Atlanta, Ga.

Lincrusta Walton Mfrs.

Beck, Fr. & Co., 206 W 29th, New York

Line Materials

(See Trolley Line Materials)

Linings (Blast Furnace)

Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Pittsburg, Pa.
Harbison-Walker Refractories Co., Pittsburg, Pa.
Haws, A. J. & Sons (Ltd.), Johnstown, Pa.
Stowe-Fuller Co., Cleveland, O.

Links (Connecting)

Brewer Bros. (Wrought Open), 614 Filbert, Phila., Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Keystone Drop Forge Works ("Keystone" Open Link), Chester, Pa.
Laughlin, Thos., Co., Portland, Me.
Marine Hardware & Equipment Co. ("Acme" Drop Forged), South Portland, Me.
Wilcox, Crittenden & Co. (Drop Forged), Middletown, Conn.

Links for Conveyor Chains

Oliver Iron & Steel Co., Pittsburg, Pa.
Scranton Forging Co., Scranton, Pa.

Links (Fusible)

Chicago Fuse Wire & Mfg. Co. ("Union"), 170 S Clinton, Chicago, Ill.
Lang, M. & Sons, Carson & 29th, Pittsburg, Pa.
Richards Mfg. Co., Aurora, Ill.

Links (Split)

Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Links & Pins (Coupling)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 Broadway, New York
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Champion Rivet Co., Cleveland, O.
Harris, Wm. & Son, Allegheny, Pa.
Helmbacher Forge & Rolling Mills Co., St. Louis, Mo.
Logan Iron & Steel Co., Burnham, Pa.
New Castel Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Tredegar Co., Richmond, Va.
Wilcox, D. Mfg. Co., Mechanicsburg, Pa.

Linoleum Mfrs.

American Linoleum Mfg. Co., 366 5th av, New York, & Linoleumville, Borough of Richmond, N. Y. City
American Oil Cloth Co., 262 Canal, New York. Works: Salem, N. J.
Armstrong Cork Co. (Linoleum Dept.), Pittsburg, Pa. Factory: Lancaster, Pa.
Beuttell, Henry & Son ("Greenwich," Inland, etc.), 133 5th av New York
Blabon, Geo. W. Co., 34 N 5th, Phila., Pa.
Farr & Bailey Mfg. Co., Camden, N. J.
Germania Importing Co. ("Anchor," Inlaid, Imported), 127 Duane, New York
Judson, P. O. & Co. ("Rixdorfer" Parquet, Inlaid, etc.), 16 E 17th, New York
Keveney, T. J. & Co. ("Key" Brand, Inlaid ported), 127 Duane, New York
Nairn Linoleum Co., Kearny, N. J.
National Linoleum Co., Trenton, N. J.
Potter, Thos., Sons & Co. (Inc.), 522 Arch, Phila., Pa., & 41 Union sq, New York
Standard Inlaid Mfg. Co., Trenton, N. J.
Trenton Oil Cloth & Linoleum Co. ("Cook's"), Trenton, N. J.

Linseed Oil & Cake Mills

(Marked with a (*) are Independent Mills)

CALIFORNIA.

BERKELEY—El Dorado Oil Works Co. (W. B.)
SAN FRANCISCO—*Pacific Oil & Lead Works, 155 Townsend

ILLINOIS.

CHICAGO—American Linseed Co., Old Colony Bldg.
*Chicago White Lead & Oil Co., N Green & Fulton
Euston & Co., 371 Hawthorne av.
Grace Varnish Co., 125 Larrabee
*National Lead Co., 1510 State

INDIANA.

INDIANAPOLIS—Evans Linseed Oil Works

KANSAS.

TOPEKA—Topeka Linseed Oil Works

MICHIGAN.

DETROIT—American Linseed Co., Leib e Wight
*National Lead Co., 81 Woodbridge

MINNESOTA.

MINNEAPOLIS—American Linseed Co. Main Office, N. Y. City
Midland Linseed Co.
Minnesota Linseed Oil Co.
*Northern Linseed Oil Co.
RED WING—Red Wing Linseed Co.
ST. PAUL—American Linseed Co.

MISSOURI.

KANSAS CITY—American Linseed Co. Main Office, N. Y. City
*National Lead Co., 1215 W 10th
ST. LOUIS—American Linseed Co. Main Office, N. Y. City
*Brown, R. B., Oil Co., 112 N 4th
*Mound City Paint & Color Co., 811 N 6th

NEBRASKA.

OMAHA—American Linseed Co., Main Office, N. Y. City
*National Lead Co.

NEW YORK.

AMSTERDAM—Kelloggs & Miller
BUFFALO—American Linseed Co., W. Ganson
*Hauenstein & Co., 37 Vincennes
*Kellogg, Spencer, Co., Ganson c Michigan
*Mann Bros. Co., 340 Ohio
*National Lead Co., c Clinton & Oak
NEW YORK—American Linseed Co., 100 William
*National Lead Co., 100 William
OHIO.
CINCINNATI—Burckhardt & Co., 323 Sycamore
Moore, Chas. H. Oil Co., York & McLean av.
*National Lead Co., 7th & Freeman av
CLEVELAND—Harshaw, Fuller & Goodwin Co., Electric bldg
*National Lead Co., 637 Champlain av., N.W.
MANSFIELD—Mansfield Linseed Oil Co.
TOLEDO—Metzger Seed & Oil Co.
Toledo Linseed Oil Works

OREGON.

PORTLAND—Portland Linseed Oil Works

PENNSYLVANIA.

FRANKLIN—*Riesemann Mfg. Co., Ltd.
PENNSBURG—*Hillegass & Krauss
PHILADELPHIA—Grove Linseed Oil Co., Delaware av. & Bigley
*Lewis, John T. & Bros. Co., 231 S. Front
PITTSBURG—National Lead & Oil Co. (of Penna.) (Raw, Boiled & Refined), 2nd National Bank bldg

WISCONSIN.

MILWAUKEE — *Goodrich, Wm. & Co., 198 Barclay

Liquids (Fireproofing)

Blenio Fireproofing Co., 545 W 22d, New York

Liquors (Iron)

Cochrane Chemical Co., Boston, Mass.

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Listers (Loose Ground, Corn & Potatoes, Two Row)

Nebraska Mfg. Co. ("Kaar"), Lincoln, Neb.

Listers & Corn & Cotton Planters (Riding)

Avery, B. F. & Sons ("Mr. Bill"), Louisville, Ky.
Deere & Mansur Co. ("Deere"), Moline, Ill.
Eagle Mfg. Co. ("Eagle"), Kansas City, Mo.
Emerson Mfg. Co. ("Emerson"), Rockford, Ill.
Gale Mfg. Co. ("Sure Drop"), Albion, Mich.
Ohio Cultivator Co. ("Ohio Flyer"), Bellevue, Ohio
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.
Racine-Sattley Co. ("Lucky Hit," "Tomahawk"), Springfield, Ill.

Listers & Drills (Riding)

Bradley, David Mfg. Co. ("Bradley"), Bradley, Ill.
Case, J. I. Plow Works ("Royal Jr.," "Racine"), Racine, Wis.
Deere & Co. ("John Deere"), Moline, Ill.
Deere & Mansur Co. ("Deere," "New Deere"), Moline, Ill.
Eagle Mfg. Co. ("Eagle," "Eagle Junior"), Kansas City, Mo.
Emerson Mfg. Co. ("Emerson," "New Emerson"), Rockford, Ill.
Fort Madison Plow Co. ("Buster Brown," "Morrison," "New Morrison"), Fort Madison, Ia.
Fuller & Johnson Mfg. Co. ("Climax"), Madison, Wis.
Gale Mfg. Co. ("Great West," "Sure Drop"), Albion, Mich.
Galesburg Coulter-Disc Co. ("Brown"), Galesburg, Ill.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Janesville Machine Co. ("Janesville"), Janesville, Wis.
Kingman Plow Co. ("Kingman"), Peoria, Ill.
La Cross Plow Co. ("Defiance"), La Crosse, Wis.
Moline Plow Co. ("Easy Money," "Tri Belle," "Western Belle"), Moline, Ill.
Ohio Cultivator Co. ("Ohio Senior"), Bellevue, Ohio
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.
Peru Plow & Wheel Co. ("Boss," "Little Duke," "Model," "New Duke"), Peru, Ill.
Racine-Sattley Co. ("Little Buster," "Lucky Hit," "Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Emperor," "Tricycle"), Rock Island, Ill.
St. Joseph Plow Co. ("Early Bird," "Famous St. Joe," "Tri-Wheeler"), St. Joseph, Mo.
Sechler, D. M. Carriage Co. ("Black Hawk"), Moline, Ill.
Syracuse Chilled Plow Co. ("Syracuse"), Syracuse, N. Y.

Listers & Drills (Riding, Two Row)

Deere & Co. ("John Deere"), Moline, Ill.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.
St. Joseph Plow Co. ("Famous St. Joe," "St. Joe"), St. Joseph, Mo.

Listers & Drills (Walking)

Bradley, David Mfg. Co. ("Bradley"), Bradley, Ill.
Case, J. I. Plow Works ("Acme"), Racine, Wis.
Deere & Co. ("John Deere"), Moline, Ill.
Eagle Mfg. Co. ("Eagle"), Kansas City, Mo.
Emerson Mfg. Co. ("Emerson," "New Emerson"), Rockford, Ill.
Fort Madison Plow Co. ("Morrison"), Fort Madison, Ia.
Fuller & Johnson Mfg. Co. ("Climax," "F. & J."), Madison, Wis.
Gale Mfg. Co. ("Great West"), Albion, Mich.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Kingman Plow Co. ("Kingman"), Peoria, Ill.
Moline Plow Co. ("Puritan"), Moline, Ill.
Ohio Cultivator Co. ("Famous Ohio," "Ohio Junior"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Empress," "Star"), Rock Island, Ill.
St. Joseph Plow Co. ("Famous St. Joe"), St. Joseph, Mo.

*Litharge (Glass Mfrs.)

NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. Index, end of book)

Lithopone

Gabriel & Schall, 205 Pearl, New York
Williams, Jno. T. & Son, 27 William, New York

*Lixiviation Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)

Loaders (Blast Hole)

Cyclone Drill Co. ("Economy"), Orrville, O.

Loaders (Box Car)

Gabriel & Schall, 205 Pearl, New York
Christy Box Car Loader Co. ("Christy"), Des Moines, Ia.
Duncan Foundry & Machine Works ("Smith" Gravity), Alton, Ill.
Ellison, Wm. & Sons Mfg. Co., 1020 N. 6th, St. Louis, Mo.
Fairmont Mining Machinery Co. ("Fairmont" Rotary), Fairmont, W. Va.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Ottumwa Box Car Loader Co., Ottumwa, Ia.

Loaders (Grain Car)

Caldwell, H. W. & Son Co. ("Champion," "Sterling"), 17th & Western av, Chicago, Ill.
Great Western Mfg. Co., Leavenworth, Kan.
Ideal Car Loader Co., Allenville, Ill.
Marseilles Mfg. Co. (Hay), Marseilles, Ill.
Morse Mfg. Co. (The "Boss"), Morse, Ill.
Pease, E. H. Mfg. Co., Racine, Wis.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Loaders (Hay)

Chambers, Bering & Quinlan Co., Decatur, Ill.
Dain Mfg. Co. ("Dains"), Ottumwa, Iowa
Deere & Mansur Co., Moline, Ill.
Hocking Valley Mfg. Co., Lancaster, O.
International Harvester Co. of America, Chicago, Ill., & Auburn, N. Y.
La Crosse Hay Tool Co. ("Gearless"), Ottumwa, Iowa
Marseilles Mfg. Co. (Grain Car), Marseilles, Ill.
Ohio Rake Co. ("Ohio," "Canton"), Dayton, O.
Parlin & Orendorff Co., Canton, Ill.
Porter, J. E. Co., Ottawa, Ill.
Rock Island Plow Co. (Also Combined Rake & Loader), Rock Island, Ill.
Sandwich Mfg. Co. (Clean Sweep), Sandwich, Ill.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co., Springfield, O.
Thornburgh Mfg. Co. ("Ohio Valley"), Bowling Green, O.

Loaders (Log)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
AMERICAN HOIST & DERRICK CO. ("American"), St. Paul, Minn. (See adv. index & branch offices, end of book)
Byers, Jno. F. Machine Co., Ravenna, O.
Chattanooga Machine Co., Chattanooga, Tenn.
Clyde Iron Works ("McGiffert"), Duluth, Minn.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. Index, end of book)
Goodyear Lumber Co. ("Barnhart," "Model"), Buffalo, N. Y.
Hill, Wm. E. & Co., Kalamazoo, Mich.
KILGORE-PETELER CO. (Direct Acting Steam), Minneapolis, Minn. (See adv. Index, end of book)
Lane Mfg. Co. (Steam, also Unloaders & Stops), Montpelier, Vt.
LIDGERWOOD MFG. CO. (Steam), 96 Liberty, New York, & Old Colony Bldg., Chicago, Ill. (See adv. Index & branch offices, end of book)
MONIGHAN MACHINE CO. (Steam), 813 Carroll av, Chicago, Ill. (See adv. Index, end of book)
Phenix Mfg. Co. ("Klines"), Eau Claire, Wis.
Pond-Decker Mfg. Co., Newport, Ark.
Ramming, John Machine Co., 300 S. Main, St. Louis, Mo.
Roots, P. H. & F. M. Co. (Steam), Connersville, Ind.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. Index, end of book)
Soule Steam Feed Works, Meridian, Miss.
Wickes Bros. (Steam), Saginaw, Mich.

Loaders (Rail)

United Supply & Mfg. Co. ("American," for Handling Steel Rails), Railway Exchange, Chicago, Ill.

Loaders (Wagon)

Austin Mfg. Co. ("New Era"), Manhattan bldg, Chicago, Ill.
Indiana Road Machine Co., Fort Wayne, Ind.
RANSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. Index & branch offices, end of book)
Western Wheeled Scraper Co., Aurora, Ill.

Lock Gates (Steel)

Penna. Bridge Co., Beaver Falls, Pa.

Lock Mfrs.

(See also Hardware Manufacturers)

Ahrend, Herman & Son, 179 Van Buren, Newark, N. J.
Barrows Lock Co., Lockport, Ill.
Bates, L. L., & Co. (Safe), 150 Portland, Boston, Mass.
Blake, Ira G. (Time Lock), Worcester, Mass.
Bohannan, Wilson, 760 Lex. av, Brooklyn, N. Y.
Branford Lock Works, Branford, Conn.
Brass Goods Mfg. Co. (Refrigerator), Nevins & Union, Brooklyn, N. Y.
Bridgeport Gun Implement Co. (Bicycle, etc.), Bridgeport, Conn.
Champion Safety Lock Co., Geneva, O.
Chicago Hardware Co., North Chicago, Ill.
Climax, J. H. W. Co., Newark, N. J.
Corbin Bros. Co., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Cowles, C. & Co. (Inc.), (Malleable & Brass, Automobile, etc), New Haven, Conn
Dayton Mfg. Co., Dayton, O.
Dayton Supply Co. ("Dayton" Cantpick for Doors), Dayton, O.
Defiance Scuttle Lock Co., 277 Church, New York
Eagle Lock Co. (Cabinet, Trunk & Padlock), Terryville, Conn.
Forsyth Mfg. Co. (Combination), 41 Chandler, Buffalo, N. Y.
Fraim, E. T., Lock Co. (Padlocks), Lancaster, Pa.
Gonce Lock Mfg. Co. (Keyless), Chattanooga, Tenn.
Hall, Wm. & Co. (Asylum & Prison), 4 Dock sq, Boston, Mass.
Hardware & Woodenware Mfg. Co., 603 B'way, New York
Ideal Lock Co. ("Ideal" Door), 257 39th, Brooklyn, N. Y.
Indianapolis Lock Co. (Post Office), Indianapolis, Ind.
Ives, Hobart B., Co. (Sash), New Haven, Conn.
Kell, Francis, & Son, 607 E 163d, New York
Keyless Lock Co., 1041 Newman, Indianapolis, Ind.
Keystone Lock Works, 234 Ionic, Phila., Pa.
Lockwood Mfg. Co., S. Norwalk, Conn.
Loeffelholz Co. (Car & Switch), 170 Clinton, Milwaukee, Wis.
Michigan Mfg. Co., Ypsilanti, Mich.
Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Miller, J. Walter (Padlocks), Lancaster, Pa.
Miller Lock Co. (Keyless Padlock, Car Switch, etc.), 4523 Tacony, Phila., Pa.

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Miller Sash Lock Co. (Window), 408 Olive, St. Louis, Mo.
National Lock Co., Rockford, Ill.
New England Lock & Hinge Co., Winchendon, Mass.
Nock, G. W. Co., 126 N 4th, Phila., Pa.
Norwalk Lock Co., South Norwalk, Conn.
Ochsner, A. & Son (Automobile & Carriage), New Haven, Conn.
Ohio Brass & Iron Mfg. Co. ("Meter Locks"), Payson Mfg. Co., Chicago, Ill. Columbus, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co. ("Heinzmann" Cylinder Dead Knob), Reading, Pa
Phoenix Lock Works, 22 Commercial, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Reeves Mfg. Co. (Bicycle), New Haven, Conn.
Reliance Ball Bearing Door Hanger Co., 1 Madison av, New York
Romer & Co. (Inc.), 275 Passaic, Newark, N. J
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co. (General Line of Key Locks), Water & Wallace, New Haven, Conn., & 94 Centre, New York
Sargent & Greenleaf Co. (General Line of Key Locks), 178 Court, Rochester, N. Y.
Schroder, J. B. & Co., 133 W 5th, Cincinnati, O.
Slaymaker, S. R. (Bicycle, Door, Dead, Dog Collar, Store Door & Padlock), Lancaster, Pa.
Smith & Egge Mfg. Co. (Pad, Mail Box, Sewing Machine and Piano), Bridgeport, Conn.
Star Lock Works, 110 S 8th, Phila., Pa.
Stearns, E. C. & Co., Syracuse, N. Y.
Stewart-Crook Hdw. Co., 7 N Liberty, Baltimore, Md.
Taylor & Boggis Foundry Co., Cleveland, O.
Tiebout, W. & J. (Brass), 118 Chambers, New York
Tower & Lyon Co., 95 Chambers, New York
United States Steel Lock Co., Lyons, In.
Wise, J. B. (Sewing Machine & Organ), 41 Mill, Watertown, N. Y.
Woodruff, W. W. & Sons Co. (Carriage Door), Mount Carmel, Conn.
Wrightsville Hardware Co., ("Christman Shutter Lock & Bower), Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York.

Lock Mfrs. (Bank)

Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Barn Door)

Schroder, J. B., & Co., 132 E 5th, Cincinnati, Ohio
Stearns, E. C. & Co. (For Sliding Door), Syracuse, N. Y.
Western Brass Mfg. Works (Iron Japanned & Brass), 21st & Rockwell, Chicago, Ill.

Lock Mfrs. (Bicycle)

Corbin Cabinet Lock Co., New Britain, Conn
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Cabinet)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Car & Switch)

Adams & Westlake Co., Ontario & N Franklin, Chicago, Ill
Blanchard Railway Switch Lock Co., 141 Milk, Boston, Mass
Bohannan, Wilson, 760 Lexington av, Brooklyn, N. Y.
Climax, J. H. W., Co. (Switch), 275 Passaic, Newark, N. J.
Creamer, W. G., & Co., 96 John, New York
Dayton Mfg. Co., Dayton, Ohio.
Detroit Ship Building Co. (Brass Dept.), Detroit, Mich.
Edgar Car Lock & Steel Co. (Box Car Locks, etc.), Iola, Kan.
General Railway Signal Co., Rochester, N. Y.
Loeffelholz Co., Milwaukee, Wis.
Miller, J. B. Lock Co., 4519 Tacony, Phila., Pa.
Romer & Co. (Inc.), 275 Passaic, Newark, N. J
Russell & Erwin Mfg. Co. (Car Door Only), New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre
Slaymaker, S. R., Lancaster, Pa. New York
Zelnicker, Walter A., Supply Co., St. Louis, Mo.

Lock Mfrs. (Clothes Locker)

(See Lock Manufacturers, Locker)

Lock Mfrs. (Cupboard)

Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Desk)

Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Dog Collar)

Corbin Bros. Co. (Padlock, etc.), New Britain, Conn.
Corbin Cabinet Lock Co. (Padlock, etc.), New Britain, Conn.
Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Tower & Lyon Co., 95 Chambers, New York

Lock Mfrs. (Drawer)

Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Yale & Towne Mfg. Co., 9 Murray, New York

*Lock Mfrs. (Elevator Door)

(See also Elevator Safety Locks)

CHISHOLM & MOORE MFG. CO. ("Moore's" Reversible Square), 49th & Lake, Cleveland, O. (See adv. index, end of book)

Lock Mfrs. (Keyless)

Dayton Keyless Lock Co., Dayton, O.
DURAND STEEL LOCKER CO. ("Durand"), 128 Monroe, Chicago, Ill., & 132 Nassau, New York. (See adv. index, end of book)
Keyless Lock Co., 1401 Newman, Indianapolis, Ind.
Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.

Lock Mfrs. (Lamp)

(For Locking Incandescent Lamps in Socket)
Crescent Co. ("Protector"), Valparaiso, Ind.
Davis Bros. Elec. Co., Alton, Ill.
GENERAL ELECTRIC CO. (Locking Socket), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

Lock Mfrs. (Locker)

DURAND STEEL LOCKER CO., 128 Monroe, Chicago, Ill., & 132 Nassau, New York. (See adv. index, end of book)
Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Master Keyed)

Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Padlock)

Ames Sword Co. ("Perfection"), Chicopee, Mass.
Bohannan, Wilson, 760 Lexington av, Brooklyn, N. Y.
Chapman, W. H. Co., Middletown, Conn.
Climax, J. H. W. Co., 275 Passaic, Newark, N. J.
Corbin Bros. Co., New Britain, Conn.
Corbin Cabinet Lock Co. (Wrought & Cast), New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich.
Eagle Lock Co., Terryville, Conn.
Frulin, E. T., Lock Co., Lancaster, Pa.
Mallory-Wheeler Co., New Haven, Conn.
Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Miller, J. Walter, Lancaster, Pa.
Miller Lock Co. (a Large Assortment of Styles), 4523 Tacony, Phila., Pa.
Romer & Co. (Inc.), 275 Passaic, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn., & 94 Center New York
Sargent & Greenleaf Co., Rochester, N. Y.
Schroder, J. B., & Co., 132 E 5th, Cincinnati, Ohio
Slaymaker, S. R., Lancaster, Pa.
Smith & Egge Mfg. Co. ("Giant,"), Bridgeport, Conn.
Tower & Lyon Co., 95 Chambers, New York
Yale & Towne Mfg. Co., 9 Murray, New York.

Lock Mfrs. (Pole)

Ajax Line Materials Co., 12 S Jefferson, Chicago, Ind.
Cutter, Geo. Co., South Bend, Ind.

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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Lock Mfrs. (Safe Deposit)

HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Yale & Towne Mfg. Co. (Handles & Locks), 9 Murray, New York

Lock Mfrs. (Sash)

Brohard Co. (Stamped Steel), 1624 N 9th, Phila., Pa.
Builders' Supply Corp'n ("Samson" Steel), Indianapolis, Ind.
Caldwell Mfg. Co., 8 Jones, Rochester, N. Y.
Champion Safety Lock Co. ("Champion" Side & "Monitor" "Never Break" Wrought), Geneva, O.
Chicago Hardware Co., North Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Creamer, W. G. & Co. (Railway Car), 96 John, New York
Fitch, W. & E. T. Co., New Haven, Conn.
Gardner Sash Balance Co. (Steel), 166 Dearborn, Chicago, Ill.
Harley Burglar Proof Ventilating Sash Lock Mfg. Co. (Ventilating), 1394 Ogden av, Chicago, Ill.
Ives, Hobart B. Co., New Haven, Conn.
Lockwood Mfg. Co., South Norwalk, Conn.
Miller Sash Lock Co. (Automatic Ventilating), 408 Olive, St. Louis, Mo.
National Lock Washer Co., 65 Johnson, Newark, N. J.
National Mfg. Co. (All Steel), Sterling, Ill.
Payeon Mfg. Co., 1319 W Jackson boul., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Pullman Mfg. Co., Rochester, N. Y.
Radel Sash Balance & Lock Co., Cincinnati, O.
Reading Hardware Co., Reading, Pa.
Rochester Sash Lock Co. (Automatic Steel for R. R. Coaches), Rochester, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., 94 Center, N. Y., & New Haven, Conn.
Shelby Spring Hinge Co. ("Shelby" Steel & Brass or Bronze, Polished), Shelby, Ohio
Stover Mfg. Co. (Burglar Proof), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
Wilcox Mfg. Co., Aurora, Ill.
Wolcott Hardware Co., Plantsville, Conn.
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Sash, Ventilating)

Cannon Mfg. Co., ("Cannon"), 388 La Salle, Chicago, Ill.
Champion Safety Lock Co., Geneva, O.
Climax Lock & Ventilator Co. ("Climax" & "Simplex" Automatic Ventilating), 640 Ellicott sq, Buffalo, N. Y.
Dayton Supply Co., Dayton, O.
Holland Mfg. Co. ("Holland," Ventilating Window), Florence, Mass.
Lawson Mfg. Co. ("Matchless" Automatic Burglar Proof), 40 Dearborn, Chicago, Ill.
Platt-Baker Co., 12 E. 23d, New York.

Lock Mfrs. (Slot Machine)

Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.

Lock Mfrs. (Stall Door)

Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.

Lock Mfrs. (Store Door)

Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Time)

American Recording Lock Co., Elkhart, Ind.
Barnes Safe & Lock Co., Pittsburg, Pa.
Consolidated Time Lock Co., 315 W. 4th, Cincinnati, Ohio.
Diebold Safe & Lock Co., Canton, O., & 30 Reade, New York
General Railway Signal Co., Rochester, N. Y.
HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Macneale & Urban Co., Hamilton, O.
Mosler Safe Co., Hamilton, O.
Sargent & Greenleaf Co., Rochester, N. Y.
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Tool Chest)

Miller, J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Trunk & Suit Case)

Ahrend, Herman & Son, Newark, N. J.
Corbin Bros. Co., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Cream City Mfg. Co., Milwaukee, Wis.
Eurake Nut Lock Co. ("Bartley"), 32d & Excelsior Hardware Co., Stamford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Greenleaf Co., Rochester, N. Y.
Star Lock Works, 110 S 8th, Phila., Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Lock Mfrs. (Wardrobe)

Yale & Towne Mfg. Co., 9 Murray, New York

Lock-Nuts (Brass)

American Pin Co., Waterbury, Conn.
Hamlin & Emery Brass Co., Boston, Mass.
LUNKENHEIMER CO., General Offices & Works, Beekman & waverly, Cincinnati, O. (See adv. index & branch offices end of book)
Western Tube Co., Kewanee, Ill.

Lock-Nuts (Conduit, Etc.)

(See Bushings, Outlet & Locknuts)

Lock-Nuts & Washers

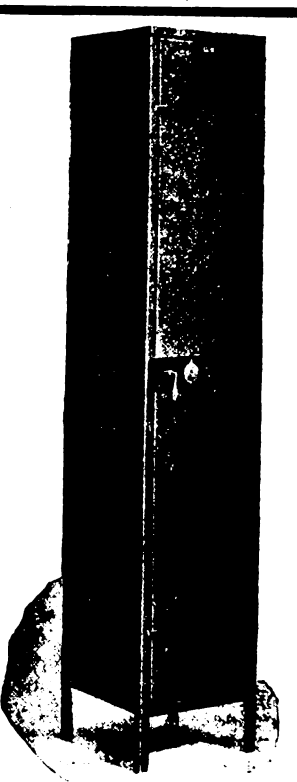
American Lock Nut Co., Oregon, Ill.
American Railway Tie Co., 50 B'way, New York
American Steel Spring Co., 2 Rector, New York
Blessing, Louis (Positive), Jackson, Mich.
Border Bolt & Nut-Lock Co. ("Border" for Tracks, Crossings, Cars, etc.), Richmond Ind
Bourne & Knowles Mfg. Co., Cleveland, O.
Climax Nut Lock Mfg. Co., 1132 Collins, St. Louis, Mo.
Columbia Nut & Bolt Co. ("Columbia" for Railroads, Machinery, Automobiles, etc.) Bridgeport, Conn
Elastic Nut & Bolt Co. (Self-Locking), Milwaukee, Wis.
Eureka Nut Lock Co. ("aBrtley"), 32d & Grabler Mfg. Co. (Malleable Iron & Steel, for Plumbing & Electric Work)) Cleveland, O
Grip Nut Co. (One-piece Steel), 152 Lake, Chicago, Ill
Haskell, Wm. H., Mfg. Co., Pawtucket, R. I.
It Lock Nut & Bolt Co., Chicago, Ill.
Jones Positive Nut Lock Co., 2812 Wabash av, Chicago, Ill.
National Lock Washer Co., 65 Johnson, Newark, N. J.
National Tube Co. (Cast & Malleable, for Steam, Water, etc.), Pittsburg, Pa.
Philadelphia Electrical & Mfg. Co. ("Pemco." Malleable Iron Washers with Nut-Locking Feature Added), 1232 N 31st, Phila., Pa
Pittsburg Tool & Drop Forge Co. ("Chesswick"), Cheswick, Pa.
Positive Lock Washer Co., Ave, A, Newark
Rail Joint Co., 29 W 34th, New York N. J
Railway Lock Nut Co. ("Bull Dog"), Monadnock bldg, Chicago, Ill
Railway Specialty & Supply Co. ("Smith," for Elec. Railways, etc.), 77 Jackson boul, Chicago, Ill
Ruffner & Son (Automotic, Single & Double), Falls of Schuylkill, Phila., Pa.
Scott Mfg. Co., Racine, Wis.
Smith Improved Lock Nut Co. ("Smith," "Never Works Loose," Spring Steel, Oil Tempered, for Railroads, Machinery, etc.), Rockford, Ill
Solid Steel Tool & Forge Co., Brackenridge Pa
Spiral Nut Lock Co., New York
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MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)

Lockers (Metallic)

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BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Canton Art Metal Co., Canton, O.
CINCINNATI MFG. CO. (Wire), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
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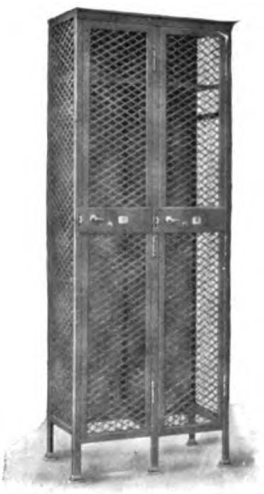
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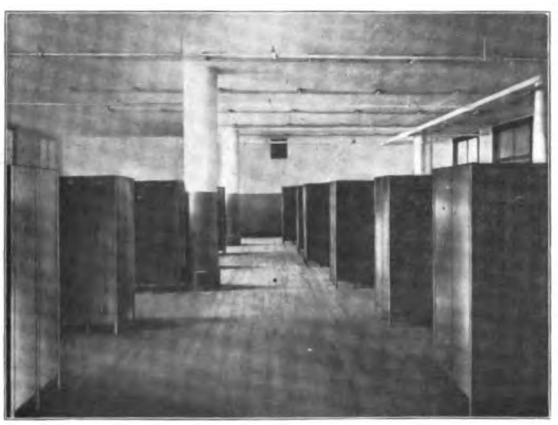
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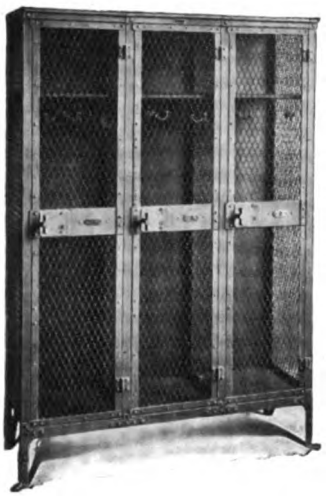
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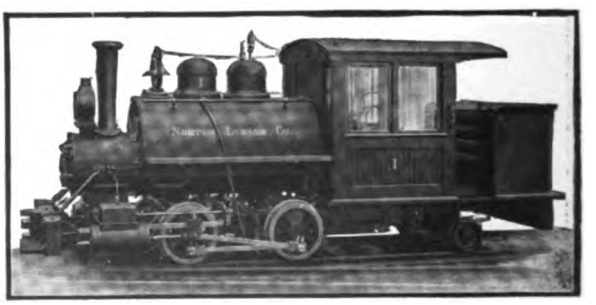


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Chicago Pneumatic Tool Co. ("Little Giant," Pneumatic), Fisher bldg, Chicago, Ill.
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Heginbottom & Sons (Automatic), Saginaw
Reiter, G. C., Canton, Ohio
Smedley Steam Pump Co. (Automatic), Dubuque, Iowa
United States Metallic Packing Co. (The Gollmar, 427 N 13th, Phila., Pa
Western Railway Equipment Co., Union Trust bldg, St. Louis, Mo.

*Locomotive Coaling Stations

(See also Coal & Ore Handling Machinery)

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Railway Materials Co. ("The Ferguson," Portable), Old Colony bldg, Chicago, Ill.

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Wood, Alan, Iron & Steel Co. (Cold Rolled), 519 Arch, Phila, Pa.
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Locomotive Lagging

Carey, Philip Mfg. Co., Lockland, O.
Franklin Mfg. Co. (Also Air Pump Cylinder Lagging), Franklin, Pa.
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Keasbey & Mattison Co. (Magnesia & Asbestos). Main Office & Works, Ambler, Pa. & 100 John, New York
New York Asbestos Mfg. Co., 80 John, New York
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WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

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MICHIGAN WIRE CLOTH CO., Detroit, Mich. (See adv. index, end of book)
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Locomotive Oil Cups

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Kelly & Jones Co., 135 Water, Pittsburg, Pa.
LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
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Ridlon, Frank Co. ("Kilbourne"), 251 A, Boston, Mass.
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American Locomotive Equipment Co. ("Wade-Nicholson," Hollow Arch, etc.), Railway Exchange bldg, Chicago, Ill.
Buckeye Fire Clay Co., Uhrichsville, O.
Chicago Retort & Fire Brick oC., 45th & Clark, Chicago, Ill.
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CAREY, GEO. H. (New and Second Hand), 1 B'way, New York. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO. (Industrial Only), 1010 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Climax Mfg. Co. (Tramway), Corry, Pa.
Conveying Machinery Co., 120 Liberty, New York
DAVENPORT LOCOMOTIVE WORKS, Davenport, Ia., & 50 Church, New York. (See adv. index, end of book)
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Hicks Locomotive & Car Works, 277 Dearborn, Chicago, Ill.
Kilby Locomotive & Machine Works, Anniston, Ala.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lima Locomotive & Machine Co. ("Shay" Geared & Direct Connected), Lima, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
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East St. Louis Locomotive & Machine Shop Co., East St. Louis, Mo
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Rothfuss-Howard Iron Works, Williamsport, Pa.
Southern Locomotive & Car Mfg. Co., Valdosta, Ga.

Locomotives (Road)

(See Locomotives, Dirt Road)

Locomotives (Second Hand)

(See Railroad Equipments, Second Hand)

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Locomotives (Traction)

(See Locomotives, Dirt Road)

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Ingersoll Construction Co., 307 4th av., Pittsburg, Pa.
Mangels, Wm. F. (Third Rail), 2041 W. 5th, Brooklyn, N. Y.
Miniature Railway Co., 72 B'way, New York
Morris, E. Jay, 1416 Callowhill, Phila., Pa.
Thompson, L. A. Scenic Railway Co., 302 B'way, New York
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Log Hauls

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co. ("American" Friction), 50 Church, New York. Works, Hackettstown, N. J.
Bay City Iron Co., Bay City, Mich.
Chandler & Taylor Co., Indianapolis, Ind.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works ("Diamond" Steam & Car Hauls), Minneapolis, Minn.
Henderson, W. K. Iron Works & Supply Co., Shreveport, La.
Lane Mfg. Co., Montpelier, Vt.
Link Belt Co., W. 39th & Stewart av., Chicago, Ill., & 299 B'way, New York
Mecklenburg Iron Works, Charlotte, N. C.
Memphis Machine Works, Memphis, Tenn.
Phoenix Mfg. Co., Eau Claire, Wis.
Puget Sound Iron & Steel Works, Tacoma, Wash
Southern Engine & Boiler Works, Jackson, Tenn
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.

Log Hooks or Timber Carriers

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co., Evart, Mich.
Gerlach, Peter Co., 1708 Columbus rd, Cleveland, O
Howard Iron & Tool Co., Howard, Pa.
Jackson Shovel & Tool Co. ("Acme"), Montpelier, Ind., & Market & Randolph, Chicago, Ill
Lane Mfg. Co., Montpelier, Vt.
Morley Bros., Saginaw, Mich.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Scranton Belt & Nut Co., Scranton, Pa.
Standard Chain Co., Ross & 3d av, Pittsburg
Warren Axe & Tool Co., Warren, Pa.

Log Jackers

Buhl Malleable Co., Detroit, Mich.
Garland, M. Co., Bay City, Mich.
Lane Mfg. Co., Montpelier, Vt.
Link Belt Co., W. 39th cor. Stewart av., Chicago, Ill., & 299 B'way, New York
Phoenix Mfg. Co., Eau Claire, Wis.
Wickes Bros., Saginaw, Mich.

Log Loaders (Steam)

(See Loaders, Log)

Log Rollers

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Diamond Iron Works ("Diamond" Steam & Automatic), Minneapolis, Minn.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Garland, M., Co. ("The Kline"), Bay City, Mich.
Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works, Greene, N. Y.
Murray, D. J. Mfg. Co., Wausau, Wis.
Wickes Bros., Saginaw, Mich.

Log Turners

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co. ("American"), 50 Church, New York. Works, Hackettstown, N. J.
Challoner Co. ("Simonson"), Oshkosh, Wis.
Chandler & Taylor Co., Indianapolis, Ind.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Edwards Mfg. Co., Laceyville, Pa.
Filer & Stowell Co., Home Office, Milwaukee, Garland, M., Co., Bay City, Mich. Wis.
Hamilton, Wm., Mfg. Co. (The "Simondson"), Peterboro, Ontario, Canada
Lane Mfg. Co., Montpelier, Vt.
Memphis Machine Works, Memphis, Tenn.
Moltz, Jacob J., Williamsport, Pa.
Phoenix Mfg. Co. (Hills"), Eau Claire, Wis.
Rockwood Mfg. Co., Indianapolis, Ind.
Southern Engine & Boiler Works, Jackson, Tenn.
Trumbull Mfg. Co., Warren, O.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Logging by Steam

(See Cableways, Wire Rope; also Log Hauls; also Engines, Logging)

Logging Cars

(See Cars, Logging)

Logging Railways

(See Railways, Industrial & Portable)

Logs (Ship)

Nicholson Ship Log Co., 409 Superior av, N W, Cleveland, O.

Loose Leaf Specialties

American Loose Leaf Co., New York City
Baker-Vawter Co. (Ledgers), Tribune bldg, Chicago, Ill.
Benton Mfg. Co., 9 Bethune, New York
Conolly, Henry Co., Rochester, N. Y.
C. S. & R. B. Co. ("C. S. & R. B." Post Binders & Aluminum Holders), Armour & Kinzie, Chicago, Ill.
Dudley Mfg. Co. ("Dudley" Loose Leaf, Book Pad & Copy Holder), Marion, O.
Edwards-Hine Co. ("Proudfit" Price Book, etc.), Grand Rapids, Mich.
Gaylord Bros., Rochester, N. Y.
Gerlach, J. H., College Point, N. Y.
Globe-Wernicke Co., 124 W 8th, Cincinnati, O.
Gregg, Wm. T., 227 Pearl, New York
Helm Specialty Co. (Ledgers), 19 Erie, Milwaukee, Wis.
Irving-Pitt Mfg. Co. ("I-P" Ring Binder for Loose Leaf Ledgers, etc.), Kansas City, Mo.
Kalamazoo Loose Leaf Binder Co., 314 Kalamazoo av, Kalamazoo, Mich.
Loxit Loose Leaf Co., 515 Main, Cincinnati, O.
McDonald, J. S. Co. (Gravity-Lock Binder), 611 Irving Park boul, Chicago, Ill.
Mann, Wm., Co., Philadelphia, Pa.
Morden Mfg. Corporation, Waterbury, Conn.
Nelson Corporation ("Banner" Line), 49 Wells, Chicago, Ill
Razall, H. G. Mfg. Co. (Ledgers), 383 Water, Milwaukee, Wis.
Richmond & Backus Co. (Ledgers), Detroit, Mich.
Sheppard, C. E. & Co., 63 Cliff, New York
Sieber & Trussell Mfg. Co., 4001 Laclede av, St. Louis, Mo.
Smith, Chas. C., Exeter, Neb.
Sparks, Walter (Punches for Round Holes, Slotting & Crimping Loose Leaves), 12 Dutch, New York
Tatum, Sam'l C. Co. (Books, Paper Punches, etc.), Cincinnati, O
Tengwall File & Ledger Co., 1410 E Ravenswood, Chicago, Ill.
Trussell Mfg. Co. (Memo. Books, etc.), 108 Fulton, New York
Twinlock Co., 95 Duane, New York
Wiggins, Jno. B. Co., 14 E Adams, Chicago, Ill.

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Lounge Feet

Universal Caster & Foundry Co. (Copper Bromed), 1170 B'way, New York

Low Water Alarms for Boilers

(See Alarms, Low Water, for Boilers)

Lubricants (Automobile)

Borne, Scrymser & Co. ("Diamond W"), 80 South, New York
Canton Lubricator Mfg. Co. (Grease), Canton, O.
Climax Refining Co., Williamson bldg, Cleveland, O.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
Harris, A. W. Oil Co. ("Harris" Oils & Greases), Providence, R. I.
Hughes Anti-Friction Co. (Grease), 196 State, Boston, Mass.
Robinson, Wm. C., & Son Co. ("Autoline"), Baltimore, Md.
Sonneborn, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York
Union Petroleum Co., 135 S 2d, Phila., Pa.
White & Bagley Co. ("Oilzum" Carboniess Cylinder Oils), Worcester, Mass.

Lubricants (Commutator)

(See Compounds, Commutator)

Lubricants (Gas Engine)

(See Lubricants, Automobile; also Lubricating Oils & Greases)

Lubricants (Graphite)

Acheson Oildag Co. ("Oildag"), Niagara Falls, N. Y.
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Force Feed Lubricating Co., Milwaukee, Wis.
Harris, A. W. Oil Co. ("Harris" Graphite Grease), Providence, R. I.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
International Acheson Graphite Co., Niagara Falls, N. Y.
Monarch Mfg. Co. ("Chaunellene" Graphite Oil), Council Bluffs, Ia.
Standard Graphite Co., 11 B'way, New York
U. S. Graphite Co., Saginaw, Mich.

Lubricants (Mica)

United States Mica Co. (Flake Lubricant), 228 La Salle, Chicago, Ill.
Warren Mica Lubricant Co., Warren, Pa.

Lubricants (Wire Rope)

(See Wire Rope Coating & Lubricant)

Lubricating Oils & Greases

CALIFORNIA.

LOS ANGELES—Hercules Oil Refining Co.
Southern Refining Co. (Oils)
Union Oil Co.
Warren & Bailey Mfg. Co. (Oils)
SAN FRANCISCO—American Oil & Paint Co., 67 Main
Bull's Head Oil Works (Cylinder, Engines, Spindle, Dynamo, Oils, Cup Greases, Clinch, C. G. & Co., 156 King etc.)
DIXON, JOS. CRUCIBLE CO., 304 Market. (See adv. index, end of book)
Fuller, W. P. & Co., Beale & Mission
King-Keystone Oil Co. (Engine, Cylinder, etc.), 90 Clay
McGuffick, J. R. & Co. (Oils), 148 Steuart
Nason, R. N., & Co., 151 Poutrero av
Valvoline Oil Co., 440 Brannon
Whittier-Coburn Co., Howard & Beale

CONNECTICUT.

HARTFORD—Post & Lester Co. ("Lubro Visco"), 20 Sargeant

GEORGIA.

SAVANNAH—Crew-Levick Co. (Oils)

ILLINOIS.

AURORA—Akron Mining, Milling & Mfg. Co.
CHICAGO—Advance Packing & Supply Co. ("Autoleum"), 128 Franklin
American Lubric & Refining Co. ("Crescent"), 138 Jackson blvd
Beely, Chas. H. & Co. ("Helmet" Oil), 15 S Clinton
Champion Oil Co. (Engine, Valve & Car Oils, etc.), 879 W 39th
Chicago Engineer Supply Co., 112 Lake
Crescent Linseed Oil Works (Natural Lubricating Oils), 54 W Division
Crew-Levick Co., 426 Hawthorn
Dearborn Drug & Chemical Works ("Fort Clyde," "Fort Dearborn," "Fort Douglass," "Fort Sheridan" & "Fort Snelling"), 145 Van Buren
Diamond Compound Co. (Oils), 1243 32d pl
DIXON, JOS. CRUCIBLE CO., Monadnock blk. (See adv. index, end of book)
Jenkins, Geo. R. & Co. (Engine, Cylinder, Dynamo, Machine, Oils & Cup, Auto Greases, etc.), 445 So. Canal
Keystone Oil & Mfg. Co., 47 E Division
Magie Bros., 9 N Canal
Miller, Wm. P., Co., 35 River
Penn Oil & Supply Co., 293 N Branch
Producers' Refining Co., 54 La Salle
Speare's, Alden, Sons Co., 22 5th av
Standard Oil Co., 115 Adams
Star Oil Co., 307 S Desplaines
Stuart, D. A. & Co., 447 Illinois
Sullivan Oil Co., 48 N Wells
Superior Oil Co., 532 E Division
Viscosity Oil Co., 21 River
Winne, Howard B., 138 Washington
QUINCY—Richardson Lubricating Co. ("Supreme," "Keystone")

INDIANA.

INDIANAPOLIS—Crescent Oil Co.
Miller Oil & Supply Co.
Tiona Refining Co.

IOWA.

COUNCIL BLUFFS—Monarch Mfg. Co.
MARSHALLTOWN—Marshall Oil Co. ("Rex" Ice Oil for Railroad Signals, etc.)

KENTUCKY.

COVINGTON—Standard Oil Co. of Kentucky
LOUISVILLE—Kentucky Refining Co. (Oil)
Standard Oil Co. (of Kentucky)

LOUISIANA.

NEW ORLEANS—Record Oil Refining Co.

MAINE.

PORTLAND—Little, F. H. Oil Co. (Oil)

MARYLAND.

BALTIMORE—Bragonier, A. C. & Son, (Oils). 423 East
Hook, C. H. & Co., Bank & 4th
Hopkins, John Oil Co. (Cylinder & Engine Oils, etc.)
Lubric Oil Co. (Oils & Greases), Eastern av & Duncan
MacNeal, Jas. B. & Co. (Engine, Machine & Cylinder Oils, etc.)
New York Lubricating Oil Co., American Bldg.
Patapsco Oil & Grease Co., 109 Cheapside
Red "C" Oil Mfg. Co., 111 Cheapside
Robinson, Wm. C. & Son Co. ("Autoline" Cylinder, Engine, Spindle & Dynamo Oils)
Sherwood Bros., Bank & 8th
Southern Oil Co., Columbia av & B. & O R. R.
Tiona Oil Co. (Cylinder Oils, etc.), 314 N Holliday

MASSACHUSETTS.

BOSTON—Boston Oil & Gasoline Co., 145 Kingston
Chesterton, A. W. & Co. (Oils & Greases), 64 India
Colonial Lubric. Oil Co., 78 India
Crane, L. M. & Co., 91 Oliver
Curry Oil & Supply Co., 284 Franklin
DIXON, JOS. CRUCIBLE CO., 101 Tremont. (See adv. index, end of book)
Eagle Oil & Supply Co. ("Eagleine"), 104 Broad
Hughes Anti-Friction Co., 196 State
Jenney Mfg. Co., 8 India
Kehew-Bradley Co., 24 Purchase
MacLean-Brandon Oil & Supply Co., 63 Long Wharf
Macomber, Henry S. & Co., 150 Milk
Marden, Orth & Hastings, 225 Purchase
Masury, Young & Co. (Wool Oils, Lubricating Greases, etc.), 198 Milk
Patterson Lubricating Co. ("Patterson," "Lubric" & "Keystone" Greases & Oils), 114 Broad
Speare's, Alden Sons Co., 369 Atlantic av
Tide Water Oil Co., 74 Broad
Underhay Oil Co., 73 Batterymarch
Vacuum Oil Co., 40 Federal
Valvoline Oil Co., 27 State
Vestal Oil Co., 28 New
Whitney, G. F. Co. (Oils), 59 Long Wharf
Wood, W. A. Co., 373 Atlantic av
Young, Frank L. & Kimball (Oils), 111 Purchase
FITCHBURG—Snow Flake Axle Grease Co. ("Snow Flake")
NEW BEDFORD—Nye, Wm. F. (Oils Only)
Robinson, Wm. A. Co. Fish Island
NEWTON—Knowlton Packing Co. ("Lubron" Grease)
PALMER—Buck, E. A. & Co. (Oils)
WORCESTER—Dixon, Rufus S.
Fairbanks & Boynton Co., 49 Vine
Pierce & Rice Oil Co., 554 Park av
White & Bagley Co. ("Royal Worcester Oilzum"), 100 Foster

MICHIGAN.

DETROIT—Detroit Refining Co., Majestic bldg
Pattison & Ellis (Oils), 213 Jefferson av
Wing, J. T. & Co., 19 Woodward av
FLINT—Michigan Paint Co. ("Se-Tab")
SAGINAW—U. S. Graphite Co. ("Grafita"), 1430 Holland av

MINNESOTA.

MINNEAPOLIS—Climax Refining Co. (Oils)
Crescent Oil Co., 718 N 1st
Kunz Oil Co., 12 Wilder
Nott, W. S. Co. ("Imperial" Oils), Minneapolis, Minn.
Twin City Oil Co. (Oils & Greases), 224 N 1st
Western Oil Co. (Oils & Greases), 2824 S 10th av
ST. PAUL—Channellene Oil & Mfg. Co. (Oils & Greases)

MISSOURI.

KANSAS CITY—Channellene Oil & Mfg. Co.
Keystone Oil Co. (Oils & Greases)
ST. LOUIS—Chappell Oil & Grease Co., 200 N Commercial
Crescent Oil & Supply Co. (Oils), 303 N Main
DIXON, JOS. CRUCIBLE CO., Victoria bldg. (See adv. index, end of book)
Jones, Geo. P. & Co. (Oils), 704 N Main
McGuire, Nat. L. Oil & Supply Co., Market & Commercial
Matthews, Geo. T. & Co. (Oils), 20 N Main
Mound City Oil & Supply Co., 204 N Commercial
Northrup Lubricating Oil Co., 308 N Commercial
Waters-Pierce Oil Co., Bank of Commerce bldg

NEW JERSEY.

BAYONNE—Arnold Mfg. Co. (Oils & Grease)
CAMDEN—Pittsburg & Philadelphia Oil & Refining Co.
ELIZABETH—Ellis, W. A., & Son (Oils), Ellis av & Front
HARRISON—Diamond Compound Co. (Inc.)
JERSEY CITY—Anchor Refining Co.
DIXON, JOS. CRUCIBLE CO. (See adv. index, end of book)
Fraser Lubricator Co., 179 15th
Hudson Oil & Supply Co.
NEWARK—American Oil & Supply Co., 52 Lafayette
Diamond Compound Co. ("Calypsol"). Middlesex, cor 2d
Fiske Bros. Refining Co. ("Lubroleine"), 115 Lister av
Graphite Non-Friction Lubricants Co., 43 Haas Bros. Co., 15 Clinton Lawrence
Sheppard, W. S. ("Ideal"), 21 Lawrence
Young, Orlando W. (Young's), 174 Frelinghuysen
RAHWAY—Tingley, Chas. O. & Co. (Ball Bearing)

NEW YORK.

ALBANY—Bleeker & Godley, 13 Hudson av
Four Bros. Independent Oil Co.
Higgins, Robert, 30 Orange
Wing, Robert, & Son, 385 B'way
BINGHAMTON—Binghampton Oil Refining Co.
Tiona Oil Co.

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BUFFALO—Buffalo Oil & Grease Works, 146 Mohican av
Buffalo Refining Co. (Oils & Greases), 77 Main
Cataract Refining & Mfg. Co., Mutual Life bldg
Commercial Oil Co., 17 Main
Enterprise Oil & Supply Co., 2 Ohio
Foote, W. H. & Co., 22 Maurice
Hoffman Oil Co., 16 Elk
Hosmer, G. A. Co., 375 Ellicott
Ideal Oil Co., 931 Clinton
Shining Light Mfg. Co. (Oils & Greases), 90 Main
MOUNT VERNON—Draper, Walter H. Co., 12 S Railroad

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Miller, Wm. P. Co. ("Victory," "American," "Shields" & "Universal") 244 Greene
Newton, A. E. & Co., 333 Bond

Boroughs of Manhattan & Bronx.

NEW YORK—Alexander, H. T., & Co., 17 State
Belden, A. G. & Co. (Importers & Exporters), 145 Maiden lane
Benners, E. H. Co., 32 Front
Bliven & Carrington, 116 Broad
Borne, Scrymser & Co. ("Silex" & "Colonial" Greases, "Turboil" for Turbines; also Engine, Cylinder & Car Oils, etc.), 80 South
Callahan, Geo., & Co., 218 Front
Carpenter, W. D., Co. ("Graphilo," a Pure Crystalline Graphite Product), 39 Cortlandt
Chard & Howe, 253 Front
Clarkson & Ford Co. ("Banner"), 55 Water
Cole, G. W. Co. ("Three-in-One"), 42 B'way
Colgan Mfg. & Supply Co. ("Colgan" Lubricating Ball), 42 South
Columbia Lubricants Co. ("Monogram"),
Columbia Oil Co., 15 William 116 Broad
Columbia Refining Co., 90 West
Cook & Cokefair, 306 Pearl
Cook's, Adam Sons ("Albany Grease" & Albany Cylinder Oil), 313 West
Corning, Arthur W., 251 Front
Crew-Levick Co., 69 Wall
Crosby Lubricating Co., 1170 B'way
Dearborn Drug & Chemical Works (of Chicago, Ill.), 299 B'way
Dingee, M. H. & Co. 254 Water
DIXON, JOS. CRUCIBLE CO., 68 Beade. (See adv. index, end of book)
Duryea Mfg. Co., 69 Wall
Faul, Wm. J. Co., 135 Front
Ferguson, Albert, 602 W 30th
Fiske Bros. Refining Co. ("Lubroleine"), 15 Old Slip
Frazer Lubricator Co. (Grease), 83 Murray
Freeman, Robert J., 12 N William
French Lubricating Oil Co., 3 Gouverneur
Gallaway, G. W. (Velocity"), 322 Pearl
Germania Oil Co., 154 Nassau
Hagerty Refining Co., 50 South
Havemeyer Oil Co. ("Havoline"), 78 Broad
Haws, Geo. A. "Nox-All," "Panhard"), 73
Hisley, Doubleday & Co., 229 Front Pine
Kanter, R. J. Co. ("Horseline" & "E. & K."), 647 Water
Kellogg, E. H. & Co. ("Anti-Corrosine," Cylinder, Dynamo & Spindle, Oils, etc.), 243 South
Kuhne-Libby Co., 60 Water
Leibold's, John Sons, 197 Prince
Manhattan Oil Co., 51 Front
Musliner, Jos. G. & Co., 156 Maiden lane
National Oil Works, 121 Broad
New York Lubricating Oil Co., 116 Broad
New York & New Jersey Lubricant Co. ("Non-Fluid"), 14 Church
Pattberg, F. L., 147 Maiden la
Pennsylvania & Delaware Oil Co. (Oils Only), 82 Beaver
Pigot, Sayre & Co. ("Aurora"), 135 William
Platt & Washburn Refining Co., 58 Pearl
Pulver, Peter & Sons ("Diamond P."), 214 Franklin
Quimby, J. L. & Co., 278 Water
Reliance Oil & Grease Co., 50 South
Royal Lubricating Oil Co., 116 Broad
Sharpe & Co., 31 South
Smith, Thomas, Jr., 25 New Chambers
Smith & Nichols, 48 South
Sonneborn's, L., Son's (Inc.) ("Amalia," All Kinds of Oils & Greases), 282 Pearl
Speare's, Alden Sons Co., 253 B'way
Standard Oil Co. (Petroleum Lubricants & "Arctic" Grease), 555 W 25th
Star Lubricating Co. ("Peerless"), 232 W 28th
Steck, Henry L., 154 Cherry
STRONG MACHINERY & SUPPLY Co. ("Strong's" E-Z-EE Slip, "Strong's" Graphite Grease), 48 Franklin. (See adv. index, end of book)
Swan, Alden S. & Co., 138 Front
Swan & Finch Co. ("Resista"), 151 Maiden la
Texas Co., 17 Battery pl
Tidewater Oil Co. (Petroleum Lubricants), 11 B'way
Union Excelsior Lubricating Co., 284 Pearl
Utility Co. ("Gre-Solvent"), 636 W 44th
Vacuum Oil Co., 29 B'way
Valvoline Oil Co. ("Valvoline", "Mobiloil"), 11 B'way
Wilburine Oil Co., 11 B'way
Winn, Wm. R. (Also Easy Run Axle Grease), 143 Maiden lane
Woolley, G. C. Co. (Oils), 89 New Chambers
Zibell, J. A., 273 Water

Borough of Queens.

LONG ISLAND CITY—Miller's, Wm. P. Sons ("Excelsior")

(End of New York City)

ROCHESTER—Hayner, Norman C. Co. ("No-Set-O" Cylinder, Engine & Dynamo Oils, etc.)
Southwick, Theron T.
Vacuum Oil Co., Granite bldg
ROME—Baums Castorine Co.
SYRACUSE—Mills, C. E. Oil Co.
Syracuse Reduction & Mfg. Co. (Grease)
WATERFORD—Petroleo Co.

OHIO.

CANTON—Canton Lubricator Mfg. Co.
CINCINNATI—Cincinnati Oil Works, 323 Sycamore
Evans, Lawrence, Oil Works, Perin bldg
INDIAN REFINING CO. (For All Purposes). (See adv. index, end of book)
Moore, Chas. H. Oil Co. (Oils & Greases), York & McLean
Paragon Refining Co., Colerain av & B. & O. S. W. R. R.
Valvoline Oil Co. ("Valvoline," "Mobiloil"), 1755 Elmore
Wagner, C. P. & Co. (Cylinder, Engine, Dynamo, etc.), 126 Sycamore
Wittich, Julius, 140 E Court
CLEVELAND—Acme Grease & Oil Co., 1294 W 70th, N W
Atlantic Refining Co., Citizens bldg
Atlas Oil Co., Rose bldg
Brooks Oil Co., 3340 E 87th, S E
Canfield Oil Co., 3216 E 55th, S E
Carran, Lewis C., Rockefeller bldg
Clark, Fred G. Co. (Wholesale Trade Only)
Climax Refining Co., Williamson bldg
Crown Oil Co., 804 Lakeside av, N W
Cummer, Jas. W. Co., 2900 E 84th, S E
Dieterichs Valve Oleum Co., Rose bldg
Energine Refining Co. (Autovalve), Cuyahoga bldg
Fairfax Refining Co., Wade bldg
Globe Oil Co., Rose bldg
Great Western Oil Co., 2855 E 37th
Kingsley, H. B. & Co. ("Sealine" Oils & Cup Greases), 325 St. Clair av, N W
Manufacturers' Oil & Grease Co., Century bldg
Mohawk Refining Co., 1187 W 11th, N W
Monitor Oil Co. (Oils & Greases), 1131 W 11th, N W
National Refining Co. (Cylinder, etc.), Rose bldg
Phoenix Oil Co., 902 Garfield bldg
Plomo Specialty Mfg. Co., Sherman & C. & P. R. R.
Reliance Oil & Grease Co. ("Valve-Olene"), 1501 Columbus rd
Royal Lubricants Co. (Automobile Lubricants), Schofield bldg
Standard Oil Co. of Ohio ("Capitol" Cylinder, "Renown" Engine, "Eldorado" Engine, "Standard" Gas Engine, "Mobilubricant," etc.)
Star Lubricating Oil Co., 8408 Kinsman rd
Sterling Refining Co., Citizens bldg
Stevens Grease & Oil Co., Bessemer av & C. & P. R. R.
Von Benken Grease & Oil Co., 5120 Sweeney av, S E
Whitmore Mfg. Co. ("Whitmore's" Gear Protective Composition, "Whitmore's" Journal Oil)
Wilson-Clark Co., 11722 Euclid av
COLUMBUS—Ironsides Co. (For Gearing, etc.), The Wyandotte
Keystone Supply Co. (Oils)
Ohio Filler & Shield Co.
TOLEDO—Craig Oil Co.
Electric Refining Co.
Monarch Mfg. Co. ("Channelene" Grease), Ironville
Paragon Refining Co. (Cylinder Valve & Engine Oils & Greases & Lubricating Compounds)
Sun Oil Co. (Engine & Cylinder Oils & Greases)

PENNSYLVANIA.

ALLEGHENY—Fralich Grease & Oil Co.
Marine Oil Co.
Miller, A. D. & Sons Co. (Cylinder, Engine & Dynamo Oils & Cup, Journal, Belt & Sponge Greases)

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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ALLENTOWN—Garnet Co.
Gossler Oil Co. (Oils & Greases)
BRADFORD—Emery Mfg. Co. (Steam Refined Journal Oil Co. Cylinder Stock)
Penn Lubricating Co. (of Pa.)
CHESTER—Manufacturers' Paraffine Co.
EMLENTON—Emlenton Refining Co. (Cylinder, Engine, Spindle, Dynamo, etc.)
Sterling Oil Co.
ERIE—Erie Oil Co.
Union Oil Works
FERNWOOD—Modoc Company (Inc.) ("Modoc" Journal Lubricant & Gear Grease)
FRANKLIN—Galena Signal Oil Co. (Coach, Engine & "Sibley's" Perfection Valve & Marvin Mfg. Co. (Autolene) Signal Oils)
FREEDOM—Freedom Oil Works Co. (Refiners of Machinery Oils, etc.)
NORTH CLARENDON—Smith, Levi
OIL CITY—Continental Refining Co.
Crystal Oil Works (Railroad Oils a Specialty)
Germania Refining Co. (Cylinder, Spindle, Engine, Valve, etc.)
Independent Refining Co.
Oil City Oil & Grease Co.
Penn Refining Co. (Ltd.) (Petroleum Lubricants)
PHILADELPHIA—Atlantic Refining Co. (Engine, Cylinder, etc.), Bourse bldg
Benson, Wm. T. & Co., 232 N Front
Borne, Scrymser Co., 216 N Front
Brown, D. P. & Co. (Oils & Greases), 262 N 4th
Commercial Lubricating Co., cor Meadow & Jackson
Crew, Levick Co. (Cylinder, Spindle, etc.), Land Title bldg
DIXON, JOS. CRUCIBLE CO., 1020 Arch. (See adv. index, end of book)
Donshue, W. J. & Co. ("Peerless" Cylinder Oils, also Dynamo, Engine, etc.), Betz bldg
General Mfg. Co. (Oils & Grease), Snyder av & Swanson
Houghton, E. F. & Co. (Cosmolubric Oil, Vim, Cylinder Oils, Lubricating Greases, etc.), 240 W Somerset
Hulbert, C. & Co., 115 N 2d
Kellom, C. F. ("Invaders"), 128 Arch
Keystone Lubricating Co. (Greases & Compounds & Belt Greases), 20th & Allegheny av
Loos & Dilworth, 134 S Front
Murray & Murray, 219 Quarry
Nero Mfg. & Oil Co., 1543 N Front
Penn Petroleum Co., 117 N 2d (Greases)
Philadelphia Grease Mfg. Co., The Bourse
Pure Oil Co. ("Penna." Oils & "Puro" Greases), 5th & Chestnut
Skipton, Valentine Co., 2321 N 30th
Smith, Chas. K. & Co., 123 Arch
Sonneborn's, L. Sons, 131 Arch
Stevenson Bro. & Co., 110 Race
Sun Co. (Petroleum Lubricants), Real Estate Trust Co. bldg
Sunlight Oil & Gasoline Co. (Cylinder & Lubricating Oils), 217 Arch
Union Petroleum Co. (Cylinder, Engine, Dynamo, Wool & Cordage Oils, Automobile, Motor Boat & Gasoline Engine Lubricants, etc.), 138 S 2d
Walton, F. S. Co., 310 Walnut
Zorn, O. F. Co. ("Peerless," "American," "Detroit" Grease, etc.), Broad & Lehigh av
PITTSBURG—**DIXON, JOSEPH CRUCIble Co., Farmers' Bank bldg.** (See adv. index, end of book)
Duquesne Oil & Supply Co., 3300 Smallman
Eagle Lubricating Oil Co., 420 1st av
Guffey, J. M. Petroleum Co., Frick bldg
Gulf Pipe Line Co. (Petroleum Lubricants)
Hamel, J. J. & Co., House bldg
Keystone Oil & Supply Co., 200 2d av
Niedringhaus & Co. (Greases), 61st & A V. R's
Penna Lubricating Co., 34th & A. V. R's
Pittsburg Oil Refining Co. (Cylinder, Spindle, etc.), 1240 W Carson
Sun Co., Columbia Bank bldg
Waverly Oil Works, 54th & A. V. R. R., Pittsburg, Pa.
Willock, S. M. (Mecca Cylinder, etc.), 54th
READING—Ellis & Cummings & A. V. R's
SCOTTDALE—Crescent Mfg. Co. ("Lackawanna" Grease)
SCRANTON—Maloney Oil & Mfg. Co.
TITUSVILLE—Frank Oil Co. (Oils)
Harris Oil & Grease Works (Gas Engine Cylinder Oils, etc.)
WARREN—Conewango Refining Co.
Cornplanter Refining Co. (Cylinder, Spindle, Engine, etc.)
Seneca Oil Works (Cylinder & Machinery)
United Refining Co. Oils
Warren Refining Co. (Cylinder, Engine, etc.)
Warren Specialty Co. (Cup & Axle Grease)
Wilburine Oil Works (Ltd.) (Petroleum Lubricants)

RHODE ISLAND.

PROVIDENCE—American Oil Co., 180 S Water
Benedict, Wm. C. & Co.
Rush, Chas. S. Co. (Oils & Greases)
Harris, A. W. Oil Co. ("Harris"), 326 S Water
Olney Bros. (Oils & Greases)
Phetteplace Oil Co., 109 Augell

TENNESSEE.

HARRIMAN—Indian Refining Co.
KNOXVILLE—Tennessee Oil Co.

TEXAS.

DALLAS—Armstrong Packing Co.
Dallas Oil & Refining Co.
HOUSTON—Texas Co.

WASHINGTON.

SEATTLE—King-Keystone Oil Co. (Engine.
Seaboard Oil Co. Cylinder, etc.)

WEST VIRGINIA.

PARKERSBURG—Stiles Bros. (Machinery & Cylinder Oils)

WISCONSIN.

MILWAUKEE—Campbell, J. M., 275 Oregon
Halsted, W. D. Oil Co., 318 E Water
Hofmeister, Leo, 396 Clinton
Independent Oil & Grease Co., 291 So. Water
Magie, E. E. Specialty Mfg. Co., 248 S Water
Peters Oil & Compound Co. (Oils & Greases), 356 Clinton
Wadham's Oil Co. ("Badger" & "Cook" Cylinder), 215 National av
OSHKOSH—Strond & Co.
WAUKESHA—Kent Lubricant Co.

Lubricators (Air Compressor)

(See also Lubricating Oils & Greases; also Lubricators, Gas Engine)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
American Lubricator Co. ("Improved"), Detroit, Mich.
Bowen Mfg. Co., Auburn, N. Y.
Detroit Lubricator Co., Detroit, Mich.
Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich.
LUNKENHEIMER CO. ("Vulcan," "Banner"), General Offices & Works: Beckman & Waverly, Cincinnati, O. (See adv index & branch offices, end of book)
Michigan Lubricator Co. ("Michigan"), Detroit Mich.
Powell, Wm., Co., 2529 Spring Grove av, Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 903 Kent av, Brooklyn, N. Y.
Williams, D. T., Valve Co., 410 E 8th, Cincinnati, O.

Lubricators (Automobile)

(See also Lubricators, Oil & Grease Cup; also Lubricators, Force Feed)

Bowen Mfg. Co., Auburn, N. Y.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO. ("Auto"), General Offices & Works, Beckman & Waverly Cincinnati, O. (See adv. index & branch offices, end of book)
McCord & Co. ("McCord" Force Feed), Old Colony bldg, Chicago, Ill.
Penberthy Injector Co. ("Penberthy"), 34 Holden av, Detroit, Mich
Schaeffer & Budenberg Mfg. Co., 903 Kent av, Brooklyn, N. Y
Williams, D. T., Valve Co., 410 E 8th, Cincinnati, O.

Lubricators (Candle)

(For Shafting & Loose Pulleys, Etc.)

Detroit Lubricating Co., Detroit, Mich.
Swain Lubricator Co. ("Swain"), c Lake & Water, Chicago, Ill.

Lubricators (Car Journal)

Armstrong Oiler Co., S 31st, Below Chestnut, Phila., Pa.
Railway Journal Lubricator Co., The ("Ideal"), Mercantile Library bldg, Cincinnati, O.

Lubricators (Electric Motor)

Armstrong Oiler Co., Commonwealth Trust bldg., Phila., Pa.
F.-M. Oil Cup Co., Rochester, N. Y.

Lubricators (Force Feed)

Baker-Churchill-Lee Co. ("Churchill"), 907 Michigan av, Detroit, Mich.
Bowen Mfg. Co., Auburn, N. Y.
Charter & Co., 305 Dearborn, Chicago, Ill.
Climax Lubricator Co., 3 Appleton, Boston,
Detroit Lubricator Co., Detroit, Mich. Mass.
Dodge Lubricator Co., 8 Waltham, Boston, Mass.
Greene, Tweed & Co. ("Multiplus" & "Rochester" Automatic), 109 Duane, New York
Hatcher Auto Parts Co. (Hand), Cleveland, O.
Illills-McCanna Co., 128 E Kinzie, Chicago, Ill.
Kinsey Mfg. Co. ("Kinwood" or "Kehoe"), Dayton, O.
Lavigne Mfg. Co., Detroit, Mich.
Lonergan, J. E. & Co. ("Keystone," Hand), 211 Race, Philadelphia, Pa.
LUNKENHEIMER CO., General Offices & Works, Beckman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCord & Co. ("McCanna"), Detroit, Mich.
Madison-Kipp Lubricator Co. ("Kip" Valveless), Madison, Wis.
Manzel Bros., 317 Babcock, Buffalo, N. Y.
Mason-Kipp Mfg. Co., Madison, Wis.
Michigan Lubricator Co. (Hand), Detroit, Mich.
Milwaukee Metal Working Co. ("Werder"), Montgomery bldg, Milwaukee, Wis.
National Sewing Machine Co. ("Crandall"), Belvidere, Ill.
Osgood, J. L., Lubricator Co. ("Automatic"), Erie Co. Bank bldg, Buffalo, N. Y.
Phenix Metallic Packing Co., 7 S Jefferson, Chicago, Ill.
Powell, Wm. Co., 2529 Spring Grove av, Cincinnati, O.
Precision Appliance Co. ("Hill"), 840 Austin av, Chicago, Ill.
Sherwood Mfg. Co. ("Hart"), Buffalo, N. Y.
Sight Feed Oil Pump Co. ("Richardson"), Milwaukee, Wis.
Standard Force Feed Lubricator Co., Rochester, N. Y.
Sterling Lubricator Co., Rochester, N. Y.

Lubricators (Gas Engine)

(See also Lubricators, Automobile)

American Injector Co., Detroit, Mich.
American Lubricator Co. ("Improved," "Perfection," "Reliable," "Crescent"), Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Eagle Brass Works (Glass Body, Steam Fitters), Detroit, Mich.
Lavigne Mfg. Co., Detroit, Mich.
LUNKENHEIMER CO. ("Paragon," "Premier," "Mars," "Vulcan" & "Banner" Multiple Feed), General Offices & Works, Beckman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Manzel Bros., 319 Babcock, Buffalo, N. Y.
Michigan Lubricator Co. ("Michigan," Sight Feed, Gas, Naphtha & Gasoline), Detroit, Mich.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Penberthy Injector Co. ("Penberthy"), 346 Holden av, Detroit, Mich.
Powell, Wm., Co., 2529 Spring Grove av, Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 903 Kent av, Brooklyn, N. Y.
Williams, D. T., Valve Co. ("Worthy," "Wonder"), 410 E 8th, Cincinnati, O.

Lubricators (Graphite)

Campbell Graphite Lubricating Co. ("Automatic Feeding"), Little Rock, Ark.
Detroit Lubricator Co., Detroit, Mich.
LUNKENHEIMER CO. General Offices & Works, Beckman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

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Lubricators (Grease & Oil Cup)

(See Lubricators, Oil & Grease Cup)

Lubricators (Locomotive)

Crescent Mfg. Co. ("Lackawanna"), Scottdale, Pa.

Detroit Lubricator Co. ("Detroit" Bullseye Pattern), Detroit, Mich.

Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich

Franklin Railway Supply Co. (Grease, for Driving Box, etc.), Franklin, Pa.

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

McCord & Co. ("McCord," Force Feed), Old Colony bldg., Chicago, Ill.

Michigan Lubricator Co. ("Stationery"), Detroit, Mich.

Nathan Mfg. Co., 85 Liberty, New York

Philadelphia Lubricator & Mfg. Co. (Inc.) ("Philadelphia"), Philadelphia Bourse, Philadelphia, Pa

Powell, Wm. Co., 2529 Spring Grove av, Cincinnati, O

Schaeffer & Budenberg Mfg. Co., 903 Kent av, Brooklyn, N. Y.

Sterling Lubricator Co. (Force Feed), Rochester, N. Y.

Williams, D. T., Valve Co., Cincinnati, O.

Lubricators (Locomotive Box)

Railway Journal Lubricator Co., Mercantile Library bldg, Cincinnati, O.

Venango Mfg. Co., Franklin, Pa.

Lubricators (Loose Pulley)

(See Oilers, Loose Pulley)

Lubricators (Multiple Oiling)

Detroit Lubricator Co., Detroit, Mich.

Essex, G. B. Brass Co. ("Standard"), Detroit, Mich.

Hall Manufacturing Co., 62 Cliff, New York

Hussey Drop Forge & Mfg. Co., Axtell opp. Osage, Cleveland, O.

Locke Regulator Co. ("Perfection"), Salem, Mass

Lonergan, J. E. & Co., 211 Race, Phila., Pa.

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Michigan Lubricator Co., Detroit, Mich.

Nathan Mfg. Co., 85 Liberty, New York

Phillips Co., 164 High, Boston, Mass.

Sherwood Manufacturing Co., Buffalo, N. Y.

Sight Feed Oil Pump Co. ("Richardson"), Milwaukee, Wis.

Lubricators (Oil & Grease Cup)

Albany Lubricating Compound & Cup Co. ("Perfect" Grease Cups only), 313 West, N. Y.

Allen, W. D. Mfg. Co. ("Bowes," "Czar," "Columbia," "Gibbs," & "Peerless"), 151 Lake, Chicago, Ill.

American General Engineering Co. ("Reliable" Oil Cup), 253 B'way, New York

American Injector Co. (Glass Oil Cups, Brass Grease Cups; also Compression Grease Cups, Moon Automatic), Detroit, Mich

American Lubricator Co. ("Pearl," "Banner," "Admiral," "Acme," "Navy," "Model," Glass Body for Oil, "Lion," "Challenge," "Art," all Brass for Grease), Detroit, Mich.

Automatic Oil Cup Co. ("Bangs," Automatic Oil Cup), Milwaukee, Wis

Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.

BAY STATE STAMPING CO. ("Bennett," Self-Closing), 380 Chandler, Worcester, Mass. (See adv. index, end of book)

Belfield, H. & Co., 435 N Broad, Phila., Pa.

Besly, Chas. H. & Co. ("Perfection," "Bonanza" Oil Cups & "Helmet" Cast Iron Oil Cups) 15 S. Clinton, Chicago, Ill

Bowen Mfg. Co. ("Empress" Line of Brass & Steel Grease Cups; Plain Compression, Plain Leather Packed, Ratchet Compression, Marine Compression, Spring Compression, Crank Pin & Funnel Shafting Cups), Auburn, N. Y.

Buckeye Iron & Brass Works, Dayton, O.

Bushnell, John S. & Co. ("McKenzie"), 123 Liberty, New York

Byrne-Kingston & Co. ("Kingston"), Kokomo, Ind.

Canton Brass Co. (Oil Only), Canton, O.

Consolidated Fruit Jar Co. (Brass), New Brunswick, N. J., & 200 B'way, New York

Crane Co., Est. 1855 (Brass & Copper), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Crane Valve Co., Bridgeport, Conn.

Crescent Mfg. Co. ("Lackawanna" Automatic Grease Cups Only), Scottdale, Pa

Crescent Oil & Supply Co. ("Babcock & Kelley"), St. Louis, Mo

Detroit Lubricator Co. ("McCoy") (Brass Dept.), Detroit, Mich.

Detroit Shipbuilding Co. (Brass Dept.), (Brass "McCoy," "Erie," "Huron," "Majestic," "Quaker," "Kirby," "Perfection," "Superior," "Eagle" & "Mutual"), Detroit, Mich.

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Dynamic Grease Cup Co., Bullitt bldg, Philadelphia, Pa

Eagle Brass Works ("Marvel," "Modern," "Ohio," "Success," "Superior," "Perfection" Plain & Glass Body Oil Cups & Plain Screw Feed & Spring Compression Grease Cups), Detroit, Mich.

Eastwood Wire Mfg. Co., Belleville, N. J.

Edna Smelting & Refining Co., Cincinnati, O.

Elliott Chemical Works ("Sterling"), Newton

Erie Stamping & Mfg. Co., Erie, Pa. Mass.

Essex, G. B. Brass Co., Detroit, Mich.

Kynon-Evans Mfg. Co. (Railroad Oil Cups), 1519 Clearfield, Phila., Pa

France Packing Co. (Inc.), 6512 State road, Phila., Pa.

GRISCOM-SPENCER CO. ("Bang's" Brass), 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)

Hall Mfg. Co. ("Hall's"), John & Cliff, New

Hancock Mfg. Co., Charlotte, Mich. York

Hatcher Auto Parts Co. ("B.-H."), 32 Columbus, Cleveland, O.

Haydenville Co., Haydenville, Mass.

Hills-McCanna Co., 128 E Kinzie, Chicago, Ill.

Holland, William, 122 S Jefferson, Chicago, Ill.

Illinois Malleable Iron Co., 515 Diversey boul. Chicago, Ill.

Jarecki Mfg. Co. (Brass), Erie, Pa.

Kelly & Jones Co. (Brass), Pittsburg, Pa.

Keystone Brass Co. ("Cyclone" Brass), Erie.

Kinsey & Mahler Co., Peoria, Ill. Pa

Knowlton Packing Co. ("Ellis"), Newton Mass.

Koehler Bros ("Moon" & "Neverslip" Grease Cups), Saginaw, Mich

Lawson Mfg. Co. (Loose Pulley), Buffalo, N. Y.

Locke Regulator Co. ("Brute"), Salem, Mass.

Lonergan, Jas. E. & Co., 211 Race, Phila., Pa

LUNKENHEIMER CO. ("Cardinal," "Pioneer," "Victor," "Sentinel," "Crown," "Pressure," "Reserve," "Royal," "Miami," "Champion," "Automatic," "Locomotive," "Spring Lid" & "Pulley" Oil Cups & "Ideal," "Lion," "Jewel," "Marine," "Tiger," "Gem," "Surety," "Positive," "Rex," "Apollo," "Steel," "Mite" & "Owl" Grease Cups), General Offices & Works: Waverly & Beekman, Cincinnati, O. (See adv. index & branch offices, end of book)

McCanna Mfg. Co., 56 N Jefferson, Chicago Ill

McNab & Harlin Mfg. Co. ("Stauffer," "Gee," "Broughtons," "Boyden" & "Yale"), 58 John, New York

McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Michigan Lubricator Co. ("Michigan," "Common Sense," "Improved Common Sense," Spring Compression, Improved Spring Compression, Loose Wire Crank Pin, "Reliable Plain," "Sargent" & "Guardsman"), Detroit, Mich

Nash Bros. & Co. ("The Michigan" Spring Compression Grease), Ogdensburg, N. Y

Nathan Mfg. Co. ("Dreyfuss"), 85 Liberty, New York

National Brass & Metal Co., 230 S 3d av Minneapolis, Minn

NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book

Nolte Brass Co. (Plain Brass Oil Cups Only) Springfield, O

Nunn Brass Works (Inc.), Rochester, N. Y.

Ohio Brass Co. (Brass & Glass), Mansfield, Ohio

Ohio Injector Co. (Brass), Wadsworth, O.

PATTERSON, GOTTFRIED & HUNTER, (Ltd.), 211 Center, New York

Penberthy Injector Co. ("Penberthy"), 346 Holden av, Detroit, Mich.

Perkes, Charles, 627 Arch, Philadelphia, Pa.

Philadelphia Lubricator & Mfg. Co. (Inc.) ("Philadelphia" Grease Cup), Philadelphia Bourse, Phila., Pa.

Phillips Co. ("Standard" Brass), Somerville, Mass.

Phillips, W. P., Sudbury bldg, Boston, Mass.

Pioneer Brass Works, Indianapolis, Ind.

Powell, Wm. Co. ("Coln," "Colonial," "Mecca," "Parole," "Petrel," "Pilgrim," "Phoenix," "Planet," "Pinnacle," "Polnter," "Pluto," "Picket," "Puritan," "Polaris" & "Vanguard"), 2525 Spring Grove av, Cincinnati, O.

Pulver, Peter & Sons, 214 Franklin, New York

Queen City Brass & Iron Works (Brass), Cincinnati, O.

Reed Mfg. Co. ("Economy" Oil Cups), Erie, Pa.

Ritchie, Gavin & Sons, Battle Creek, Mich.

Ruppenthal, J., & Son (Grease), 1002 North Broadway, St. Louis, Mo.

Seibert Cylinder Oil Cup Co. (Brass), 53 Oliver, Boston, Mass.

Sherman, H. B. Mfg. Co. (Brass), Battle Creek, Mich.

Sherwood Mfg. Co. ("Buffalo," "Niagara" & "Sherwood"), Buffalo, N. Y.

Sims Co. (Crank Pin Oil Cups), Erie, Pa.

Springfield Brass Co. (Brass), Springfield, O.

Star Brass Mfg. Co., 108 E Dedham, Boston, Mass.

Swain Lubricator Co. ("Swain"), c Lake & S Water, Chicago, Ill.

Swift Lubricator Co. ("IXL," "Sachem," "Star" & "Sancho," Glass & Brass Oil Cups & Compression Grease Cups), Elmira, N. Y.

Thiem & Co., St. Paul, Minn.

Thomas Brass & Iron Co. (Brass), Waukegan, Ill.

Tucker, W. W. & C. F. (Self-closing Rotary Head Cup), Hartford, Conn.

Wadhams Oil & Grease Co. (Wadhams Grease Cups), 215 National av, Milwaukee, Wis.

Wilkinson, W. H. & Co., West Medway, Mass.

Williams, D. T., Valve Co. ("Tacoma," "Tremont," "Tarrant," "Temple," "Topaz," "Tandem," "Automatic Needle Valve," "Dandy," "Duke," "Duchess," "Dragon," "Diamond," "Dakota"), 410 E 8th, Cincinnati, O.

Lubricators (Oil Pump)

American Lubricator Co. ("Ideal" Glass Body & "Superior," all Brass), Detroit, Mich.

Detroit Lubricator Co. ("Detroit"), Detroit, Mich.

Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich.

Essex, G. B., Brass Co., Detroit, Mich.

Kynon-Evans Mfg. Co., 1519 Clearfield, Phila., Pa.

Greene, Tweedy & Co., 17 Murray, New York

Hills, McCanna Co., 128 E Kinzie, Chicago, Ill.

Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.

Lonergan, J. E. & Co. ("Calumet & Hecla" Pattern, etc.), 211 Race, Phila., Pa.

LUNKENHEIMER CO. ("Auto," "Alpha," "Universal," "Marvel," "Imperial," & "King"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Madison-Kipp Lubricator Co. ("Kipp" Valves), Madison, Wis.

Manzel Bros. ("Manzel" Sight Feed Automatic), 319 Babcock, Buffalo, N. Y.

Michigan Lubricator Co. ("Michigan"), Detroit, Mich.

Nugent, Wm. W. & Co. ("McCune" Anti Packed Force, Sight Feed Cylinder Pumps), 18 W Randolph, Chicago, Ill.

Penberthy Injector Co. ("Penberthy"), 346 Holden av, Detroit, Mich.

Phenix Lubricator Co. (Automatic), 7 S Jefferson, Chicago, Ill.

Powell, Wm. Co., 2529 Spring Grove av, Cincinnati, O.

Schaeffer & Budenberg Mfg. Co. (Glass Body), 903 Kent av, Brooklyn, N. Y.

Schutte & Koerting Co., 12th & Thompson, Phila., Pa.

Seibert Cylinder Oil Cup Co., 53 Oliver, Boston

Sherwood Mfg. Co. ("Felthousen" Hand, Cylinder & Automatic Sight Feed), Buffalo, N. Y.

Sight Feed Oil Pump Co. (The "Richardson" Automatic Sight Feed), Milwaukee, Wis.

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Stahl-Salter Lubricating Co. (Stahl's Conical Base Grease Cups), Minneapolis, Minn.
Sterling Lubricator Co. (Force Feed), Rochester, N. Y.
Williams, D. T., Valve Co. ("Walrus"), 410 E 8th, Cincinnati, O.

Lubricators (Pneumatic Tool)

Carron, A. M. & Co. ("Pittsburg), 200 Penn av, Pittsburg, Pa.

Lubricators (Sight Feed)

American Lubricator Co. ("Perfection," "Reliable" & "Crescent," Glass Body), Detroit, Mich.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crescent Mfg. Co. ("Lackawanna," for Stationary Locomotive & Marine Engines), Scottdale, Pa.
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Detroit Lubricator Co. ("Detroit." "Zero," "Kid"), Detroit, Mich.
Detroit Ship Building Co. ("Kirby"), Detroit, Mich.
Eastwood Wire Mfg. Co. ("Couse"), Belleville, N. J.
Essex, G. B. Brass Co., Detroit, Mich.
Flower, Walter L. Steam Specialty Co. ("Ashton"), 312 S 8th, St. Louis, Mo.
Hall Mfg. Co. ("Hall's"), John & Cliff, New York
Handlan-Buck Mfg. Co. ("Dibble"), 212 N 3d, St. Louis, Mo.
Haydenville Co., Haydenville, Mass.
Jarecki Mfg. Co. ("Erie"), Erie, Pa.
Kelly & Jones Co. ("Westmoreland"), Pittsburg, Pa.; Works: Greensburg, Pa.
Knowlton Packing Co. ("Ellis," "Ideal), Newton, Mass.
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Hercules," for Air Compressors, "Cupid" for Small Blowers, "Arctic" for Ammonia Compressors). General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McNab & Harlin Mg. Co. ("Boyden"), 56 John, New York
McRAE & ROBERTS CO. ("The Acme," "Eureka," "Never Fail"), 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Manzel Bros., 319 Babcock, Buffalo, N. Y.
Michigan Lubricator Co. ("Michigan," "Cyclone," "Rural," etc.), Detroit, Mich.
Nathan Mfg. Co., 85 Liberty, New York
Ohio Brass Co., Mansfield, O.
Ohio Injector Co. ("Chicago," "Ohio"), Wadsworth, O.
Osgood, J. L., Lubricator Co. ("Valveless"), Erie Co. Bank bldg, Buffalo, N. Y.
Philadelphia Lubricator & Mfg. Co. (Inc.) ("Philadelphia"), Phila. Bourse, Phila., Pa.
Pittsburg Brass Mg. Co., 107 Wood, Pittsburg, Pa.
Powell, Wm. Co. ("Trojan," "Columbian," "Star," "Crescent," "Ensign"), 2529 Spring Grove av, Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Selbert Cylinder Oil Cup Co., 53 Oliver, Boston, Mass.
Sherwood Mfg. Co. ("Buffalo"), Buffalo, N. Y.
Sight Feed Oil Pump Co. ("Richardson" Automatic Sight Feed Oil Pump), Milwaukee, Wis.
Star Brass Mfg. Co., 108 E Dedham, Boston, Mass.
Sterling Lubricator Co., Rochester, N. Y.
Swift Lubricator Co., Elmira, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Wilkinson, W. H. & Co., West Medway, Mass.

*Lubricators (Steam Engine)

LUNKENHEIMER CO. ("Senior," "Junior," "Graphite," "Major," "Monarch"). General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

*Lug Hooks or Timber Carriers

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)

*Lugs (Hinge)

RIESECK, P. (For Fire Proof Doors & Shutters), Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)

Lugs (Tank)

Baker Mfg. Co., Evansville, Wis.
FAIRBANKS, MORSE & CO., (Riveteless & Eclipse Steel), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Girard Iron Works, 22d & Master, Phila., Pa.
Gowanda Agricultural Works (Silo Lugs), Gowanda, N. Y.
Lang, M. & Sons, 101 S 29th, Pittsburg, Pa.
Pacific Tank Co., Los Angeles, Cal.
Racine Tank Lug Co., Racine, Wis.
Tecktonius, E. O. Mfg. Co. (Malleable Iron), Racine, Wis.

Lumber (Creosoted)

(See Creosoting Works)

Lumber Drying Kilns

(See Kiln Drying Apparatus)

Lumber (Kyanized)

Allen, Otis & Son, Lowell, Mass.
Berlin Mills Co., Portland, Me.

*Lumber Leads

DIXON, JOS. CRUCIBLE CO. ("Dixon's," for Green or Dry Lumber), Jersey City, N. J. (See adv. index & branch offices, end of book)

Lumber Mfrs. (Cypress)

Cypress Lumber Co. (Lumber & Shingles, Tanks & Vats), 88 Broad, Boston, Mass., & Apalachicola, Fla.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

HENDRICKS COMMERCIAL

IT IS NOT A CATALOG OF ADVERTISERS ALONE, BUT A COMPLETE REGISTER OF THE MANUFACTURERS AND JOBBERS IN EVERY LINE OF TRADE THAT COMES WITHIN THE SCOPE OF THE WORK.

REGISTER

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Lumber Mfrs. & Wholesale Dealers

Star (*) denotes Manufacturers.
Dagger (†) denotes Inspectors & Shippers.
Section Mark (§) denotes Wholesale Dealers.

This is not an absolutely complete list of Lumber Manufacturers & Wholesalers. It is compiled for those who want to purchase lumber.

ALABAMA.

ANNISTON—Ray, J. W. (Saw Mill)
ASHFORD—Pieree Lumber Co.
ATMORE—*Carney, W. M. Mill Co. (L. L. Yellow Pine)
*Steadham, J. V. (Est. of)
BELLAMY—Allison Lumber Co. (Saw Mill)
BESSEMER—Edwards, G. B.
BIRMINGHAM—§Alabama Lumber Co.
*American Lumber & Export Co. (Yellow
*Clear Creek Lumber Co. Pine)
§Farrior, J. W. & Co.
§Iron City Lumber Co.
*Johnston, T. H. & Co. (Yellow Pine)
*Kaul Lumber Co. (Saw Mill, Yellow Pine.
*Lathrop Lumber Co. (Yellow Pine) etc.)
Standard Lumber & Mfg. Co.
BON SECOUR—*Swift, C. A. & Sons (Lumber & Saw Mill)
BRANTLEY—Rogers, W. C. & Son (Saw Mill)
BREWTON—*Cedar Creek Mill Co. (Yellow
Lovelace Lumber Co. Pine)
BROOKLYN—Amos, E. N. (Saw Mill)
CAMDEN—Jones, T. J. & Co. (Saw Mill)
McWilliams, R. E. (Saw Mill)
CARBON HILL—Guthrie, B. B. (Saw Mill)
CARROLLTON—*Kilpatrick Bros. (Saw Mill)
CHAPMAN—*Smith, W. T. Lumber Co. (Yellow Pine)
CLARKSVILLE—Coats, V. A. (Saw Mill)
CLAYTON—Robertson, W. H. (Saw Mill
COHASSET—*Foshee & Travis (Lumber & Saw Mill)
CREOLA—Hatter T. A. & Son (Saw Mill)
CYPRESS—Cypress Hardwood Co.
DEATSVILLE—Mills, A. D. (Saw Mill)
DECATUR—Jervis Lumber Co.
DELCHAMPS—*Fowl River Lumber Co. (Saw Mill)
DEMOPOLIS—Wood, H. L. Lumber Co.
EVA—Stewart, Wiley (Saw Mill)
EVERGREEN—Smith, H. L. (Saw Mill)
FACKLER—Jones Lumber Co. (Saw Mill)
FLOMATON—*Walker, E. (Yellow Pine)
FULTON—*Scotch Lumber Co. (Yellow Pine)
GADSEN—*Kyle Lumber Co. (Yellow Pine)
GANTT—Gantt, D. B. & Bro. (Saw Mill)
GENEVA—*Gulf Yellow Pine Co. (Yellow Pine)
Tatom Lumber Co. (Saw Mill)
GURLEY—*Roberts, W. T. (Hardwood)
HOLLYWOOD—§Noble, F. F. Co.
HUNTSVILLE—*Huntsville Mfg. & Lumber
LAMISON—*Frost-Sibley Lumber Co. Co.
LOCKHART—*Jackson Lumber Co. (Yellow Pine)
LUVERNE—Bentley, Taylor & Beall (Saw Mill) Pine)
MARBURY—*Marbury Lumber Co. (Yellow
MARLOW—Grove, J. W. (Saw Mill) Pine)
MORILE—*Alabama Hardwood Lumber Co.
Bay City Lumber Co. (L.-L. Yellow Pine)
Bay Shore Lumber Co.
*Blackshar Co. (Yellow Pine & Saw Mill)
*Cameron, J. D. & Son (Lumber & Shin-
Hieronymous Bros. (Saw Mill) gles)
Hunter, Benn & Co. (Exporters)
Martin, Taylor Timber Co. (Lumber & Timber)
§Syson, W. K. & Co. (Pitch Pine, etc.)
MONTGOMERY—*Alabama Hardwood Mfg. Co.
§Alabama Lumber Co. (Lath & Shingles)
§Flowers, E. P. & Co.
*Montgomery Lumber Co. (Hardwood
Lumber & Flooring, Ceiling, Finishing, Moulding, etc.)
§Southern Pine Lumber Co. (Yellow Pine)
§Vesuvius Lumber Co.
NEW DECATUR—Payne, E. C.
OAK GROVE—*Davis, M. L. (Yellow Pine)
POLLARD—Lindsey Lumber Co.
RICHBURG—*Henderson-Boyd Lumber Co. (Yellow Pine)
SANFORD—*Henderson Lumber Co. (Yellow Pine)
STOCKTON—*McMillan Bros.
Stockton Shingle Co.
SUMTER—*Sumter Lumber Co. (Yellow Pine)
VINEGAR BEND—*Vinegar Bend Lumber Co. (Yellow Pine)
WAGAR—*McClure Lumber Co. (Yellow Pine)

ARIZONA TERRITORY.

FLAGSTAFF—*Arizona Lumber & Timber Co.
NOGALES—§Roy & Titcomb
PHOENIX—De Mund Lumber Co.
Ryder, H. W. (Saw Mill)
Valley Lumber Co.
TUCSON—Corbett J. Knox Lumber Co.
Tucson Lumber Co.

ARKANSAS.

ASHDOWN—*Bowles, J. R.
BEARDEN—*Cotton Belt Lumber Co. (Yellow
BEIRNE—Clark, J. G. (Saw Mill) Pine)
BLISSVILLE—Bliss-Cook Oak Co. (Band Sawed White & Red Oak)
CROSSETT—*Crossett Lumber Co. (Yellow
DELIGHT—*Delight Lumber Co. Pine)
DEQUEEN—*Williamson Bros. (Yellow Pine)
DEVALL BLUFF—*Stoneman-Zearing Lumber Co. (Hardwoods)
DRAUGHON—*Saline River Lumber Co. (Yellow Pine)
EAGLE MILLS—*Eagle Lumber Co. (Yellow
EARL—*Crittenden Lumber Co. Pine)
EL DORADO—*El Dorado Hardwood Mfg. Co.
*Eldorado Lumber Co.
ELLIOTT—*Iron Mountain Lumber Co. (Yellow Pine)
FAYETTEVILLE—Northwest Arkansas Lumber Co
FORDYCE—*Fordyce Lumber Co. (Yellow Pine)
*Hampton Stave Co.
FORT SMITH—*Dyke Bros.
FROSTVILLE—*Red River Lumber Co. (Yellow Pine)
GIFFORD—*Steward, Alexander Lumber Co. (Yellow Pine)
GILMORE—*Chapman & Dewey Lumber Co.
GREENFIELD—*Greenfield Lumber Co. (Hardwood, Cypress, Oak, Ash, etc.)
GRIFFIN—Griffin Mill Co. (Saw & Planing Mill)
GURDON—*Gurdon Lumber Co. (Yellow Pine)
HELENA—*Hackley-Phelps-Bonnell Co.
*McDonald Bros. (Hardwood)
*Reeves, W. D. Lumber Co. (Hardwood)
HOPE—*Hope Lumber Co. (Yellow Pine)
HORATIO—*McCoy, J. L.
JONESBORO—*Alfrey, H. (Tight Barrel, Circled Headings, from all Woods)
JUNCTION—*Cornie Stave Co.
LESTER—*Lester Mills Co. (Yellow Pine Finish, Moulded Castings & Base)
LITTLE ROCK—*Abeles, C. T. & Co. (Yellow Pine, Cypress Lumber, Moulding, etc.)
*Arkansas Cypress Shingle Co. (Shingles)
*Central Mill Co. (Lumber, Lath & Shin-
*Cypress Lumber & Shingle Co. gles)
Fee-Crayton Hardwood Lumber Co. (Ash, Hickory, Walnut, Cottonwood, Cypress, Persimmon, etc.)
Ferguson, C. E., Saw Mill Co.
*Ferguson Lumber Co. (Yellow Pine & Red
*Niemeyer, A. J. Lumber Co. Cypress)
MADISON—*Wheeler, J. W. & Co. (Hardwood)
MALVERN—*Wisconsin & Arkansas Lumber Co. (Yellow Pine)
MARIANNA—*Ind. & Ark. Lumber & Mfg. Co
L'Anguille Lumber Co. (Saw Mill)
MENA—*Watkins Lumber Co.
MILLVILLE — *Freeman-Smith Lumber Co. (Yellow Pine)
NEWPORT—Fee-Crayton Hardwood Lumber Co.
PERLA—*Malvern Lumber Co. (Yellow Pine)
PIKE—*Johnson, Spencer Lumber Co.
PINE BLUFF—*Bluff City Lumber Co. (Yellow Pine & Cypress)
*Sawyer & Austin Lumber Co. (Lumber & Yellow Pine Saw Mills)
PRESCOTT—*Ozan Lumber Co. (Yellow Pine)
RISON—*Porter, J. I. Lumber Co. (Yellow Pine)
SAGINAW—*Saginaw Lumber Co. (Yellow Pine)
STAMPS—*Bodcaw Lumber Co. (Yellow Pine)
TEXARKANA—Buchanan, Wm. (Lumber Broker)
*Floyd, J. F. Lumber Co. (Yellow Pine & Cypress Shingles)
*Southern Pine Lumber Co. (Yellow Pine Mixed Cars a Specialty)
THORNTON—*Stout-Greer Lumber Co. (Yel-
TURRELL—Baker Lumber Co. low Pine)
WARREN—*Arkansas Lumber Co., The (Pine & Hardwood)
*Bradley Lumber Co., The (Yellow Pine)
*Southern Lumber Co. (Yellow Pine)
WESSON—*Edgar Lumber Co. (Yellow Pine)
WILMAR—*Gates Lumber Co. (Yellow Pine. Lumber & Cypress Shingles)

CALIFORNIA.

ALBION—*Albion Lumber Co. (Redwood Lumber, Shingles & Ties)
BAKERSFIELD—Union Lumber Co.
BELLA VISTA—*Terry Lumber Co.
BERKELEY—*Bruce Lumber & Mill Co.
§Hunter Lumber Co.
BLACK DIAMOND—*Redwood Mfg. Co. (Redwood Lumber, Air Dried)
BOULDER CREEK—Bloome, I. T.
CASPAR—*Caspar Lumber Co. (Redwood Ties & Shingles)
CHICO—Stebbins, A. O. & Son (Saw Mill)
DUNCANS MILLS—*Duncan's Mills Land &
EUREKA—Bayside Lumber Co. Lumber Co.
*Dolbeer & Carson Lumber Co. (Redwood Lumber & Shingles)
*Elk River M. & Lumber Co. (Redwood, Saw Mill)
*McKay & Co. (Redwood Lumber & Shin-
FOREST HILL—*Finning, B. gles)
FORT BRAGG—*Union Lumber Co. (Redwood Lumber, Shingles & Ties)
FRESNO—Fassett Lumber Co.
Fresno Lumber Co.
*Hollenbeck-Bush Co.
Madary Planing Mill Co., Inc.
Valley Lumber Co.
GILROY—*Whitehurst & Hodges
GUALALA—*Empire Redwood Co. (Saw Mill)
HALF MOON BAY—Borden, Chas. W. Saw Mill)
HOBART MILLS—*Overton Merc. Co. (White & Sugar Pine, Box Shooks, Door Shooks, Fruit & Packing Boxes, Lath Pickets, Shingles, Ceiling & Flooring, Rustic & Sliding Moulding, etc.)
KORBEL—Northern Redwood Lumber Co.
LOMPOC—*Salinas Valley Lumber Co.
LOS ANGELES—§Algoma Lumber Co.
§Blinn, L. W. Lumber Co.
§Culver Lumber Co.
§Inter-State Dock & Lumber Co.
§Morse & Briggs Lumber Co.
§National Lumber Co.
§Patten-Davies Lumber Co.
§San Pedro Lumber Co.
§Stanton, E. J.
§Western Hardwood Lumber Co.
§Wood, E. K. Lumber Co.
MENDOCINO—*Mendocino Lumber Co.
OAKLAND—§Derby, E. M. Co.
§Greater Oakland Co.
§Hidecker Lumber Co.
§Sunset Lumber Co.
OCCIDENTAL—*Meeker, M. C.
PASADENA—Blinn Lumber Co.
Kerckhoff-Cuzner Mill & Lumber Co.
PLACERVILLE—*Blair, J. & J. Lumber &
PLATEAU—*Benton, T. H. Land Co.
POINT ARENA—*White, L. E. Lumber Co. (Redwood, Sugar Pine & Cal. White Pine)
RED BLUFF—*Sierra Lumber Co. (Cal. White & Sugar Pine Lumber, Fruit Boxes, Drying Trays, Cedar Posts, Box Shooks, etc.)
REDWOOD CITY—McArthur & Hartley (Shingles)
SACRAMENTO—Friend & Terry Lumber Co.
SAN BERNARDINO—Gill, J. B. Lumber Co.
Suverkrup, John
SAN DIEGO—Russ Lumber & Mill Co.
§San Diego Lumber Co. (Redwood Lumber & Shingles)
SAN FRANCISCO—Acme Lumber Co., 6th & Adams, W. J., Babcock bldg Channel
Allen & Higgins Lumber Co., Howard & Spear
*Bellingham Bay Lumber Co., Sansom & Chestnut
§Byxbee & Clark Co. (Redwood & Pine), Balboa bldg
§Carey, F. W. & Co., 112 Market
*Carter, Geo. E. & Co., Williams bldg
Caspar Lumber Co., Kohl bldg
Central Lumber & Mill Co., 21 11th
*Dieckmann Hardwood Co. (West Coast Mahogany, Spanish Cedar)
Dodge, E. J. Co., 16 California
Doe Chas. F. & Co Powell & Beach
*Dolbeer & Carson (Redwood Lumber & Shingles), Merchants' Exch bldg
Duncan's Mills, Land & Lumber Co., 112 Market
Lumber & Shingles) Drumm & California
*Excelsior Redwood Co., 4th & Berry
Gardiner Mill Co., 16 California
Gray, G. D., Merchants' Exch bldg
*Gray's Harbor Lumber Co. (Fir, Spruce & Red Cedar Lumber & Shingles), 244 California
§Hanify, J. R. & Co. (Redwood), 24 Market

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§Harmon, S. H. Lumber Co. (Pine, Spruce & Redwood), 5th & Bryant
§Hickman & Masterson, Mason & Jefferson
*Hobbs, Wall & Co. (Redwood Lumber), 613 Howard
Hooper, C. A. & Co., Balboa bldg
Hooper, Geo. Williams, 112 Market
*Hooper, F. P. & J. A., Merchants' Exch bldg
*Humboldt Lumber Co., 205 Berry
§Inman, Poulson & Co., 16 California
§Johnson-Schraeder Co., 208 Market
*Loma Prieta Lumber Co., Union Trust bldg
McKay & Co. (Redwood Lumber & Shingles), Monadnock bldg
*Mendocino Lumber Co., Crocker bldg
§Nelson, Chas. Co. (Redwood, Pine Shingles, Posts, etc.), 112 Market
Niehaus & Co. (Inc.) (Hardwood), 564 Brannan
§Olson-Mahoney Shipping & Comm. Co., ft of Powell
*Pacific Lumber Co. (Redwood, Pine & Shingles), California & Drum
*Pacific Pine Co. (Puget Sound Lumber, Rough Douglas Fir, R. R. Ties, Rustic Sidings, Bridge Timber, Car Sills, etc. for Export), Main & Howd
§Pollard & Co. (Redwood Lumber & Shingles), 110 Market
*Pope & Talbot (Lumber, Timber, Piles, Spars, etc.)
Port Blakely Mill Co., Drum & California
§Port Costa Lumber Co., 110 Market
*Renton, Holmes & Co. (Spars & Poles), Drum & California
Richardson Co., 42 Market
Rowe, F. H. Lumber & Mill Co., Army & Bryant
*Salinas Valley Lumber Co., Merchants Exchange bldg
§San Pedro Lumber Co., 110 Market
§Schouten, J. W. & Co. (Redwood, Pine Lumber & Shingles), 124 Townsend
§Sierra Lumber Co. (Pine, Spruce & Fir) Russ bldg.
Simpson Lumber Co., 112 Market
§Slade, S. E. Lumber Co. (Pine & Spruce), 245 Guero
§Stockton, A. L. Lumber Co., Merchants 112 Market
*Tacoma Mill Co. (Douglas Fir, Oregon Pine, Plank, Timber, Ship Plank, Flooring, Rustic Ceiling, Lath, Pickets, Staves, Spars, Piling, Red Cedar Shingles, etc.) 310 Sansom. Works, Tacoma, Wash.
§Truckee Lumber Co. (of S. F.), Flood bldg
§Union Lumber Co. (Ties, Poles, Pine & Redwood Piles, Spars, etc.), Crocker bldg.
§Valley Lumber Co., 110 Market
Wendling Lumber Co., Flood bldg
*West, A. J. Lumber Co., 214 Front
§White Bros. (Hardwood Importers & Dealers), c Spear & Howard
§White, L. R. Lumber Co. (Redwood Lumber, Ties, Posts & Tan Bark), Balboa
Wilson Bros. & Co., 324 Barry bldg
*Wood, E. K. Lumber Co. (Fir & Spruce), 112 Market

SAN JOSE—Alameda Lumber Co.
*Chase, S. H. & Co. (Lumber & Saw Mill)
*Glenwood Lumber Co. (Lumber & Mill Work)
Hubbard & Carmichael Bros. (Lumber)
*Santa Clara Valley Mill & Lumber Co. (Lumber & Mill Work)
SANTA ANA—Griffith, J. M. Co.
Pendleton, S. H.
SANTA BARBARA—*Humphrey, G. W. & Co. (Planing Mill)
*Union Mill Co. (Planing Mill)
SANTA CRUZ—*Hihn, F. A. Co.
SCOTIA—*Pacific Lumber Co. (Redwood, Pine & Shingles)
SELMA—*Olsen & Henrikson (Planing Mill)
SISSON—*Wood & Sheldon Lumber Co. (Saw Mill, Lumber, etc.)
SUNNY SOUTH—Power, H. T. (Saw Mill)
Sugar Pine Mill Co.
WESTPORT—Pollard Lumber Co.

COLORADO.

COLORADO SPRINGS — Crissey-Fowler Lum-
*Newton Lumber & Mfg. Co. ber Co
DENVER—*Bingham, H. W., Larimer, 2d & 3d
English, R. W. Lumber Co., 16th c Arapahoe
Faris, A. N., 1429 Milwaukee
Farrar & Guy, W 12th av & S 4th
Fleming Bros., 139 Bway
Hallack & Howard Lumber Co., Larimer c 17th
Lewis & Wheeler Merc. Co., 1537 18th
†McPhee & McGinnity, 18th c Wazee
§Oregon Lumber Co., 1648 Platte
Salzer, B. F. Lumber Co., Idaho c Virginia av
Sayre-Newton Lumber Co., 23d c Blake
Tabor-Pierce Lumber Co., W 1st av, c Santa Fe av
GREELEY—Clayton Lumber Co.
Mayher, Wm.
PUEBLO—Foley, T. H. Lumber Co.
Newton Lumber Co.
TRINIDAD—Davis, O. L. Lumber Co.
Hughes Bros. Lumber Co.

CONNECTICUT.

AVON—Woodford, H. W.
BRIDGEPORT—§Burritt, A. W. Co.
Miller, Frank Lumber Co. (Saw Mill)
Park City Lumber Co.
West End Lumber Co.
HARTFORD—Capitol City Lumber Co.
*Conn. Valley Lumber Co.
§Harlow Lumber Co.
§Hartford Lumber Co. (Pine, Hardwood Lath, Shingles, etc.)
Taylor, Edwin Lumber Co.
MERIDEN—Bishop, Dexter L. Co. (Saw Mills)
§Lyon & Billard Co.
NEW HAVEN—§Connecticut Box Co. (Lumber & Shooks, etc.)
*Crosby & Beckley Co. (Hardwood)
§De Forest & Hotchkiss Co., 115 Water
*Elm City Lumber Co.
Fogg, Ezra D. Co.
Hartshorn, F. E.
§Lampson Lumber Co. (Spruce, Southern Pine, Cypress)
*New Haven Saw Mill Co. (Southern Pine)
*Sanford & Treadway (Hardwoods)
NEW LONDON—§Chappell, F. H. & A. H. Co.
*Raymond, L. Q. (Saw Mill, Ties, Poles, Timber, etc.)
NORTH HAVEN—Doolittle Bros. (Saw Mill)
NORWICH—§Brewer, A. Henry
Potter, A. L. & Co. (Saw Mill)
SALEM—Clark, M. S. (Saw Mill)
SEYMOUR—Hoadley, Edw. L. (Saw Mill)
STAMFORD—§Getman & Judd Co.
TORRINGTON—*Wadhams, F. L. (Saw Mill)
WALLINGFORD—Wallingford Lumber Co.
WATERBURY—Brass City Lumber Co., 90 Meadow
City Lumber & Coal Co., 56 S. Willow
§Tracy Bros. Co.
Waterbury Lumber & Coal Co., 107 Meadow
WESTFORD—Barlow, A. G. & Son
WEST HAVEN—Richards, H. H. Lumber Co.
WILLIMANTIC—Hillhouse & Taylor
WINSTED—*Bronson Bros.
*Buckley, F. E. (Saw Mill, etc.)
Burwell, J. C.
Tiffany & Pickett (Saw Mill)

DELAWARE.

LEWES—Arnell, Robt.
Ingram, A. P. & Co.
MILFORD—Milford Lumber Co.
NEW CASTLE—Blaison, J. T. & L. B.
SEAFORD—Parsons, S. H. (Saw Mill)
WILMINGTON—§Anger, Geo. H. & Co.
§Cranston, John A. Lumber Co.
Diamond Lumber Co.
*Kent, Lindley C. Co.
Simmon, S. G. & Bro.

DISTRICT OF COLUMBIA.

WASHINGTON—Adam, Geo. H., 1800 Benning rd
§Carter & Clarke, 10th St Wharf, S. W.
§Church & Stephenson, 8th & C, S. W.
Crupper, Jos. L. (Saw Mill), 13th & Ohio av, N. W.
§Gallihar, W. T. & Bro., 13th & B, N W
§Johnson & Wimsatt, 1212 Water, S W
§Libbey, Frank & Co., 6th & New York av.
§Libbey, J. F., 3018 K, N. W. c N. W.
*O'Brien & Hall, 10 St Wht, S. W.
§Riley, T. R., 13th & Ohio av, N. W.
§Shryock, T. J. & Co., S Capitol & Va. av
Smith, Thos. W., 1st c Ind. av, N. W.

FLORIDA.

APALACHICOLA—*Cypress Lumber Co. (Band Sawed Gulf Cypress, Long, etc.)
BAKERS MILLS—High, Jno. (Saw Mill)
BAYARD—Dannelly, J. M. & Son
BLUFF SPRINGS—Byrne, P. C. (Saw Mill)
CARRABELLE—*Franklin County Lumber Co.
CARTERS—Carter Mfg. Co. (Shingle Mill)
Carver, M. O. (Crate Mill)
CARYVILLE—*Wood, Geo. E. Lumber Co.
CENTURY—*Alger-Sullivan Lumber Co. (Yellow Pine)
COLEMAN—Turner, J. T. & Co.
DE FUNIAK SPRINGS—*Beach, Rogers & McPhail Lumber Co. Co.
DUPONT—White, U. J. Co. (Saw Mill)
FERNANDINA—Borden, N. B. & Co. (Pitch Pine Exporters)
*Cooney, Eckstein & Co.
Duryee, W. B. C. (Lumber Broker)
McNair & Son (Saw & Planing Mill)
HARNEY—*Beckwith & Warren Bros.
*Seminole Cypress Co.
JACKSONVILLE—Baxter, G. S. & Co.
Corse, Montgomery (Shingle Mill)
*Cummer Lumber Co. (L. L. Yellow Pine)
*Ensign Lumber Co.
Eppenger & Brussell Co. (Yellow Pine), Dyall Upchurch bldg
Gress Mfg. Co. for Fla.
Hirsch Lumber Co.
*Hunter, Dexter (Yellow Pine)
Long, F. W. & Co. (Cypress & Yellow Pine)
*West Lumber Mfg. Co.
§Weston-Zaring Co.
MARYSVILLE—*West Florida Hardwood Co. (Ash, Hickory, Bay, Poplar, Cottonwood, Red Gum & Red & White Oak)
MONTBROOK—*McNair & Wade Lumber Co.
*Tyler, T. M. Lumber Co.
MUSCOGEE—*Southern States Lumber Co. (Yellow Pine)
NOCATEE—*King Lumber & Mfg. Co.
PALATKA—*Selden Cypress Door Co. (Cypress)
Tilghmann, N. J. & Sons (Lumber & Shingle Mill)
*Wilson Cypress Co. (Cypress Lumber, Siding, Shingles, etc.)
PENSACOLA—*Baars, H. & Co. (Pitch Pine)
*Keyser-Muldon Co. (Exporters)
*Pensacola Lumber Co. (Pitch Pine Exporters)
Robinson-Point Lumber Co. (Saw Mill)
§Robinson, Rix M. (Exporter)
Rungan Co. (Saw Mill)
*Southern States Lumber Co.
PINE BARREN—*McMillan Mill Co. (Yellow Pine)
PLANT CITY—Warnell Lumber & Veneer Co.
RODMAN—*Rodman Lumber Co. (Saw Mill)
WALDO—Canthen & Co. (Shingle Mill)
WATERTOWN—*East Coast Lumber Co. (Saw Mill)
WEST LAKE—West Bros. (Saw Mill) Mill)
WEST PALM BEACH—Lainhart & Potter
WHITFIELD—Kelly, J. I. Co. (Saw Mill)
WHITE SPRINGS—*Camp, R. J. & B. F. Lumber Co. (Yellow Pine)
WILLISTON—*Medlin, R. D. & Co. (Yellow Pine)

GEORGIA.

ABBEVILLE—*Wilkinson Co. (Shingle Mill)
ADRIAN—Rentz, E. P.
AILEY—Coursey, J. A.
Sharpe, Grove (Saw Mill)
AIMAR—Aimar, W. W. (Saw Mill)
ALAMO—Sears, H. L. (Shingle Mill)
ALLAPHAHA—Allaphaha Lumber Co.
ASHBURN—*Betts, J. S. Co. (Yellow Pine, Lumber, Lath & Shingles)
ATHENS—Moss, R. L. Mfg. Co. (Planing Mills)
ATLANTA—*Alexander Lumber & Mfg. Co., 606 Empire bldg
Atlanta Hardwood Co., McDonough rd, Sou Ry.
Colcord Lumber Co., Peters bldg.
§Crockett, D. T., Fourth Nat'l B'k bldg
*Enterprise Lumber Co., 603 Candler bldg
George & Allen Lumber Co., Empire bldg
§Haas, Albert Lumber Co., 1030 Candler
*Hosch Lumber Co., Century bldg bldg
§Lake, Frank G., 24 Walton
§Lowe, R. E. Co., Fourth Nat'l B'k bldg
§Piedmont Lumber Co., Austell bldg
*Ray, D. J., 510 Temple ct
*Royal Lumber Co., Empire bldg
§Simpson & Harper, Fourth National Bank bldg
§Smith & Simpson Lumber Co., Peters bldg
Union-Pinopolis Saw Mills, Empire bldg
§West Lumber Co., Peters bldg
Williams, G. O. (Lumber & Planing Mill), 391 Marietta
Willingham, E. G. & Sons (Lumber & Planing Mill), 342 Whitehall
WILLINGHAM—Lift Lumber Co., 200 Murphey
Woodward Lumber Co., 25 Murphey
§Zuber, J. W., Empire bldg
AUGUSTA—*Augusta Lumber Co. (Long Leaf Yellow Pine)
*Perkins Mfg. Co. (Yellow Pine)
BAINBRIDGE—*Flint River Lumber Co. (Yellow Pine)
§Ramsey-Wheeler Co.
*Swindell, E. & Co. (Mfrs. & Exporters of Yellow Pine)
BEECH HILL—Ivey, H. J. (Saw Mill)

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BLAKELY—*Flowers Bros. Lumber Co. (Yellow Pine Rift Flooring a Specialty)
BRINSON—*Stuart Lumber Co. (Yellow Pine)
Warren, S. J. (Saw Mill)
BRUNSWICK—§Aiken, Frank D. (Red Cypress & R. R. Ties, for Export, etc.)
Broadhead, Jas. E. (Lumber & Crossties)
Brown & Co. (Cross Ties, Lumber)
*Cooney, Eckstein & Co. (Yellow Pine Lumber & Cross Ties)
§Emanuel, N. & Co. (Lumber & Cross Ties)
Hirsch Lumber Co.
*Taylor-Cook Cypress Co. (Yellow Pine)
CEDARTOWN—Bailey, S. C. (Saw Mill)
CORDELE—Cordele Lumber Co. (Lumber, Shingles & Lath)
DALTON—*Alacuisey Lumber Co.
*Cherokee Mfg. Co.
*Farrar Lumber Co. (Yellow Pine, Brackets, Blocks & Mill Finish)
DARIEN—*Hilton & Dodge Lumber Co. (Cypress & Yellow Pine)
ELLIJAY—§Shippen Bros. Lumber Co.
KESTLER—*Boyd-McDavid Lumber Co. (Yellow Pine)
LAGRANGE—Pike Bros. Lumber Co.
LAWRENCEVILLE—*Ambrose, J. A. & Co.
Jackson, C. P. & Bro. (Saw Mill)
LONG POND—*Calhoun, J. W. & Wm. (Saw Mill)
LUMBER CITY—*Ocmulgee River Lumber Co.
LYONS—Thompson, J. L. (Saw Mill)
MACON—Massee & Felton Lumber Co.
MINEOLA—*Mineola Mill Co. (Yellow Pine)
MOULTRIE—*Colquitt Lumber Co.
Corbett & Taylor (Saw Mill)
*Daugherty, Morrison & Co.
*Huber, Norman Lumber Co.
*Southern Lumber Co.
MOUNT PLEASANT—Aiken, L. R. & Bro.
NEWNAN—*Cole, R. D. Mfg. Co.
OCILLA—*Ensign-Oskamp Co. (Saw Mill)
OLYMPIA—West Yellow Pine Co.
ROME—*O'Neill Mfg. Co. (Yellow Pine)
SAVANNAH—Bacon, A. S. & Sons (Shingles, Lumber, etc.), 15 Whitaker
Calhoun, J. A. (Exporter), 228 Bay E
§Craig, G. F. & Co.
*Dixon Lumber Co. (Planing Mill, etc.)
*Eagle Mfg. Co. (Boxes, etc.)
§Georgia Pine Co.
§Granger & Lewis (Wholesale Export Lumber)
§Heard Lumber Co.
*Hirsch Lumber Co. (Lumber, Bridge Timber, Poles, Ties, etc.)
Jarrett Bros. (Saw Mill, etc.)
Perez-Petinto & Co. (Exporters Lumber)
*Reppard, Snedeker & Co. (Lumber & Shingles)
*Southern Pine Co. (of Georgia), (Yellow Pine Lumber, Rough & Dressed Shingles, Lath, Mouldings, Newell Posts, Balusters, Flooring & Heavy Timber)
*Vale Royal Mfg. Co. (Shingle Mill)
THOMASVILLE—§Phillips, J. L. & Co.
TIFTON—§Gress Mfg. Co.
*Phillips Lumber Co.
*Tift, H. H. (Yellow Pine)
Tifton Lumber & Mfg. Co. (Planing Mill)
VALDOSTA — Fender Lumber Co. (Saw &
WADLEY—Wadley Yellow Pine Co.
WRIGHT—*Garbut Lumber Co.
ZENITH—Pearson & Avera (Saw Mill)

IDAHO.

BOISE—*Payette Lumber & Mfg. Co.
*Riblenbaugh, W. H. (Lumber & Saw Mills)
*Ruby Creek Lumber Co.
*Shaw Lumber Co. (Lumber & Saw Mills)
COEUR D'ALENE—Coeur d'Alene Lumber Co.
Lewis, R. R. Lumber Co.
Reeves-Farrel Lumber Co.
Woods Lumber Co. (Saw Mill)

ILLINOIS.

ANNA—*Anna Lumber & Mfg. Co.
BELLEVILLE—Heinrich Lumber Co.
Liese Lumber Co.
Reis, J. B. Lumber Co.
Reis, M. & H.
BENTON—Ward, T. J. (Saw Mill)
CAIRO—§Atwood, F. H. Lumber Co. (Lumber & Boxes, Veneered & Sawed Egg Cases, Box Shooks, etc.)
*Chicago Mill & Lumber Co. (Lumber & Box Shooks)
*Dunbar Mill & Lumber Co.
§Hurd, O. P., Jr., & Co., Cairo, Ill.
Langan, Peter T. (Saw Mill)
Nordman, F. W. (Planing Mill)
Smith, W. E. Lumber Co. (Red & White Oak)
*Sondheimer, E. Co. (Hardwood & Quartered Sawed Oak)
*Three States Lumber Co. (Hardwood, Domestic & Export Cottonwood & Gum for Boxes)
*Weis-Peterson Box Co. (Sawed & Veneered Egg Cases, etc.)
CHARLESTON—§Andrews, B. P. & Co.
CHICAGO—§Adams, Herbert L. (Commission Merchant), 38th, S W, c Morgan
Alexander Lumber Co., 77 Jackson boul
§Allen, Edmund A. (Commission Merchant), 138 Washington
Anguera Lumber Co., Fisher bldg
Attley, J. M. & Co., 9 Jackson boul
Bader, Ross & Co., Dominick ft A
*Baker Lumber Co., 204 Dearborn
*Bay De Noquet Co., 817 Railway Exchange
§Benedict, John S. (Hardwood & Wagon Stock), 135 N Halsted
*Bigelow Bros. & Walker Co. (Yellow Pine, Cypress & Hardwood), 131 La Salle
§Bowen, Chas. P., 184 La Salle
§Brooks & Ross Lumber Co. (Pine & Hemlock), 171 La Salle
Buckner-Saunders Lumber Co., 279 Dearborn
§Burns, Jno. E., Lumber Co. (Yellow Pine), 40 W Chicago av
§Carey-Lombard Lumber Co., 205 La Salle
Carney Bros. Co., 129 Monroe
§Caryl, Alex. H. (Commission Merchant), 138 Wash'n
Chandler Lumber Co., 100 Elston av
§Chicago Car Lumber Co. (Fir, Oak & Yellow Pine Timbers, Ties, Railroad & Car Materials), Pullman bldg
§Chicago Lumber & Coal Co., 138 Wash'n
§Chicago Mill & Lumber Co., 140 W Chicago av
§Church, Geo. E. (Commission Merchant), 6106 Greenwood av
*Cicero Lumber Co., W Lake c N 50th av
§Continental Lumber Co. (Piling & Heavy Timber), Monadnock blk
*Cottage Grove Mfg. Co. (Sash, Doors, Blinds), 91 35th
*Crandall & Brown (Red Cypress), 3300 Center av
§Crane, W. B. & Co., 214 W 22d
§Cross, Clarence L. (La. Red Cypress), Monadnock blk
§Darling, Chas. (Hardwood), 22d & Center av
§Deacon, J. C. & Co. (Pine), Loomis nr W 22d
§Deeves, G. H. Lumber Co. (Hardwood), 1505 Railway Ex bldg
De Vries, S. J. & Co., 942 W 47th pl
§Dodge, P. G. Lumber Co. (Poplar, Oak & Chestnut), 2116 Lumber
§Douglass, D. R. & Co., Monadnock blk
§Empire Lumber Co. (Cherry, Oak & Chestnut), C & Southport av
*Estabrook-Skeele Lumber Co. (Oak, Ash Gum, Wagon Stock, etc.), Fisher bldg
§Fathauer, Theo. Co. (Hardwood), 218 Cherry av
*Flanner-Steger Land & Lumber Co. (Hardwoods, White Pine, Yellow Pine, etc.), Fisher bldg
§Frees, Benj. M., 234 La Salle
§Gillespie, John Lumber Co., Lumber & Seward
Gillis & Moulton (Piling & Heavy Timbers), 204 Dearborn
§Gourley, Arthur Co. (Pines), 108 La Salle
§Green, Geo. Lumber Co., W 22d & S Canal
§Gunderson, Severt T. (R. R. Ties, Cedar Posts, etc.), Chamber of Com. bldg
§Gustorf, Fred'k (Commission Merchant), 108 La Salle
Hapeman, Edgar, Lumber Co., 134 Monroe
§Hartwell, Edwin S., Lumber Co. (Pine), 279 Dearborn
§Hayden & Westcott Lumber Co. (Plain & Quartered Sawed Oaks, Poplar, Rock Elm, Yellow Pine, etc.), 9 Jackson boul
*Heath, Witbeck & Co. (Maple, Cypress & Basswood), 6 Madison
§Hendrickson, F. S. (Lath, Gum Squares, Cottonwood, Elm, etc.), Masonic Temple
§Herbert, Wm. A. & Co., 131 La Salle
*Hettler, Herman H. Lumber Co. (Maple Flooring "Monarch Brand"), 1324 Elston av
*§Hines, Edward Lumber Co. (All Kinds), Lincoln S of Rine Island av
*Holt Lumber Co., 315 Dearborn
*Honston, Geo. T. & Co. (Yellow Pine Hardwood & Cypress), Tribune bldg
Howe, James, Lumber Co., 12 State
Howes Lumber Co., 17th & Wallace
*Industrial Lumber Co. (Yellow Pine), R'y Exch bldg
§Joyce, W. T. Co., 206 La Salle
*§Keith Lumber Co. (Mahogany & Foreign Woods), W 14th & Wood
§Kelley, W. K. & Co., 9 Jackson boul
Kemler Lumber Co., Division & Halsted
§Klug, W. O. & Co. (Yellow Pine, Maple, Cuban & Mahogany & Hardwood), 1026 S Loomis
§Kirby Lumber Co., 9 Jackson boul
§Knudson & Mercer Lumber Co. (White & Yellow Pine, Lath, Shingles, etc.), 42 Madison
§Lesh & Matthews Lumber Co. (Native & Hardwood), 204 Dearborn
*Lewis, E. H. Lumber Co. (Fir Timbers, Fir, Cedar & Spruce Lumber), 173 W Lake
Lockwood & Strickland Co., Halsted & 40th
§Lombard, E. B. (Pine & Hardwoods), R'y Exch bldg
*Lord & Bushnell Co. (Yellow Pine), W 22d & Center av
Lowe, Perley & Co., Ry Exch bldg
*Marsh & Bingham Co. (L. L. Yellow Pine, also Fir & Oak), Old Colony bldg
Mears-Slayton Lumber Co., 1103 Belmont av
§Mercer & Brannum (White & Yellow Pine, Lath, Shingles, etc.), 42 Madison
§Messinger Hardwood Lumber Co. (Hardwood), 884 Elston
§Mickle, Geo. T. Lumber Co. (Yellow Pine, Timber, etc.), Chamber of Commerce bldg
*Miller Bros. (Hardwood), 2117 S 40th av
§Miller, C. P. & Co. (Wisconsin Lumber, Lath, Shingles, etc.), 9 Jackson boul
§Miller, Jas. G. (Commission Merchant), 108 La Salle
§Miller, Wm. H., 131 La Salle
*Mississippi Lumber Co. (Long Leaf, Yellow Pine), 9 Jackson boul; Mills: Quitman, Miss.
Nourse-Taylor Lumber Co., 138 Wash'n
§Oconto Co., Masonic Temple
*Paepcke-Leicht Lumber Co. (Box Shooks & Nail Works), W Chicago av & N Sangamon
*Paine Lumber Co. (Mill Work), Railway Exchange bldg
Paltzer, C. A. Lumber Co., 3809 S Centre ave
*Pate, D. S. Lumber Co. (Long Leaf Yellow Pine), Fisher bldg
§Pike & Dial (Commission Merchants), 204 Dearborn
Pilsen Lumber Co., W 22d c Laflin
§Porter, Frank (Commission Merchant), 138 Washington
Pulaski Lumber Co., 898 N Robey
*Rittenhouse & Embree Co. (Oak & Maple Flooring), 100 Easton av
§Sagola Lumber Co., 9 Jackson boul
Santee River Cypress Lumber Co., 115 Adams
§Sargent Lumber Co., 163 Randolph
Schroeder, Wm. Lumber Co., 1824 Lincoln av
*Schultz Bros. (Maple, Oak & Pine Flooring & Cedar Poles, etc.), Old Colony bldg
Schultz Bros. & Cowen (Poplar, Oak, Ash, Chestnut, etc.), Old Colony bldg
§Serrell, W. L. (Fir, Spruce, Cedar, Redwood, Sugar Pine), Monadnock bldg
Shoot, W. F. & Co., 315 Dearborn c Laflin
§Soper Lumber Co., 22d & Loomis
*South Side Lumber Co. (Maple & Oak Flooring), W 22d & Ashland av
*Spalding Lumber Co. (Lumber, Lath & Shingles), 115 Adams
§Spry, John Lumber Co., W 22d & S Ashland av
Stewart, A. T. Lumber Co., Chamber of Commerce bldg
Stone, Frank R., Ry Exch bldg
§Street, Chatfield & Co., 25 W Fullerton av
§Thompson Lumber Co., R'y Exch bldg
*§Thornton, E. A. Lumber Co. (Box Shooks), Chamber of Commerce bldg
§Tibbets-Cameron Lumber Co., 644 Greenleaf av
§Trainer Bros. Lumber Co., 900 Loomis
*Turnbull-Joice Lumber Co. (Yellow Pine), 1200, 104 Dearborn
§Underwood, J. Platt, 4843 Lake av
§Upham & Agler (Hardwoods), 125 Monroe
§Vinnedge, A. R. Lumber Co (Hardwoods), 396 N Branch
Walworth & Neville Mfg. Co. (Yellow Pine), Heyworth bldg
*Ward Lumber Co. (Hardwood), Chamber of Commerce bldg
§Wells, R. A. Lumber Co. (Hardwood), 234 La Salle

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Wheelock Lumber & Mfg. Co., 945 N Campbell av
*White Lake Lumber Co., 138 Washington
§White Lumber Co. (Hardwood), 138 Washington
White River Lumber Co., 9201 Harbor av
*Wilce, T. Co. (Maple & Hardwood Flooring, Polished & Matched Ends), 788 Throop
*Wood, Geo. E. Lumber Co. (Wis. Pine), 125 Monroe
§Wuichet, Louis (White Pine, Sugar Pine & Soft Pine), R'y Exch bldg
COBDEN—Bell, James (Est. of) (w. & r. lumber)
*Mesler, W. P. & Co. (Lumber & Fruit Boxes
CREAL SPRING—Dugger, A. A. (Lumber)
DALE—*Roundtree & Thompson (Staves)
DANVILLE—Danville Lumber Co.
Hooten, Chas. B.
Trent Bros.
DECATUR—*G. S. Lyons & Sons Lumber & Mfg. Co.
EAST ST. LOUIS—*Eade, J. C. Mfg. Co.
*East St. Louis Lumber Co., 8th & Air Line Ry.
*Goedde, B. & Co., Missouri av & 10th
Reis, H. G. Lumber Co.
ELGIN—Rinehimer Bros. Mfg. Co.
FULTON—*Joyce Lumber Co. (Lumber, Lath, Shingles & Mouldings)
GALESBURG—§Simpson, Jas. O. & Co.
HOOPESTON—Moore & McFerren (Saw Mill, Lumber & Cottonwood Box Shooks)
KELL—Hays, O. G. (Saw Mill)
KENNEY—*Andrews, B. P. & Co.
LA SALLE—Hunter, Stevens & Co.
McLEANSBORO—*Wright, T. B. & Sons
MARTINSVILLE—Sallee, Thos. M. (Saw Mill)
MATTOON—*Andrews Bros.
*Gabbert Lumber Co. (Lumber & Planing Mill)
METROPOLIS—*Harris & Cole Bros. (Poplar & Oak Lumber, Wagon Box Material, Turned Work & House Trimmings, Export & Turned Work)
MOLINE—*Dimock, Gould & Co.
MOUND CITY—*Meyer, C. F. & Co. (Staves and Headings)
*Williamson-Kuny Mill & Lumber Co. (Southern Hardwoods, Long Oak Timber, Lath)
MOUNT VERNON—*Louth, J. W. (Hardwood)
NEBO—Minier Bros.
OAK PARK—Barr & Collins
PEORIA—§Benedict, C. D. & Co. (Yellow Pine)
§Hinsie, Miss Jane M.
Knetzger, Chas. Lumber Co.
§Lord, Lee H. & Co.
Miller, Joseph & Sons (Lumber and Contractors)
Proctor, J. C. Lumber Co.
PERU—Mase, Walter H. & Co. (Planing Mill)
QUINCY—*Menke-Grimm Planing Mill Co.
Moller & Vanden Boom Lumber Co.
ROCKFORD—§Parsons Lumber Co.
§Smith, Du Plain & Crumb Co.
§Stone, F. P.
ROCK ISLAND—*Rock Island Lumber & Mfg. Co. (Lumber, Lath & Shingles)
*Weyerhaeuser & Denkmann Co. (White Pine)
SPRINGFIELD—Elelson, A.
Schuck, J. H. & Son
VANDALIA—Sonneman, C. G.
WEST SALEM—Fishel, A. (Saw Mill)
WINCHESTER—Hunter, Allen & Co.

INDIANA.

AKRON—Akron Lumber Co.
ANDERSON—Atherton, M. & Sons (Planing Mill)
Springer, Geo. E. (Planing Mill)
Winters, Mercer & Brannum Lumber Co.
ATTICA—Attica Lumber Co.
Martin, H. C. & Co.
AVILLA—Yeiser Bros. (Saw & Planing Mill)
BATESVILLE—Hillenbraud (The) Co.
BEDFORD—Lane-Fry Lumber Co.
BERNE—Berne Lumber Co. (Saw Mill)
BIRDS EYE—Southern Indiana Mfg. Co. (Spokes & Bldg Material)
BLOOMINGTON—Fulwider, W. A. (Lumber)
*Waldron, Hill & Buskirk (Hubs & Spokes)
BLUFFTON—Cline, A. B.
Eaton, Jas. B. (Lumber & Piling)
BOONVILLE—*White, C. P. Lumber Co. (Hardwood, Quartered Oak)
White, R. B. Lumber Co.
BRAZIL—Brazil Lumber Co.
Keesey, N. T. Lumber Co. (Saw Mill)
Wilder, C. E. & Co. (Planing Mill)
BROOKVILLE—Ferris, John & Son (Planing Mill)
BROWNSTOWN—Cunningham, J. W. (Saw Mill)
CONNERSVILLE—Connersville Lumber Co.
CONVERSE—*Murphy & Kenny (Lumber & Planing Mill)
CORYDON—Hickman, Levi (Saw Mill)
COVINGTON—Williams, Geo. W. (Saw Mill)
CRAWFORDSVILLE—Big Four Lumber Co. (Lumber & Veneering)
Burkholder, Saml. Lumber Co. (Hardwood)
Hoosier Stave & Lumber Co.
CROWN POINT—Root, D. A.
CUMBERLAND—Duncan & Barrett (Saw Mill)
DARLINGTON—*Lynch, W. B. (Lumber & Saw Mill)
DUNKIRK—Dunkirk Lumber Co.
DUPONT—Graston, G. W. (Saw Mill)
§Guthrie, W. A.
EAST CHICAGO—*Lesh, Prouty & Abbott Co. (Walnut exclusively)
EDINBURG—*Maley, Henry (The) Co. (Hardwood)
ELKHART—*Elk Valley Lumber Co.
Martin & Amidon
Monger, C. L. (W. & Com. Lumber)
§Monger, R. W.
ELWOOD—Hedrick, Homer (Saw Mill)
Heffner's, Louis Sons (Saw & Planing Mill)
Winters Lumber Co.
EVANSVILLE—*Evansville Planing Mill Co.
*Helfrich Lumber & Mfg. Co. (Saw Mill)
§McFerson & Foster (Cottonwood, Poplar Box Shooks)
*Maley, Hy. Lumber Co. (Quartered White Oak, Plain Red & White Oak, Poplar, Hickory, Ash & Walnut)
*Maley & Wertz (Hardwoods, Quartered Oak & Saw Mill)
Reitz's, Clemens Sons Co. (Saw Mill)
Reitz, John A. & Sons. (Saw Mill)
Schultze, Waltman & Co. (Saw & Dimension Mill)
Thompson, Thayer & McGowan (Saw Mill)
Von Behren Mfg. Co. (Spokes & Bentwood)
§Wolfin-Luhring Lumber Co. (Yellow Pine & Southern Hardwoods)
Young & Cutsinger (Saw Mill)
FERDINAND—*Beckman, J. H. & Sauer (Saw & Planing Mill)
FORT WAYNE—*Diether Lumber Co. (Hardwood)
Fort Wayne Lumber Co.
Franke, H. (Planing Mill)
*Gilmartin, Edw. (Hardwood & Planing Mill)
Hilker Bros. (Saw Mill)
*Hoffman Bros. Co. (Hardwood & Veneers)
Klett, Jacob & Sons (Planing Mill)
*Moesman, Wm. E.
*Perrine-Armstrong Co. (Long Timber, etc.)
FOWLER—Evans & Callaway
FRANKFORT—Benefield & Son (Saw Mill)
GOSHEN—*Irwin, Jno. W. (Est. of)
*Sanders & Egbert Co. (Hardwood)
*Young-Greene Lumber Co. (Hardwood)
GREENCASTLE—*Barnaby, C. H. (Hardwoods & Oak Veneers)
GWYNNEVILLE—*Wilcoxen, W. W. (Hardwood)
HAGERSTOWN—Werking & Keagy (Saw Mill)
HARTFORD CITY—*Willman Lumber Co. (Saw Mill & Lumber)
*Winklebleck & Walters (Saw Mill & Hardwood Lumber)
HUNTINGTON—Kenower, John & Sons (Hardwood & Planing Mill)
INDIANAPOLIS—Advance Veneer & Lumber Co., Mass. av & Adams
*Bachman, F. M. Co., Madison av c Lincoln
§Buddenbaum Lumber Co., New York c Pine
Capitol Lumber Co., 849 Mass. av
§Carter, Lee & Co., 1621 W Washington
*Christian Lumber Co. (Hardwood), 701 E. Wash'n
§Dickson, Jas. C. (Oak, Ash & Poplar), 936 E. Vermont
§Dynes Lumber Co., E 30th & Monon Ry
Eaglesfield, Wm. Co., 19th & L E & W R R
§Eichholtz, Geo. W. & Son, Lemcke bldg
Eldridge, E. H. Lumber Co., 312 S New Jersey
§Foster Lumber Co. (Hardwood, Veneered Doors, Mantels, Stairways, etc.), 802 N Senate av
Greer-Haughton Lumber Co., 822 Indiana
*Indianapolis Manufacturers' & Carpenters' Union (Pine, Poplar & Ash), 208 S New Jersey
§Long-Knight Lumber Co. (Plain & Quartered Oak, White Ash. etc.), 1025 Lewis
*Mainland Mfg. Co. (Hardwood), 2406 Yandes
Mass-Neimeyer Lumber Co., E 22d & Monon R. R.
§Michigan Lumber Co. (Long Joist & Heavy Timber), 929 E St Clair
§Pinnell, J. W., State Life bldg
Pratt, G. C., Law bldg
§Talge Mahogany Co., 1101 E 18th
*Walnut Lumber Co. (Hardwood), 1821 Lewis
Wright-Bachman Lumber Co., Madison av & Lincoln
KOKOMO—*Armstrong-Landon Co. (Hardwood
Indiana Lumber Co. & Pine)
LAFAYETTE—*Lafayette Lumber & Mfg. Co.
LOGANSPORT—Fernald, W. L. (Saw Mills)
Stevens-Bligh Lumber Co.
MARION—§Barley & Spencer Lumber Co.
§Marion Lumber Co.
MICHIGAN CITY—§Colburn, A. R. Co.
MUNCIE—Kirby-Wood Lumber Co.
Muncie Lumber Co.
NEW ALBANY—*Roberts & Conner Co. (Veneer & Lumber)
NEW MARKET—*Childers, W. R. (Hardwood)
NORTH VERNON—*Cone, J. D. (Spokes, etc.)
*Litchfield Bros. (Hardwood)
*†North Vernon Lumber Co. (Hardwood)
PLEASANT LAKE—*Goodwin Lumber Co.
PLYMOUTH—*Morris, C. L. (Saw & Planing Mills)
PORTLAND—*Adams, D. L. Co. (Staves & Headings)
North, Frazier & Co. (Saw Mill)
PRINCETON—*Nickey, A. B. & Sons (Band Sawed Hardwood)
RICHMOND—*Johnson, B. & Son (Lumber, Piles & R. R. Ties)
§Kramer, C. & W. (Hardwood)
ROCKVILLE—*Ferguson & Co. (Planing Mill)
RUSHVILLE—§Case, J. D. (Hardwood)
Pinnell-Tompkins Lumber Co.
SALEM—§McCowen, H. A. & Co.
SEYMOUR—*D'Heur & Swain Lumber Co. (Hardwood)
SHELBYVILLE—*Freehtling & Morner (Saw Mill & Bending Works)
Stroup, S. P. Lumber Co.
SOUTH BEND—*Indiana Lumber & Mfg. Co.
Miller & Donahue Lumber Co.
Page, R. G. Lumber Co.
*Perley Hardwood Lumber Co. (Hardwood & Bent Stock)
TERRE HAUTE—*Hooton, R. A. & Co.
VINCENNES—*Maley, Wertz & Snepp (Hardwoods)
WASHINGTON — *Murdock Lumber Co. (Hardwood Lumber & Veneers, Fancy Figured Quartered Oak a Specialty)

INDIAN TERRITORY.

ARDMORE—Chickasaw Lumber Co.
CHICKASHA—Stephenson-Browne Lumber Co.
MUSKOGEE—Muskogee Lumber Co.

IOWA.

BELLEVUE—*Bittner, Louis (Hardwood)
*Dorchester & Hughey (White Pine)
BOONE—Fehleisen-Rosacker Lumber Co.
BURLINGTON—*Burlington Lumber Co. (White Pine)
*Gilbert, Hedge Lumber Co.
*Nairne, Gillies Co. (Sash & Door Factory
Rand Lumber Co. & Planing Mill)
CEDAR FALLS—*Harris & Cole Bros. (Poplar & Oak Lumber, Wagon Box Material, Turned Wood & House Trimmings) Export Turned Work)
CEDAR RAPIDS—Cedar Rapids Lumber Co.
Fay Bros. & Co.
Limback & Jeffrey
Williams & Hunting Co. (Planing Mill)
CLINTON—§Curtis Bros. & Co. (Mill Work)
Ingwerson, Borbeck & Co.
Pickets, Flooring, Siding, Ceilings, etc.)
Peterson, Bell & Co. (Box Shooks & Crates.
CORYDON—Corydon Lumber Co. etc.)
COUNCIL BLUFFS—§Bluff City Lumber & Coal Co.
Hafer, C. Lumber Co.
§Hoagland, Geo A.
§Quinn, H. A. Lumber Co.
DAVENPORT—Hayward, W. C.
Lindsay Land & Lumber Co.
Loguno (The) Co.
*McClelland, T. W. Co.
*Mueller Lumber Co. (Saw Mill)
*Roberts, U. N. Co.
Smith, J. J. Lumber Co.
*Weyerhaeuser & Denkmann
Woodruff-Kroy Co. (Slack Cooperage Stock, Butter Tub Stock, etc.)
DES MOINES—§Chicago Lumber & Coal Co., Beaver Lumber Co. 1100 Walnut
*Gilcrest, J. K. & W. H. Co., 4th & Vine
*Green Bay Lumber Co., Equitable bldg
Jewett Lumber Co., E 7th & Walnut
*Longshore, G. L. (Saw Mill), 8th nr Elm
§Oregon Lumber Co., 516 Clapp blk
*Qneal, J. H. Co., 201 E Grand av
§Wheeler Lumber & Bridge Supply Co., 206 S 7th
*Wisconsin Lumber Co., Youngerman blk
DUBUQUE—*Carr, Ryder & Adams Co. (Sash, Doors, Blinds)
Day, W. H., Jr.
*Farley & Loetscher Mfg. Co. (Sash, Doors, Blinds)
*Metz Mfg. Co. (Sash, Doors, Blinds, etc.)
*Standard Lumber Co.
FORT DODGE—Chapin, L. E.
Conway, Owen & Sons
Mason & O'Connell
FORT MADISON—*Atlee, S. & J. C. (White Pine)

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HAMBURG—Hydinger & James
HARLAN—Dow & Sandham
HAWARDEN—Schoeneman Bros. Co.
INDIANOLA—Harlan, J. M. Lumber Co.
KEOKUK—*Carter, S. O. & S. Co.
Schmidt, Henry & Sons Co.
*Taber Lumber Co.
LEHIGH—*Harrington, S. W.
MANCHESTER — *Wolcott Bros. (Lumber & Shingles)
MARSHALLTOWN—Buchwald, Chas. A. Lumber Co.
Kreutzer & Wasem (Planing Mill)
MISSOURI VALLEY—Deur, C. H.
MUSCATINE—*Muscatine Lumber & Box Co.
*Musser Lumber Co. (White Pine)
*South Muscatine Lumber Co. (Box Shooks)
OSKALOOSA—§Hawkeye Lumber Co
Kalbach Lumber Co.
Porter, C. M. Lumber Co.
OTTUMWA—Fletcher, H.
McGavic, S. L. Lumber Co.
REINBECK—Porter Lumber Co.
SIOUX CITY—Blenkiron Bros., Inc.
Ford & Hollandsworth Co.
*Fullerton Lumber Co.
Spalding, J. D.
WATERLOO—§Chapman, Chas. W. Lumber Co.
*Naumann Co.
Waterloo Lumber Co.
WOODLAND—*Jennings, W. H. & Bro.

KANSAS.

ATCHISON—Brockett B. L.
*Carlisle, Pennell, Lumber Co.
Ubrich, O. W. Planing Mill Co.
CHANUTE—Chanute Lumber Co.
CLAY CENTRE—Kreeck, L.
COFFEYVILLE—Lapsley Lumber Co.
Smith & Baty Lumber Co.
EMPORIA—*Kansas Wholesale Lumber Co.
Sprague, E. F. (Planing Mill)
HUTCHINSON—§Hutchinson Lumber & Planing
IOLA—Northrup Lumber Co. Mill Co.
KANSAS CITY—Ellis, John W. (Planing Mill)
LAWRENCE—Lewis, Luther N.
LEAVENWORTH—Garrett, S. C., Lumber Co.
Lambert Lumber Co.
NEWTON—Swartz, S. M., Lumber Co.
OLATHE—Hodges Bros.
PITTSBURG—*Pittsburg Planing Co.
Sandford-Robinson Lumber Co.
ROSSVILLE—*Thomas J. & Co.
TOPEKA—*Thomas-Huycke-Martin Co. (Saw
§Thomas, J. Lumber Co. Mill)

KENTUCKY.

ANGLIN—Eastern Kentucky Lumber Co.
ARLINGTON—Arlington Heading & Lumber Co.
Stanley Lumber Co.
ASHLAND—*Ashland Lumber Co.
§Beckette Co. (Poplar & Oak)
§Dawkins, W. H. Lumber Co. (Wholesale Poplar & Oak)
*Herrmann H. Lumber Co.
*Standard Planing Mill & Bldg. Co.
*Strack, E. W. Lumber Co. (Oak, Poplar & Hickory Lumber & Mfrs. of Chair Stocks)
*Vansant, Kitchen & Co.
BARBOURSVILLE—*Rathfon, Scent & Co.
BARDWELL—*Bardwell Heading Co.
Dunbar Mill & Lumber Co. (Piling, Bridge Timbers, Switch Ties, Car Stock, etc.)
BENTON—Treas, R. G. Lumber Co.
BIG CREEK—Moffitt-Bowman Lumber Co.
BONNIEVILLE—Stamp, J. M. (Saw Mill)
BOONSBORO—Stevens, H. L. (Saw Mill)
BOWLING GREEN—Kister, F. L., Jr. (Saw & Planing Mill)
*Roemer Bros. (Planing Mill)
Russell, J. N. & K. M.
BRADFORDSVILLE—Terhune's B. Sons (Saw Mill)
BURKESVILLE—Ritchey, J. H. (Saw Mill)
*Young Bros. (Lumber & Staves)
BURNSIDE—*Kentucky Lumber Co. (Lumber & (Saw Mill)
CADIZ—*Woodruff Planing Mill Co.
CAMPBELLSVILLE—*Campbellsville Lumber Co. (Hardwood)
CANEYVILLE—Bond, W. T. (Cross Ties & Lumber)
CARROLLTON—*Adkinson Bros.
CATLETTSBURG—*Nigh, S. H. & Bro.
CENTRAL CITY—*Central City Lumber & Central City Planing Mill Co. Mfg. Co.
Fortney, T. Q. (Planing Mill)
CLAY CITY—*Clay City Spoke Co.
*Swann-Day Lumber Co. (Hardwood)
COVINGTON—Covington Lumber Co. (Saw Mill, etc.)
*Hellmann Lumber & Mfg. Co. (Planing Mill, etc.)
DANVILLE—*Danville Lumber Co.
*Taylor, Mitchell (Staves)
ELIZABETHTOWN—Bond Bros. (R. R. Crossties)
FORD—*Burt & Brabb Lumber Co. (Hardwood)
*Ford Lumber & Mfg. Co. (Hardwood)
FRANKFORT—Belle Point Lumber Co.
Capital Lumber & Mfg. Co. (Planing Mill)
*Congleton, T. J. & Bro. (Saw Mill)
*Kenney, T. E. (Saw Mill)
*Kentucky River Poplar Co.
FROZEN CREEK—Day, Floyd (Staves & Ties)
GLASGOW—Davidson, L. T.
*New Glasgow Planing Mill Co. (Hardwood Lumber & Bevel Siding, Oak & Beech Flooring)
*Redman, Wm. (Staves)
Smith, J. N.
Spencer, Young & Co.
HENDERSON—*Clore, F. L. & Son (Saw Mill)
*Clore's, Joseph Son (Lumber, Saw & Planing Mills)
Henderson Lumber Co.
*Rankin Lumber Co. (Saw Mill)
HENSHAW—Runyan, I. V. (Lumber, Shingles & Logs)
HIGHBRIDGE—Hughes, J. D. Lumber Co. (Saw & Planing Mill)
IRVINE—Snowden, A. D. & W. M. (Saw Mills)
JACKSON—*Day Bros. Co. (Hardwood)
KEAVY—Storm Bros. (Lumber, Staves & Ties)
Storm, John & Co. (Saw Mill)
KINGS CREEK—Field, A. J. & Son (Saw Mill)
KNOBLICK—Allen, O. C. (Saw Mill)
LEBANON—*Lebanon Lumber Co.
LEXINGTON—Curran, Wm. & Son
Hendricks Bros. & Co.
Lexington Lumber & Mfg. Co. (Saw Mill)
*Spotswood, E. R. & Son (Hardwood)
LIMABURG—Rouse, W. R. (Saw Mill)
LIVERMORE—Acker Lumber Co. (Saw & Planing Mill)
Hackett, E. B. & Son (Saw & Planing Mill)
*Quigg Mfg. Co. (Staves)
LIVINGSTON—Livingston Lumber Co.
LONDON—*London Mfg. Co. (Lumber)
§Murphy, D. B. & Co.
LOUISA — *Northrup, Jay H. (Ties, Lumber, Staves)
LOUISVILLE—*Bell & Coggeshall Co. (Planing Mill)
Blue Grass Lumber Co. (Hardwood), Paul Jones bldg
*§Brown, H. Van S. (Hardwood), 6th, bet.
§Casey, Jno. & Co., 231 3d Hill & A
*Central Planing Mill & Lumber Co.
§Chicago Lumber & Lumber Co., Columbia
§Comstock, L. H. & Bro. bldg
§Cunningham, Robert M.
*§Davis, E. L. Lumber Co. (Hardwood)
§Fullenlove H. S., Lexington cor. 14th
Gage, W. M., 735 W Green
§Gamble Bros. (Inc.) (Yellow Pine, Yellow Poplar, Hardwood), 445 W Main
§Gernert Bros. Lumber Co. (Saw Mill)
§Graham, S. P., 810 Magazine
*Hubbard Bros. (Staves & Headings for Whiskey, Wine & Beer Barrels)
*Hughes, E. L. Co. (Base & Casing Columns, Sashes, Doors, etc.)
*Hughes, W. J. & Sons Co. (Cedar Logs, Posts, etc.)
Kirwan Bros. (Saw Mill), Fulton & Adams
*Koehler, Hy. & Co. (Planing Mill, Hardwood, Yellow Pine, etc.), 12th & B'way
*Lortz & Frey Planing Mill Co. (Inc), 420 E Breckenridge
Louisville Point Lumber Co. (Saw Mill), 1000 Fulton
Mehler & Eckstenkemper Lumber Co. (Cedar), 1042 E Main
*Mengel, C. C. & Bro. Co. (Saw Mill, Mahogany, Hardwood & Box Shooks; also Exporters), G c 5th
§Moore, Hughes, Keller bldg
§Moody, G. E. & Co. (Ky. Planing Mill)
*Norman Lumber Co. (Saw Mill, Hardwood, Ash, Oak, Poplar, Walnut, etc.)
*Ohio River Saw Mill Co. (Saw Mill)
Parsons-Willis Lumber Co., Keller Bldg.
§Russell, Frank B. (Beer Staves)
Southern Lumber Co., Keller Bldg.
§Stotz Lumber Co. (Inc.) (Cypress, Oak, Poplar, White Pine, etc.)
MARCELLUS—Pointdexter, C. K. (Saw Mill)
MARYDELL—Gregory, N. M. (Saw Mill)
MONICA—Hieronymus, G. D. & Bro. (Saw Mill)
MONTICELLO — *Kentucky Hardwood Lumber Co. (Carriage & Wagon Material)
MOREHEAD—*Bradley, S. M. (Mfr. & W. Lumber, Staves, etc.)
MURRAY—*Hay, Jas. P., Lumber Co.
NEW HOPE—Hall, B. S. (Saw Mill)
NEWPORT—Voss, Frank (Lumber & Planing Mill)
Weingartner's, Jos. Sons (Lumber & Planing Mill)
OWENSBORO—Owensboro Planing Mill Co. (Hardwood)
PADUCAH—*Ferguson & Palmer Co. (Hardwood, Red & White Oak, Poplar, etc.)
Folks, Acree, Lumber Co.
*Langstaff-Orm Mfg. Co. (Saw & Planing
*McKinney Veneer & Package Co. Mill)
*Paducah Veneer & Lumber Co. (Saw & Planing Mill)
Sherrill, King, Mill & Lumber Co. (Saw
Sherrill, Russell, Lumber Co. Mill)
*§Smith, A. B. Lumber Co.
PINEVILLE—*Asher, A. J. (Saw Mill)
§Gibson, J. J. & Son
King, W. B. (Staves)
King & Brooking (Staves, etc.)
RINALDO—Mitchell, W. J. (Saw Mill)
SALT LICK—Fell, W. J. (S. Lumber, Staves)
Salt Lick Lumber Co. (Saw & Planing Mill)
SEBREE—Brown & Luck (Saw Mill)
SOMERSET—*Somerset Lumber & Mfg. Co.
TORRENT—*Day, J. Taylor (Saw Mill)
VALLEY VIEW—*Southern Lumber Co.
VINEGROVE—Vinegrove Lumber Co.
WALTON—*Mayhugh, J. D. Mfg. Co. (Lumber)
WARSAW—*McDanell's, J. H. Sons (Poplar, Oak & Interior Finish)
WASIOTO—*Asher, T. J. & Sons (Hardwood)
WINCHESTER—Daniel, J. M. (Saw Mill)
*Reliance Mfg. Co. (W. Lumber)
Scobee, R. P. & Sons
Winchester Lumber & Mfg. Co.

LOUISIANA.

ABBEVILLE—Stebbins E. M. & Co. (Lumber)
ALBERTA — *Bienville Lumber Co. (Yellow Pine)
ALDEN BRIDGE—*Strayhan, J. F. (Saw
*Whited & Wheeless (Yellow Pine) Mill)
ALEXANDRIA—Enterprise Lumber Co.
Hayslip & Dean
International Lumber Co.
Union Lumber Co. (Brokers)
ALLEMANDS—Des Allemands Lumber Co., Ltd.
ALLENTOWN—*Allen Bros. & Wadley, Ltd. (Yellow Pine)
AMITE—*Hayden, J. Y. (Saw Mill)
ANGIE—Saxon, L. J. & Sons (Saw Mill)
ANSLEY—*Davis Bros. Lumber Co. (Ltd.), (Yellow Pine)
ANTRIM—*Antrim Lumber Co. (Yellow Pine Lumber)
ARCADIA—*Arcadia Lumber Co. (Ltd.)
ARNAUDVILLE—Greig, George & Co.
ATHENS—Pace & Gandy (Saw Mill & Lumber)
BALDWIN—Baldwin Lumber Co., Ltd.
BALL—*Ball, J. F. & Bro. Lumber Co. (Shingle & Saw Mill)
BARHAM—*Pickering, W. R. Lumber Co. (Yellow Pine)
BATON ROUGE—*Hopper, Samuel & Son (Saw Mill, Staves, etc.)
BAYOU CHICOT—Johnson, Louis (Saw Mill)
BAYOU SARA—Bayou Sara Lumber Co., Ltd.
BERNICE—Bernice Lumber Co., Ltd.
BLANCHARD—Dunn, L. M. (Saw Mill)
BOLEYN—*Caldwell-Norton Lumber Co. (Ltd.)
BOLINGER—*Bolinger, S. H. & Co. (Ltd.), (Yellow Pine)
BONAMI—*King-Ryder Lumber Co. (Yellow
BONITA—*Whittet-Culton Cypress Co. Pine)
BOUDREAUX—*Caillou Mfg. Co.
BOWIE—*Bowie Lumber Co. (Lumber & Shingle Mill)
BREAUX BRIDGE—Begnaud, Joseph W. (Lumber
Breaux Bridge Lumber Co., Ltd.
BRODNAX—Overbey Saw & Planing Mill
BUNKIE—Haas, W. D. & Co. (Lumber & Saw
BROUSSARD—Billeaud Lumber Co. Mill)
BURTON—*Burton-Swartz Cypress Co.
CANTON—*Powell, D. C.
CHACAHOULA—*Goodland Cypress Co.
CLARKS—Louisiana Central Lumber Co.
CLAYTON—*Rhoades, E. C. Lumber Co. (Lumber & Saw Mills)
COLDWATER—Louisiana Logging Co., Ltd.
COLFAX—*Big Pine Lumber Co., Ltd.
Istt Lumber Co.
COTTON VALLEY—Porter-Wadley Lumber Co.
*Valley Stave Co.
COUSHATTA—Corley, W. C. (Saw Mill)
CROWLEY—Mermentau Shingle Co.
DE RIDDER—*Hudson River Lumber Co. (Yellow Pine)
DONNER—*Dilbert, Stark & Brown Cypress Co. (Cypress, Lumber, Lath & Shingles, Mouldings, Finish & Pickets, Hewn & Sawn Ties & R. R. Timbers, etc.)
DOSSMAN—Helmer & Dossman Co. (Saw
EOLA—*Hoshall & McDonald Bros. Mill)
FISHER—*Louisiana Long Leaf Lumber Co. (Yellow Pine)
FLORIEN—*Florien Lumber Co.
Williams Bros. Lumber Co.
FOREST HILL—Hurricane Creek Lumber Co.
Randolph & Drouet (Saw Mill)
FRANKLIN—*Kyle Lumber Co. (Ltd.)
GARDEN CITY—Hansen, Albert Lumber Co. (Saw Mill)
GARYVILLE—Lyon Cypress Lumber Co.
GENESEE—Genesee Lumber Co.
GIBSON—*Gibson Cypress Lumber Co. (Lumber & Saw Mills)

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HAMMOND—Arnold Land & Lumber Co. (Saw Hammond Lumber Co., Ltd. Mill)
HARVEY—*Harvey Mfg. & Improvement Co. (Ltd.)
*Louisiana Cypress Lumber Co. (Red Cypress, Lumber & Shingles)
HAWTHORN—Hawthorn Lumber Co.
HAYES—Hayes Cypress & Lumber Co.
HAYNESVILLE—Hickman, S. J.
HEAD OF ISLAND—*Opdenweyer Cypress Lumber Co. (Ltd.)
HOUMA—*St. Louis Cypress Co. (Ltd.) (Lumber & Shingles)
INDEPENDENCE—Day, L. D. & Son (Saw Mill) Independence Veneer & Box Mfg. Co.
JEANERETTE—*Jeanerette Lumber & Shingle Co. (Cypress)
*Planters' Lumber Co. (Ltd.), (Cypress. Lumber, etc.)
KENTWOOD — *Brooks-Scanlon Lumber & Saw Mill Co.)
*Kent, Amos Lumber & Brick Co. (Yellow Pine)
LAFAYETTE—Vordenbaumen Lumber Co., (Ltd.)
LAKE ARTHUR—*Phoenix Lumber Co. (Cypress, Lumber & Shingles) (Ltd.)
LAKE CHARLES—*Bel, J. A. Lumber Co. Yellow Pine)
*Hodge Fence & Lumber Co. (Saw Mill, Lumber, Fencing & Yellow Pine)
*Powell Lumber Co. (Lumber, Yellow Pine
Stout, J. C. (Saw Mill) & Saw Mill)
White, Son & Castle (Saw Mill)
Wilcox, C. B. (Exporter)
LAKE PROVIDENCE—§Carroll Lumber Co. (Ltd.)
LEES CREEK—Williams Bros. (Ltd.) (Saw Mill)
LEESVILLE—*Nona Mills Co. (Yellow Pine)
*Powell Bros. & Sanders Co., Ltd.
*Wingate, Thos. C. (Saw & Planing Mill)
LOGANSPORT—*Logansport Lumber Co.
LONG LEAF—*Crowell & Spencer Lumber Co. (Yellow Pine)
LORING—*Bowman, Hicks Lumber Co. (Yellow Pine)
LUDINGTON — *Ludington-Wells-Van Schaick Co.
LUDIVINE—*Fair Cypress Co.
LUTCHER—*Lutcher & Moore Cypress Lumber Co. (Red Cypress)
MADISONVILLE—Dendinger, Theo. (Saw Mill)
MARINGOUIN—*Wilson & Cochran
MARKSVILLE—*Birch Bros. Co. (Ltd.) (Saw
MINDEN—*Minden Lumber Co. Mill)
MONROE—*Herring A. M. (Saw Mill)
*Monroe Shingle Co. (Shingle Mill)
*North Louisiana Shingle Co. (Shingle Mill)
MONTROSE—*Star & Crescent Lumber Co. (Yellow Pine)
MORGAN CITY—*Brownell-Drews Lumber Co. (Cypress Lumber & Shingles)
*Cotten Cros. Cypress Co. (Lumber & Shingles)
MYRTISTOWN—*Black Bayou Lumber Co. (Yellow Pine)
NAPOLEONVILLE—*Napoleon Cypress Co. (Lumber & Shingles)
NATALBANY—*Natalbany Lumber Co. (Ltd.), (Yellow Pine)
NEW IBERIA—*Iberia Cypress Co. (Cypress Lumber & Saw Mill)
*Renoudet, P. L. Lumber Co. (Ltd.) (Saw Mill)
NEW ORLEANS—§Berwick Lumber Co., 2333 Clio
*Carre, W. W. Co. (Yellow Pine Exporters), 831 Carondelet
§Central Mfg. & Lumber Co. (Ltd.), S Salcedo & Perdido
*Fischer Lumber & Mfg. Co. (Cypress), 7832 St. Charles' av
§Forcheimer, Hugo (Exporter, Logs, etc.), Hibernia Bank bldg
Gomila-Demack Lumber Co. (Hardwood Exporters), Hibernia Building
§Knoop, Otto, 1217 Julia
*Lambou & Noel Lbr. & Mfg. Co., 4600 N Peters
Lewis, H. F. & Co., Ltd. (Cypress Lumber & Shingles), 816 Baronne
§Lhote Lbr Co., Carondelet Walk c N Dupre
*Moore, Lucas F. Stave Co. (White Oak Cooperage Stock & Hardwood Lumber, etc.)
§Opdenweyer Cypress Co. (Ltd.), S. Lopez. cor Perdido
*Otis-Alcus Lumber Co. (Ltd.) (Cottonwood & Hardwoods)
*Otis Mfg. Co. (Mahogany), Peters av & River
§Pulteveut & Favre Lbr. Co., L. L. & G. bldg
§Rees-Scott Co. (Ltd.) (Exporters, Staves, & Lumber), Denegre bldg
§Roberts & Co., 1419 Gravier
Robinson, C. W. Lumber Co. (Yellow Pine, Satin Walnut, etc.), 806 Gravier
*Raddock Orleans Cypress Co. (Cypress Lumber), Carrollton av & New Basin
*Salmen Brick & Lumber Co. (Yellow Pine Cypress Lumber), 716 Common
*Schut & Klehn (Hardwood Exporters), Hennen bldg
Sutherland, L. J. & Co. (Exporters Pitch Pine, Timber, Staves), L. L. & G. Bldg
Thomas, G. H. A. Co., Poydras & S Broad
Union Lumber Co., Hibernia bldg
NEW ROADS—*Mix, Thos. (Lumber)
NOBLE—*Noble Lumber Co. (Yellow Pine)
OAKDALE—*Industrial Lumber Co. (Yellow Pine)
PATTERSON—*Riggs Cypress Co. (Ltd.) (Lumber & Planing Mill)
William F. B. Cypress Co.
PICKERING—*Pickering, W. R. Lumber Co. (Yellow Pine). (See Kansas City, Mo.)
PLAQUEMINE—*Plaquemine Stave & Heading Co.
*Schwing Lumber & Shingle Co. (Cypress)
*Wilbert, A. Sons Lumber & Shingle Co. (Red Cypress Lumber & Shingles)
PLATTENVILLE—*Baker-Wakefield Cypress Co. (Ltd.), (Saw Mill & Lumber)
PLEASANT HILL—*Pleasant Hill Lumber Co., Ltd.
RAMOS—*Ramos Lumber & Mfg. Co. (Red Cypress Lumber, Lath & Shingles)
RAMSAY—*Greenlaw Lbr. Co. (Yellow Pine)
RANDOLPH—Summit Lumber Co. (Yellow Pine)
RAPIDES—Morrow, C. A. & Son (Saw Mill)
ROW LANDING—*Hall-Coody Lumber Co. (Lumber & Staves)
RUSTON—*Adams, J. A. & Sons Co., Ltd. (Staves)
*Ruston Mfg. Co. (Planing Mill)
*Short Leaf Lumber Co., Ltd.
*Vienna Lumber Co.
ST. JAMES—*Rives, J. C. Cypress Co., Ltd.
ST. MARTINSVILLE—*Burdin, J. J. & Bro. (Lumber & Saw Mill)
SELMA—*Grant Land & Lumber Co. (Ltd.) (Yellow Pine)
SHREVEPORT—*Allen Mfg. Co. (Yellow Pine Lumber, Cypress Pickets, Mouldings, Red Cypress, Cisterns, etc.)
*Austro-American Stave & Lumber Mfg. Co. (Lumber & Staves, Mfrs. & Exporters)
*Black Lake Lumber Co.
*De Soto Land & Lumber Co.
§McCullough-Weaver Lumber Co. (Yellow Pine)
*Pelican Shingle Co.
*Perkins Lumber & Timber Co.
*Richardson, D. C.
*Shreveport Lumber & Mfg. Co. (Hardwood)
Taylor Lumber Co. (Lumber & Boxes)
*Victoria Lumber Co. (Planing Mill, etc.)
*Werner, Louis Stave Co.
SPRINGFIELD—*Brakenridge Lumber Co., Ltd. (Saw Mill)
SPRINGHILL—*Pine Woods Lumber Co. (Lumber, Saw & Planing Mill)
STRADER—*Owl Bayou Cypress Co. (Lumber & Shingles)
SWARTZ—*Swarts, E. G. Co. Ltd. (Yellow Pine)
TANGIPOHOA—*Day Lumber Co. (Saw Mill)
TANNEHILL—*Hall & Legan Lumber Co., Ltd.
THAXTON—*Henderson-Bennett Lumber Co.
TREMONT — *Tremont Lumber Co. (Yellow Pine)
URANIA — Urania Lumber Co. (Ltd.) (Long Leaf Yellow Pine, R. R. Construction & Car Materials)
VINTON—Industrial Lumber Co. (Yellow Pine)
VIVIAN—*Thomason, W. J.
WASHINGTON—Gibbons, T. C. (Saw Mill)
*Thistlewaite Lumber Co. (Saw Mill)
WESTLAKE—*Krause-Managan Lumber Co.
*Locke, Moore & Co.
WEST MONROE—*Haynes Lumber Co. (Saw Mill)
*West Monroe Mfg. Co. (Sashes, Doors, etc.)
WHITECASTLE—Adams, G. G. (Saw Mill)
*Whitecastle Lumber & Shingle Co. (Red Cypress)
WINNFIELD—*Dalton-Clark Stave Co.
*Sulphur Timber & Lumber Co., Ltd. (Planing Mill)
WINNSBORO—Steele & Johnson (Saw Mill)
WINONA—*Pine Tree Lumber Co. (Yellow Pine)
WOODWORTH—*Rapides Lumber Co. (Yellow Pine)
WYATT—*Wyatt Lumber Co. (Yellow Pine)
YELLOW PINE—*Globe Lumber Co. (Yellow Pine)
ZIMMERMAN—*Bentley, J. A. Lumber Co (Yellow Pine)
ZWOLLE—Sabine Lumber Co., Ltd. (L. L. Yellow Pine)

MAINE.

ALBANY—*Brown, Jas. (Saw Mill)
ALEXANDER—*Dwelley, Jno. W. (Shingles)
ALFRED—*Jordan, B. C.
AMHERST—*Kenniston, J. S. & Sons (Shingles)
ANDOVER—*Poor, O. B. & E. S.
ARGYLE—*Smith, Sam'l
ARROWSIC—*Crosby, C. C. (Saw Mill)
ASHLAND—*Ashland Co.
AUBURN—*Hutchins, H. Wesley Co. (Basswood
*Winter, Frank W. Veneer)
AUGUSTA—*Augusta Lumber Co. (Pine & Spruce Lumber, Lath & Shingles)
*Lawrence, Newhall, Page & Co. (Lumber, Box Shooks, Birch Flooring & Mill W'k)
BANGOR—*American Realty Co.
*Ayer, F. W.
*Cassidy, John & Son
*Eastern Mfg. Co.
*Engel, Wm.
*Lowell & Engel
*Morse & Co. (Inc.)
*Rice & Kelley
*Walker, James & Co.
*Webber, C. P.
BAR MILLS—*McKenney, Chas. W.
BATH — *Passmore, H. T. & Co. (Lumber & Mill Work)
*Rogers Bros.
*Shaw, M. G. Lumber Co.
BINGHAM—*Lander & Ayer.
BRIDGTON—*Newcomb, Geo. W.
CALAIS—Eaton, H. F. & Sons
*Murchie, Jas. & Sons
CASCO—*Hancock, S. O.
ELLSWORTH FALLS—*Treworgy, Chas. J. (Stave Headings, Shingles & Box Shooks)
*Whitcomb, Haynes & Co. (Spruce & Hemlock Lumber, Lath & Shingles)
FRANKLIN—*Macomber Bros.
GARDINER—*Gray, Joshua & Sons (Lumber, Shingles & Lath)
*Oakland Mfg. Co. (Southern Lumber)
ISLAND FALLS—*Mattawamkeag Lumber Co.
LEWISTON—*Cloutier & Irish Lumber Co.
§Pingree, Sam'l R. B.
LIMESTONE—*Noyes, A. L.
MACHIAS—*Machias Mfg. Co. (Lumber, etc.)
*White, Everett I.
MARS HILL—*York Bros.
NEW GLOUCESTER—*Chandler Bros.
*Sturgis & Haskell
NEW VINEYARD—*Hillman, G. R.
OLD TOWN—*Jordan Lumber Co. (Box Shooks & Lumber)
*Wing & Engle Co. (House Finish, Box Shooks, etc.)
PORTLAND—*Allen, Wm. A. (Wood Mantels, Tiling of all Kinds, Posts, Rails, Columns, etc., House & Church Finish), 125 Somerset
*Berlin Mills Co. (Spruce Lumber, Clapboards, Shingles, Lath, Pickets, Dimension Boards, etc.), 404 Commercial
Hamlin, J. H. & Son (Lumber & Box
*McDonald Mfg. Co., 54 York Shooks)
*Richardson, Dana & Co. (So. Pine, Cypress & Hardwood), 831 Commercial
*Riggs, W. W. & Co., 304 Commercial
*Rummery, Jerome & Co., 91 Kenebec
PRESQUE ISLE—*Phair, Thos. H.
RUMFORD FALLS—*Dunton Lumber Co. (Saw Mill)
SHAWMUT—*Shawmut Mfg. Co. (Lumber & Pulp)
SHIRLEY MILLS—*Shirley Lumber Co.
SOUTH BREWER—*Sargent Lumber Co.
SOUTH GARDINER—*Lawrence Bros. Co.
*South Gardiner Lumber Co.
SOUTH JEFFERSON—*Trask Bros.
STRONG—*Warren, Hugh M.
VAN BUREN—*Grand Isle Lumber Co.

MARYLAND.

BALTIMORE—§Alcock, John L. & Co. (Exporters of Hickory, Oak, Poplar & Walnut), 1 S Gay
§American Lumber Co. (Lumber & Shingles), 1407 Fallpat
§Amendorf, J. H. & Co., Stewart bldg
Barr, R. P. & Co. (Hardwood), Keyser bldg
§Canton Lumber Co. (Kiln Dried N. C. Pine, Ga. & Va. Sizes), Boston c Chesapeake
§Carter, Hughes & Co. (Hardwood Mfrs.), 800 Union Dock
§Charabee, Thos A. & Bro. (Ties, Poles, etc.), 713 Caroline
*Dill, Lewis & Co. (Pine, Cypress, Oak, etc.), 500 W Falls av
§Edwards', B. W. Sons, 15 S Gay
§Gilbert, J. L. & Bro., c E Falls & Eastern av
§Heise & Bruns Mill & Lumber Co., 400 S Caroline

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§Horstmeier Lumber Co. (N. C. Pine), 303 E Falls av
*Independent Lumber & Mill Co., Friendship av, nr York rd
Jackson, E. E. Lumber Co. (Long Leaf Yellow Pine), Law bldg
*James, N. W. & Co., Union Trust bldg
Lafayette Mill & Lumber Co., 2100 W Lafayette av
§Matthews, Thos. & Son (Timber, Yellow, White & Oregon Pine, Cypress, Oak & California Redwood), Canton av & Albermarle
§Munroe & Co. (Poplar, Hardwoods & White Pine), Keyser bldg
§Price, E. E. (Hardwood, Poplar & Logs, also Exporting Mfrs.), Continental bldg
§Price & Heald (Hardwood), Knickerbocker bldg
§Rowe, W. Lewis & Co., East Falls & Canton av
§Ryland & Brooks Lumber Co. (N. C. & Ga. Pine & Hardwood) American bldg
*Shryock, Thos. J. & Co. (Pine, Hardwood, etc.), Shryock's Wharf
*Sloan, Geo. F. & Bro. (N. C. Pine & Flooring Mouldings, etc.), 414 Light St. Wharf
§Stran, Chas. T. Co., 740 Eastern av
*Surry Lumber Co., Union Trust bldg
*Walker & Myers, 117 Market pl
§Waters, Geo. E. Co., 922 Park av
§Whitmer, Wm. & Sons, Inc., 9 E Lexington
§Womble, Pembroke M., 2901 Elliott ter
*Wood, Rob't E. Lumber Co. (Hardwood), Continental Trust bldg

BEL AIR—*De Ran Lumber Co.
BERWYN—*Hewley Bros. (Saw Mill)
BETHLEHEM—*Messick, A. J. (Saw Mill)
BRANDYWINE—*Robinson, Aquila T. (Lumber & Ties)
CAMBRIDGE—*Cambridge Mfg. Co. (Lumber, Barrels, etc.)
*Wright, R. T. (Saw Mill)
CUMBERLAND—*Mertens' Sons, Fredk. (Lumber, Building Materials, etc.)
*Smouse, Thos. F. (White Oak, Car, Lumber)
*Union Lumber Mfg. Co.
SALISBURY—Adkins, E. S. & Co., Inc. (Lumber, Flooring, Box Shooks, etc.)
Day, Wm. M. (Saw Mill)
*Downing, Wm. J. Lumber Co.
*Jackson Bros. Co.
*Miller, W. B. & Co. (Lumber & Saw Mill)
*Perry, Thos. & Bro. (Box Lumber)
*Tilghman, Wm. B. Co. (Shingles, etc.)
Williams, C. E. & Co. (Saw Mill)
*Williams, L. E. & Co.

MASSACHUSETTS.

BOSTON—§Arend, Frank A. & Co. (All Kinds), 300 Albany
*Atlantic Lumber Co. (Hardwoods, Whitewood, N. C. Pine), 70 Kilby
§Barker, Wm. G., 10 Central
§Barker & Co. (Inc.) (Pine, Spruce, Cypress, Whitewood), 53 State
§Bearse, O. & Son Co. (Mahogany & Hardwood), 33 Broad
§Bickford, H. M. Co. (Poplar, Hardwood & N. C. Pine), 70 Kilby
*Blacker & Shepard Co., 350 Albany
§Blanchard Lumber Co., 126 State
*Booth, J. R. (Lumber, House Finish & Packing Boxes), 88 Broad
§Boston Lumber Co. (Pine & Hardwood), 70 Kilby
§Boston Oak Pile Co., 27 Kilby
§BOSTON-OREGON MAST CO. (Pacific Coast Lumber Products, Decking Lumber, Red Cedar, Shingles, Masts, Spars & Piling), 13 Coleridge, E. B. (See adv. Index, end of book)
§Buzzell, E. H., 71 Kilby
§Chester, W. R. & Co., 17 Doane
§Clapp, Alfred, 92 State
*Clark & Smith (Mahogany & Veneers), 231 Medford, Charleston
§Connecticut Valley Lumber Co. (Spruce, Pine, Hemlock & Hardwoods), 89 State
§Curtis, Wm. Sons Co., 30 Eustis
§Curtis & Pope Lumber Co., 774 Albany
Cypress Lumber Co. (Band Sawed Gulf Cypress, Long Leaf Yellow Pine, Poplar & Cottonwood, etc.), 88 Broad
§Davenport, Peters Co., 70 Kilby
§Farber, Stockford & Co., 11 Doane
§Godfrey, L. N. Co. (Pine, Poplar & Maple & Oak Flooring), 19 Exchange pl
§Goldsmith, F. L. (Mahogany & Cabinet Wood), 19 Chardon
§Hall Lumber Co. (Northern, Eastern & Southern Lumber), 33 Broad
§Hammond, Edw. J. Co. (Hard & Soft Wood), 70 Milk
§Haskins, Wm. & Son, 110 State
*Huckins, P. S. & Co. (Georgia Yellow Pine), 45 Kilby
§Hurd, Jos. A. Lumber Co. (Pine, Hardwood Lumber, Cedar Shingles, Dock Timber, etc.), 53 State
§James, E. B. Lumber Co., 16 Centre
§James & Abbott Co., 425 Medford, Chsn.
§Johnson, L. S. & Co. (Mahogany & Cabinet Wood), 414 Albany
§Jones Hardwood Co. (Hardwoods, Cypress & Yellow Pine Flooring), 33 Broad
§Lawrence & Wiggin (Ind. & Southern Hardwood & Imp. of Mexican Mahogany), 281 Medford, Chsn.
§Litchfield, Wm. E. (Hardwood), 70 Kilby
§McQuesten, Geo. Co., 27 Kilby
*Macauley, Geo. W. (Builders' Finish), 887
§Noyes, Walter D., 33 Broad Albany
§Palmer, Parker & Co. (Mahogany, Hardwood Lumber & Veneers), 103 Medford, Chsn
§Parker & Page Co. (N. C. Pine, Cypress & Hardwood), 32 Lancaster
§Pratt & Co., 50 Congress
*Richardson, A. H., Jr. (Spruce, Hemlock & Pine), 170 Summer
§Shepard & Morse Lumber Co. (Cypress & Hardwood), 70 Kilby
*Skillings, Whitneys & Barnes Lumber Co. 45 Kilby
*STEARNS, A. T. LUMBER CO. (Cypress, Yellow Pine, Ash & Other Wood, Doors, Sash, Blinds, Building Trim, Cabinet Work, Flooring, Shingles, Tanks, etc.), Neponset. (See adv. Index, end of book)
§Stebbins, H. B. Lumber Co., 70 Kilby
§Stetson, Cutler & Co., 70 Kilby
§Stone Lumber Co., 4 Liberty sq
Weston, W. M. & Co. (Hardwood), 120 Milk
§Wiggin, H. D. (Hardwood), 89 State
§Wood, Jas. A., 54 Kilby
§Wood-Barker Co. (Poplar, Cypress & Southern Pine), 53 State
CAMBRIDGE—Wood, Wm. H. & Co., 13 B'way
§Woods, W. H. & Co. (Hardwood), 223 Bridge, E. C.
CHELSEA—*Emery, Geo. D. (Imported & Domestic Cabinet Wood & Veneers)
FALL RIVER—*Blossom, Abram S. (Hardwood, Pine, etc.), 29 Jesse
*Erickson, G. & Bro. (Saw & Planing Mill), Blossom's av
*Prosser, Wm. & Sons, 943 Pleasant
FITCHBURG—*Eaton, Perley R. (Pine, Spruce & Northern Hardwoods)
§Garno, W. A. Co. (Pine & Hardwood Lumber, Box Shooks, Builders' Finish, etc.)
§Priest, C. A. Lumber Co. (Laths, Clapboards, Shingles, Lumber, etc.)
HOLYOKE—*Connecticut Valley Lumber Co. (Spruce, Lumber, Lath & Shingles)
LAWRENCE—*Lawrence Lumber Co. (Lumber & Mfr. Boxes)
*Pingree, D. W. & Co. (Lumber & Mfr. Boxes)
LOWELL—*Allen, Otis & Son (Lumber, Mouldings & Boxes)
Burnham & Davis (Shingles, Clapboards, etc.), 154 Western av
*Cady, Geo. L. & Sons (Lumber, Packing Boxes, Box Shooks, etc.)
*Cheney, Frank P. (Boxes, Box Shooks, Cloth Boards & Dealer in all kinds of Lumber
*Davis & Sargent Lumber Co. (Lumber, Packing Boxes, Planing Mill, etc.)
*Pratt, Amasa Co. (Veneered Doors, etc.), 703 Dutton
MARBLEHEAD—Bowden, Thos. J. & Son (Saw Mill)
MILLBURY—Rice, A. W. & A. J. (Saw Mill)
MONSON—Squier & Co.
NORTH ADAMS—Dibble, S. B. Lumber Co.
NORTH READING—*Upton, Henry A. (Saw Mill)
PITTSFIELD—§Berkshire Lumber Co.
PRINCETON—*Bigelow, J. Elbert (Lumber & Saw Mill)
RUSSELL—Russell Lumber Co. (R. R. Ties)
SPRINGFIELD—*Angers Bros. (Shingles)
Bartholomew, C. A. (Saw Mill)
§Blodgett, Edwin A.
§Currier, R. B. (Southern & Michigan Pine & New York Spruce; Also Pine & Cedar Shingles)
§Dutton, A. C. Lumber Co. (Pine, Spruce, & Pacific Coast Products)
*Fenderson, John & Co. (Inc.)
§Morse, Fred. S. Lumber Co.
§Rice & Lockwood Lumber Co. (Pine, Hardwood & Shingles)
*Springfield Lumber Co. (Planing Mill)
§United Lumber Co. (Eastern White Pine & North Carolina Pine)
TOWNSEND—Adams, U. S. & Co. (Saw Mill, Cooperage)
Fessenden, B. & A. D. (Saw Mill, Cooperage, Lumber)
TYNGSBORO—*Flint, A. A. (Saw Mill, Mfr. Sherburne, W. A. (Saw Mill) Boxes)
WALPOLE—Morse, H. A. & Co. (Saw Mill)
WARWICK—Williams, C. A. (Saw Mill)
WESTBORO—*Bartlett Box & Lumber Co. (Saw Mill)
WEST BRIDGEWATER—*Lyon, A. S. (Saw Mill)
WEST STERLING—Buck, T. & E. R. (Chair Mfr. & Saw Mill)
WEST TOWNSEND—Stickney, Clarence (Saw Mill, Cooperage, Lumber)
Thompson, Jos. F. (Saw Mill, Cooperage Lumber)
WORCESTER — *Cooperative Builders Finish Co. (Doors, Sash, Blinds, etc.)
§Hackwell, E. A. & Co. (Southern Pine, Canada, Western & Northern Lumber)
§Stone & Foster Lumber Co. (Northern, Western & Southern Lumber)

WE MANUFACTURE EVERYTHING
IN WOOD OR WOODWORK
For Interior and Exterior Construction and Finish.
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We handle Lumber of all kinds, from all sections, North, South, East and West, making a principal specialty of
Florida Gulf Cypress and Georgia Long Leaf Pine.
THE A. T. STEARNS LUMBER CO.,
BOSTON, MASS.

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MICHIGAN.

ALANSON—Markham, M. S. (Shingles & R. R. Ties)

ALPENA—*Churchill Lumber Co. (Lumber & Saw Mill)
*Eales Bros. & Co. (Shingles & Ties)
*Fletcher, Geo. N. & Sons (Lumber & Saw Mill)
*Gilchrist, F. W. (Pine, Maple Flooring, Red Cedar Shingles, etc.)
*Holmes & Nicholson (Lumber, Cedar & Hemlock Bark)
*Masters, Geo. & Co. (Shingle Mill)
Michigan Veneer Co.
Northern Planing Mill Co. (Lumber)
*Richardson Lumber Co. (Lumber & Saw Mill)

ANN ARBOR—*Luick Bros. & Co. (Lumber & Interior Finish)

ARCADIA—Stark, Hy. Land & Lumber Co. (Saw Mill)

ASHLEY—Chittenden, C. E. & Co. (Hardwood, Staves & Headings)

AU SABLE—*Louds, H. M. Sons Co. (Pine & Cedar Poles)

BANNISTER—Letts, R. G. (Saw & Planing Mill)

BAY CITY—Bay City Box & Lumber Co.
§Black, Robert & Co. (Pine & Hardwood)
*Bradley, Miller & Co., Inc. (Lumber, Shingles, Lath & Box Shooks)
*Campbell-Brown Lumber Co. (Hardwood, Saw Mill)
*Eddy Bros. & Co. (White Pine & Mill Work)
*Foss, E. B. & Co. (White Pine Lumber, Laths & Shingles)
*Godkin, John (Saw Mill)
*Goldie Mfg. Co. (Cooperage Stock)
*Handy Bros. (Box Shooks)
Hanson-Ward Veneer Co.
*Hope Lumber Co. (Timber & Lumber)
Kerr & Newcomb (Hardwood)
*Kneeland, Bigelow Co. (Saw Mill & Hard Wood)
*Lamont, Matthew (Planing Mill, Lumber, Sash, Doors, etc.)
*Lewis Mfg. Co. (Sash, Doors, Lumber)
*Mengel, E. & Co. (Pine & Box Shooks)
*Mershon-Bacon Co. (Lumber & Box Shooks)
*Michigan Cedar Co. (Poles & Ties)
*Nickless, W. H. (Box Shooks & Crates, Flooring & Car Planing)
Vance, E. J. Box Co. (Box Shooks)
Wentworth, J. & G. K. (Logs & Lumber)
*Woodworth, F. T. & Co., S Water
*Young, W. D. & Co. (Hardwood Lumber

BELLAIRE—*Hosmer, W. A. & Flooring)
Potter, C. C. & Co. (Saw Mill)
Reilly, Wm. & Sons

BENTON HARBOR—*Preston, W. A. (Lumber & Interior Finish)
*Preston, W. A. (Lumber & Interior Finish)

BIG RAPIDS—*Hood & Wright (Veneer & Panels)
*Ward Bros. (Bicycle Woods & Lumber)

BLOUNT—*Blount, C. H. (Lumber & Cedar)

BOYNE—*Boyne City Lumber Co.
*Von Platen, Geo. (Lumber & Saw Mill)
*White Veneer Co. (Hardwood Veneer & Trunk Slats)
*White, W. H. Co. (Hemlock, Maple, Soft & Rock Elm, Basswood, Beech, Cedar, Shingles, Tan Bark, etc.)

CADILLAC—Anderson, A. F. (Lumber & Saw
*Cadillac Veneer Co. Mill)
Cobbs & Mitchell (Maple Flooring, etc.)
*Cummer, Diggins & Co. (Hemlock & Maple Flooring)
*Goldie, Jno. S. (Hardwood & Hemlock)
*Mitchell Bros. Co. (Maple, Red Oak, Beech Flooring, Basswood Bevel Siding, Mich. Hardwood, Hemlock Lumber & Lath)
*Murphy & Diggins (Hardwood, etc.)

CALUMET—*Armstrong-Thielman Lumber Co. (Lumber, Lath, Shingles, Mouldings, etc.)

CARO—Heartt, Wm. A.

CEDAR—*Culver, M. A. & Son (Planing Mill)
*Sullivan, Jerry (Shingles)

CEDAR RIVER—*Crawford Samuel & Sons (Lumber)

CENTRAL LAKE—Central Lake Lumber Co. (Staves, etc.)

CHARLEVOIX—Charlevoix Lumber Co. (Hardwood, Hemlock & Pine)

CHARLOTTE—Huber, R. S. (Saw Mill)

CHEBOYGAN—§Embury, S. Harris
§Embury-Martin Lumber Co.
*Littlejohn, Lewis & Sons (Planing Mill & Lumber)
Lombard & Rittenhouse (Cedar Ties, Poles & Lumber)
*Nelson Lumber Co. (Lumber & Saw Mill)
Olds, M. D. (Lumber, Lath & Staves)
*Quay & Sons (Shingles & Hardwood Lumber)

COLEMAN—*Curtice, J. E. (Cooperage)

CONWAY—*McFarlane Bros. (Saw Mill)

DAGGETT—*Kesler, J. (Lumber & Cedar)
Perrizo & Sons (Cedar)
Weng, L. E. & Son (Cedar)

DETROIT—*Alger, Smith & Co. (Long Pine Timber), Union Trust bldg
§Anketell Lumber Co., Majestic bldg
‡Beyster, John (Lumber, Planing Mill & Box Factory), 875 Fort, W
*Brownlee & Co. (Lumber & Telegraph Poles), Telegraph bldg
§Clifford, James, 112 Larned W
§Danaher & Melendy Co., Hammond bldg
*Dennis & Smith Lumber Co. (Poplar, Oak, Chestnut, Cypress & Hardwoods), 4th & Holden av
*Detroit Cedar & Lumber Co.), (Ties, Poles Lumber), Chamber of Com.
*Detroit Lumber Co. (Lumber & Saw Mill), 1311 Gratiot av
*Dwight Lumber Co. (Maple & Oak Flooring & Cigar Box Lumber, etc.), Rouge River & M. C. R. R.
*Grace Harbor Lumber Co. (Hardwood White Pine, Norway, Hemlock, etc.), 1389 River
*Harding, H. W. Lumber Co. (Pine & Hardwoods), 800 Scotten av
Hornung, J. T., Chamber of Commerce bldg
§Hunton & Weeks
Myles, 260 Franklin
§Kotcher, C. W., 649 Gratiot av
§Leech, E. W. (Hardwood), 15th & Warren
*Leech, Roche & Co., M. C. R. R. & 24th
*McArthur Bros. Co., Brady blk
*McClure Lumber Co. (Hardwood, etc.), 520 Franklin
*Manistique Lumbering Co., Union Trust bldg
§Morley, Geo. & Co., 520 Atwater, E.
§Moyer, W. & Co., Majestic bldg
*National Mfg. Co. (Slack Cooperage Stock for Flour, Cement, Lime & Sugar Barrels), Penobscott bldg
*Nester, Thos. (Est. of), (Mills, Pine Lands, Lumber), Majestic bldg
*Ouellette, Thos., Lumber Co. (Hardwood), Home Bank bldg
*Restick, C. W. Lumber Co. (Lumber & Planing Mill), 992 Vinewood av
§Ross, Fred C., Cham. of Com. bldg
*Sibley, F. M. Lumber Co., Kercheval av & M. C. R. R. Belt Line
§Sicklesteel Lumber Co. (Hardwoods), Amsterdam & 3d av
*Stephens, Henry & Co. (White Pine & Hardwood), Gas Office bldg
*Theisen, Michael J. (Saw Mill & Hardwood Lumber), 904 Scotten av
Weber, J. F. & Co. (Lumber & Planing Mill), 304 Gratiot av

DICKINSON—*Squier, F. W. (Saw & Shingle Mill)

DOLLARVILLE—*Danaher Hardwood Lumbe.

DOWAGIAC—§Judd, Mark & Son Co.
§Lindsley, J. A. & Co.

EAST JORDAN—*Black Land & Lumber Co (Lath), Lumber, Ties, etc.)
East Jordan Lumber Co. (Lumber, Saw Shingle & Planing Mills)

EASTLAKE—*Peters, R. G. Salt & Lumber

EDMORE—*Pfeiffer & Burch (Shingles) Co.

ESCANABA—*Erickson & Bissell (Piling, Tie, Perron, M. (W. Cedar) & Posts)

ESSEXVILLE—Courval & Co. (Shingles)

FERRY—Powers & Critchett (Lumber & Lath)

FLAT ROCK—Metler, C. L. & Co. (Saw Mill)

FLINT—*Flint Lumber Co. (Planing Mill)
*Hearsch & Atwood (Planing Mill)

FOSTER CITY—Morgan Lumber & Cedar Co (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc.; Shingles, White Cedar, Red Cedar & Pine)

FRANKENMUTH—Veitengruber Bros. (Saw &

FRANKFORT—*Bellows Bros. Planing Mill)
Perue, J. H. (Lumber, Bark, etc.)

FREEPORT—*Fox, W. & Co. (Saw & Planing Mills & Lumber)

GAGETOWN—Quinn & Fahrenkopf (Saw Mill)

GARTH—*Garth Lumber & Shingle Co.

GAYLORD—Humphreys Bros. (Planing & Saw Mills)

GLADSTONE—*Northwestern Cooperage & Lumber Co.

GLADWIN—Bliss, Chas. S. (Saw Mill & Lumber)

GLENWOOD—Hampton Stock Farm Co. (Saw Mill & Mfr. Staves & Headings)

GOBLEVILLE—*Clement, J. L. & Sons (Saw & Planing Mill)

GRAND HAVEN—*Millman, H. G. & Co. (Veneer Doors)

GRAND MARAIS—*Cook, Curtis & Miller (Inc.) (Staves & Headings)
*Marais Lumber Co.
*Schneider, Rudolph E. (Shingles)
*Stone, Chas. E. (Lumber & Shingles)

GRAND RAPIDS—*§Angell, H. C. Co. (Lumber & Shingles)
Bacon, C. S. Co. (Lumber, Lath & Shingle), Michigan Trust bldg
*Dennis Bros. (Hardwoods & Maple & Birch Flooring), Michigan Trust Co.
Dupree, John & Co., 320 Taylor bldg
Engel Land & Lumber Co., Houseman blk
Evans & Retting Lumber Co., Michigan Trust bldg
*Fuller & Rice Lumber & Mfg. Co. (White Pine, Hemlock, Hardwood, etc.)
Hackley-Phelps-Bonnell Co. (Bark & Hardwoods), Michigan Trust bldg
*Follmer, C. C. & Co. (Lumber & Shingles)
*Hughart, W. O., Jr. (Hardwood), Michigan Trust Co. bldg
*Hughart & Kendall (W. Hardwoods), Michigan Trust Co. bldg
Letellier, F. & Co. (Planing Mill, etc.), 222
Mercer & Ferdon Lumber Co. Canal
*Michigan Barrel Co. (Barrels, Boxes, Bent-
§Michigan Maple Co. (Hardwoods) wood)
Spear, C. A. & Son (Lumber, Planing mill)
Stearns Co., The (W. Lumber)
Stiles Bros., 1st av & M. C. R. R.
Van der Berg & Van der Veen Co., 149 Crosby
*Van Keulen & Wilkinson Lumber Co. (Hardwoods), Crating Stock, etc.
*Wagner, G. N. Shingle Co. (Pine & Red Cedar Shingles & Pine & Hemlock Lumber), Michigan Trust Co. bldg
§White & Friant Lumber Co., Michigan Trust bldg
*Winchester & Daniels (Pine & Cedar Shingles)
§Zipp Bros. (Hardwood), Houseman blk

GRAYLING—*Kerry & Hanson Flooring Co.
*Salling, Hanson & Co. (White Cork & Norway Pine)

GREENVILLE—*Foster, Jno. J. Lumber Co.

HARBOR SPRINGS—*Harbor Springs Lumber Co.

HARDWOOD—Anderson, P. J. (Cedar Timber)

HARRIETTE—Fellers Bros. (Saw Mill Staves,

HART—*Bennett Lumber Mfg. Co. etc.)
Hart Cedar & Lumber Co.

HARTFORD—Walker, L. P. (Saw Mill & Hoop Mill)

HASTINGS—*Harper, J. S. & Co. (Lumber & Lombard & Alden (Hardwood) Shingles)

HERMANSVILLE—*Wisconsin Land & Lumber Co. (Hemlock & White Pine Lumber, White Cedar Shingles, Basswood Ceiling, Siding, Mouldings, Hardwood Flooring, etc.)

HOLLAND—*Kleyn Lumber Co. (Lumber, Lath,
*Scott, Luggers Lumber Co. Shingles)

HOLLY—*Michigan Mfg. & Lumber Co.

INGALLS—*Carley, Ira (White Cedar Posts, Dobeas, Louis (Cedar) Poles & Shingles)

IRONWOOD—*Scott & Howe Lumber Co.

KALKASKA—*Bockes, Mahan & Co. (Lumber & Shingles)

KENTON—*Sparrow-Kroll Lumber Co.

KINGSLEY—*Case & Crotser
*Dunn, Wesley

LAKE ANN—*Habbeler, Wm. Co. (Lumber, Cooperage, etc.)

LAKE CITY—*Ardis, S. B. Land & Lumber Co. (Saw & Shingle Mill)

LAKEVIEW—*Macomber & Bale (Lath & Shingles)

LAPEER—*King, Rob't Lumber Co. (Lumber, Lath & Shingles)

LEWISTON—*Michigan & Hanson Lumber Co.

LUDINGTON—*Butters Salt & Lumber Co.
Cartier Lumber Co.
*Rath, H. G. (Lumber & Shingles)
*Stearns, J. S. (Lumber, etc.)

LUPTON—*Bates, W. A. (Saw & Planing Mill)

MANISTEE—*Buckley & Douglass Lumber Co. (Timber, Lath & Shingles)
*Filer, D. L. & Sons (Saw Mill, Lumber)
*Sands, Louis Lumber Co. (Pine, also Lath & Shingles)
*State Lumber Co. (Lumber & Shingles)

MANISTIQUE—*Chicago Lumbering Co.
*Weston Lumber Co. (Saw Mills & Lumber)

MANTON—*Clark, F. N. (Hemlock Bark & Timber)
*McAfee, A. & Co (Staves & Headings)
*Williams Bros. Co. (Lasts & Lumber)

MAPLE RAPIDS—*Jones, Jas. E. (Saw Mill & Oar Mfr.)

MARION—Wagner & Gilmore (Shingles)

MARQUETTE—*Marquette Box & Lumber Co.

MAYFIELD—*Gibbs, Mrs. J. L. (Saw & Shingle Mill)

MENDON—Austin Co., F. (Lumber & Planing Mill)

MENOMINEE—Crawford Mfg. Co. (Boxes)
*Dominion Lumber Co.
*Girard Lumber Co. (Pine, Hemlock, Hardwood & Cedar Lumber, Lath, Pickets & Piling)

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*Huebel, C. J. Co. (Lumber, White Cedar Poles, Posts & Shingles)
Hemlock, Hardwood & Cedar Lumber, Lath & Shingles)
*Menominee River Shingle Co. (Cedar Shin-
*Menominee White Cedar Co. gles)
Peninsula Box & Lumber Co. (Box Shooks & Boxes)
§Spies, August Lumber & Cedar Co. (Pine, Hemlock & Cedar Lumber, Lath & Shingles)
*Wells, John M. Lumber Co. (Pine, Hemlock, Hardwood & Cedar Lumber, Lath & Shingles)
*White Pine Lumber Co. (Canadian White Pine Lumber, Lath & Shingles)
§Wolverine Cedar & Lumber Co. (Cedar & Lumber)
MESICK—*Mesick Mfg. Co. (Headings, Lumber,
MIDDLETON—*Middleton Cooperage Co. etc.)
MIDLAND—*Brown, C. (Lbr. & Planing Mill)
MILLERSBURG—Hamilton, J. T. (Saw Mill)
Holihan, R. P. (Lumber, Logs & Cedar)
MONROE—§Sterling, W. C. & Son Co. (Hardwood & Hemlock)
MUNISING—*Great Lakes Veneer Co.
MUSKEGON—*Alberts, Frank & Sons (Mfrs. & Wholesalers of Lumber & Shingles)
*Gow & Campbell (Mfrs. & Wholesalers of Lumber)
Houseman, C. L. (Lumber, etc.)
Hume-Bennett Lumber Co. (Saw Mill, Lumber)
*Jones, Wm. R. (Saw Mill Mfrs.; Custom Work Only)
*Mann, Watson & Co. (Planing Mill & Wholesale & Railroad Lumber)
*Thayer Lumber Co. (Saw Mills & Wholesale Lumber, Lath & Shingles)
NADEAU—*Nadeau Bros. (White Cedar & Hardwood)
NESSEN CITY—*Nessen City Mfg. Co. (Lumber, Staves, Lath, etc.)
NOLAN—Coan, Edward A.
NORTHPORT—Kehl Bros. (Wood, Bark, Ties)
*Northport Lumber Co. (Saw & Planing Mill)
OMER—Kent, Andrews (Logs & Lumber)
ONAWAY—*American Wood Rim Co.
Gardner & Peterman (Staves & Heading)
*Loisell & Churchill Mfg. Co. (Hardwood Lumber, Shingles, Maple Flooring, Ties, Poles & Posts)
ONTONAGON—*McMillan, C. V. Co. (Lumber, Lath, Planing Mill)
*Ontonagon Lumber & Cedar Co.
*Ontonagon Stave & Veneer Co.
OSCODA—*Hull & Ely
PARK LAKE—*Du Roy Mfg. Co. (Lumber & Handles)
PELLSTON—*Bogardus Land & Lumber Co. (Shingle Mills & Lumber)
Nellson, N. C. (Shingle Mill)
*Pellston Planing Mill Co.
PENTOGA—*Hood, F. G. Co. (Staves, Heading Lumber & Shingles)
PENTWATER—*Sands & Maxwell Lumber Co.
PEQUAMING—*Hebard, Chas. & Sons (Inc) Saw & Shingle Mills)
PETOSKEY—*McManus, W. L. Lumber Co. (Hardwood & Soft Lumber)
Merchant, F. D. (Saw Mill)
*Petoskey Block & Mfg. Co. (Lumber & Butchers' Blocks)
PHELPS—Peterson, N. P. & Co. (Saw Mill)
PONTIAC—*Amy Lumber Co. (Saw Mill & Lumber)
PORT HURON—§Haynes, F. J. & Co. (Lath, Shingles, Lumber, Posts, etc.)
RABER—*Mud Lake Lumber Co.
RAPID CITY—St. Louis Hoop & Stave Co. (Hoops & Staves)
RAPID RIVER—Madden, Jerry Shingle Co. (Shingles, etc.)
REED CITY—*Horner, Wm. (Hardwood Floor-
*Welsh Mfg. Co. (Flooring) ing)
RICHMOND—Weston, Geo. W. (Lumber, Planing Mill, Sash, Doors, Blinds)
ROBBINS—Jentz, Fred (Shingle Mill, Cedar, etc.)
ROSE CITY—*Prescott, Miller & Co (Saw Mill, Lumber)
Rose City Mfg. Co. (Cooperage Stock)
SAGINAW—§Batchelor Timber Co. (Saw Mill & Lumber)
Boman Lumber Co (Saw Mill & Lumber)
*Bliss & Van Auken (Maple Flooring, Lath, & Shingles)
*Booth & Boyd Lumber Co. (Lumber, Lath Shingles & Mill Work)
Brewer, F. P. & W. A. (Timber, etc.)
*Briggs & Cooper Co. (Pine, Oak, Ash, Cedar Shingles, etc.)
Burrows & Rust (Lumber)
Cornwell, Lewis (Estate of) (Saw Mill, Lumber)
*Davis, Chas. H. (Lumber, Logs, etc.)
*Davis Lumber Co.
§Derry, Stephen F. (Hardwood, Car & Trade
*Eastman, S. L. Flooring Co. a Specialty)
§Eddy, C. K. & Sons (Inc.) (White Pine Lumber & Logs)
§Fleischman, John L. (Hardwoods)
§Fordney, J. W., Merril blk (Lumber & Logs)
*Furstenberg Bros. (Planing Mill, Lumber)
§Galloway-Penze Co.
*Gardner, Peterman & Co. (Cooperage Stock & Shingles)
*Germain, Edw. (Planing Mill, Lumber)
Germain & Boyd Lumber Co (Saw & Planing Mill)
§Hill, Arthur & Co. Ltd (Pine Lumber)
Hill-Drummond Lumber Co.
*Jackson, Wylie & Co. (Hoops & Staves)
Kuehl, Chas. W. (Tan Bark & Lumber)
Loveland & Stone (Saw Mill, Lumber)
§McCormick, E. W., (Hardwood & Lumber)
Markey, Wm. T (Hardwood, Lumber & Shingles)
*Mershon Schuette, Parker & Co. (Lumber, Box Shooks, Shingles & Mill Work)
Otter Creek Lumber Co. (Lumber & Saw Mill)
Phillips & Seeley (Lumber, Lath & Shingles)
Poles & Posts, Norway & Hemlock Lath, Spiral Timber, etc.)
Richardson, E. Co. (Tie) (Timber)
§Rupp, J. J. (Pine Logs & Lumber) Bearing-
*Saginaw Lumber & Salt Co. er bldg.
*Saginaw & Manistee Lumber Co.
§Slade, Lewis C (W. Lumber & Shingles)
*White, A. C.
Wylie, J. T. & Co. (Slack Cooperage Stock for Flour, Sugar, Cement, etc.)
ST. IGNACE—*Jamieson, J. A. Lumber Co.
SCHOOLCRAFT—*Fellows, L. L. (Hardwood)
SEBEWAING—*Liken & Bach (Stable & Heading)
SHERMAN—Chadwick, Dan'l O. (Saw & Planing Mill
SIDNAW—*Prickett, Walter S. (Timber, etc.)
STURGEON BAY—Kline, A. B. Lumber Co.
TALLMADGE—Root, W. S. & Son (Saw & Shingle Mill)
TANNER—Williamson & Good (Hardwood)
TEKONSHA—Randall, A. H. Saw Mill Co. (Saw Mill)
TEMPLE—*Temple Mfg. Co. (Tie & Staves)
THOMPSON—*North Shore Lumber Co.
*Thompson Lumber Co.
TORCH LAKE—*Camerou Lumber Co. (Lumber & Shingles)
TOWER—Finan & Finan (Shingles & Cedar)
TRAVERSE CITY—*Beitner, Wm. & Son
*Grellick, J. E. Co. (Lumber, Planing & Saw Mill
Hull, Longnecker Co. (Lumber)
*§Kelley Lumber & Shingle Co. (Pine, Hardwoods, Cedar Shingles, Posts, etc.)
*Ott, John F. Lumber Co., E. End Bay
Smith & Hull Co. (Timber, Logs, Bark & Wood)
*Williams, W. E. Co.
TURNER—Eymer, Myron H. (Saw Mill)
TWINING—*McCready, John (Saw Mill & Lumber)
UNION CITY—Union City Lumber Co.
VAN—*Van Every Bros. (Lumber, Ties, Posts)
VANDERBILT—Olds & Hixson (Stave Mfrs.)
Yuill Bros. (Loggers)
VANS HARBOR—*Vans Harbor Land & Lumber Co.)
VERMONTVILLE—Fuller Bros. (Saw Mill)
VULCAN—*O. C. Lumber Co.
WALLOON LAKE—Walloon Lake Lumber Co.
WEIDMAN—Weidman, John S. (Saw Mill)
WATERS—Stephens Lumber Co.
WELLS—*Ford River Lumber Co. (Shingles, Lath, Poles, Posts, Ties, etc.)
*Stephenson, The I. Co. (Maple Flooring)
WHITEHALL — *Covell, Lyman T. (Lumber, Lath & Shingles)
*Nufer Cedar Co. (Lumber, Shingles & Tie Plate Boxes)
WOLVERINE—Guelph Patent Cask Co. (Veneer & Hopp Mfrs.)

MINNESOTA.

ADA—*Wild Rice Lumber Co.
AITKEN—*Gyde, E. A. (Staves & Hoops)
*Hodgsdon & McDonald (Saw Mill)
Knox, Geo. W. (Lumber)
ALBERT LEA—Minnesota Lumber Co.
ARLINGTON—*Schmoll & Hilleman
CLOQUET—*Cloquet Lumber Co. (White Pine Lumber & Saw Mills)
Cloquet Tie & Post Co.
*Johnson-Wentworth Co. (White Pine Lumber, Lath & Shingles, Saw Mills)
*Northern Lumber Co. (White Pine Lumber
DULUTH—*Duluth Log Co. (Wholesale Poles, Posts, etc.)
Duluth Lumber Co., 304 Garfield av
*Duncan, Brewer & Co. (Lumber), Lyceum bldg
*Heimbach Lumber Co., 20 E. Railroad
§Lesure Lumber Co., Providence bldg
§Martin, L. R. Lumber Co., 18 N 5th av (Cedar Posts, Poles, Ties, Lumber)
§Martin Bros. (Ties & Poles)
*Norton Lumber Co., Manhattan bldg
*Red Cliff Lumber Co. (Lumber, Lath & Shingle)
*Scott-Graff Lumber Co. (Lumber, Lath, Shingles, Pickets, Hardwood, Red & White Oak, Birch, Ash, etc.), 2402 W Mich.
*Swallow & Hopkins, Exchange bldg
*Virginia Lumber Co.
*Virginia & Rainy Lake Lumber Co.
*Woodruff Lumber Co.
FRAZEE—Nichols & Chisholm Lumber Co.
GRAND RAPIDS—*Knox, L. F. & Co.
HIBBING—Swan River Logging Co.
LITTLE FALLS—*Pine Tree Lumber Co. (White Pine & White Cedar Posts, Shingles, etc.)
MAYNARD—*Maynard Lumber Co.
MINNEAPOLIS—*Backus-Brooks Co. (White Pine), Andruss bldg
§Bailey, Wm. C. (Hardwood), 600 Central av
*Bovey-De Laittre Lumber Co., 3800 Washington av, N
*Bovey-Shute Lumber Co., Andruss bldg
*Bowman, S. H. Lumber Co., Lumber Exchange
Brooks-Scanlon Lumber Co., Security Bk bldg
§Burkholder Lumber Co., Lumber Exch
*Buswell Lumber & Mfg. Co., Lumber Exchange
*Carpenter-Lamb Co. (White Pine), Security Bk bldg
Carpenter, W. I. Lumber Co. (Red Cedar Shingles, Siding & Finish Spruce & Fir), Lumber Exchange
*Coolidge, Marshall H. Co. (Cedar Products), Guaranty bldg
§Curran, W. H. & Co., Lumber Exchange
Curtis & Yale Co. (Hardwood, Flooring, Basswood, Ceiling & Siding, Pine Dimensions, Shingles, etc.), Security B'k bldg
§Dolliff, L. P. & Co., Lumber Exchange
§Fullerton Lumber Co., Lumber Exchange
§Gull River Lumber Co., Lumber Exchange
*Itasca Lumber Co., 2800 Washin. N.
International Lumber Co., Andrus bldg
*Johnson, W. W. Lumber Co., Lumber Exchange
§Lewis, F. H. (Fir Timber & Idaho Cedar Poles), Lumber Exch
McCulloch, John Lumber Co., Andrus bldg
McMullin Lumber Co. (Wholesale Fir & Cedar Lumber), Lumber Exchange
*Mercer-De Laittre Lumber Co., Lumber Exch
*Minneapolis Cedar & Lumber Co. (Pine, Hemlock & Fir Lumber, Red & White Cedar Shingles, Cedar Posts & Poles), Lumber Exch
§Minneapolis Lumber Co., Lumber Exchange
*Mississippi River Lumber Co., 3201 N 2d
§Osborne & Clark (Hardwood), Lumber Exc
*Park Rapids Lumber Co., Lumber Exchange
*Partridge, T. M. Lumber Co., Lumber Ex.
*Pendleton & Gilkey, Security Bk bld
*Red River Lumber Co., 80, Hennepin av
*Shevlin-Carpenter Co. (White Pine Lumber, Lath & Shingles), 4th av North & the River)
*Smith, C. A. Lumber Co. (White Norway Pine Lumber & Box Shooks), 44th & Lyndale av
Smith, C. A. Timber Co., Andrus bldg
*Waite, H. B. Lumber Co. (Pine & Red Cedar Shingles)
ST. PAUL—§Edwards, W. C. Lumber Co., Manhattan bldg
Gribben Lumber Co., 104 E 7th
*Jefferson & Kasson (White Pine, Lumber & Cedar Shingles), Nat'l G. A. Bk. bldg
*Martin, John Lumber Co., 217 Como av
*Nolan, Francis A. (White Pine & Hardwood; also Lath & Shingles), New York Life bldg
*St. Croix River Lumber Co. (Planing Mill), 185 E Fairfield av
*Weyerhaeuser & Co. (White Pine) Nat'l G. A. Bk. bldg
STILLWATER—*St. Croix Lumber Co. (Saw Mill & Lumber)
*Tozer, David Co. (White Pine)
THIEF RIVER FALLS—*Thief River Falls Lumber Co.
VIRGINIA—*Bailey, W. T. Lumber Co. (Saw Mill)
WILLOW RIVER—*Atwood Lumber Co. (White Pine)
WINONA—*Balcom, H. C. Lumber Co. (Shingles)
*Empire Lumber Co. (White Pine, Lath & Shingles)

MISSISSIPPI.

BENTONIA—*Link, Newcomb Mill & Lumber Co (Hardwood)
BEVLEY—*Greene County Lumber Co.
BILOXI—*Biloxi Lumber Co.
BOGUE CHITTO—*Brister, B. F. Saw Mill Co. (L. Yellow Pine)
BOND—*North, J. E. Lumber Co. (L. L. Yellow Pine)

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BROOKHAVEN—*East Union Lumber & Mfg. Co. (Yellow Pine)
*Moreton & Helms Lumber Co. (Yellow Pine)
*Pearl River Lumber Co. (Yellow Pine)
BROOKLYN—*Griffin, W. C. Land Co. (Saw Mill)
CHATAWA—*Stevens, A. W. Lumber Co. (Yellow Pine)
CHICORA—*Robinson Land & Lumber Co. (Yellow Pine, Timber & Rift Flooring)
COLLINS—*Okatoma Saw Mill Co. (L. L. Yellow Pine, Bridge Timbers, etc.)
*Wood, W. C. Lumber Co. (Yellow Pine)
CORINTH—*Pocahontas Lumber Co.
*Seaman Stave Co.
*Small, W. E. (Spokes)
ELLISVILLE—*Anchor Saw Mill Co.
*Ellisville Lumber Co. (L. L. Yellow Pine, etc.)
EPPS—*Wilder, J. F. (Yellow Pine)
FERNWOOD—*Fernwood Lumber Co. (L. L. Yellow Pine)
GLADE—Glade Lumber Co. (Saw Mill)
GLOSTER—Robinson, W. L. Lumber Co. (Saw Mill)
GLOVER—*Knight, W. C. (Cypress, etc.)
GREENVILLE—Alexander Lumber Co.
GULFPORT—Holmes & Herrick Lumber Co. (Wholesale)
*Naylor, S. E. (Pitch Pine Lumber & Timber, Construction Materials & Hardwood Box Shooks)
HATTIESBURG—*Brookhaven Lumber & Mfg. Co. (Yellow Pine)
*Pole Stock Lumber Co.
Tatum Lumber Co. (Saw Mill)
*Yellow Pine Mfg. Co.
HAZLEHURST—*Hazlehurst Lumber Co. (Yellow Pine)
HOLLYWOOD—*Hunter, C. W. & Co. (Saw Mill, Lumber, etc.)
*Leavitt Lumber Co. (Hardwoods, Cypress)
ITTABENA—*Rucker Bros. (Saw Mill & Lumber)
JACKSON—*Burleighs, R. G. Sons, Ltd. (Staves)
*Empire Lumber & Mfg. Co. (Yellow Pine)
*Enochs Bros. (Yellow Pine)
KOLA—*Kola Lumber Co. (Yellow Pine)
LAKE—*Merrill & Co. (Saw Mill)
LAUREL—*Eastman, Gardiner & Co. (L. L. Yellow Pine)
*Lindsay, John
LELAND—Darnell-Love Lumber Co.
LOGTOWN—*Weston, H. Lumber Co. (L. L. Yellow Pine)
LUCEDALE—§Bostick, J. H. & Co.
*K. C. Lumber Co. (Yellow Pine)
LUMBERTON—*Camp & Hinton Co. (Yellow Pine)
*Hinton Bro. Lumber Co. (L. L. Yellow Pine)
*Pearson, J. C. Lumber Co. (Saw Mill)
LYMAN—Ingram-Day Lumber Co. (Saw Mill)
McCOMB—*White, J. J. Lumber Co. (L. L. Yellow Pine, Kiln Dried, Dressed Flooring)
MEEHAN JUNCTION—*Cotton State Lumber Co.
MERIDAN—*Grant, M. R. (L. L. Yellow Pine)
Gray, C. L. Lumber Co.
MERRILL—Dressler-Hammond Co. (Saw Mill)
MISH—*Pine Lumber Co. (Yellow Pine)
MINOT—*Hicks & Sons (Shingles, Lumber, etc.)
MOORHEAD—*Moorhead Mfg. Co. (Saw Mill)
MOSS POINT—*Dantsler, L. N. Lumber Co. (Yellow Pine & Rift Flooring)
*Denny, W. & Co. (L. L. Yellow Pine)
*McInnis, Nott & Co. (Saw Mill)
McIntosh Lumber Co.
MOUNT OLIVE—Blount Lumber Co. (Saw Mill)
*Cooley Bros. Lumber Co. (Saw Mill)
NATCHEZ—*Learned, R. F. (Cypress)
NORFIELD—*Butterfield Lumber Co. (Yellow Pine)
ORA—*Easterling Lumber Co. (Yellow Pine)
ORVISBURG—*Champion Lumber Co. (Yellow Pine. Mill Work & Timbers up to 60 ft. long)
PICKAYUNE—*Alliance Lumber Mfg. Co.
*Rosa Lumber Co. (Saw Mill)
PINEBUR—*Walworth & Neville Mfg. Co. (Yellow Pine)
PURVIS—*Hand, James (Saw Mill)
QUITMAN—*Mississippi Lumber Co. (Yellow Pine)
SANFORD—*Ship Island Lumber Co. (Yellow Pine)
SARDIS—*Carrier Lumber & Mfg. Co. (Hardwood Lumber & Bent Wood Work, Oak Flooring & Rotary Cut Veneers)
SCRANTON—*Farnsworth Lumber Co. (Yellow Pine)
SEMINARY—*Connor Lumber Co. (L. L. Yellow Pine)
TEN MILE—*Ten Mile Lumber Co. (Yellow Pine)
VICKSBURG—*§Houston Bros. (Hardwoods, Yellow Pine & Cypress)
WAYNESBORO—West-King Lumber Co. (Saw Mill)
Wetherbee-Huggins Co. (Yellow Pine)
YAZOO CITY—*Hicks Bros. (Saw Mill)

MISSOURI.

ANNAPOLIS—Benson, J. S.
BETHANY—*Miner & Frees
BLODGETT—*Cary Saw Mill Co.
BUTLER—Logan-Moore Lumber Co.
CAMPBELL—§Campbell Hoop & Lumber Co.
Garetson-Hilton Lumber Co.
CANTON—Canton Saw Mill Co. (Saw Mill)
CAPE GIRARDEAU—*Indiana Lumber Co.
*Leming, M. E. (Hardwood)
*Pott, F. W. (Staves, etc.)
CARUTHERSVILLE—Reynolds & Crews
*Riverside Lumber Co.
COFFEYBURG—§Crossan, Miner & Frees
DES ARC—*Graves, E. W.
DEXTER—Disher Hoop & Lumber Co.
DONIPHAN—Harmon, C. P. (Saw Mill)
EAST PRAIRIE—*Montgomery, Stit & Pool (Saw Mill)
FREDERICKTOWN—*Fredericktown Lumber Co. (Yellow Pine & Oak Lumber & Mfrs.' Wagon Hubs)
GIDEON—*Gideon Anderson Lumber & Mercantile Co. (Hardwood)
GLASGOW—*Rail Bros. (Hardwoods, Native)
GRANDIN—*Missouri Lumber & Mining Co. (Missouri Yellow Pine)
GREENVILLE—*Halliday-Klotz Land & Lumber Co. (Yellow Pine)
HARRIS—Durman, L. C. (Saw Mill)
HARVIELL—*Foster, S. W. (Staves & Headings)
*Mangold Stave & Lumber Co. (Lumber, Beer & Wine Casks, Staves & Headings)
KANSAS CITY—*American Sash & Door Co., 16th & Bellefontaine
*Anson Shingle & Lumber Co., 50 K. P. bldg
*Badger Lumber Co.
*Bowman-Hicks Lumber Co. (Yellow Pine)
*Buchanan, Wm. (Yellow Pine)
*Central Coal & Coke Co. (Yellow Pine)
*Chapman & Dewey Lumber Co.
Chatten, S. H.
*Connolly Hardwood Lumber Co. (Oak, Ash, Cypress, etc.)
*Dickason Goodman Lumber Co.
*Foster Lumber Co. (Yellow Pine), Dwight bldg
*Gloyd Lumber Co. (Yellow Pine, etc.)
§Hope, Geo. D. Lumber Co. (Yellow Pine)
*Leidigh & Havens Lumber Co. (Yellow
*Louisiana & Texas Lumber Co. Pine)
*Long-Bell Lumber Co. (Yellow Pine)
*Merrill & Co. (Hardwood)
*Missouri Lumber & Land Ex. Co. (Missouri Soft Pine)
*Missouri Tie & Timber Co.
*Norton Lumber Co. (Yellow Pine)
*Penrod Walnut & Veneer Co. (Black Walnut)
*Pickering, W. R. Lumber Co. (Yellow Pine), Mills, Pickering, La.
*Sabine Lumber Co. (Yellow Pine)
*Saline River Lumber Co.
*Stevenson-West Lumber Co. (Yellow Pine)
*Texas Lumber Co.
*Vernon Lumber Co.
KENNETT—*Kennett Cypress & Hardwood Lumber Co.
LEEPER—Geo., Clarkson (Saw Mill)
LOUISIANA—La Grosse Lumber Co.
MARQUAND—*Whitener, J. Q. D. Land & Lumber Co. (Saw Mill)
MOREHOUSE—*Himmelberger-Harrison Lumber Co. (Red Gum, White & Red Oak, Ash, Elm & Cypress, Rough, Dressed & Worked to Order)
NEELEYSVILLE—*Star Ranch & Land Co. (Hardwood)
NEW MADRID—*Loud, E. A. (Staves & Lum-
*Mann Grandfio Land & Lumber Co. ber)
Mishler Lumber Co (Saw Mill)
PACIFIC—Koppitz-Smith Mill Co.
POPLAR BLUFF—*Ferguson & Wheeler
*Hargrove & Ruth Lumber Co.
*Ruth, H. I.
PORTAGEVILLE—Haines, E. C. & Son (Lumber Saw & Planing Mill)
POTOSI—Smith, Chas. D. (Saw Mill)
ST. JOSEPH—Dougherty & Moss Lumber Co.
§Nold, C. H. Lumber Co.
§Ray, E. W. & Son
South Mo. Pine Lumber Co.
ST. LOUIS—*American Hardwood Lumber Co. (Oak, Poplar, Ash, etc.), N Market n Levee
*Bagnell Timber Co. (R. R. Ties), 706 Chestnut
§Banner Lumber Co., S Newstead & Duncan av
*Bennett, Alf Lumber Co. (Yellow Pine), Wright bldg
§Berthold & Jennings (Long Leaf Yellow Pine, Oak & Cypress Lumber, Bridge Timbers, Piling & Telegraph Poles), 701 Olive
Boynton Land & Lumber Co., 319 N 4th
*Buchanan, Wm. (Yellow Pine), 706 Chestnut
*Chicago Mill & Lumber Co. (Yellow Pine, Oak & Cypress, Hemlock & Gum Lumber & Cedar, White Oak & Black Locust Poles, Posts & Pilings, Red Cedar, Cypress & White Pine Shingles, White Pine, Cypress Yellow Pine Lath), 122 N 7th
§Chivvis, W. R. (Hardwood), Lesperance & Iron Mtn Ry
*Columbia Lumber Co. (Yellow Pine), Equitable bldg
*Dixie Lumber Co. (Yellow Pine), Wright bldg
§Druhe Hardwood Lumber Co. (Hard Wood), c Main & Clinton
*Ferguson-McDaris Lumber Co. (Yellow Pine), 721 Olive
*Ferguson, W. T. Lumber Co. (Yellow Pine), 205 N 8th
*Freeman-Smith Lumber Co. (Yellow Pine), 7th c Pine
*Frost-Trigg Lumber Co. (Yellow Pine, either Straight or Mixed Cars), Equitable bldg
*Garrett, T. H. Lumber Co. (Yellow Pine, Saw & Planing Mills), Chemical bldg
*Greyson-McLeod Lumber Co. (Yellow Pine), 205 N 8th
§Griffen, Geo. M. Lumber Co. (Oak & Cypress Piling, Telephone Poles, Railroad Materials, etc.), Oriel bldg
§Gruner, Philip & Bro., Lumber Co., Cass av c 9th
§Hafner Mfg. Co. (Cypress, Hardwoods, Yellow Pine), ft Dock
*Harris, Loyd G. Mfg. Co. (Hardwood), Levee nr Barton
§Hearne Timber Co., Mermod & Jaccard bldg
*Holmes, J. A. Lumber Co. (Michigan Lumber, White & Yellow Pine Flooring, Siding, Shingles, Lath, etc.; Poplar, Cherry, Ash, Walnut & Mahogany, Car & Bridge Timber Specialties), 1104 Spruce
§Hule-Hodge Lumber Co., 122 N 7th
*Kimball Lumber Mfg. Co. (Cypress & Oak), Equitable bldg
*Liebke, C. F. Hardwood Mtls & Lumber Co., 2d & Buchanan
*Little Lumber Co. (Southern Hardwoods, Red Gum a Specialty)
*Lothman Cypress Co. (Louisiana Cypress), foot of Angelica
*Luehrmann, Chas. F. Hardwood Lumber Co. (Oak, Ash, Poplar, Cypress, Cottonwood, Yellow Pine, Walnut, Maple, Hickory, Cherry, Sycamore, Gum & Wagon Stock), 148 Carroll
*Malvern Lumber Co. (Yellow Pine), Chemical bldg
§Massengale Lumber Co. (Hardwood), 2500 N Main
*Mechanics' Planing Mill Co. (Cypress), 3742 N B'way
*Miles, Geo. W. Timber & Lumber Co. (Yellow Pine), Fullerton bldg
*Monarch Lumber Co. (Yellow Pine), Wright bldg
*O'Neil Lumber Co., B'way c Gratiot
*Ozan Lumber Co., Equitable bldg
*Ozark Cooperage Lumber Co., Liggett bldg
§Plummer Lumber Co. (Hardwoods, Cypress Shingles), 3130 Hall
Richardson, J. P. & W. H. (Lumber Commission), 122 N 7th
*Saginaw Lumber Co., 205 N 8th
§Smith, F. H. Co. (Oak, Ash, Poplar, etc.), Commercial bldg
§Steele & Hibbard (Hardwood), 3129 N B'way
*Summit Lumber Co. (Yellow Pine), Wright bldg
§Thomas & Proetz Lumber Co., 3400 Hall
*Werner, Louis Saw Mill Co. (Oak, Ash, Poplar, Gum, Short & L. L. Yellow Pine, Cypress & Cottonwood), 122 N 7th
*Western Tie & Lumber Co., 313 N 9th
*Wilson-Reheis-Rolfes Lumber Co. (Yellow Pine), Main & Bremen av
SMITHVILLE—§Major, H. R. & Co.
SPICKARD—Kincade, Cal.
SPRINGFIELD—*Dunckel Box & Lumber Co.
Hobart-Lee Tie Co. (R. R. Timbers)
Hudson Lumber Co. (Saw Mill)
TYLER—*Tyler Land & Timber Co.
UNION—Vitt, A. A. & Co. (Saw Mill)
WAYNESVILLE—Kerr, W. C. & Sons (Saw Mills)
WINONA—*Ozark Land & Lumber Co. (Mo. Soft Pine)

MONTANA.

BONNER—*Big Blackfoot Milling Co. (Car & Bridge Timbers, etc.)

NEBRASKA.

HASTINGS—§Hansen Lumber Co.
§Oliver Lumber Co.
KEARNEY—*Gilcrest, F. H. Lumber Co.

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LINCOLN—§Dunn & Kincaide Lumber Co.
*Foster, S. A., Lumber Co.
OMAHA—§Baker, J. L.
§Bradford-Kennedy Co., 309 S 13th
§Bullard, Hoagland & Benedict (Hardwood)
§Cady, H. F. Lumber Co., Douglas c 6th
§Chicago Lumber Co. (Mo. Soft Pine), 814 S 14th
§Dietz, C. N. Lumber Co. (Hardwood), 1214 Farnam
§Dodds Lumber Co., 407 Brown blk
§Gulon & Ledwich, 1204 N 18th
§Hampton Lumber Co. (Hardwood), 1242 S 16th
§Hoagland, G. A., 9th c Douglas
§McShane Lumber Co., First National Bank bldg
Omaha Hardwood Lumber Co. (Hardwood), California & 18th
§Walrath & Sherwood Lumber Co., Mer. National Bank bldg
§Wentworth, Lew, 618 Paxton blk
SOUTH OMAHA—§Bradford, Louis Lumber Co.
§Watkins, J. B. & Co.

NEW HAMPSHIRE.

ALEXANDRIA—Patten, S. G. (Saw Mill)
ALSTEAD—Clark, F. W. (Saw Mill)
AMHERST—Fuller, Lemuel (Saw Mill)
Hartahorn, Frank (Saw Mill)
ANTRIM—Holt, Chas. F. (Saw Mill)
Poor, M. D. (Saw Mill)
ASHUELOT—*Dickinson's, Ansel Sons (Saw Mill)
AUBURN—Pingree, A. W. (Saw Mill)
BARNSTEAD—Drake Bros. (Saw Mill)
BATH—Ammanoosuc Lumber Co. (Saw Mill)
BEDFORD—Holbrook, F. G. (Saw Mill)
BELMONT—Phelps, George A. (Saw Mill)
Weeks, Jas. H. (Saw Mill)
BENIS—*Morey, Chas. H.
BERLIN—Fernald-Woodward Co.
BRADFORD—*Peaslee, D. G. (Saw & Shingle Mill)
BRENTWOOD—Flanders, Chas. (Shingles)
CHESTER—Dale Bros. (Shingle Mills)
Goldsmith, N. W. (Shingles)
Morse, Augustus P. (Saw Mill)
CONWAY—*Kennett, A. C.
*Quint, L. C. & H. A.
CRYSTAL—*Jackson, And'w
DOVER—*Faxon & Kimball
*Rollins & Foss
Seavey, J. F. Lumber Co. (Dealers)
DUBLIN—Knight, C. F. & Son (Saw Mill & Shingles)
DUNBARTON—Page, W. F. (Saw Mill)
EAST ROCHESTER—*Tibbets & Hayes
EAST SULLIVAN—Harris, W. H. (Saw Mill)
EXETER—Dow, Albert N.
FARMINGTON—*Jenness Bros.
GILSUM—*Dart, Samuel W.
GORHAM—*Libby, E. & Sons.
*Mainstream Lumber Co.
GRANTHAM—Burpee, M. P. (Saw Mill)
Reed & Buswell (Saw Mill)
GREENLAND—Brackett, S. S. (Saw Mill)
HAMPTON—Brown, F. B. (Saw Mill)
HOLLIS—Hayden Bros. (Saw Mill)
Tarbell, E. E. (Saw Mill)
HOOKSET—*Head, W. F. & Son (Lumber & Saw Mill)
*Thompson, James
JEFFERSON—*Rines, Mark
LACONIA—*Cook's Lumber Co. (Staves, Exterior & Interior Finish, Dimension Spruce, Pine & Hemlock, Shingles, Laths, etc.)
LEBANON—Flanders, L. C. (Saw Mill)
LEE—Fifield, E. O. (Saw Mill)
Plummer, Daniel E. (Lumber)
LINCOLN—*Henry, Jas. E. & Sons
LISBON—Conrad, Edward J. (Saw Mill)
Noyes, F. B. Co. (Saw Mill)
*Parker & Young Co. (Piano Stock, Packing Boxes & Lumber)
MANCHESTER—West Side Lumber Co., 168 S Main
MARLOW—Gee, G. F. (Saw & Shingle Mill)
Jefts, C. P. (Shingle Mill)
MILFORD—Gutterson & Burtt (Saw Mill)
*Peirce, W. E. & Co. (Lumber, Lath, Shingles, Posts, Mill Work, Finish, etc.)
Ware, W. H. & Co. (Saw Mill)
NASHUA—Cook, F. D. Lumber Co.
*Roby & Swart (Box Shooks, Boxes, etc.)
Tolles, J. H. & Co.
NEW MARKET—Glidden, Guy A. (Saw Mill)
NEWPORT—Pollard, Ralph S. (Saw Mill)
PARKHILL—Goodnow, E. J. (Saw Mill)
PELHAM—Coleman, J. N. & Son (Saw Mill)
Jones, H. A. (Saw Mill)
PERCY—*Percy Lumber Co.
RAYMOND—Batchelder, H. W. (Saw Mill)
REED'S FERRY—*Parker, E. E. & P.
RICHMOND—*Amidon, Frank
ROCHESTER—Felker Bros. (Lumber & Saw Mill)
*Langley, Geo. H. Lumber Co.
Rochester Lumber Co. (Mfrs.)
RUMNEY DEPOT—*Herbert, H. W. (Shingles)
RYE BEACH—Jenness, C. A. (Saw Mill)
SALEM—McLaughlin, K. (Saw Mill)
SALISBURY—Holmes, C. C. (Saw Mill)
SANDOWN—Sanborn, A. S. (Saw Mill)
SHORT FALLS—Tripp & Tennant (Saw Mill)
SOUTH CHARLESTOWN—*Bowen, G. G.
SOUTH KINGSTON—Bartlett, W. S. (Saw Mill)
SOUTH TAMWORTH—*Mason, W. N.
STRATFORD—*Dennis, D. H.
*Kimball, William H.
SUNAPEE—Rowell, J. W. (Saw Mill)
SURRY—Scripture, H. N. (Saw Mill)
SUTTON—*Wadleigh & Keyser (Saw Mill)
TILTON—Knapp, Geo. E. (Saw Mill)
UNION—Farnham, J. F. (Saw Mill)
Plummer, Geo. L. (Saw Mill)
WALPOLE—Colburn Bros. (Saw Mill)
WARNER—*Carroll, E. H. & Sons.
*Davis, Martin & Co.
Ela, M. T. (Saw Mill)
WARREN—Park, W. R. (Lbr. & Saw Mill)
WASHINGTON—Dole, M. H. (Saw Mill)
WATER VILLAGE—*Thompson, S. J. & Son
WEBSTER—Burbank Bros. (Lumber & Boxes)
WEST BRENTWOOD—Fellows, Russell (Saw Mill)
WEST CAMPTON—Moulton & Johnson (Saw Mill)
WEST CHESTERFIELD—Amidon, G. F. (Saw Mill)
WEST EPPING—Folsom, Thos. C. (Saw Mill)
True & Ham (Shingle Mill)
WEST THORNTON—*Veasey, W. D. & Co.
WESTVILLE—Peaslee, E. E. (Saw Mill)
WILTON—Livermore, Hy. H. (Saw Mill)
WINCHESTER—*Jennings & Buffum
!Naramore, Edgar H. (Lumber & Pail Staves)
WINDHAM DEPOT—Seavy, Geo. E. (Saw Mill)

NEW JERSEY.

ASBURY PARK—Hurley, James B. (Saw Mill)
CAMDEN—*Baird, David & Co. (Lumber & Saw Mill)
Coles, C. B. & Sons Co. (Saw Mill)
§Humphreys, H. & Co.
§Munger & Bennett (N. C. Pine)
§Scudder, R. G. & Son
§Smith, R. F. & Son
§Stockham, Chas. Lumber Co. (Saw Mill)
JERSEY CITY—§Baldwin Lumber Co., Garfield
§Dodge & Bliss Co., 15th av & Grand
§Vanderbeek & Sons, Green & Steuben
§Woodstock Co. (Pine, Cypress & Hardwood), 467 Spring
NEWARK—§Bailey & Alling, Ogden ft. Clay
§Bockhoven Bros. Co., 132 Astor
§Brohm & Buhl, 202 Badger av
§Clark & Co. (White & N. C. Pine), Jelliff
§Collier, Eusebius, 494 Broad ave
§Crowell, James (Hardwood), Ogden ft Cross
Essex Lumber Co., 200 Passaic
Glasby, J. F. Lumber Co., 5 Badger av
Jones, Wm. A. & Son (Saw & Planing Mill, Pine, Hardwood, etc.), ft Centre
§Murphey-Hardy Lumber Co. (Lumber & Planing Mill), 150 Passaic
§Oathout, Wm. J., 443 Broad
§Ripley, D. & Sons Lumber & Timber Co. (Saw & Planing Mill & all kinds of Lumber & Timber, Mouldings, Trimmings, etc.), 443 Broad
§Stone & Hershey, 800 Broad
PATERSON—§Stiles, E. M., 223 Ellison
ROCKAWAY—Stickle, B. K. & G. W.

NEW MEXICO.

ALAMOGORDO—*Alamogordo Lumber Co. (Spruce & Pine Lumber)
ALBUQUERQUE—*Albuquerque Lumber Co.
§Baldridge, J. C.
*Crescent Lumber Co.
§Rio Grande Material & Lumber Co.
CHILLI—Romero, E. & Son (Saw Mill)
MAGDALENA—Hughes, W. H. (Saw Mill)
PINOS ALTOS—Redstone Co. (Saw Mill)
RATON—§Gate City Lumber Co.
ROSWELL—*Pecos Valley Lumber Co.

NEW YORK.

AFTON—Church Bros. (Saw Mill)
ALBANY—§Arnold & Co., 6 Lumber District
Bennett, Wm. (Planing Mill), 1 Lumber District
§Crannell, Francis F., Ferry & Water
§Easton Cypress Co., 4 Lumber District
§Eaton, W. J., DeGraff bldg
Hart & Fleet (Planing Mill), Bridge c Mill
§Hubbell, C. T. & Co., 3 Lumber District
§Hughson & Co., 1 Lumber District
§Hunter, Dexter, Water & Lawrence
§Kibbee, A. S. & Son, 24 Lumber District
§Moore, R. H. & Zimmerman, 438 S Pearl
§Nichols, Chas. B. & Son, 14 Lumber District
§Patton & Co., 23 Lumber District
Ramsdill & Co. (Planing Mill), Colonie & Montgomery
§Robinson, John & Co., 116 Water
Taaffe's William Sons, 128 Water
Thomson, L. & Co. (Pine, Spruce & Hemlock), 14 Lumber District
Welsh & Gray, 70 4th av
§White, Richard P. (Pine, Spruce & Hemlock), 44 N Pearl
ALDEN—Milliman, E. A. (Saw Mill)
ALTMAR—Horton Lumber Co.
ALTON—Burns, Samuel T. (Saw Mill)
BARKERSVILLE—Mattison, George
BATH—*Jones Bros. & Parker (Lumber)
BENNINGTON—Zehler, M. F. (Saw Mill)
BERNE—Cheesebro, W. T. (Saw Mill)
BINGHAMTON—*Alaculsey Lumber Co.
§Ensign Lumber Co.
*Middlebrook, C. D. & Son, State & Lewis
§Lyons, A. J. Sons, 16 South
*Weed, J. B. & Co.
BLEECKER—Ernst, Frank (Saw Mill)
*Peters, John M., Jr. (Saw Mill)
BLOCKVILLE—Green Bros. (Saw Mill)
BOYNTONVILLE—Kantz, Chas. (Saw Mill)
BRANT—Calkins, Milford (Saw Mill)
BRASHER FALLS—Church, Elmon (Saw Mill)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—§Bartholomew, Edw. W. Lumber Co., Prudential bldg
§Betts, Chas. M. & Co. (Pine, Cypress & Shingles), Hertel av & Niagara River
*Beyer, Knox & Co. (Hardwood), 69 Leroy av
*Boller, Chas. & Sons Co. (Planing Mill), Chicago c Carroll
*Buffalo Hardwood Lumber Co. (Hardwood), 940 Seneca
*Buffalo Maple Flooring Co. (Maple & Oak Flooring), Chicago & Mackinaw
§Curtis, Walter L. Prudential bldg
*Ellas G. & Bro. (Pine, Hemlock & Hardwood Flooring, 965 Elk
*Empire Lumber Co. (Hardwood), White bldg
*Emporium Lumber Co. (Hardwood), Ellicott sq
*Goodyear Lumber Co. (Penna. White Hemlock), 960 Ellicott sq
§Haines Lumber Co. (Shingles, Pine, Red Cedar Lumber), 255 Erie
Havenstein, Alfred G. (White & Norway Pine), 948 Ellicott sq
§Hurd Bros. (Lath, Shingles & Timber), Prudential bldg
§Laidlaw, R. Lumber Co. (White Pine Lumber, Lath & Shingles), 59 Miami
§Laycock Lumber Co. 706 Ellicott sq
*Leslie, D. Y., 92 River
§McLean, Hugh Lumber Co. (Hardwood & Veneers), 940 Elk
*McNeil Lumber Co., Prudential bldg
§Mason, Edward Z., D. S. Morgan bldg
*Miller, Anthony (Hardwood), Eagle & Fillmore
§Mixer & Co. (Mich. White Pine), Prudential bldg
*Montgomery Bros. & Co. (Yellow Pine & Hardwood), Court & Wilkeson
§Reilly, W. W. & Bro., Brisbane bldg
§Scatchard & Son (Hardwood), 886 Ellicott sq
*Standard Hardwood Lumber Co., 1075 Clinton
*Stewart, I. N. & Bro. (Hardwood), 892 Elk
Sullivan, T. & Co. (Hardwood; specialty, Ash & Elm), 50 Arthur
Superior Veneer & Cooperage Co. (Saw Mill, Cooperage & Veneer Mill)
§Taylor & Crate (Hardwood), Prudential bldg
*Tindale & Jackson (Hardwood, Lumber, Slack Cooperage, Stock & Broom Handles, etc.), 1318 Niagara
§Underbill, D., Jr., & Co., Erie Co. Bk. bldg
§Wheeler-Holden & Co. (Hardwood, Erie Co. Bank bldg
*Yeager, Orson E. (Hardwood), 932 Elk
BURRS MILLS—Manigold, George
BUTLER CENTER—Merrill, Willis
CALLICOON—Herman, Martin (Saw Mill)
CANANDAIGUA—Garrett, Wm. (Saw Mill)
CANDOR—Booth, J. F. & T. S. (Saw Mill)
Ryan, John H. (Saw Mill)
CANTON—*Spears, James (Lumber)
CARLISLE—Brown Bros. (Saw Mill)
CASSVILLE—Carpenter, W. H. & Son (Saw Mill)
CASTORLAND—*Basselin, T. B. (Saw Mill)
CASTILE—Elitsac Mfg. Co. (Planing Mill, Wooden Toys & Novelties)
CATSKILL—Post, Amos (Saw Mill)
CENTRAL BRIDGE—Ottman, M. C. (Saw Mill)
CENTRALIA—Littlefield, Sidney (Saw & Shingle Mill)
CHARLOTTE—*Upton Co.
CHENINGO—Hollister & Bryant (Saw Mill)
CHERRY CREEK—Hess, C. E. (Planing Mill)
CHESTERTOWN—Maxim, Lemuel (Saw Mill)
CLARKSBURG—Smith, J. H. (Saw Mill)
CLYMER—*Dewink Bros. (Shingle Mill & Baskets)

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*Parker, Aaron H. Lumber Co. (Planing Mill, etc.)
CROGHAN—*Lafave, J. R. Lumber Co. (Hardwoods)
*Lafave, J. R. Lumber Co. (Hardwoods)
Steiner, Jos. (Saw Mill)
CUBA—*Phelps & Sibley (Hardwood, Lumber & Shingles)
*Rowley, William Co. (Shingle Mill)
CUTTING—*Case, H. R. (Lumber, Shingles, etc.)
DALTON—Van Nostrand, Wm. (Shingle Mill)
ELLICOTTVILLE—Ellicottville Milling Co. (Saw Rust & Oils (Saw Mill)
ELMIRA—*Doane & Jones Lumber Co. (Car Trade a Specialty)
FREDONIA—Kruse, Frederick
GALLUPVILLE—Haverly, Elam W. (Saw Mill)
GARFIELD—Atwater, W. H. (Saw Mill)
GLENS FALLS—*Fluch, Pruyn & Co.
Gifford, Williams & Co.
*Kendrick & Brown Co
GLOVERSVILLE—§Burr Bros. (Lumber & Saw
*Holden Lumber Co. (Lumber) Mills)
Peck, Albert T. (Saw Mill)
HAGEDORNS MILLS—Chase, Stephen (Saw Mill)
HARRISVILLE—*Humes & Wilber (Lumber, Kilbourn, R. A. Shingles, Lath, etc.)
Kimball, C. H. & Son
HERMON—Fairbanks, R. J. (Saw Mill)
HOLLAND—Griggs, Ichabod N. & Son (Saw
HOMER—Brown, C. S. Mill)
JAMESTOWN—§Ross-Warren Lumber Co. (Hardwood)
MARATHON—Burgess, Jas. S. (Saw Mill)
MARIAVILLE—Walpole, D. W. (Saw Mill)
MARYLAND—Burnside Bros. (Saw Mill)
MEXICO—Ames, J. K. (Saw Mill)
MIDDLE GROVE—Colburn, Wilfrid
MIDDLEPORT—Rowley & Eddy
MIDDLETOWN—§Gordon Lumber Co.
Miller, P. F.
MILLERS MILLS—Grosline, W. D. (Saw Mill)
MONSEY—Requa, Sara (Lumber)
NEWBURGH—§Newburgh Lumber Co.
*Newburgh Planing Mill Co.
NEW HAMBURG—*Millard Lumber Co. (White Pine, N. Y. Spruce, Pa. Hemlock & Box Shooks)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—§Brooklyn Lumber Co. (Timbers), 452 Hamilton av
Bossert, Louis & Son, Grand nr Newtown Creek
§Curtis Bros. Lumber Co., Liberty av c Vesta av
§Ferguson & Clarke, 517 Flushing av
§Gowanus Lumber Co. (Pine & Hardwood), ft of 24th
§Halsted Lumber Co., 222 Nevins
§Jacobson, A. C. & Sons, 81 Bridge
§Leary, James D. (Firm Name), Timbers), Provost nr Eagle
§Orr, Jno. C. & Co., West c Java
§Wilson, C. W. & Co. (Yellow Pine, Timbers, etc.), West c Kent

Boroughs of Manhattan & Bronx.

NEW YORK—§American Lumber Co. (Hardwood, Lumber & Timber), 32 Cortlandt
*Atlantic Coast Lumber Corp., 42 B'way
§Baxter, G. S. & Co. (Ties, Piling, Railroad Lumber, etc.), 17 William
§Booth & Lewis Lumber Co. (Southern Pine), 18 B'way
§Burton, J. H. & Co. (N. C. & Yellow Pine, Rift, Flooring & Cypress), 45 B'way
Cannon, J. H. & Co. (N. C. & Yellow Pine), 66 Beaver
*Cape Henry Lumber (Hardwood), 1 Madison av
§Cathcart, Jno. Lumber Co. (Hardwood), 39 Cortlandt
§Chase, Talbot & Co., 29 B'way
§Cole, Fredk. W. (Hardwood & N. C. White Pine), 29 B'way
*Cooney, Eckstein & Co. (Yellow Pine, Lumber & R. R. Ties), 66 Broad
§Creed, W. R. & Co. (L.-L. Yellow Pine), 1 Madison av
§Crombie, W. M. & Co. (for Export & Domestic Trade), 81 New
§Delatour, A. J. (Hardwood), 176 Cherry
§Eppinger & Russell Co. (Yellow Pine), 165 B'way
§Export Lumber Co., 15 William
Green, A. H. (Box Shooks, etc.), 97 Warren
*Herrmann, H. Lumber Co., 234 Canal
§Hilton & Dodge Lumber Co. (Cypress), 17 Battery pl
§Hirschberg, H. (Pine, Cypress & Hardwood), 99 Nassau
*Holcomb & Caskey Lumber Co. (Pine, Hemlock & Cypress, Lumber & Shingles), 10 B'way
§Hussey, Jno. W. (Bridge & Dock Timber, etc.), 1 B'way
Lafond, Fred'k S. Co., 66 Broad
§Langdon, C. S. & Co., 71 Beaver
§Lewis, Harry I., Cotton Exch bldg
§Lowry, Robt. C. & Co. (Yellow Pine & Box Shooks), 1170 B'way
§McDonald, Jno. W., 106 Wall
§Manning, Chas. W., 68 Broad
§Miner, Stanley H. (Timber, Piles, Dock Logs, etc.), 17 Battery Pl
§Murchie, Horace B. & Co., 58 Pine
§Parrott, Wm. & Co., Produce Exch
*Pitch Pine Lumber Co., 11 William
§Price & Hart (Hardwood & Veneers), 18 B'way
*Publishers Paper Co. (Hardwoods, Veneers, etc.), 1 Madison av
§Quinby, Edgar H., 68 Broad
§Reynolds, J. A. & Bros., 116 Broad
*Roper, John L. Lumber Co. (N. C. Pine), 18 B'way
Salmon, Hamilton H. & Co. (Hardwood), 88 Wall
§Shepard & Morse Lumber Co. (Cypress, N. C. Pine, etc.), 18 B'way
§Simpson, Clapp & Co., 17 State
§Sizer, Robert B. & Co. (Yellow Pine), 15 William
§Smith, Gouverneur E. & Co., 17 Battery Pl
§Southard & Co. (N. C. Pine), 11 Broadway
§Stratton & Wilson, 11 B'way
Swayze, Geo. A., 18 B'way
§Turner, J. C. Lumber Co. (White Pine, Rd Cedar, Cypress & Poplar), 1123 B'way
Wiley-Harker Lumber Co., Flat Iron bldg
*Williams, I. T. & Sons, 220 11th av
*Yellow Pine Co. (White & Yellow Pine, Spruce & Hemlock), 16 Beaver

Borough of Queens.

LONG ISLAND CITY—Eppinger & Russell Co. (Yellow Pine), 1st & East av.

(End of New York City)

NORTH TONAWANDA—(See Tonawanda)
OGDENSBURG—*Proctor Mfg. Co. (Lumber & Mill Work)
*Skillings, Whitney & Barnes Lumber Co. (White Pine)
ONEIDA—*Bennett & Klock (Saw Mill)
PARISHVILLE—Clark, S. L. & Son (Lumber, Butter Tubs, etc.)
PARKERS—*Parker, L. B. (Spruce & Hardwood Flooring)
PERRY—Andrus, David (Saw Mill)
PIFFARD—Shattuck, T. N. (Heading & Staves)
PIKE—Powers, Wm. (Saw Mill)
PITCHER—Bennett, Geo. W. (Saw Mill)
POINT ROCK—Bates, Orson C.
PORTER CORNERS—Jones, John S. (Saw Mill
RANDOLPH—Wilson, Lydell L.
ROCHESTER—§German-American Lumber Co., 62 Portland av
§Hollister Lumber Co. (Hardwood & Pine), 316 N. Goodman
§Miller, John (White Oak & Pine), 691 Exchange
§Morse, Wm. B. Lumber Co. (Hardwoods, Pine & Hemlock, Shingles, etc.)

WOOD MOSAIC FLOORING CO.
(Hardwood Lumber & Oak Flooring), (See adv. index, end of book)

ROME—Comstock, Edward
ROUSE POINT—*Millard Lumber Co. (Lumber & Box Shooks, Pine, Spruce & Hemlock)
SAMMONSVILLE—Sammons, W. S. (Saw Mill)
SANDY HILL—*Griffin Lumber Co.
*Kenyon Lumber Co. (Lath, Saw Mill, etc.)
SCHENECTADY—Peckham, Wolf & Co.
Veeder & Brown
SHERMAN—Simmons, J. H. (Shingle Mill)
SIDNEY—§Silver, M. L. & Co. (Pine, Spruce & Cypress)
SOLSVILLE—Lyon's Mills (Saw Mills)
SOUTH STOCKTON—Wakeman, Frank (Saw Mill)
SPRINGBROOK—Northrup, Eli (Saw Mill)
SYRACUSE—§Bannon Lumber Co.
§Chapman's, E. E. Sons, 1322 Carbon
§Kenyon, Geo. G. Lumber Co. (Hardwood, Shingles, etc.), 601 E Watts
§McChesney & Tracy Lumber Co. (Pine & Hemlock, Shingles, etc.), 607 James
§McDowell, John Kenyon, 211 Wilkinson
§Mann & Hunter Co., 962 Salina
TONAWANDA—*Alliger, Frank L. Lumber Co. (Lumber, Box Shooks & Baled Shavings)
†Bellinger, A. A.
§Brady Bros.
*Charlton, John & Thos. (Timber, Lumber & Planing Mill)
§Collins Cornelius (Wholesale Commission)
§Cowper, W. H. & Co. (Forwarders via Rail & Canal)
Dodge & Bliss Co. (Box Shooks & Planing Mill) (Also see Jersey City, N. J.)
Eastern Lumber Co. (Mill Work)
§Fenton & Sons Box & Lumber Co.
§Gillespie, Jas. (Wholesale Commission)
§Godkin, John
*Hoadley & Bennett Lumber Co. (Yellow
§Jones, R. T. Lumber Co. Pine, etc.)
*Kelsey-Dennis Lumber Co.
§Kelsey, W. E.
§Lentz, C. B.
§McLean Bros. (Wholesale Lumber)
§Mackenzie, J. P. (Wholesale Lumber
§McBurney, J. A. Lumber Co.
§Northern Lumber Co.
§Ollie & McKean Lumber Co. (Wholesale Lumber)
§Robinson Bros. Lumber Co. (White Pine Lumber & Shingles)
§Silverthorne, Wm. & Co. (Lumber & Shin-
§Smith, Fassett & Co. (White Pine gles)
§Smith, M. M. (Wholesale Commission)
§Swan, Lewis H. & Co.
*Thompson, Hubman & Fisher (Lumber & Planing Mills)
§Transfer Lumber & Shingle Co.
§Twin City Lumber Co.
§Weston, A. & Son
§White, Frost & White
*White, Gratwick & Mitchell (Lumber
§White, W. H. & Co. Planing Mills)
§Wilk, C. J. & Co.
§Wilson Lumber & Box Co.
TROY—*Madden Lumber Co. (Lumber & Planing Mill), 599 1st av (Lans.)
UNION CENTER—Howard, B. (Saw Mill)
UTICA—Downer's Lumber Yard, 280 Whites-
Gibson, G. P. & Son, 720 Genesee bore
§Kellogg, C. C. & Sons Co.
§Nellis, Amos & Swift (Hardwood)
Thomas', Philip Sons, 137 Kemble
WATERTOWN—§Harroun, J. E. & Son (Spruce Flooring Siding Lath, Shingles & Box Shooks)
WATERVLIET—§Waterman, Smith A.
WARWICK—Horton, M. V. B. (Saw Mill)
WEBSTER CROSSING—White, Charles H. (Saw Mill)
WELLS—*Hosley, M. B. & Sons (Hardwoods)
WELLSVILLE—*Coats Mfg. Co. (Hardwood)
*Duke Oak Lumber Co. (Lumber, Timber & Shingles)
*Fassett, Fred. W. (Lumber)
Hanks & Hopkins
WEST BURLINGTON—Gardner, O. C. (Saw Mill)
WEST ONEONTA—Rouse, Albert (Saw Mill)
WEST STOCKHOLM—Gibson, G. N. & Son
WEST WINFIELD—Hackley, A. C. (Saw Mill)
WHITESBORO—*Denton & Waterbury (Lumber, Lath & Shingles)
WILLIAMSTOWN—Sage, J. L.
WILLSBORO—Highby, H. Co. (Saw Mill)
WOLCOTT—§Strait, J. G. & Son (Lumber)
WORCESTER—Hadsell, J. T. & Son (Saw Mill)

NORTH CAROLINA.

ABERDEEN—Aberdeen Sash & Blind Co.
ALLIANCE—Campen, Samuel (Saw Mill)
ALMA—*Alma Lumber Co.
AMITY—Christy, M. A. (Saw Mill)
ANDREWS—Russell, D. S. (Saw Mill)
ASHBORO—*Star Lumber & Mfg. Co. (Saw
ASHEVILLE—§Cooper, W. N. Mill)
McEwen Lumber Co.
Mason, W. T. Lumber Co.
ATKINSON—Murphy, J. A. (Saw Mill)
Hawes, E. A. (Saw Mill)
AUSTIN—Burchett, C. M. (Saw Mill)
BISCOE—Burt & Hicks
Kanoy, J. F.
BOARDMAN—*Butters Lumber Co. (N. C. Pine)
BOLTON—Waccamaw Lumber Co. (Cypress, N. C. Pine, Cedar & Gum, Lumber, Lath & Shingles)
BRIDGEWATER—Albernethy & Lyerly (Saw Mill)
CANDOR—*Ewing & Campbell (Saw Mill &
*Sutton, R. B. (Lumber) Shingles)
CARTHAGE—Currie & McQueen (Saw Mill)
McAuley, J. R. (Saw Mill)
CATES—Cates, J. T. (Saw Mill)
CHARLOTTE—Wearn, J. H. & Co. (Lumber & Mfrs. Office Fixtures)
DOVER—*Goldsboro Lumber Co. (Yellow Pine Flooring & Finish)
EDENTON—*Branning Mfg. Co. (N. C. Pine & Box Shooks)
ELIZABETH CITY—Commander, T. A. & Son
GREENSBORO—*Brooks Mfg. Co.
*Gulford Lumber Mfg. Co.
GREENVILLE—Overton, D. D. (Saw Mill)
HERTFORD—Major & Loomis (Saw Mill)
HICKORY—Hutton & Bourbonnais (Saw Mill)
HIGHPOINT—*Snow Lumber Co.

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HOT SPRINGS—Updegraff, S. G.
LENOIR—*Wilson Lumber & Milling Co.
LUMBER BRIDGE—Lancaster, D. B. & Co.
MADISON—Cahill, E. P. (Saw Mill)
MANCHESTER—Black, Neill
MAPLETON—Carmen, Geo. E. (Saw Mill)
NEWBERN—*Blades Lumber Co. (N. C. Pine & Saw Mill)
*Broaddus & Ives Lbr. Co. (N. C. Kiln Dried Pine Shingles, etc.)
Elm City Lbr. Co. (Saw & Planing Mill)
*Munger & Bennett
*Pine Lumber Co.
NEW HILL—*Hunter Bros. & Co.
NEWPORT—Bell, W. S. (Saw Mill)
PLYMOUTH—*Plymouth Lumber Co.
*Roanoke R. R. & Lumber Co.
*Walker & Myers (Saw & Planing Mills)
RALEIGH—Lassiter, C. J. (Saw Mill)
RED SPRINGS—Love, J. M. & Co. (Planing Mill)
*Pearsall, A. B. (L. L. Yellow Pine)
*Red Springs Lumber Co.
Sikes, McIntosh & Co. (Saw Mill)
Singleton, J. A. (Saw Mill)
ROPER—*Roper, John L. Lumber Co. (N. C. Pine)
SANFORD—*Sanford Sash & Blind Co. (Dress-ed, etc.)
WASHINGTON—Kugler Lumber Co.
*Short Lumber Co. (N. C. Pine)
Walling, W. B. (Saw Mill)
WEST END—*West End Veneering Co. (Veneers)
WILLIAMSTON—*Simmons, Dennis Lumber Co. (N. C. Pine)
*Wicomico County Lumber Co.
WILMINGTON—*Angola Lumber Co.
*Cape Fear Lumber Co.
*Chadbourn Sash, Door & Lumber Co.
*Hilton Lumber Co.
*Kidder Lumber Co.
WINSTON SALEM—Cummings, J. M. (Lumber & Planing Mill)
*Hoover, A. L. & Co. (Saw Mill)
WINTON—Jordan & Parker (Lumber)
Taylor, W. P. (Lumber)

NORTH DAKOTA.

ADDISON—*Liberty Lumber Co.
ASHLEY—*North Star Lumber Co.
*Phoenix Lumber Co.
FARGO—*White Lumber Co.
GRAND FORKS—*Robertson Lumber Co.
MAYVILLE—*Beidler & Robinson Lumber Co.

OHIO.

AKRON—Akron Lumber Co., 1027 S Main
Lyman-Hawkins Lumber Co.
AXLINE—Weller, John W. (Saw Mill)
BAINBRIDGE—Durnell, C. E. (Saw Mill)
BELLEVILLE—*Ritter, P. (Lumber, Staves & Headings)
BLUFFTON—*Althaus, Ewing & Co.
Kimmel, J. W.
BOWLING GREEN—Bigelow Bros. (Saw Mill)
BUCYRUS—*Colter, Jacob & Co. (Saw Mill)
CADIZ—*Long, E. M. & Sons
CEDARVILLE—Tarbox Lumber Co. (Saw Mill)
CINCINNATI—Acme Veneer & Lumber Co. (Veneers, Thin Lumber & Mahogany Lumber), 8th & Harriet
§Asher, I. M. Lumber Co. (Hardwoods), Bank & Western av
§Banning, L. G. (Walnut, Quartered Oak, Ash & Mahogany), 5th & Main
*Bennett & Witte (Ash, Oak, Elm Gum, Cypress, Poplar, etc.), 222 W 4th
§Boyd, Chas. C. & Co. (Hardwood & Veneered Lumber), Glenn bldg
§Browne, H. R. (Yellow Pine, Poplar & Cypress), Foodick bldg
Chaney, W. G. (R. R. Ties & Logs), Swift bldg
Cincinnati Hardwood Lumber Co. (Oak & Mahogany Veneers), Gest & Summer
Crane, C. & Co. (Hardwood Lumber & Box Lumber), 1739 Eastern av
*Cypress Lumber Co., Gest & Dalton av
§Darling, J. W. Lbr. Co. (Ash, Oak, Poplar, etc.), Union Trust bldg
Dennes, J. B. Sons Lumber Co., 1246 Gest
*§Duhlmeier Bros. (Hardwoods, Mahogany, etc.), Wade & Dalton av
§Dulweber, Jno. & Co. (Hardwood), McLean av & Findlay
§Enterprise Lumber Co. (Yellow Pine, Lath & Shingles), Kenner & McLean av
*Farrin, M. R. Lumber Co. (Poplar & Oak, Beveled Siding, Flooring, Oak for R. R. Ties, Fence Posts, Bridges, Shins, Dock Piling, etc.), Winton pl
*Farrin-Korn Lbr. Co. (Cottonwood, Rough & Dressed Yellow Pine), Station av, Winton Place
*Freiberg Lumber Co. (Hardwoods), Mahogany & Spanish Cedar), McLean & Findlay
§Galle, W. F. & Co. (Southern Hardwoods), 1202 Budd
§Goodman & Wright (Yellow Pine & Cypress), First National Bank bldg
Graham Lumber Co. (Yellow Poplar), 41 E 4th
Griffiths, Jos. & Sons (Planing Mill), Reading rd & E 12th
§Hall, C. R. Lumber Co., Commercial-1150 Kenner
§Heyl, Philip F. (Pine, Poplar & Cypress), 1215 W 6th
§Hinckley-Dwight Lumber Co. (Yellow Pine & Cypress), 2209 Fulton av
*K. & P. Lumber Co. (Walnut, Oak, Ash, Poplar & Cherry; Exporters of Logs), Carthage Pike & B. & O. S. W. Ry.
§Keeveny, T. W. Lumber Co. (Pine, Hardwoods & Shingles), 8th, nr Carr
*Kentucky Lumber Co. (Gum Oak, Ash & Chestnut, Factory Lumber, Poplar, Bevel Siding, Dimension Strips, Shelving Boards, Mouldings, etc.), 1st Nat'l B'k bldg
§Kipp, B. A. & Co. (Hardwood), 818 W 6th
§Lewin, A. M. Lumber Co. (Yellow Pine & Cypress), Bank & McLean av
§Littleford, Geo. (Hardwood), 1203 Richmond
§McRoberts, J. T. (Yellow Cottonwood & Southern Hardwoods), Mercantile Library bldg
*Maley, Thompson & Moffett Co. (Black Walnut Logs, Hardwood, Mahogany & Veneer), 8th & Evans
§Mickle, H. L. Lumber Co., Mitchell bldg
§Mowbray & Robinson (Poplar & Hardwoods, Car Stock, Ties, etc.), 1219 W 6th
§Nicola, Stone & Myers Co. (Pine & Hardwood), 1221 W Liberty
*Ohio Veneer Co. (Mahogany & Thin Lumber & Veneers, Sliced, Cut & Sawed Quartered Oak Veneers), 2620 Colerain av
Owl Bayou Cypress Co., 1308 Central av
*Perry, Wm. H. Lumber Co. (Heavy Oak & Pine Timbers a Specialty), 1821 Gilbert av
Pierson, J. L. & N. L., Cooper & Cherry
§Radina, L. W. & Co. (Hardwoods), Clark & Dalton av
§Richey, Halsted & Quick (Poplar, Yellow Pine, White Pine, Oak), Traction bldg
§Riemeier Lumber Co. (Hardwoods, Quartered & Plain Oak), Gest & Berlin
§Roberts, E. & Co. (All Kinds), 414 E Court
§Scott, T. P. & Co., York & McLean avs
§Shiels, Chas. F. & Co. (Hardwood), McLean av & Gest
*Sowles, C. W. Lumber Co. (Hardwoods, White & Yellow Pine), Thomas bldg
§Stewart-Roy Lumber Co. (Hardwood), Mercantile Library bldg
*Stone, T. B. Lumber Co. (Yellow Poplar, Oak, Chestnut, Walnut, Gum, Cottonwood & Ash), Union Trust bldg
Taft, S. H., 1308 Central av
Townley, Wm. E. & Co., McLean av & Gest
§Western Lumber Co. (Hardwood), c 8th, nr Evans
§Wiborg & Hanna Co. (Yellow Pine & Hardwood), 2649 Cummins
CLARK—Conkle, John (Saw & Planning Mill)
CLEVELAND—§Advance Lumber Co. (Pine & Hardwoods), Rockefeller bldg
§Alexander Bros. Lumber Co., Schofield bldg
Barner-Mead Lumber Co., 1962 E 107th
§Central Lumber Co., Williamson bldg
*Cleveland Box Co. (Resawed Lumber, Box Shooks, Packing Cases & Crating), Stone's Levee & Ohio
§Cool, W. A. & Son (Hardwoods), The Arcade
§Cuyahoga Lumber Co., 1948 Carter rd, N W
§Euclid Av Lumber Co., 11710 Euclid av
§Fisher & Wilson Co. (White Pine), Rockefeller bldg
§Foote, C. H. Lumber Co., 1955 Scranton rd, S W
§Georgian Bay Co., 55 Stone's levee
§Gill Lumber Co., 1802 W 3d, S W
Greif Bros. Co (Barrels & Kegs & Stock Cooperage Stock), 1037 Willey av, S. W.
Interstate Lumber Co., The Arcade
*Jenks, Robert H. Lumber Co. (Yellow Pine, Red Oak, Hemlock & Hemlock Shingles), 808 Euclid av
Lake Erie Lumber Co., 5459 Hamilton av, W. E.
*Martin-Barriss Co. (Mahogany & Cabinet Wood Mfrs. & Importers), 2048 W 3d
§Mills-Carleton Co., 1886 Carter rd, N W
Nicola, Stone & Myers Co., Hickox bldg
§Potter, Teare & Co., 1918 Carter rd, N W
§Prasse Lumber Co., 1804 Columbus rd N W
§Saginaw Bay Co., 2106 W 3d, S W
Singletary Lumber Co., 1688 Merwin, N W
COAL GROVE—*Yellow Poplar Lumber Co. (Yellow Poplar & White Woods)
COALTON—Haslett, C. W. (Saw Mill)
COLUMBUS—§Bergin, M. J. Lumber Co., Spring & Dennison av
*Cones & Menefee, 450 W Broad
§Crosby & Beckley Co., 1832 E Long
Cross, G. D., Lumber Co., Long c Water
*Douglas & Walkley Co., 1832 E Long
Hildreth & Martin Lumber Co., 157 W State
*Kelton & Converse, c Spring & Water
§Kile & Morgan Co., Columbus Trust Co.
*Nelson, C. T. Co., 323 Dublin av
§Powell Lumber Co., 35 Vine
*Ritter, W. M. Lumber Co. (Oak & Poplar)
§Snider, J. J. Lumber Co., Taylor av
CUYAHOGA FALLS—Walsh Milling Co.
DAYTON—*Dayton Lumber & Mfg. Co.
§Edwards, E. L.
§Gebhart, Alex. & Co.
*Hartzell, Geo. W. (All Kinds of Hardwoods)
Hossafous, H. C.
§Kuntz-Johnson Co.
§Kuntz, Peter
*Miami Lumber & Veneer Co. (Hardwoods)
ELLERTON—Poe & Linebaugh (Saw Mill)
FAYETTE—Allen, J. O. & Co.
FINDLAY—*Parker Bros. (Lumber & Mills)
Pennsylvania Lumber Co.
FOSTORIA—Fraver, F. W. (Saw Mill)
FRANKFORT—Ott, Jno. W. (Saw Mill)
FRANKLIN—Hankinson, J. V. (Saw Mill)
GALENA—Bennett, E. C. (Saw Mill)
GREENFIELD—Barr, W. L. (Saw Mill)
HAMILTON—Bender Co. (Lumber & Planing Mill)
Dingfelder, W. M. & Co. (Lumber & Planing Mill)
IRONTON — *Fearon Lumber & Veneer Co. (Poplar, Rough & Dressed)
§Ironton Lumber Co.
§Nigh Lumber Co. (Poplar, Ash & Walnut)
*Ward, W. G. Lumber Co.
LEMPSIC—Buckeye Stave Co. (Large, Saw, Planing & Stave Mill)
LORAMIE—Wise, Aug. (Saw Mill)
LORDSTOWN—Park Bros. (Saw Mill)
MANTUA—Hine & Cook
MARION—Implement Mfg. Co. (Hardwood)
MARTIN—Post, Geo. E. (Saw Mill)
MIAMISBURG—Wantz, H. Lumber Co. (Hardwood)
ROSEVILLE—Coombs, Hy. (Saw Mill)
SOUTH SALEM—Lunbeck & Son (Saw Mill)
SOUTH WARSAW—*Hardin, F. P. & J. J. (Saw Mill)
SPENCERVILLE—Reynolds Lumber Co. (Saw Mill)
SPRINGFIELD—*Rawlins, Albert M. (Hardwood), Main & Lincoln av
STRYKER—Stryker Boat, Oar & Lumber Co.
SYCAMORE—Petty, J. A. (Saw Mill)
TIRO—Allen, B. F.
TOLEDO—*Acme Lumber Co. (Hardwoods, & & Ties, Poles & Posts)
*Barbour & Starr (Cork, Pine & Sash Stock), Summit c Albany
§Barnes & Mauk, Gardner blk
§Campbell Co. (& Planing Mill), Hoag nr Dorr
*Empire Lbr. Co. (White & Yellow Pine), Ash c Water
§Kelsey & Freeman (White Pine)
*MacLaren & Sprague Lbr. Co. (White Pine)
*Peter, Wm. (White Pine), 197 S St. Clair
§Trotter Lumber Co.
URBANA—Stephen Bros. (Hardwood)
VAN WERT—*Gleason Lumber Co. (Saw Mill)
WAUSEON—Wauseon Lbr. Co. (Hardwood)
*Williams, H. H. & Co. (Saw Mills)
ZOAR—*Bimeler, Jno. (Hardwood Saw Mill & Planing Mill)

OKLAHOMA.

OKLAHOMA—*Pine Tree Lumber Co. (Yellow Pine)
RED ROCK—*Foster Lumber Co.

OREGON.

ANLAUF—*Anlauf Bros.
ASHLAND—*Ashland Mfg. Co.
ASTORIA—*Astoria Box Co. (Boxes & Lumber)
AUDREY—*King, L. D.
AUMSVILLE—*Miller & Goin
AURORA—*Kell, Arthur W. (Saw Mill)
BAKER CITY—*Oregon Lumber Co.
BEAVERTON—*Livermore, F. W.
BRIDAL VEIL—*Bridal Veil Lumbering Co.
BROWNSVILLE—§Calapooia Lumber Co.
BULLARD—*Fahey, E. & Sons
BUXTON—§Buxton Lumber Co.
CAMAS VALLEY—*Kirkendall, J. A. & Sons
*Thrush Bros. (Saw Mill) (Saw Mill)
CANBY—*Adkins, Jas.
*Cole Bros.
CANYONVILLE—*Pickett, J. R.
CARLTON—*Carlton Lumber Co.
CASCADE LOCKS—Oregon Lumber Yard
CLATSKANIE—§Clatskanie Lumber Co.

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*West Oregon Lumber Co.
COBURG—*Booth-Kelly Lumber Co.
COMSTOCK—*Skidmore, Wm. & Son.
*Stewart & De Launay
COQUILLE—Johnson Lumber Co. (Saw Mill)
CORVALLIS—*Corvallis Mfg. Mill Co.
COTTAGE GROVE—*Brown Lumber Co.
*Cerro Gordo Lumber Co.
§Chambers, J. H.
*McKibben Bros.
*Woodward, A. L.
DALLAS—*Willamette Valley Lumber Co.
DAYS CREEK—*Neuner, Geo. S.
DEXTER—*Parwin & Cruzan Bros.
DIVIDE—*Chatman S. & F.
*Lindstrom, P. A.
*Taylor & Lee
DORENA—*Chambers Lumber Co.
DRAIN—*Elk Creek Lumber Co.
*Page Investment Co.
DREWSEY—Ott, John & Co.
DUFUR—*Dufur Lumbering Co.
Ward Bros.
EMPIRE—*Southern Oregon Co.
ESTACADA—*Davis & Webster
EUGENE—*Booth-Kelly Lumber Co.
§Eugene Lumber Co.
FALLS CITY—*Falls City Lumber Co.
FISHHAWK—Freeman, D. W. (Saw & Planing Mill)
FOREST GROVE—*Williams, W. H. & Son
FOSSIL—*Butte Creek Land, Live Stock & Lumber Co.
FOSTER—*Wodtli, Fred.
FRIEND—*Wheeler, D. S. & Son
GALES CREEK—*Miller, Clarence
GARFIELD—Linn Bros. (Saw Mill)
GLENDALE—Glendale Lumber Co.
GOBLE—*Broughton-Wiggins Lumber Co.
*Goble Milling Co.
*Jones, E. A.
GRANTS PASS—*Welter, Pracht & Schmidt
*Williams Bros.
GURDANE—McLaughlin, J. A.
HARDMAN—Parker Mill & Lumber Co.
HEPPNER—*Slocum, A. M.
HILGARD—Casey, J. D. (Lumber & Ties)
HOBSONVILLE—Miami Lumber Co. (Saw Mill)
HOOD RIVER—*Stanley-Smith Lumber Co.
HOSKINS—*Frantz, C. A.
JUNE—June Lumber Co.
KENO—McCormack, Thos. (Saw Mill)
KLAMATH FALLS—*Moore, C. S. & R. S.
LACOMB—*Banner Mill Co.
LEBANON—*Lebanon Lumber Co.
*Smith & Jerome
LEONA—*Leona Mills Lumber Co.
LINNTON—*Clark & Wilson Lumber Co.
§Noyes, J. B. & Co.
LONDON—*Shortridge, W. C.
LORANE—*Addison Bros. & Ross
LOST VALLEY—Lost Valley Land & Lumber Co.
MEACHAM—Meacham Lumber Co.
MEDFORD—*Stevens, A. J.
MEDICAL SPRINGS—Langrell, R. T.
MELROSE—*Diller, E. W.
MILL CITY—*Curtiss Lumber Co.
MILLWOOD—Clark & Sons (Saw & Shingle Mill)
MILTON—*Olinzer Bros.
MIST—*Libel, Casper
MOUNTAINDALE—*Thompson Bros.
MOUNT ANGEL—*Giger Bros. & Lackey
*Mortenson, Wm.
MULINO—Trullinger, D. L.
MYRTLE CREEK—*Myrtle Lumber Co.
NEWBERG—*Spaulding, Chas. K. Logging Co. (Rough & Dressed Ash & Maple, etc.)
OAKLAND—Norris Bro.
OREGON CITY—*Moehnke, Chas. (Saw Mill)
§Shannon Bros.
ORIENT—Straus Lumber Co.
PAISLEY—*Chenaucan Lumber Co.
PEDEE—Pedee Lumber Co.
PEORIA—Kaltrider, Wm. (Shingles)
PERRY—*Grande Ronde Lumber Co.
PHILOMATH—Henkle, J. L.
PORTLAND—§Ainslie, Geo. & Co. (Imported Woods & Mill Work), Pettygrove c 15th
§Broughton & Wiggins Co. (Piling & Cedar Poles), Cham. of Com. bldg
*East Side Mill & Lumber Co.
§Eastern & Western Lbr. Co., Front st. N
*Falls City Lumber Co. (Soft Sfletz, Yellow Fir Lumber & Red Cedar Shingles)
*Inman, Poulsen Co. (Oregon Pine), ft E Sherman
*Jones Lumber Co.
*Lindsley-Wright Co. (Poles, Ties, Piling & Timber, etc.), Sherlock bldg
*Multnomah Lumber & Box Co.
§North Pacific Lumber Co.
§Northwest Door Co., ft Albina av
Nordby Lumber Co., Lumber Exch bldg
*Oregon & Washington Lumber Co.
*Pacific Export Lumber Co. (Pine, Fir & Spruce), Cham. of Com. bldg
§Patterson Lumber Co.
§Peninsula Lumber Co. ("Oregon" Fir Lumber, Car Material Exclusively)
§Portland Lumber Co. (Fir Lumber), ft Lincoln
§Standard Box & Lumber Co.
Wheeler Lumber Co., Sherlock bldg
RANIER—*Columbia River Door Co.
*Oregon-Kansas Lumber Co.
*Ranier Mill & Lumber Co.
*Stehwan Bros. (Saw Mill)
*Wilson, C. C. Lumber Co.
RIDDLE—*Littler, P. M.
ST. JOHNS—§St. Johns Lumber Co.
SANDY—Strauss Lumber Co. (Saw Mill)
SCAPPOOSE—*Nelson-Wilcox Lumber Co.
*North Coast Co-Operative Lumber Co.
SCHOLLS—*Groner & Rowell Co.
SCOTTS MILLS—*White, Chas. A.
SEASIDE—*Seaside Lumber & Mfg. Co.
SHERIDAN—*March, T. H.
*Sheridan Lumber Co.
SHERWOOD—*Conzelmann Bros.
*Vincent, F. D.
SILVERTON—*Porter, A. L.
*Ross, E. W.
*Lais, Jno. G.
*Schiedler & Hartman
*Silverton Lumber Co.
STAFFORD—Saum, George (Saw Mill)
STAR—*Star Lumber Co.
*Taylor Geo. & Sons
STAYTON—*Brown, Lee & Sons
SWEET HOME—*Weedle, John
TILLAMOOK—Long, Frank
*Tillamook Lumber Mfg. Co.
WARRENTON—*Kelly, D. L. Lumber Co.
*Old Oregon Lumber Co.
WATERLOO—Hurst, E. P. (Saw Mill)
Wiley, J. M. (Saw Mill)
WEST PORT—*Westport Lumber Co.
WILDWOOD—*Wildwood Lumber Co.
WOODBURN—*Abaqua Lumber Co.
YANKTON—Sherman Bros. & Stanwood
YONCALLA—*Outlack Bros.

PENNSYLVANIA.

ALLEGHENY—§Bruckman Lumber Co.
§McClure Timber Co. (Lumber & Saw Mill)
Schulze & Emanuel (Lumber & Planing Mill)
*Walter, H. B. Lumber Co. (Hardwood & Yellow Pine)
ALLENTOWN—§Laubach, M. H. & Bro.
§Trexler Lumber Co.
ASHLAND—*Bright, H. F.
AUSTIN—Harvey & Collins (Saw Mill)
AVONDALE—Hicks, Jno. H. (Saw Mill)
BANDANNA—Hell, Jno. (Saw Mill)
BARRY—Bolich, Wm. (Saw Mill)
BARTONVILLE—Slutter, L. L. (Saw Mill)
BEANS COVE—Donohoe, Peter (Saw Mill)
BEAVER FALLS—§Brierly, F. K.
BEAVERTOWN—Engle, A. W. (Saw Mill)
BECHTELSVILLE—Stauffer, A. T. B. (Saw Mill)
BELLEFONTE—*Crider, P. B. & Son (Lumber & Saw Mills)
BELLE VERNON—*Belle Vernon Planing Mill Co.
BIG RUN—*McClure, Tyson & Irwin
BRADFORD—*Bemis, J. M. & Son
§Bond, Alfred J. (Hemlock), 124 Mechanic
*Bradford Hdw. Lumber Co.
*Stout & Holden
BROOKVILLE—§Anderson Lumber Co.
Cook, A. W.
*Vanleer Bros. (Lumber & Planing Mill)
BURNT CABINS—Comerer, W. M. (Saw Mill)
CAMBRIDGE SPRINGS—Blystone, C. W. (Saw Mills)
CANTON—*Crawford, H. & Sons
CLARINGTON—*Braden, A. R.
Clarington Saw Mill Co.
*Work, Josiah & Son
CLEARFIELD—*Clearfield Lumber Co. (Ltd.) (Hemlock, Pine, Oak & Hardwood)
COATESVILLE—Ash, Chas. W. (Saw Mill)
CONNER—Thomas, L. M. (Saw Mill)
CONYNGHAM—Hess, A. E. (Saw Mill)
COOKSBURG—Cook, J. R. (Saw Mill)
*Cook's, A. Sons (Lumber)
EASTON—Buts, Edward M. (Planing Mill)
Zearfoss-Hillard Lumber Co. (Lumber & Saw Mill)
EBENSBURG—*Griffith, Webster (Maple Flooring, Hemlock & Hardwood)
ELIZABETH—Rhodes, S. O. (Saw Mill)
ELKLICK—Compton, Demetrius (Saw Mill)
ELMER—*Gilbert, C. A.
EMPORIUM—*Catlin, C. G. (Saw & Shingle Mill)
ENDEAVOR—*Wheeler, Aylesworth & Co. (Saw Mill)
*Wheeler & Dusenberry (Lumber, Lath & Shingles, Pine Lumber up to 72 feet)
EVANS CITY—*Dambach, Edw. Co.
FELTON—Stabley, W. H. (Saw Mill)
GUYS MILLS—Morgan, John (Saw Mill)
Williams Bros. (Saw Mill)
HALLTON—*Hall, Gardner & Co. (Lumber)
*Moore, W. B.
HOLLIDAYSBURG—*Irvine, Robt. C.
*Young, Blair B. (Saw Mill)
IOLA—*Eves, W. M. & Sons
JERSEY SHORE—*Torbert, J. Frank
Childs Brothers Lumber Co. (Saw Mill)
JOHNSTOWN—*Murdock, J. M. & Bro. (White Oak, Hemloch, White Pine & Hardwood)
KANE—*Mell, Geo. H. (Rough & Dressed Lath & Shingles)
KEATING SUMMIT—*Emporium Lumber Co. (Hardwood)
KNOXVILLE—*Edgecomb's, I. M. Sons (Mill Work)
KUTZTOWN—*Gonser, John R.
LANCASTER—Kalbach, A. M. (Saw Mill)
Keystone Planing Mill Co.
Lancaster Planing Mill Co.
Spider Lake Saw Mill & Lumber Co.
LEWISBURG—*Nesbit, D. M. & Co. (Lumber, Timber & Interior Finish)
MARIENVILLE—*Hart, W. T. (Lumber & Shingles)
*Shields, D. B.
MILLERSBURG—Snyder, C. J. (Saw Mill)
MILTON—*Clinger's, D. Sons (Lumber & Planing Mill)
MONONGAHELA—*Monongahela Saw & Planing Mill Co.
NEW BETHLEHEM—*Andrews, C. E. Lumber Co. (White Oak, White Pine & Hemlock, Timber & Lumber)
NEWBURG—Brook, Aaron (Saw Mill)
NEWTOWN—Watson, A. W. & W. M. (Saw & Planing Mill)
NORRISTOWN—Grater-Bodey Co. (Planing Mill)
PAINTERSVILLE—Goss, W. H. & Bro. (Saw Mill)
PANIC—North, H. K. (Saw Mill)
PARNASSUS—*Logan, J. W. & Sons (Lumber & Planing Mills)
PENNSYLVANIA FURNACE—Brown, A. M. (Saw Mill)
PERKASIE—Benner, A. S. (Saw Mill)
PHILADELPHIA—§Anderson & Sloanaker, Del. av c Poplar
§Betts, Chas. M. & Co. (Pine, Cypress & Shingles), Real Est. Trust Co. bldg
§Blauvelt, W. S. & Co., 4106 York rd
§Bruner, Owen M. Co. (White & Yellow Pine & Hardwood, Maple Flooring, Rift Yellow Pine, Flooring a Specialty), Land Title bldg
§Busby, C. M. & Sons, 626 Wash'n av
§Cathrall, Eugent H. 102 Walnut
*Cherry River Boom & Lbr. Co. (W. Va. Spruce, Hardwoods, Cypress & Pine), Land Title bldg
*Colonial Lumber Co., Lippincott bldg
§Coolbaugh, C. C. & Son (Pine & Hardwood), Heed bldg
§Coppock-Warner Lumber Co. (Yellow Pine), Land Title bldg
§Craig, Geo. F. & Co. (White, Yellow & N. C. Pine, Spruce), Drexel bldg
§Este, Chas. Co., Glenwood av nr 20th
§Fritz, Wm. H. & Co., Crozer bldg
Gardy, Wm. R. (Yellow Pine Flooring), Land Title bldg
§Garman, A. St. Clair, 2050 N 8th
§Geissel & Richardson, Ridge av c Master
§Gillingham, Frank C. & Son Co., Norris n Richmond
§Hallowell, Eli B. & Co. (Hardwood, Pine & Cypress Lumber), Harrison bldg
§Hammer, Thos. B., Girard bldg
§Holloway, J. N. & Co. (Hemlock, Hardwoods & N. C. Pine), Arcade bldg
§Janney, Jos. W., 1157 Beach
§Kay, Robt. G. (W. Va. Spruce, also Pine & Hemlock), Girard bldg
§Kent, J. S. Co. (All Pine, Spruce & Shingles), Harrison bldg
§Ketcham, Howard, 1160 N 3d
§Kirby & Hawkins (White & N. C. Pine, Hardwood & Ties), Arcade
§Kugler, Geo. W. & Sons, 921 New Market
§Little, Jno. J., Land Title bldg
*Little River Lumber Co., Girard bldg
§Lloyd, Sam'l & Co., Perry bldg
§Lloyd, Wm. M. Co. (Ltd.), Ridge av c N 29th
§Lukens Bros. (Pine, Spruce, Hardwood & Shingles), 809 N Delaware av
*Lukens, Jesse & Co., 3400 N 6th
§McIlvain, J. Gibson & Co. (Hardwood a Specialty), S 58th c Woodland
§Malone, Watson & Sons, Pier 44, N Wharves
§Maus, H. H. & Co. (N. C. Yellow Pine, Shingles, Lath, Cypress, R. R. Ties, Poles, etc.), 416 Walnut
*Miller & Miller Lumber Co. (Spruce & Hardwood), Land Title bldg
§Nass, Geo. & Son, N Broad & Vine
§Otter Creek Broom & Lumber Co. (Hemlock), Witherspoon bldg
*Pamlico Lumber Co. (N. C. Pine), Land Title bldg
§Peart, Nields & McCormick Co., Harrison
§Pennell, Edmund, Penna bldg bldg
§Producers' Lumber Co. †(Yellow Pine), Land Title bldg
§Provident Lumber Co., Arcade bldg

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§*Rawson, Wm. L., Mutual Life bldg
*Rice, Thos. B. & Sons Co. (White Pine & Hemlock Lumber), Mifflin St. Wharf Delaware River)
*Roper, Jno. L. Lumber Co. (N. C. Pine & Cedar Shingles), Girard bldg
§Rumbarger, J. L. Lumber Co. (Red Oak, Cherry, Spruce & Hemlock), Harrison bldg
§Schofield Bros. (White Pine, Spruce, Hemlock, etc.), Penna. bldg
§Shearer, Sam'l H. & Son, Crozer bldg
*Sheip, Henry H. Mfg. Co. (Cigar Box Lumber), 529 Columbia
§Smith, F. A. (Yellow Pine), 30th & Spruce
§Souder, E. A. & Co. (Pine & Cypress), Girard Bldg.
§Spiegle, Geo. M. & Co. (Somerset c N. 18th
§Stokes Bros. Co., 30th, below Chestnut
*Strong, Jas. & Co. (Hemlock, Poplar, Oak, White Pine & Chestnut), Real Estate Trust Co. Bldg.
§Talley, Thos. J. (Piling, Hemlock, Pine, Spruce & Oak Bill Stuff), Land Title Bldg.
§Ternan & White, 2728 N Broad
§Thompson, Lewis & Co. (R. R. Ties & Posts), Broad c Spring Garden
§Vrooman, S. B. Co. (Ltd.) (Yellow Pine & Mahogany), 1133 Beach
§Warner, Geo., Drexel Bldg.
§Weitzel, P. Elmer & Bros., 3108 Gtn. av
§Wheeler, E. B. & Co., Crozer Bldg.
§Whitmer, Wm. & Sons (Inc.), (Hardwood, White Pine & Spruce), Girard Bldg.
§Williams, Alex. O., 534 Berks
§Williams, J. R. & Co., Arcade Bldg.
*Williams & Van Roden (Ash, Poplar & Oak), 1845 Arch
§Wistar Underhill, Real Estate Trust Co. bldg
Woddrop & Welch Wood Co., Betz bldg

PINE GROVE—*Boyer, Mahlon H. (Lumber & Fegeley, Morris (Saw Mill) Saw Mill)

PITTSBURG—§American Lumber & Mfg. Co. (Timbers, Lumber, Glazed Factory Sash, Factory Mill Work, etc.), 209 9th
§Babcock, E. V. & Co. (Hemlock, White & Yellow Pine & Maple Flooring, Hardwood & Shingles), Frick Bldg.
§Curl, H. V. Lumber Co., Park bldg
Curtis & Yale Co. (Hardwood Flooring, Basswood Ceiling & Siding, Pine Dimensions, Shingles, etc.), Arrott bldg
*Flint, Erving & Storner (White & Yellow Pine, Oak, Poplar & Hemlock, White Pine Lath, Red Cedar, Pine Cypress & Hemlock Shingles), Farmers' Bank Bldg.
§Forest Lumber Co., Diamond Bank bldg
*Furnace Run Saw Mill & Lumber Co. (White Pine, Hardwood, Bridge Timbers, Car Stuff, Telegraph Poles & Street R. R. Ties), Curry bldg
§Gillespie, D. L. & Co. (Pitch Pine, etc.), 541 Wood
§Hastings, J. M. Lumber Co. (Yellow Pine), 541 Wood
§Interior Lumber Co., Keenan bldg
§Keystone Lumber Co., 728 2d av
§Linehan Lumber Co., Farmers' Bank Bldg.
§McIlvain, J. E. & Co., House Bldg.
§Mead & Speer Co. (Wholesale Lumber, Lath, Shingles, R. R. Ties, Bridge Timbers, etc.), Park bldg
§Mitchell, W. I., 339 5th av
§Munhall, R. J. Lumber Co., S. 22d & Wharton
§Nicola Lumber Co. (Red Cedar Shingles, Gum, Cottonwood, Hardwoods, Maple Flooring, etc.), Farmers' Bank bldg
§Noble, John H., Union Bank bldg
§Satler L. L. Lumber Co., Bessemer Bldg.
§Schuette, Wm. & Co. (Inc.), Machesney bldg
§Terhune, W. H. & Co. (White & Yellow Pine & Hemlock), House bldg
§Thompson Dwight, House Bldg.
West Virginia Lumber Co., House bldg
Wheeler, J. R. & Co. (Pattern, Templet, Flask & Tank Lumber, Roofing & Furring Strips, Yellow Poplar for Carriage & Piano Mfrs.), Bergen bldg
§Willson Bros. Lumber, Lath & Shingles) Farmers' Bank Bldg

PITTSVILLE—Shepherd, Frank
POCOPSON—Denton, Joseph S. (Saw Mill)
POND HILL—Boyd, Morris (Saw Mill)
POTTSTOWN—Healey, J. A. & Bro.
Snyder, H. J.
POTTSVILLLE—Beecher & Barr (Mine Lumber, etc.)
Beecher & Boyer (Mine Timber)

READING—Anchor Bending Works (Saw Mill)
Buch Bros., 200 N. 6th
Central Lumber Co., 234 Walnut
*Lance, Geo. F. (Walnut, Cherry, Shingles, etc.), 3d c. Buttonwood
*Thalheimer, A. Mfg. Co., 141 Cedar

REXIS—*Vinton Lumber Co. (Ltd.), (Hemlock)
RICKETS—*Trexler-Terrell Lumber Co. (Hemlock, Spruce, etc.)
RIDGWAY—*Hyde, W. H. & Co.
*Hyde & Thayer
Murphy Dry Kiln Co. (Lumber)
Thayer, H. S.
ROCKWOOD—*Barron Bros.
Wolf, Penrose (White Oak, etc.)
ROYERSFORD—Bush Bros. (Planing Mills)
ST. CLAIR—*Reichley Bros. (Mine Timber)
ST. MARYS—*Kaul, J. & A.
*Kaul & Hall Lumber Co.
*Portland Lumber Co.

SCRANTON—*Ansley Lumber Mfg. Co. (Shingles, Flooring, etc.), 801 Scranton
*Cherry River Boom & Lumber Co., Board of Trade Bldg.
§Davenport, John D. & Co., Board of Trade bldg
§Lackawanna Lumber Co. (Hemlock & Hardwood), Board of Trade Bldg.
§Newman, J. J. Lumber Co., Board of Trade Bldg.
§Price & Howarth, 1001 N. Wash'n av.
*Washburn, Williams & Co., 119 Meriden

SHAMOKIN—*Kulp Lumber Co.
*Shamokin Lumber & Mfg. Co.

SHIPPENSBURG—Burns, Harry (Saw Mill)
SOUDERTON—*Souder, Wm. (Saw Mill)
SPRING MILLS—*Finkel, A. N. (White Oak & Pine)
TAMAQUA—Zebner, Jacob (Saw Mill)
TIDIOUTE—*Hunter, L. L. (Est. of)
Stillman, J. A. (Saw Mill)

TIONESTA—*Foreman, H. M. (Lumber & Ties)
*Gaston, G. G. (Lumber & Saw Mill)
*Kelly, A. B. (Lumber)
*Landers & Wyman (Lumber)
*Robinson, G. W. & Son (Planing Mill)

TOWANDA—Ellenberger, S. B.
Ellenberger & Yeager

TYRONE—*Beyer, F. D. & Co. (Saw & Planing Mill)

URSINA—*Davis, J. B. & Sons (White Oak, Poplar, etc.)
*Van Sickel, E. Co. (not inc.) (White Oak, etc.)

WARREN — *Rogers Lumber Co. (Hemlock, Pine, Hardwood Flooring, Mouldings, Lath, Shingles, House Finish, etc.)
§West, J. H. Lumber Co.
*Wetmore, L. D. Co.

WILLIAMSPORT—*Bowman, Forseman Co. (Hemlock, etc.)
*Breon Lumber Co. (Hardwood, Hemlock & White Pine Boxes, Crates, etc.)
*Brown, Clarke & Howe (Lumber, Lath,
*Central Penna. Lumber Co. Paling, etc.)
*Coleman, John (Hemlock, etc.)
Deemer, Elias & Co.
*Emery Lumber & Coal Co. (Hemlock,
*Hall, John L. Long, Large Bills)
*Kavanaugh, Daniel
*Righter, Joseph C. (White Pine & Lum-
*Sones, C. W. ber, etc.)
*Williamsport Planing Mill Co.

WOODBURY—Frederick, Adam (Saw Mill)
WYALUSING—*Welles, M. H. & G. H. Lumber Co.
YORK—*Billmeyer & Small Co. (Hemlock, White Pine & Oak)

RHODE ISLAND.

PROVIDENCE—§Angell, H. M., 49 Westminster
*Crittenden Lumber Co., 32 Westminster
§Gage, L. H. Lumber Co. (Hardwood), 32 Westminster
§Kile & Morgan, 15 Westminster
*Potter, J. A. & Co. (Southern Pine, etc.), ft of Crary

WASHINGTON—Hopkins, Clinton (Saw Mill)

SOUTH CAROLINA.

ALCOLU—*Alderman, D. W. & Sons Co.
ALLENDALE—Bryan Bros. (Saw Mill)
BATESBURG—*Batesburg Lumber Co.
BELLS—Caldwell, T. H. (Saw Mill)
BOWYER—McCoy, A. E. (Saw Mill)
BUCKSPORT—*Richardson Cypress Lumber & Shingle Co.
CHAPLIN—Robinson, C. P. (Saw Mill)

CHARLESTON—§Anderson Lumber Co. (Lumber, Ties and Shingles)
*Barton, A. J. (Planing Mill, etc.)
*Burton, E. P. Lumber Co.
*Cook, W. P. & Co. (Ties, etc.)
*Halsey Lumber Co.
Simmons Benj. I. (Lumber, Timber, Shingles, Yellow Pine Lumber, etc.)

COTTAGEVILLE—Ackerman, C. K. & Co. (Saw
Ackerman, J. D. & Bro. (Saw Mill) Mill)
DOVESVILLE—*Massie Lumber Co.
Young, W. D. (Saw Mill)
EFFINGHAM—*Dorgan Lumber Co. (Saw Mill)
EHRHARDT—Ehrhardt, C. & Sons (Saw Mill)
ELLENTON—Savannah Valley Lumber Co (Saw Mill)

FERGUSON—*Santee River Cypress Lumber Co. (Cypress, Hardwoods, Ash, Gum, Cottonwood, Pine, Shingles, Lath, Mouldings, etc.)
GEORGETOWN—*Atlantic Coast Lumber Co.
*Gardner & Lacey Lumber Co.

GREENVILLE—*Mallard, E. G. & Co. (Yellow Pine)

HAMPTON—*Hampton & Branchville Ry. & Lumber Co.
HONEY HILL—Henderson, Wm. (Saw Mill)
KINGSVILLE—Trumble, Edwin (Saw Mill)
KINGSVILLE—Trumble, Edwin (Saw Mill)
LEESVILLE—Barr, C. D. (Saw Mill)
LORENA—Shiry, Geo. C. (Saw Mill)
LORIS—*Bryant, J. C. Co.

LUMBER—*Williams & McKeithan Lumber Co. (Lumber & Saw Mills)
McBEE—Ingram, J. D. (Shingle Mill)
McCLELLANVILLE—Leland, H. G. (Saw Mill)
McCOLL—McLaurin, W. B. (Saw Mill)
MARS BLUFF—Ranklin, W. L. Lumber Co. (Saw Mill)
PINEWOOD—Broughton, N. L. (Saw Mill)
PROSPERITY—*Hunter & Saner (Lumber & Saw Mill)
RIDGEVILLE—Thrower, D. E. (Saw Mill)
ROWESVILLE—Blake, J. H. (Saw Mill)
SENECA—Hamilton, W. O. (Saw Mill)
SPRINGFIELD—Rice & Holman (Saw Mill)
SWANSEA—Rast, W. B. (Saw Mill)
TROY—Banks & Cheatam
UNION—Bailey Lumber & Mfg. Co.
WEST UNION—Brown Lumber Co. (Saw Mill)
Shackley, J. C. (Saw Mill)

TENNESSEE.

BIG SANDY—Rauscher, E. W. (Staves)
BRISTOL—*Bryan Lumber Co. (Hardwood)
*Morton, Lewis & Wiley Lbr. Co.
*Stone-Huling Lbr. Co.
§Tug River Lumber Co.
Wilkinson, Jas. A.

CHATTANOOGA—*Blair, F. W. (Poplar, Oak, Ash, etc.)
*Card, J. M. Lumber Co. (Hardwoods & Yellow Pine)
§Central Mfg. Co. (Band Sawed Poplar, Pine,
*Chattanooga Lumber Co.
*East Tennessee Lumber Mfg. Co.
*Loomis & Hart Mfg. Co. (Saw & Planing
*Snodgrass & Field. Mills)

CLIFTON—Crain Lumber Co.
COVINGTON—Shelton & Co.
CRANDULL—Faulkner Lumber Co.
HARRIMAN—Dame Mantel Co. (Quartered Oak & Curly Birch, etc.)
JACKSON—*Coleman, W. H. Co. (Tight Barrel Circled Headings, etc.)
§Gardner, O. G. Lumber Co. (Inc.) (Hardwoods, Timbers, Dimension Stuff, etc.)
JOHNSON CITY—*Buck & Snodgrass Lumber Co. (Hardwood)
KNOXVILLE—*Michaels, T. M. (Saw Mill &
*Rose, D. M. & Co. Lumber)
*Ross Lumber Co.
*Vestal Lumber & Mfg. Co. (Tennessee Red Cedar, Band Sawed)
LEWISBURG—*Houston & Liggett (Red Cedar Lumber, Taper Sawed Posts, Flooring, Telegraph & Telephone Poles)
LOUDON—Ward, A. W.
MEMPHIS—*Anderson-Tully Co. (Box Shooks, etc.), N 2d & I. O. R. R.
*Arthur Hardwood Flooring Co. (Flooring)
*Bennett Hardwood Lumber Co. (Southern Hardwoods, Oak, Ash, Gum, etc.)
§Blanton-Thurman Co. (Yellow-Miss. Cypress), Randolph bldg
*Chickasaw Cooperage Co. (Cooperage Mate-
*Cole Mfg. Co., 27 Hernando rials, etc.)
Crenshaw & Cathey
*Crittenden Lumber Co.
*Darnell, R. J. (Inc.) (Hardwoods)
*Darnell-Love Lumber Co.
*Darnell-Taenzer Lumber Co. (Hardwoods)
*Dickson, J. W. Co. (Oak, Ash, Gum, Cottonwoods, etc.), Wolf River & I. C. R. R. Bridge
*Friedel, P. R. & Co. (Long Leaf Yellow Pine & Oak)
§Gage, L. H. Lumber Co., So. Ex. bldg
§Gladden, C. S.
§Goodlander-Robertson Lumber Co. (Southern, All Kinds)
*Holmes, J. A. Lumber Co., I. C. R. R. n
Jordan, J. P. & Co., 358 2d Randolph rd
*Lamb-Fish Lumber Co. (Band Sawed Oak, Gum, Cypress, etc.)
§Major, S. C. Lumber Co. (Southern Hardwoods)
Memphis Stave Mfg. Co. (Slack Barrel Staves)
§Meredith, J. P. Cedar Co. (Red Cedar, Piling, Poles & Posts), Equitable bldg
*Moore & McFerren (Hardwood), Henry
*Russe & Burgess (Hardwood, Plain & Quartered Oak, Satin Walnut, Poplar, Tupelo, Gum, Bay Poplar), Randolph rd & I. C. R. R.
§Smith, W. E. Lumber Co. (Hardwood), 1406 Tenn. Trust bldg

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*Sondheimer, E. Co. (Gum, Cypress, Cottonwood, Ash, Elm, Poplar, Sycamore, etc.)
§Stark, Jas. E. & Co. (Plain & Quarter Sawed White & Red Oak, etc.)
Tennessee Lumber Co., 41 Madison
*Three States Lumber Co. (Hardwood), 1406 Tenn. Trust bldg
*Thompson, J. W. Lumber Co. (Hardwood), Oak, Ash, Poplar, Cypress, etc.), Randolph rd & I. C. R. R.
*Williams & Co. (Poplar & Oak), 371 2d
NASHVILLE—*Davidson, Hicks & Greene Co
*Hayes, A. L. Co. (Lumber & Tight Barrel Staves, etc.)
*Indiana Lumber Co. (Hardwood)
*Lieberman, Loveman & O'Brien
*Love, Boyd & Co. (Oak, Ash, Poplar, Chestnut, Sycamore, Hickory, Rough & Dressed)
*Nashville Tie & Cedar Co. (Cross Ties & Cedar Piling)
*Nashville Hardwood Flooring Co.
*Prewitt, Spurr & Co. (Hardwood)
*Ransom, John B. & Co. (Rough & Dressed Red Cedar, Yellow Poplar, Walnut, Ash, Oak & Red Cedar Flooring)
NEW RIVER—*New River Lumber Co. (Hardwood)
SOUTH PITTSBURG—Haskew Lumber Co. (Saw Mill)
SPARTA—*Tennessee Stave & Lumber Co.
TIGER TAIL—Tiger Tail Mill & Land Co. (Cottonwood, Poplar, Gum & Oak)
WAVERLY—*Lucas Land & Lumber Co. (Lumber & Planing Mill)

TEXAS.

AVINGER—Rhyne, A. M. & Co. (Saw Mill)
BEAUMONT—*Industrial Lumber Co. (L. L. Yellow Pine)
*Keith Lumber Co. (Yellow Pine)
*Nona Mills Co. (Yellow Pine)
Sabine Tram Co. (Yellow Pine)
CALL—Kirby Lumber Co.
CAMDEN—*Carter, W. T. & Bro. (Yellow Pine)
DALLAS—*Clark & Boise Lumber Co. (Yellow Pine)
*Conway, Craig Lumber Co. (Lumber & Shingles)
*Craven Lumber Co. (Yellow Pine Lumber & Cypress Shingles)
*Godley, R. B. Lumber Co.
§O'Neil, W. H.
DIBOLL—*Southern Pine Lumber Co. (Yellow Pine)
ELMINA—*Walker County Lumber Co. (Yellow Pine)
FORT WORTH—§Cowley-Foster Lumber Co.
*Ford & Isbell Lumber Co.
§Reynolds-Hanna Lumber Co.
GALVESTON—*Miller & Vidor Lumber Co (Yellow Pine)
*Moore & Goodman (Lumber, Lath & Shingles)
§Sachs, Hugo (Yellow Pine, Cypress Lumber & Shingles
§Wilson, D. M. & Co. (Piling & R. R. Material
GILMER—*Commercial Lumber Co. (Yellow Pine, Lumber & Shingles
GROVETON—*Trinity County Lumber Co. (Yellow Pine
HAMPTON—*Fleming, J. B. Lumber Co. (Band Sawed, L. L. Yellow Pine)
HOUSTON—*Bender, C. & Son
*Bering Mfg. Co. (White & Yellow Pine, Cypress, Mouldings & Exterior Finish
*Big Tree Lumber Co. (Yellow Pine Lumber & Red Cedar Shingles)
§Burkitt & Barnes (Lumber, Ties & Timber
§Burton Lumber Co. (Mouldings, Shingles Cedar & Cypress Posts, etc.)
*Carter Lumber Co. (Yellow Pine)
§Central Lumber Co. (L. L. Yellow Pine La. Red Cypress, etc.)
*Continental Lumber & Tie Co. (Yellow Pine, Cypress, Shingles, etc.)
*Cummings, C. R. & Co. (Exporters, Hardwood
§Fall, H. R.
§Harrell, Ed. H. Lumber Co. (L. L. Yellow Pine, La. & Cypress Lumber, Interior Finishings, etc.)
§Hill, J. C. Lumber Co. (Lumber & Shingles)
*House, Henry (Lath, Shingles, Mouldings Ceilings, etc.)
*Houston Co-Operative Mfg. Co.
*Norris, W. H Lumber Co. (L. & S. Leaf & Yellow Pine Lumber & "Gilbert's" Shingles)
*Swinford, S. T. Co. (Yellow Pine)
*Texas & Louisiana Lumber Co. (Yellow Pine & Red Cypress Lumber, Lath, Pickets, Posts Timbers, Ties, etc.)
*Thompson-Tucker Lumber Co. (Yellow Pine)
*Trinity River Lumber Co. (L. & S. Leaf Pine, Lumber & "Gilbert's" Shingles)
*Ware, Wm. Lumber Co. (L. L. Pine Lumber, Interior Finish, Flooring, Fencing etc.)
JEFFERSON—*Torrans Mfg. Co. (Yellow Pine)
KELTYS—*Angelina County Lumber Co.
KENNARD—Louisiana & Texas Lumber Co.
LONGVIEW—*Brown, R. G. (Yellow Pine)
*Castleberry & Flewellen (Yellow Pine)
LODWICK—*Lodwick Lumber Co. (Yellow Pine)
LUFKIN—*Lufkin Land & Lumber Co. (Yellow Pine)
NACOGDOCHES—*Hayward Lumber Co. (Yellow Pine)
Nacogdoches Crate & Lumber Co.
OLIVE—*Olive-Sternenberg (Yellow Pine)
ORANGE—*Gilmer, A. (Est. of) (Yellow Pine)
*Lutcher & Moore Lumber Co. (Yellow Pine)
*Miller Link Lumber Co.
*Morgan, Robt., Sr. (Yellow Pine)
*Orange Lumber Co. (Yellow Pine)
SAN ANTONIO—*Vaughn Lumber Co. (Yellow Pine)
TENAHA—Parker, H. C. & Co. (Saw Mill)
TEXARKANA—*Buchanan, Wm. (Yellow Pine)
*Southern Pine Lumber Co. (Yellow Pine)
TRINITY—§Peyton, John B.
*Thompson, J. M. Lumber Co.
VOTH—Keith Lumber Co. (Yellow Pine)
WAUKEGAN—*Keystone Mills Co. (Yellow Pine)
WESTVILLE—*West Lumber Co. (Yellow Pine)
WILLARD—*Thompson & Tucker Lumber Co. (Yellow Pine)

UTAH.

PROVO—*Ward, E. J. & Sons (Lumber, Lath, Shingles, etc.)

VERMONT.

BARTON LANDING—*Chandler, F. L. Co.
*Skinner, French & Co.
BENSON—Fowler, J. M. (Saw Mill)
BETHEL—Weston, Ephr. M.
BRATTLEBORO—*Holden & Martin (Wood Mantels, Stair Finish, Boxes, Interior Finish
Johnson, Chas. C. (Saw Mill)
BRISTOL—Latrop, Noah (Saw Mill)
BURLINGTON—*Booth, J. R. (Lumber & House Finish)
§Crane, W. & D. G. (also Packing Boxes)
Robinson-Edwards Lumber Co. (Pine & Hardwood, Lath, Shingles & Flooring)
*Shepard & Morse Lumber Co. (Canadian & Western Pine)
CHELSEA—Goodwin & Davis (Saw Mill)
CUTTINGSVILLE—Jones, D. G. (Saw Mill)
DANBY—Risdon, D. C. & W. I. (Saw Mill)
EAST ARLINGTON—Judson Mfg. Co.
EAST BARNET—Roy Bros. (Saw Mill)
EAST DUMMERSTON—Crosby, F. F. (Saw Mill)
EAST RANDOLPH—Camp, D. J. (Saw Mill)
ESSEX JUNCTION—Brownell, S. A. & Co. (Saw Mill)
FAIRLEE—Perkins, S. W. (Saw Mill)
FOREST DALE—Churchhill, Geo. H. (Saw Mill)
GLEN—Leonard, W. C. (Saw Mill)
GREEN RIVER—Stowe, Hy. S. (Saw Mill)
GROTON—Ricker Bros. (Saw Mill)
HARDWICK—Sawyer, C. M. (Saw Mill)
HARTFORD—Pease, Horace C.
ISLAND POND—*Fitzgerald Land & Lbr. Co.
JOHNSON—Parker & Stearns (Saw Mill)
LINCOLN—Morgan, A. T. (Saw Mill)
LONDONDERRY—Wait, Ch. S. (Saw Mill)
MONTPELIER—Gisborne Co. (Saw Mill)
Richardson, Orville H. (Saw Mill)
MORETOWN—*Ward, H. O.
NORWICH—Sargent, E. P. (Saw Mill)
PEACHAM—Jennison, O. M. (Saw Mill)
PERU—*Hapgood, J. J. & Co.
RANDOLPH—Bass, B. G. (Saw Mill)
Marcott & Hayes
RAWSONVILLE—Bier, Fred D. (Saw Mill)
RIPTON—Huntley, W. S. (Saw Mill)
RUTLAND—*Rissell Bros.
Chaffee', F. Sons
SHARON—*Preston, A. B. (Shingles & Lbr.)
Sawyer, Otis C.
SOUTH BARTON—Willoughby Wood & Lumber Co.
SOUTH NEWFANE—Morse, J. F. (Saw Mill)
TOWNSHEND—Willard, Chas. H. (Saw Mill)
WAITSFIELD—Billings, Geo. N (Saw Mill)
Moriarty, W. & D. (Saw Mill)
WARREN—Parker, Pliny (Saw Mill)
WASHINGTON—Huntington, Chas. W. (Saw Mill)
WEST BRATTLEBORO—Davis, Chas. H. (Planing Mill)
Smith, Leslie (Planing Mill)
WEST DUMMERSTON—Taft, John (Saw & Shingle Mill)
WILLIAMSVILLE—Bingham, W. F. & Son
Merrifield, A. M. (Saw & Shingle Mill)
WINOOSKI—White, Robt. J.
WORCESTER—Camp, A. H. (Saw Mill)
Ladd, C. M. (Saw Mill)

VIRGINIA.

ABINGDON—*Preston & Bradley
ACHILLES—Rowe, B. A. & Son (Saw Mill)
BELFIELD—*Peart, Nields & McCormick Co. N. C. Pine, Box Shooks, Flooring, etc.)
CHARLOTTESVILLE—*Charlottesville Lumber Co.
*King Lumber Co.
CLAREMONT—*Arrington, H. J. Co. (Hardwood)
FRANKLIN—*Camp Mfg. Co. (N. C. Pine)
JARRATT — *Truitt-Vincent Co. (Lumber & Box Shooks)
LYNCHBURG—§Adams Bros.-Paynes Co. (Pine & Hardwood)
§Adams-Monroe Mfg. Co. (Millwork)
§Massie & Pierce
NORFOLK—*Angola Lumber Co.
Baylor & Cake (Saw & Planing Mills)
§Blake, Frank W.
§Briggs, G. S. & Co. (Air Dried, Edge Stocks, Box Grades, etc.)
§Bull, C. H. & Co. (N. C. Pine)
§Crockett Lumber & Pile Co.
§Dickson Lumber Co.
*Duke & Smith (N. C. & Georgia Heart Pine)
*Fosburgh Lumber Co. (Kiln Dried North Carolina Pine, Rough & Dressed)
§Freeman, E. B. (N. C. Pine Boards)
§Johnson, Charles R.
*Littleton Lumber Co. (N. C. Pine)
§McCullough, Frank W. (Large Timber, etc.)
§McKann, M. & Co. (Inc.)
§Norfolk Hardwood Co., 63 Haddington bldg
§Reed Bros. & Co. (Hardwood)
*Richmond Cedar Works
*Roanoke, R. R. & Lumber Co. (N. C. Pine)
§Robertson, W. W. & Co.
§Roper, John L. Lumber Co. (N. C. Pine, Flooring, Ceiling, etc.)
*Southern Pine Timber Co.
§Tilley, W. M. & Co. (Saw & Planing Mills)
§Trant, John H., Jr., Sanford bldg
§Virginia-Carolina Tie & Wood Co.
Watkins, E. A. & Bros. (Saw & Planing Mills)
*West Lumber Co.
§Wilson, Wood & Lumber Co.
PENNINGTON GAP—*Pennington Lumber Co. N. C. Pine)
PORTSMOUTH—§Hart, Jno. N. Lumber Co. (Saw & Planing Mill)
*Phillips & Mahoney (Saw & Planing Mill)
RICHMOND—§Ellington & Guy (Yellow & N. C. Pine), 200 S 9th
Francis, W. R. & Bros. (Saw & Planing Mill), 1200 Taylor
§Gunn, R. G., 2211 E Main
§Gunn, W. S. & Co., 1123 W Broad
Hardwicke, Chas. W. & Co. (Saw & Planing Mill)
Heppert, Jos. (Saw & Planing Mill), Graham c Catherine
*Montague Mfg. Co. (Saw & Planing Mill)
*Richmond Cedar Works (N-C Pine, Rough & Dressed, Band Sawed, Poplar, Cypress, Gum, etc.)
Richmond Wood Working Co. (Saw & Planing Mill), 14 N 7th
Siewers, Richard A. (Saw & Planing Mill), 604 W Canal
§Sitterding-Carneal-Davis Co. (Saw & Planing Mill), Lombardy c Moore
§Taliaferro & Co., 901 E Byrd
§Woodward & Son (Yellow & White Pine, Hardwood of All Kinds, etc.), 830 S 9th
SOUTH BOSTON—*Snow Lumber Co.
SUFFOLK—*Cramer, Alfred B. (N. C. Pine)
Gay Mfg. Co.
TEMPERANCEVILLE—Jones, J. H. (Saw Mill)
WEST POINT—Denmead Bros. (Saw Mill)
§Richardson, R. E. (Lumber)
WOODFORD—Bowie & Vaughan (Saw Mill)
WOODSTOCK—French, M. V. (Saw Mill)
Harris, I. H. (Saw Mill)
WYTHEVILLE—Crowgey, R. H. (Saw Mill)

WASHINGTON.

ABERDEEN—*Aberdeen Lumber & Shingle Co. (Lumber & Shingles)
*Aberdeen Mfg. Co. (Planing Mill)
*American Mills Co. (Lumber & Shingles)
Burrows, C. E. Lumber Co. (Saw Mill)
*Wilson Bros. & Co. (Saw & Planing Mill)
ACME—*Anderson, Nelson & Co. (Fir Lumber & Red Cedar Shingles)
ANACORTES—Anacortes Lumber & Box Co.
*Fidalgo Mill Co. (Shingles, etc.)
*Vincent & Owen (Shingles, etc.)
ARLINGTON—Brown & Kunze
*Lincoln Shingle Co. (Shingles, etc.)
*Yord Cedar Co. (Shingles, etc.)
Williams, Chas.
BALLARD—McLaughlin-Taylor Co.
*Motor Shingle Co.
*Seattle Cedar Lumber Mfg. Co. (Red Cedar Lumber & Shingles)
*Stimson Mill Co. (Lbr., Lath & Shingles)

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*Sobey Mfg. Co. (Red Cedar Shingles)
*Wiley-Schoemaker Co. (Shingles, etc.)
BELLINGHAM—*Bellingham Bay Lumber Co
*Bellingham Timber & Logging Co.
*De Can, D. H. (Shingles)
*Lake Whatcom Logging Co.
*Larson Lumber Co.
*Miller Bros. Shingle Mill Co.
Morrison Mill Co.
*Pancoast Shingle Co.
*Power, F. W. Co. (Shingles, etc.)
*Siemens Lumber Co.
*Standard Mfg. Co. (Shingles)
West Coast Timber Co.
Whatcom Falls Mills Co. (Saw Mill, etc.)
BIG LAKE—*Day Lumber Co. (Saw & Shingle Mills)
*Kellogg Shingle Co. (Shingles, etc.)
BLAINE—Blaine Shingle Co.
Eclipse Shingle Co.
*Erie Mill Co. (Shingles)
*Jenkins, H. L. Lumber Co. (Shingles, etc.)
Modern Shingle Mill
BLOCKHOUSE—Shurtz & Sons (Saw Mill)
Woods Bros. (Saw Mill)
BOTHELL—Oakville Shingle Co. (Shingles)
*Co-Operative Shingle Co. (Shingles)
BRYANT—Chapman, John
Larson, J. V.
Stimson Mill Co.
BUCKLEY—Defiance Lumber Co.
*Page Lumber Co. (Lumber & Shingles)
*Valley Mill Co. (Lumber)
BUCODA—*Mutual Lumber Co. (Shingles, etc.)
BURLINGTON—*Ross, H. F. (Shingles, etc.)
*Shaw-Cooper Shingle Co. (Shingles, etc.)
CAPE HORN—*McCrosky & Sons Lumber Co., L. P.
CASTLE ROCK—*Robin & Son (Shingles)
CEDARHOME—*Cedarhome Mill (Saw & Shingle Mills)
CENTRALIA—*Centralia Shingle Mills
Foron Bros.
Lincoln Creek Lumber Co.
*Martin, A. A. Lumber Co.
CHATTAROY—Sexton, J. F. & Co.
CHEHALIS—Chehalis Shingle & Lumber Co. (Cedar Posts & Shingles, etc.)
CHESAW—Richter Bros.
CHRISTOPHER—Meredith Lumber Co.
CLEARBROOK—Clearbrook Lumber Co. (Saw, Shingle & Planing Mill)
Miller, M. H. & Sons Mill Co.
CLEAR LAKE—Clear Lake Lumber Co.
CLE ELUM—Miller & Short (Saw Mill)
COLFAX—*Potlatch Lumber Co. (Lumber & Planing Mill)
COLVILLE—Wisner & Co. (Saw Mill)
CONCONULLY—Bolin, W. C. (Saw Mill)
COSMOPOLIS—*Grays Harbor Commercial Co. (Spruce & Red Cedar Shingles, Fir Tanks, Crossties, Poles, Dressed Lumber for Interior Finish, Ceiling, Siding, Wainscoting, Mill Work, Box Shooks, Mixed Cars of Lumber & Shingles, etc.)
COUPEVILLE—*Island Mfg. Co. Saw & Shingle Mill)
CRESTON—Peasley, J. D. & Son (Saw Mill)
CUSTER—*Willett, M. J. (Shingles, etc.)
DEER PARK—Standard Lumber Co. (Lumber, Lath & Shingles)
DEMING—*Alaska Shingle Co. (Shingles)
Dedman, M. L.
*United Shingle Co. (Shingles)
DRYAD—*Leudinghaus Bros. (Saw Mill)
DUNCAN—Case, G. R.
DUNGENESS—Fitzgerald, Chas.
EDGECOMBE—Edgecombe Mill Co.
Hill-Wilson Shingle Co.
EDMONDS—Brady Shingle Co.
*Edmonds Shingle Co. (Shingles)
*Mowat Lumber Co. (Shingles, etc.)
*R. & A. Mill Co. (Shingles, etc.)
Weatherproof Shingle Co.
*Yost, A. M. & Sons (Lumber & Shingles)
EHRLICH—Pingrey-Day Milling Co.
ELK—Consolidated Lumber Co.
ELMA—Cloquallum Shingle Co.
Servis & Hillis Mill Co.
*Vance Lumber Co. (Saw Mill)
*White Star Lumber Co. (Saw Mill)
ENTIAT—Gray, Geo. H. & Son (Saw Mill)
ENUMCLAW—*White River Lumber Co. (Saw
ETNA—*Harvey Mill Co. Mill)
EVERETT—*Blackman, C. A. (Shingles)
Cavalero Mill Co.
*Clark-Nickerson Lumber Co.
*Eclipse Mill Co. (Lumber & Shingles)
Everett Lumber Co.
*Everett Shingle Co. (Shingles)
*Perry-Baker Lumber Co. (Shingles, etc.)
Hulbert Lumber Co. (Loggers)
*Hyena Mill Co. (Shingles, etc.)
*McWilliams & Henry
*Mitchell Lumber Co.
*Northwest Mfg. Co. (Shingles, etc.)
*Robinson Mfg. Co. (Shingles)
Seifert, H. O. & Co. (Shingle Mill)
*Weyerhauser Lumber Co. (Yellow Fir Lumber)
EVERSON—Erb & Swaschka
Walker Shingle Co.
FAIRHAVEN—*Puget Sound Mills & Shingle Co. (Red Cedar Shingles & Lumber, Capacity 6,000,000 Shingles)
FALL CITY—*Fall City Lumber & Shingle Falls Mills Co. Mill (Shingles)
*McCannon, A (Shingles, etc.)
FERNDALE—Clarkson Mill Co.
Nooksack River Mill Co. (Shingles)
FLORENCE—Florence Shingle Co.
*Hals, Jno. (Shingles)
GATE—*Gate City Lumber Co.
GETCHELL—*Eggert, E. (Shingles)
*Springfield Shingle Co.
GOLDBAR — *Goldbar Lumber Co. (Saw &
GOLDENDALE—Klatt, W. C. Planing Mill)
Klickitat Pine Lumber Co.
GRAND MOUND—Boyer, M. L.
GRANITE FALLS—Chappell & Spithill Shingle Co. (Shingles)
*Swartz, Joseph (Shingles)
HADLOCK—*Washington Mill Co.
HAMILTON—*Eagle Shingle Co. (Shingles)
Hightower Lumber Co. (Saw Mill)
*Lyman Lumber Co.
HARRINGTON—Harrington Milling Co.
HARTFORD—*Hartford Shingle Co. (Shingles
Hartford Mfg. Co.
*Heath Shingle Co. (Shingles, etc.)
Rucker Bros.
HOCKINSON—Rawson, A. (Saw Mill)
HOMEVALLEY—Conner Watson Lumber Co.
HOQUIAM—Coats Shingle Co.
*Endressen, C. & Son (Shingles)
*Lytle Logging & Mercantile Co. (Logging)
*Northwestern Lumber Co. (Spruce, Fir & Cedar Shingles
*Polson Logging Co. (Loggers)
*Wood, E. K. Lumber Co. (Fir, Spruce & Box Mfrs.)
INDEX—Index Log & Lumber Co. (Saw Mill)
ISSAQUA—Eastlake & Trandum (Saw Mill)
*High Point Mill Co. (Shingles, etc.)
Vaughn, W. E. & Son (Saw & Planing
KALAMA—Kalama Lumber Co. Mill)
KELSO—Coweeman Driving & Rafting Co.
Metcalf Shingle Co. (Shingles) (Loggers)
Washington Red Cedar Mill Co.
KIRTLAND—*Kirtland Shingle Co.
KNAPTON—*Simpson Lumber Co.
LACENTER—Brothers, James W.
Oakdale Lumber Co.
*Martin, Victor
*Wilson, Thos.
LACEY—*Russell, Thos. N. (Shingles)
*Union Lumber Co.
LAKESIDE—Sullins, A. L.
LAWRENCE—Bridge Shingle Co.
*Pinkney & Hoff
LEWISVILLE—Baccus & Blaker
LITTELL—*Wisconsin Lumber Co.
LITTLEROCK—Viora Shingle Co.
LOOKOUT—Butters & McLeod
LOON LAKE—Holland-Horr Mill Co.
LYMAN—*Lyman Lumber Co.
Skagit Mill Co.
LYNDEN—*Heaton Bros. Co. (Shingles, etc.)
McCORMACK—*McCormack Lumber Co.
McMURRAY—Ross Lumber & Shingle Co.
MACHIAS—Bolcom-Bartlett Mill Co. (Shingles)
*McCullough, James (Shingles)
MALTBY—*Gray, A. V. (Saw & Shingle Mill)
MAPLE VALLEY—Smith & Christman Co (Fir Lumber & Red Cedar Shingles)
MARKHAM—*Markham Shingle Co.
MARYSVILLE—*Ebey Mill Co. (Shingles)
Harrington Shingle Co.
*Marysville Mill Co.
*Smith Mfg. Co. (Shingles)
Stimson Mill Co.
MILAN—*Spokane Lumber Co.
MONOHAN—*Allen & Nelson Mill Co. (Inc.), (Saw Mill, Lumber Mfrs., Piling, Loggers, Fir & Hemlock)
MONROE—Johnson, John (Saw Mill)
*Monroe Mill Co. (Shingles, etc.)
Wagner & Wilson
MONTBORNE—Nelson & Neal Lbr. Co.
MONTESANO—Clemens, Chas. H. (Loggers)
Wynoochee Lumber & Shingle Co.
MOUNTAINVIEW—*Lopas, J. & E. (Shingles)
MOUNT VERNON—*Cedardale Lumber Co.
*Little Mountain Shingle Co. (Shingles, etc.)
NAPAVINE—Dittmar & Springsteen Lumber
*Hawkins, H. A. (Fir) Co
Napavine Lumber Co.
Pitcher, H. (Saw Mill)
*Somersville Bros.
NOOKSACK—*Gillies Mill & Mfg. Co.
NORMAN—*Landerdale, R. A. (Shingles)
NORTH BEND—Tanner, L. B.
OCOSTA—Markham Shingle Co.
OLYMPIA—*Olympia Door Co. (Shingles, etc.)
*Olympia Lumber Co. (Shingles)
*Richardson, Harvey G. (Shingles)
ORILLA—*Orilla Lumber Co.
OSO—Hydraulic Power Mill Co.
OSTRANDER—Ostrander R'y & Timber Co.
PE ELL—*Yeomans, W. C.
PILCHUCK—*Parker, J. H.
POMEROY—*Potlatch Lumber Co. (Lumber & Planing Mill)
PORT ANGELES—*Eacreet Bros. (Shingles)
*Filion Mill & Lumber Co.
PORT BLAKELEY—*Port Blakeley Mill Co. (Telegraph Arms, Lumber, etc.)
*Walworth & Neville Mfg. Co. (Lumber & Planing Mill)
PORT CRESCENT—Puget Sound Mills & Timber Co.
PORT DISCOVERY—Lindstrom-Fisher Shin-
PORT GAMBLE—Pope & Talbot gle Co.
PRAIRIE—*Cain, D. J. & Co. (Shingles)
*Hoyt, J. M. & Co. (Shingles)
PRESTON—Preston Mill Co. (Red Cedar Fir & Spruce Lumber & Red Cedar Shingles)
PUYALLUP—*Morse, F. W. Mfg. Co.
RAINIER—Burnam, H. A.
RAYMOND—*Willapo Lumber Co. (Shingles, etc.)
REDMOND—*Redmond Lumber Co. (Shingles)
RENTON—Renton Mill Co. (Shingles, etc.)
SCOTIA—Graham, Chas.
SEATTLE — *Arrow Lumber & Shingle Co. (Shingles, etc.)
*Atlas Lumber & Shingle Co. (Fir, Red Cedar Lumber & Shingles), Alaska bldg
*Bennett, J. S. Lumber Co. (Shingles, etc.)
*Bolcom, H. C. Lumber Co. (Red Cedar Shingles). Alaska Bldg.
Brace & Hergert Mill Co. (Saw Mills)
*Bryant Lumber & Shingle Mill Co. (Lumber & Shingles)
*Carstens & Earles (Inc.) (Lumber & Shingles)
*Commercial Cedar Co. (Lumber & Shingles)
*Great Western Lumber Co. (Shingles, etc.)
§Herron Co. (R. R. Timbers, Fir & Car Materials)
*Lake Washington Mill Co. (Fir Lumber, Shingles, Laths, Turned Posts, Picket & Scroll Work)
§Moran Co. (Spruce, Cedar, Lumber, Spars & Piles)
*Newell Shingle Co., Bradford & 7th av. S (Saw & Planing Mills & Shingles)
*Nichols, C. H. Lumber Co. (White Pine)
*Northwest Lumber & Shingle Co. (Shin-
*Ohio Mill Co. (Shingles, etc.) gles, etc.)
*Old Oregon Mills (Shingles, etc.)
*Pacific Fir Co. (Timber, Piling, Ties, Red Cedar, Shingles, etc.)
*Pinkham Lumber Co.
*Reliance Lumber Co.
*Roy & Roy Mill Co. (Fir, Spruce & Red Cedar Lumber & Shingles)
*Seattle Cedar Lumber Co. (Siding, Moulding, Columns, Newells & Shingles, etc.)
*Seattle Lumber Co. (Fir Lumber, Lath & Red Cedar Shingles)
*Standard Lumber & Shingle Co.
*Stetson & Post Lumber Co. (Saw Mills)
*Stimson Mill Co. (Lumber, Shingles & Saw Mills)
*United States Lumber Co. (Shingles, etc.)
*Wilson, Robert S. (Lumber & Red Cedar Shingles)
SEDRO WOOLLEY—*Clark & Lennon (Shingles)
*Grand Rapids Shingle Co. (Shingles, etc.)
*Green Shingle Co. (Shingles & Loggers)
*Shrewsbury, H. H.
SEGUIN—*Seguin Shingle & Lumber Co.
SHELTON—*Hunter-Eaton Co.
*Simpson Logging Co.
*Western Washington Logging Co.
SHERLOCK—*Card, A. L. (Shingles)
SILVER BEACH—*Jerns, N. (Shingles)
Matson & Anderson
*Silver Beach Shingle Co.
SILVER LAKE—*Barnes, F. G. (Shingles)
SKYKOMISH—Skykomish Lumber Co.
SNOHOMISH—Advance Shingle Co.
*Ford-Shaw Lumber Co. (Shingles, etc.)
Guhr Lumber Co.
Morgan Bros. Co. (Saw Mill)
*Nenkirchen Bros. (Shingles, etc.)
Snohomish Lumber Co.
*Williams T. H. & Co. (Shingles)
*Wood & Iverson (Shingles)
SNOQUALMIE—Gove, G. W.
SOUTH BEND—Butz & Son, F. J.
*Cole Shingle Co.
*Columbia Box & Lumber Co.
*Kleeb Lumber Co.
*South Bend Mills & Timber Co.
*Willapa Logging Co.
SOUTH PRAIRIE—Lucas Lumber Co. (Saw Mill)
*Naylor Lumber Co. (Shingles, etc.)
SPOKANE—*Buckeye Lumber Co.
§Holland-Horr Mill Co.

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*Musser, Wm. Lumber & Mfg. Co. (Western White Pine Siding, Finish, Factory Plank, Mouldings & Box Shooks)
Robbins, H. G.
*Spokane Lumber Co.
*Stack-Gibbs Lumber Co.
*Yellow Pine Lumber Co.
STANWOOD—Becker Shingle Co.
Kent Shingle Co.
*Stanwood Lumber Co., (Shingles, etc.)
STARTUP—*Wallace Lumber & Mfg. Co.
STELLA—*Snider & Sons (Shingles)
SUMMIT—McDonald, R. R.
*Smith, I. J. (Shingles)
SUMAS—*Gillis Mill & Mfg. Co. (Lumber)
*Sumas Lumber Co. (Shingles, etc.)
TACOMA—*Adna Mill Co.
*Danaher, C. D.
*Defiance Lumber Co.
*Dempsey Lumber Co.
*Derickson & Co. (Saw & Shingle Mill)
*Foster Lumber Co.
*Gibbs, S. A. Co. (Lumber & Shingles)
*Harding Lumber Co. (Shingles, etc.)
*Hill Lumber Co. (Shingles, etc.)
*Howell-Hill Mill Co. (Shingles, etc.)
McNeely, E. J. & Co. (Lumber & Shingles)
*Metcalf Shingle Co. (Cedar Shingles)
*Mineral Lake Lumber Co. (Shingles, etc.)
*North End Lumber Co.
*Pacific Nat'l Lumber Co. (Shingles, etc.)
*Puget Sound Timber Co.
Robinson Lumber Agency
*St. Paul & Tacoma Lumber Co. (Fir, Cedar, Lumber & Shingles)
*Tacoma Mill Co. (Douglass Fir, Oregon Pine, Plank Timbers, Ship Plank, Flooring, Rustic Ceiling, Lath, Pickets, Staves, Spars, Piling, Red Cedar Shingles, etc.)
*Washington Mfg. Co. (Shingles, etc.)
*Wheeler, Osgood Co. (Red Cedar Doors, Ash, Blinds, Mouldings)
THORNWOOD—Cain, D. J. & Co. (Saw & Planing Mill)
TOLEDO—Badger Lumber Co.
TOLT—Tolt Mill Co.
UTSALADDY—*Puget Mill Co.
VALLEY—Dean Lumber & Fuel Co.
*Kulzer, Jno. G.
VANCOUVER—Du Bois Lumber Co.
*Pittock-Leadbetter Lumber Co. (Saw Mill)
WALLA WALLA—*Whitehouse-Crawford Co.
WENATCHEE—*Wenatchee Lumber Co.
WEST BRANCH—Washington Mill Co. (Saw Mill)
WICKERSHAM—*Reichert, D. J., Lumber & Shingle Co.
*Wickersham Shingle Co.
WINLOCK—Veness, J. A. (Saw Mill)
WOODENVILLE—*Grace Mill Co. (Shingles)

WEST VIRGINIA.

ASBURY—*Alderson, S. I. (Lumber)
BECKLEY—Calloway, C. M. (Saw Mill)
BERKLEY SPRINGS—Crossfield, Wm. (Saw Mill)
BLUEFIELD—*Georgia Lumber Co. (Saw & Planing Mill)
BUCKHANNON—*Alton Lumber Co. (Hardwood)
Henry, J. L. Lumber Co.
*Stockert, G. F. & Son
*Stockert, T. L.
CAMDEN ON GAULEY—*Cherry River Boom & Lumber Co. (Hardwood)
CENTRAL CITY—Callaway, C. M. Lumber Co.
CHARLESTON—Boone Timber Co.
*Charleston Lumber Co. (Saw & Planing Mill)
*Courtney, D. G. (Poplar & Oak Lumber, R. R. Ties, Bill Stuff Light Cooperage Stock)
*Donaldson Lumber Co.
Yellow Pine Lumber Co.
ELKINS—Cheat River Lumber Co.
Elkins Pail & Lumber Co.
Wildell Lumber Co.
GLEN JEAN—Hogg Lumber Co.
HAMBLETON—*Elk Lick Lumber Co.
*Otter Creek Boom & Lumber Co. (Hemlock)
LOCK SEVEN—*Mohler Lumber Co. (Poplar, Oak, Walnut & Ash)
NICOLETTE—*Nicolette Lumber Co.
PARKERSBURG—Citizens' Lumber Co.
*Everglade Cypress Lumber Co.
*Jackson, J. M., Lumber Co.
Parkersburg Mill Co.
*Smith & Seaman (Hardwoods)
Wilson, H. S. & Son
Withers-Van Devender Co.
PICKENS—*Holly Lumber Co.
RALEIGH—*Raleigh Lumber Co. (Cut Timber)
RICHWOOD—Cherry River Boom & Lumber Co.
ST. ALBANS—*Bowman Lumber Co.
SATTES—*Knight Lumber Co. (Yellow Pine)
SUTTON—Bright, Amos
Waggy, Henry
UPPERTRACT—Dahmer, C. E. & Bro. (Saw Mill)
WELCH—*Sudduth, E. H. Lumber Co.
WESTON—*Hinkle, S. & Co.
Weston Lumber Co.
WHITE SULPHUR SPRINGS—*Huddleston, A. E. (White Pine, Saw & Planing Mill)
WILLIAMSON—Harris, W. A. Lumber Co. (Saw & Planing Mill)

WISCONSIN.

APPLETON—Appleton Lumber & Fuel Co.
*Fountain Lumber Co. (Saw & Shingle Mill)
§Jones, G. W. Lumber Co. (Hardwood)
ASHLAND—*Lake Superior Lumber & Box Co.
*Schroeder, John Lumber Co.
§Scott-Taylor Co.
ATHENS—*Athens Mfg. Co.
*Braun Bros. & Co. (Lumber & Staves)
*Rietbrock Land & Lumber Co.
BAILEYS HARBOR—*Pruter, Louis (Shingles)
BARRON—Interstate Lumber Co.
BAYFIELD—Bayfield Mill Co. (Saw Mill)
Boutin, Frank, Sr. (Logging, etc.)
*Wachsmith Lumber Co.
BELOIT—*Beloit Lumber Co.
BERLIN—Allen, C. W., Lumber Co.
*Wilbur Lumber Co.
BIRNAMWOOD—Andrews & Roepke Lumber Co. (Saw Mill)
BLANCHARDVILLE—Blanchardville Lbr. Co.
BRILLION—Brillion Lumber Co.
BRUCE—*Beldenville Lumber Co. (Hardwood & Veneer)
CABLE—Rogan Bros. (Saw Mill)
CAZENOVIA—Bohn, E. A. (Saw Mill)
CEDERBURG—*Hilgen Mfg. Co. (Builders' Mill Work)
CHIPPEWA FALLS—Chippewa Lumber & Boom Co. (White Pine)
Stanley, F. G. & C. A. Co. (Saw Mill).
COLEMAN—*Bolles, E. E. & Co.
CRANDON—Carpenter Bros. (Saw Mill)
§Kieth & Hiles Lumber Co.
CUMBERLAND—*Beaver Dam Lumber Co.
DANCY—Altenberg & Stoddard (Saw Mill)
DRUMMOND—*Rust-Owen Lumber Co. (Cork, White Pine, Pattern, Box Materials, Beveled Siding & Factory Stock)
DUNBAR—*Girard Lumber Co. (Lumber, Lath, Shingles, Piling, Posts, Ties, etc.)
EAU CLAIRE—*Dells Lumber & Shingle Co.
*Northwestern Lumber Co. (White Pine & Basswood)
Shaw, Daniel Lumber Co.
EDGERTON—§Heddles Lumber Co.
ELKHORN—*Elkhorn Lumber Co.
ELLSWORTH—Hines, Frank (Saw Mill)
McLeod, John & Sons (Saw Mill)
ELMHURST—Nelson, E. F. (Saw Mill)
*Wunderlach, George H.
FAIRCHILD—*Foster, N. C. Lumber Co.
FENWOOD—*Fenwood Lumber Co.
FOND DU LAC—*Moore & Galloway Lumber Co.
FORT ATKINSON—Wilcox Lumber Co.
*Zenger-Hoffman Lumber Co.
GALESVILLE—*Farrand, I. S.
GRAND RAPIDS—*Arpin Hardwood Lbr. Co.
§Arpin, John Lumber Co.
§Kellogg Bros. Lumber Co.
*Pigeon River Lumber Co.
GREEN BAY—*Diamond Lumber Co.
Valentine-Clark Co. (Cedar Posts, etc.)
GRESHAM—Morgan, O. E. (Saw Mill)
GURNEY—*Somers-Timm Lumber Co. (Hardwood & Hemlock)
HALWAY—Liberty, H. A. (Saw Mill)
HARTFORD—*Dennison, Liver & Coerper
HAYWARD—*North Wisconsin Lumber & Mfg. Co. (White Pine)
HAWKINS—*Ellinson Lumber Co.
HAWTHORNE—Bonnell, W. H. (Saw Mill)
*Duluth Log Co. (Shingles, Posts & Piles)
HAZELHURST—Yawkey, Bissell Lumber Co. (Box Shooks, Lumber & Egg Cases, Crates, etc.)
HORTONVILLE—Diestler Co. (Saw & Planing Mill)
HUDSON—*Central Lumber Co.
INDEPENDENCE—*Sprecher & Schafer
INGRAM—*Ingram Lumber Co.
IOLA—Wipf, J. & C.
JANESVILLE—*Thoroughgood & Co. (Cigar Box Lumber)
KENOSHA—*Montgomery Lumber Co.
KEWAUNEE—*Duvall, Jos. & Co.
KIEL—*Laun, J. B.
KIMBALL—*Kimball & Clark (Hemlock & Hardwood Lumber, White Cedar Shingles, Basswood & hemlock lath)
LAC DU FLAMBEAU—*Flambeau Lumber Co.
LA CROSSE—*Colman, C. L. Lumber Co. (Lumber, Shingles & Saw Mills)
*Segelke & Kohlhaus Mfg. Co. (Sash, Doors & Mill Work)
LADYSMITH—Corbett, Robt. Lumber Co.
LAFARGE—*Lafarge Lumber Co. (Saw Mill)
LOST CREEK—Harshman, F. L. (Saw Mill)
LOYAL—Christman, B. (Saw Mill)
Graves, A. A. (Saw Mill)
McMILLAN—*McMillan, B. F. & Bro. (Hemlock, Pine & Hardwood)
MADISON—*Brittingham & Hixon Lumber Co.
*Brittingham & Young Co. (Basswood, Birch, Soft Elm, Maple, White Pine)
MARINETTE—*Hamilton & Merryman Co. (Lumber & White Pine & White Cedar, Shingles, Lath, etc.)
*Lieber & Noal Mfg. Co. (Shingles)
Ludington, N. Co. (White & Norway Pine, Lath & Shingles & Saw Mill)
*Merryman Mfg. Co. (Lumber, Lath & Shingles)
Sawyer-Goodman Co. (Pine, Hemlock, Hardwood, Lath, Shingles, Beveled Siding, Posts, etc.)
§Wright Bros. Co. (Cedar, Posts, Poles, Ties, Shingles, White Pine, etc.)
MASON—*White River Lumber Co.
MELLEN—*Foster, Latimer Lumber Co. (Saw & Planing Mill)
MENOMONIE—*Wilson-Weber Lumber Co.
MERRILL—*Anson-Hixon Sash & Door Co. (Mouldings, Interior Finish)
*Gilkey & Anson Co. (Lumber, Lath, Shingles & Box Shooks)
*Langley & Alderson (Loggers)
*Smith Hardwood Lumber Co.
*Wright, H. W. Lumber Co.
MILWAUKEE—§Bergland, G. A., Matthews bldg
§Cooper & Maxson Lumber Co. (Basswood Siding, Basswood Hemlock, White Pine & Birch Lumber, Cedar Poles, Posts & Shingles)
Curtis & Yale Co. (Hardwood, Flooring, Basswood Ceiling & Siding, Pine Dimensions, Shingles, etc.), Loan & Trust Bldg
Devere & Schloegel Lumber Co., 7th av c Park
Forster Lumber Co., 428 Grand Av Park
Hilty, M. Lumber Co. 1119 St. Paul av
§Johnson Lumber Co. (Soft Cork Pine), 204 Grand av
§Landeck Lumber Co. (Hardwoods, Basswood, etc.), 120 Wisconsin
Milwaukee Lumber Co., 3002 Lisbon av
§Noble, Geo. P. (Pine & Hardwood), Wells bldg
*Rietbrock Land & Lbr. Co., 107 Wisconsin
*Schroeder, John Lumber Co., ft of Walnut
Simpson, E. B. & Co., 151 6th
§Steinman Lumber Co. (Lumber, Lath & Shingles), Park & 8th av
§Tegge Lumber Co. (Hardwood), 684 Park
§Tibbits-Cameron Lumber Co.
*Wilbur Lumber Co., Pabst bldg
MISHICOT—Rhodes, Aug. (Saw Mill)
Schimmel, N. & Co. (Saw Mill)
MORRIS—Buckstaff-Sprague Lumber Co.
MOSINEE—Mosinee Log, Land & Lumber Co. (Saw Mill, Loggers, etc.)
NEW GLARUS—*New Glarus Lumber Co.
NEW LONDON—*Hatten Lumber Co. (Hardwood)
NEW RICHMOND—*Willow River Lumber Co.
NILES—Johnson, J. M. (Saw Mill)
NORWALK—Walz, Geo. A. (Saw Mill)
OCONTO—*Holt Lumber Co. (Saw Mill)
ODANAH—*Stearns, J. S. Lumber Co. (White Pine)
ONTARIO—*Sandon, E. W.
OSHKOSH—*Fountain-Campbell Lumber Co.
*Hollister, Amos & Co.
Morgan Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc.; Shingles, White Cedar, Red Cedar & Pine)
*Morgan Lumber & Cedar Co.
*Paine Lumber Co. (Mill Work)
*Radford Bros. & Co. (Saw Mill, etc.)
*Wagstaff, W. J. (Flooring, Finish, Cedar Shingles, etc.)
*Wall-Spalding Lumber Co.
OWEN—*Owen, John S. Lumber Co. (Pine & Hardwood)
PELLA—*Groskopff, Fred. A. (Saw Mill)
PESHTIGO—*Constine, C. & Son (Lumber & Cedar)
*Peshtigo Lumber Co. (Saw Mill)
PHILIPS—*Davis, John R. Lumber Co. (Pine & Hemlock, Hardwood, etc.)
PLATTEVILLE—*Eastman, M. Lumber Co.
POLAR—Polar Mfg. Co. (Saw Mill)
Tyrell, G. & Son (Saw Mill)
RED CLIFF—*Red Cliff Lumber Co.
RHINELANDER—Brown Bros. Lumber Co.
*Mason-Donaldson Lumber Co. (Hemlock & Hardwoods)
*Queal, J. H. & Co.
*Robbins Lumber Co. (Pine, Lumber, Lath & Shingles)
Stevens Lumber Co. (Saw Mill)
RIB FALLS—*Baeseman, C. H.
RIB LAKE—Mathe, J. & Co. (Saw Mill)
Rib Lake Lumber Co.
RICE LAKE—*Rice Lake Lumber Co. (White Pine)
RICHLAND CENTER—*Krouskop, A. H. (Hardwood Lumber, Basswood, etc.)
SCANDINAVIA—Wrolstad, John O. (Saw Mill)
SCHLEISINGERVILLE—Kletti, John (Saw Mill)
SCHOFIELD—*Brooks & Ross Lumber Co. (Pine, Hemlock & Lath—Shingles, Pickets, etc.)
SEYMOUR—Miller & Piehl (Saw Mill)
SHEBOYGAN—Freyburg, C. B. (Lumber Co. Shingle Mills, etc.)
*Wisconsin Timber & Land Co.

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SOLDIERS' GROVE—Peterson, A. (Saw & Planing Mill)
STEVENS POINT—*Clifford Lumber Co.
*Stevens Point Box Co. (Box Shooks)
*Week, John, Lumber Co.
STILES—*Eldred, Anson Co.
STRATFORD—*Conner, B. Lumber Co.
STURGEON BAY—*Pankrats Lumber Co.
*Washburn, N. S. & Co.
SUPERIOR—§Paine, Mark, Lumber Co.
*Rogers & Ruger Lumber Co.
SURING—Wagner, M. (Saw Mill)
TAUS—Boehm, Joseph (Lumber & Shingles)
TAVERA—Ellsworth, M. D. & Co. (Saw Mill)
THORP—Boardman, E. A. & Sons (Saw Mill)
Bobb, Peter E. & Co. (Saw Mill)
§Nye, Lusk & Hudson Co. (Pine & Hardwood)
TIGERTON—Badger Lumber Co. (Saw Mill)
*Tigerton Lumber Co.
TOMAH—Goodyear, C. A. Lumber Co.
TOMAHAWK—*Bradley Co. (Lumber, Lath & Shingles)
TONY—Hein, John Co. (Saw Mill)
WABENO—*Wabeno Lumber & Mfg. Co.
WASHBURN—*Akeley & Sprague
WAUSAU—Barker & Stewart Lumber Co. (Saw & Planing Mill)
*Curtis & Yale Co. (Hardwood Flooring, Basswood, Ceiling & Siding, Pine Dimensions, Shingles, etc.)
*Fenwood Lumber Co.
*Goodwillie Bros. (Box Shooks & Lumber)
*Mortenson, Jacob Lumber Co. (White & Norway)
*Mortenson & Stone
*Stewart, Alex. Lumber Co. (Lumber, Lath & Shingles)
*Thompson-Flieth Lumber Co.
*Wausau Box & Lumber Co. (Lumber & Box Shooks)
*Wisconsin Box Co. (Pine & Basswood Lbr. & Box Shooks)
*Wisconsin & Arkansas Lumber Co.
WAUSAUKEE—*Bird & Wells Lumber Co. (White Pine & Cedar Lumber, Lath, Shingles, Ties, Poles & Posts)
Kuchenbecker Bros. (Saw Mill)
WAYSIDE—Haese, Aug. (Saw Mill)
WESTBORO—*Westboro Lumber Co.
WINNECONNE—*Winneconne Lumber Co.

WYOMING.

EVANSTON—§Atkinson, J. L. (Saw Mill & Lumber)
SUNDANCE—Sluss, Ira B. (Saw Mill)

Lumber Mfrs. & Wholesalers (Gum)

Askins & Dircks Lumber Co., Union City, Tenn.
Bacon-Nolan Hardware Co., Memphis, Tenn.
Bennett & Witte, Cincinnati, O.
Beyer, Knox & Co., Buffalo, N. Y.
Buffalo Hardwood Lumber Co., Buffalo, N. Y.
Cincinnati Cigar Box Lumber Co. (Gum Lumber Veneered), Cincinnati, O.
Cleveland Lumber & Mfg. Co., Cleveland, Tenn.
Cypress Lumber Co., Boston, Mass.
Darling, J. W. Lumber Co., Cincinnati, O.
Dillman Planing Mill Co., Kennett, Mo.
Dickson, J. W. Lumber Co., Memphis, Tenn.
Druke Hardwood Lumber Co., Main c Clinton, St. Louis, Mo.
Elias, G. & Bro., Buffalo, N. Y.
Empire Lumber Co., Buffalo, N. Y.
Farrin-Korn Lumber Co., Cincinnati, O.
Fee-Crayton Hardwood Lumber Co., Little Rock, Ark.
Himmelberger-Harrison Lumber Co. (Red Gum), Hurd, O. P., Jr., Cairo, Ill. Morehouse, Mo.
Jones, G. W. Lumber Co., Appleton, Wis.
Kentucky Lumber Co., Cincinnati, O.
Lamb-Fish Lumber Co. (Band Sawed), Memphis, Tenn.
Little Lumber Co. (Red Gum), St. Louis, Mo.
Luehrmann, C. F. Hardwood Lumber Co., St. Louis, Mo.
McLean, Hugh Lumber Co., Buffalo, N. Y.
Miller, Anthony, Buffalo, N. Y.
Mock, W. S. (Lumber & Mfrs. Barrels, Black Gum), Hallwood, Va.
Mosberger-O'Reilly Lumber Co., 653 Morin av, St. Louis, Mo.
National Cooperage & Woodenware Co., Peoria, Ill., & 16 Exchange pl, New York
Ocmulgee River Lumber Co., Lumber City, Ga.
Paepcke-Leicht Lumber Co., W Chicago av & N Sangamon, Chicago, Ill.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Perkins & Pettibone, Louisville, Ky.
Radina, L. W. & Co., Cincinnati, O.
Richmond Cedar Works, Richmond, Va.
Roper, John L. Lumber Co., Norfolk, Va.
Sanders, J. S. & J. B. (Green Gum), Islandton, S. C.
Scratchard & Son, Buffalo, N. Y.
Smith, W. E. Lumber Co., Memphis, Tenn.
Sondheimer, E. Co., Chicago, Ill.
Standard Hardwood Lumber Co., Buffalo, N. Y.
Stewart, I. N. & Bro., Buffalo, N. Y.
Stone, T. B. Lumber Co., Cincinnati, O.
Sutherland-Innes Co., 29 B'way, New York
Taylor & Crate, Buffalo, N. Y.
Thomas & Proets Lumber Co., St. Louis, Mo.
Thompson, James & Co., Memphis, Tenn.
Three States Lumber Co., Tennessee Trust bldg, Memphis, Tenn.
Waccamaw Lumber Co., Bolton, N. C.
Ward Lumber Co., Whiting, Mo.
Werner, Louis Saw Mill Co., St. Louis, Mo.
West Florida Hardwood Co. (Red Gum), Marysville, Fla.
Wiborg & Hanna Co., Cleveland, O.
Yeager, Orson E., Buffalo, N. Y.

*Lumber (Pattern)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Lumber (Southern Hardwood)

Farrin, M. B. Lumber Co. ("Century" Oak Flooring, Poplar Siding, etc.), Cincinnati, Ohio
WOOD-MOSAIC FLOORING & LUMBER Co., Main Office & Factory, Rochester, N. Y. (See adv. index & branch offices, end of book)

Luxeberry Wood Finish

Berry Bros. (Ltd.), Main Office & Factory: Detroit, Mich.

Lye

Harshaw, Fuller & Goodwin Co. (Powdered), Cleveland, O.
Penna. Salt Mfg. Co. (Greenwich, American & Powdered), 115 Chestnut, Phila., Pa.

*Macadam Plants

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Macadam Roads

(See Contractors, General)

Machine Parts (Finished)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Franklin, H. H. Mfg. Co. (Standard & Special, "Franklin" Metal Finished Castings), Syracuse, N. Y.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
Norton Grinding Co. (& Grount to Order, Shafts, Rolls, Spindles, Piston Rods, Crankshafts, etc.), Worcester, Mass.
Richmond Forgings Corp'n, Belle Isle, Richmond, Va.

*Machine Parts (Hardened & Ground)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)

Machine Screw Work

(See Screw Machine Work)

Machine Shop Furniture

Leglen, Ellerman Co. (Finished Castings), Dayton, O.
New Britain Machine Co., New Britain, Conn.

*Machine Tools

(For Manufacturers of Machine Tools see the specific article; for Dealers, see Machinists' Tools & Supplies; also Machinery Dealers, New & Second-Hand)

CLEVELAND TWIST DRILL CO., Lakeside & 49th, Cleveland, O. (See adv. index, end of book)

Starting rheostats and speed regulators for all classes of motor-driven machine tools. THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis.



MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
VOELKNER & HARRY MANUFACturing Co. (Special), 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)

Machine Work (Automatic)

Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.

*Machine Work (General Contract)

REEVES BROS. CO., Alliance, O. (See adv. index, end of book)

Machinery

(For Dealers in Machinery, see Machinery Dealers, New & Second-Hand; also Machinists' Tools & Supplies)

Note.—For various kinds of Machinery Manufacturers see sub-classifications of this head following in their regular alphabetical order. See also Drills of various kinds; Lathes of various kinds; also Planers, various kinds; also Sugar Machinery; also Textile Machinery, etc.; also Air Compressors; also Blowers; also Conveyors; also Cranes; also Dynamos & Motors; also Elevators; also Engines; also Locomotives; also Presses of various kinds; also Pumps; also Road Rollers of various kinds; also Rock & Ore Crushers. For page numbers, see Index of Contents.

(See also Machinists & Founders)

Abrading Machines

Clark & Mills Electric Co. (for Testing Road Making Materials), 543 Boylston, Boston, Mass.
International Instrument Co., 23 Church, Cambridge, Mass.

Acid Cleaning Machines

Torrington Mfg. Co., Torrington, Conn.

Adding Machines

(See also Calculating Machines; also Typewriters, Adding & Billing)

Adder Machine Co. ("Wales" Visible Listing & Adding), Wilkes-Barre, Pa.
Adding Machine Co., Wilkes-Barre, Pa.
Arithmograph Co., 296 B'way, New York
Automatic Adding Machine Co. ("Gem" & "Automatic"), 332 B'way, New York
Beach-Kauffman Mfg. Co. ("Beach"), 61 W Fort, Detroit, Mich.; Works: Newark, N. J.
Brandt Cashier Co., Monadnock blk, Chicago, Ill.
Brunsviga Calculating Machines ("Brunsviga" & "Burkhard"), Land Title bldg, Philadelphia, Pa.
Burroughs Adding Machine Co., Detroit, Mich.
Bundy Mfg. Co., Endicott, N. Y.
†Comptograph Co., 146 Blackhawk, Chicago, Ill. & 198 B'way, New York
Connecticut Computing Machine Co., New Haven, Conn.
Eaton-Hough Co., 237 B'way, New York
Elliott-Fisher Co., 329 B'way, New York
Ensign Mfg. Co. ("Ensign" Electric), Waltham, Mass.
Felt & Tarrant Mfg. Co. (Comptometers, Adding, Billing), 856 N Paulina, Chicago, Ill.
Hamburger, Felix ("Brunsviga" Computing Machines), 78 5th av, New York
Locke, C. E. Mfg. Co., Kensett, Ia.
†Mechanical Accountant Co., 17 Warren, Providence, R. I.

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Morschhauser, W. A. ("Millionaire"), 1 Madison av., New York
Morse & Walsh Co. (Calcumeter), Trenton, N. J.
Morse, Herbert N. ("Calcumeter" Desk), Trenton, N. J.
Muller, Oscar & Co. ("Saxonia"), 32 B'way, New York
National Adding Machine Co., Cleveland, O.
Rapid Computer Co. (Rapid Computer), Benton Harbor, Mich.
Reuter, Carl H. ("Brunsviga" & "Burkhard"), Land Title bldg, Phila., Pa.
Standard Adding Machine Co., Spring av. & Forest Park boul., St. Louis, Mo.
Universal Adding Machine Co. (Hand or Electric), St. Louis, Mo.
Wales Adding Machine Co., 237 B'way, New York
Weeks, A. A. Mfg. Co. ("Victor"), 11 Gold, New York

Addressing & Mailing Machines

Addressograph Co., 232 W Van Buren, Chicago, Ill.
Agnew Auto-Mailing Machine Co. (Mailing Machines Only), 156 Pearl, Boston, Mass.
Challenge Machinery Co., Grand Haven, Mich.
Elliott Co., 100 Purchase, Boston, Mass.
Mercantile Addressing Machine Works, 1 Madison av., New York
Pollard-Alling Mfg. Co., 312 E 23d, New York
Standard Addressing Machine Co., 310 B'way, New York
Wallace & Co., 29 Murray, New York

Amatite Paper Machines

Haberkamp, Wm. Machine Works, 09 N Wells, Chicago, Ill.

Angle Straightening Machines

Brodesser Elevator Mfg. Co., Milwaukee, Wis.
Kane & Roach, Syracuse, N. Y.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Gibbs-Brower Co. (Elliott), 261 B'way, New York
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
United Engineering & Foundry Co. (For Rolling Mills), Farmers' Bank Bldg., Pittsburg, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

Angular & Ratchet Drilling Machines

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.

Annealing Machines

(See also Furnaces, Annealing & Case Hardening)
AMERICAN GAS FURNACE CO. (Gas), 24 John, New York, & Elizabeth, N. J (See adv. index, end of book)
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Anvil, Vise & Drilling Machines (Combined)

Bonney Vise & Tool Works ("Gipsey"), Allentown, Pa.

Apple Butter Machinery

SPRAGUE CANNING MACHINERY Co. (Hand & Power), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Apple Evaporating Machinery

Boutell Mfg. Co., Rochester, N. Y.

Apple Grating Machines

Boomer & Boschert Press Co., Syracuse, N. Y.
Emeny, G. J. Co., Fulton, N. Y.
Hydraulic Press Co., Mount Gilead, O.
Klotz Machine Co. ("Hero"), Sandusky, O.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Apple Paring Machines

Boutell Mfg. Co. ("Rival," "Triumph," Hand & Power), Rochester, N. Y
Sinclair, Scott Co., Baltimore, Md.
SPRAGUE CANNING MACHINERY Co. (For Canners, Hand & Power), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Apple Quartering Machines

Boutell Mfg. Co. ("Pease"), Rochester, N. Y.

Apple Slicing Machinery

Boutell Mfg. Co. ("Pease," "Rotary," "Rochester" Self Feed, "Perfect" Self Feed & "Sun"), Rochester, N. Y

Armature Banding Machines

American General Engineering Co. ("A. G. E." Self-Contained), 253 B'way, New York
Columbia Machine Works & Malleable Iron Co. ("Columbia"), 269 Chestnut, Brooklyn, N. Y
Device Improvement Co. ("Peerless," Combined Tension & Banding), Hanover Pa.
Ridlon, Frank Co., Boston, Mass.
Smith & Wallace, Woburn, Mass.
Wood, Chas. N. Co., Boston, Mass.

Armature Coil Taping Machines

Griswold, Geo. M., New Haven, Conn.
Ridlon, Frank Co., Boston, Mass.

Armature Coil Winding Machines

American General Engineering Co. (Armature & Field, "A. G. E."), 253 B'way, New York
Comstock, J. F. & Co., Wilkes-Barre, Pa.
Ridlon, Frank Co., Boston, Mass.

Armature Disc Notching Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Artesian Well Machinery

(See Well Drilling Machinery)

Ash Handling Machinery

(See Conveyors, Coal & Ash; also Coal & Ore Handling Machinery; also Coal Storage Plant Construction)

Asphalt Machinery

(See also Asphalt Mixers; also Furnaces, Asphalt, Pitch & Tar; also Heaters, Asphalt)
Buffalo Steam Roller Co., Buffalo, N. Y.
Cummer, F. D. & Son Co., The Arcade, Cleveland, O.
Hetherington & Berner Co., Indianapolis, Ind.
Iroquois Iron Works, Buffalo, N. Y.
Pioneer Machine Works (Jas. Hartley, Prop.), (Road Making), 75 Delevan, Brooklyn, N. Y.
Warren Asphalt Paving Co. (For Asphalt Paving, etc.), Cambridge, Mass.

Auger Brick Machines

American Clay Machinery Co., Bucyrus, O.
Bonnot Co., Canton, O.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Steele, J. C. & Son, Statesville, N. C.

Automatic Packaging Machines

Automatic Packaging Co., Buffalo, N. Y.

Automatic Turret Machines

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Automatic Machine Co. ("Cleveland," also Automatic Plain Machines), Cleveland, O.

Automatic Weighing Machines

Automatic Packaging Co. ("Weyant"), Buffalo, N. Y.
Automatic Weighing Machine Co., Newark, N. J.
Avery Scale Co. ("Avery" Automatic Self-Indicating & Totaling), North Milwaukee, Wis.
Bond Scale Co. (Bond Automatic), Los Angeles, Cal.
Hardy, John B. (Electric), 116 Broad, New York
National Automatic Weighing Machine Co., Mt. Kisco, N. Y.
New England Automatic Weighing Machine Co. (For Weighing & Bagging Cement), 275 Congress, Boston, Mass.
Richardson Scale Co., 3 Park row, New York
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Smidth, F. L. & Co., 50 Church, New York
Streeter-Amet Weighing & Recording Co., 140 Dearborn, Chicago, Ill.

Automobile, Bicycle, Sewing Machine & Typewriter Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
PRENTISS TOOL & SUPPLY CO. (Complete Plants), 115 Liberty, New York. (See adv. index & branch offices, end of book)

Automobile Cylinder Boring Machines

Binsse Machine Co., Harrison, N. J.
Davis, W. P. Co., Rochester, N. Y.
Espen-Lucas Machine Works, Philadelphia, Pa.
Lucas Machine Tool Co., Cleveland, O.

Axe Handle Machinery

(See Lathes, Handle Turning)

Axle Cutting-Off & Centering Machines

FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)

Axle Upsetting Machines

AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
Comstock, Geo. S. (Hand Power), Mechanicsburg, Pa.

Axle Welding & Upsetting Machines

Kane & Roach, Syracuse N. Y.

Badge Pin Machinery

Baird Machine Co., Oakville, Conn.

Bag Filling Machines

(See also Packing Machines)
Brown Bag Filling Machine Co. (For Filling & Sealing Flat Paper Bags), Fitchburg, Mass.
Dentler Bagger Co., Vicksburg, Mich.
New England Automatic Weighing Machine Co., 275 Congress, Boston, Mass.
O'Brien, A. P. (Sacking & Weighing), Richmond, Va.
Richardson Scale Co. ("Richardson" Proportioning & Bagging), 3 Park row, New York
Ross, Chas. & Son Co., 145 Classon av, Brooklyn, N. Y.
Sawyer, W. H. & Sons, Americus, Ga.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Vierengel, Matthew (Paper Cement), 32 S 6th, Brooklyn, N. Y.

Bag Printing Machines

General Mfg. Co., Elkhart, Ind.

Bag Making Machinery

Crompton & Knowles Loom Works (Looms), Worcester, Mass.
Royal Machine Co., 61 N. J. R. R. av., Newark, N. J.
Vierengel, Matthew (Cement), 32 S 6th, Brooklyn, N. Y.

Bag & Sack Filling & Sewing Machines

SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Bakers' Machinery

(See also Confectioners' Machinery)
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Bale Tie Machines

Collins Plow Co., Quincy, Ill.
Dain Mfg. Co., Ottumwa, Iowa
Dederick's, P. K. Sons, Albany, N. Y.
Des Moines Bale Tie Co., Des Moines, Iowa
Eclipse Hay Press Co., Kansas City, Mo.
Ertel, Geo. Co., Quincy, Ill.
Famous Mfg. Co., East Chicago, Ind.
Kansas City Hay Press Co., Kansas City, Mo.
Porter, J. E. Co., Ottawa, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Scott Hay Press Co., Kansas City, Mo.
Whitman Agricultural Co., St. Louis, Mo.

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(*a*) We are 31 years old, having been established since 1877. Each year we have secured a stronger foothold in the export field.

(*b*) We have advertisers who have been with us throughout these 31 years.

(*c*) 650 advertisers use our columns continuously and regularly, averaging 140 pages an issue.

(*d*) Our circulation each month reaches a new "high water mark."

(*e*) We have hundreds of letters recently from our clients proving that our advertising space gives excellent results.

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135 WILLIAM STREET, NEW YORK CITY

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Conducted by Export Specialists

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GRAY MOTOR CO., DETROIT, MICH.

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Band Re-Sawing Machines

(See also Band Sawing Machines)

ALLIS-CHALMERS CO. (Horizontal), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bentel & Margedant Co., Hamilton, O.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman-Rechtin Co., Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Fischer, E. Machine Works (Engelbert Fischer, Propt.), 710 Carroll av, Chicago, Ill.
Garland, M. Co., Bay City, Mich.
McDonough Mfg. Co., Eau Claire, Wis.
Mershon, W. B. & Co., Saginaw, Mich.
Wickes Bros., Saginaw, Mich.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Band Saw Brazing Machines

(See Brazing Machines, Band Saw)

Band Saw Filing & Setting Machines

(See also Saw Filing & Setting Machines)

Baldwin, Tuthill & Bolton ("Bolton"), Grand Rapids, Mich.
Cleveland Fillet Co. ("Foley"), Cleveland, O
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Cunningham, R. E. (Est. of) ("Cunningham". Hand & Power), Worcester, Mass.
Grimes & Harris, Leominster, Mass.
Hanchett Swage Works ("Hanchett" Automatic), Big Rapids, Mich.
New Britain Machine Co. ("Equal Blow"). New Britain, Conn.
Rotary File & Machine Co. ("New, Reliable," Automatic), 589 Kent av, Brooklyn, N. Y.
Sidney Tool Co. ("Defiance"), Sidney, O.

Band Saw Patch Machines

Baldwin, Tuthill & Bolton ("Bolton"), Grand Rapids, Mich.

Band Saw Setting Machines

(See Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines; also Saw Sharpening Machines)

Band Saw Stave Jointing Machines

Fischer, E. Machine Works, 345 Canal, Chicago, Ill.

Band Sawing Machines

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co., 30 Church, New York. Works: Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., West st. bldg, New York
Baker, Wm. H. (Hand Power), Trenton, N. J.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bentel & Margedant Co. (Also Bands, Re-Saws), Hamilton, O.
Central Machine Works Co., Minneapolis, Minn.
Clement, Frank H. Co., Rochester, N. Y.
Colladay, Jos. O., 624 Race, Phila., Pa.
Connell & Dengler Machine Co. (Band, Segment Re-Saws), Rochester, N. Y.
Cordesman, Rechtin Co. (Scroll, etc.), Cincinnati, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Defiance Machine Works, Defiance, O.
Dennis Machine Co., Jackson, Mich.
Fay, J. & A. Egan Co., Cincinnati, O.
Fischer, E. Machine Works (Band, Segment & Slab Re-Saws, etc.), 345 Canal, Chicago, Ill.
Frank Machinery Co., Buffalo, N. Y.
Gardner Machine Works (E. N. & W. H. Hobby, Prop's) (For Chair Mfrs., etc.), Gardner, Mass.
Garland, M. Co. (Self Feeding), Bay City, Mich.
Greaves, Klusman & Co., Cook & Alfred, Cincinnati, O
Hall & Brown Woodworking Machine Co., St Louis, Mo
Hobbs Mfg. Co., Worcester, Mass.
Indiana Machine Works Co., Fort Wayne, Ind.
Kennedy, Ralph M., 117 N 7th, Phila., Pa.
McDonough Mfg. Co., Eau Claire, Wis.
Mershon, W. B. & Co., Saginaw, Mich.
Oliver Machinery Co. ("Oliver") Grand Rapids, Mich
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Power, L. & Co., 20 S 23d Phila., Pa.
Root, R. M. Co., York, Pa.
Sidney Tool Co. ("Defiance" for Wagon Makers), Sidney, O.
Silver Mfg. Co., Salem, O.
Smith, H. B. Machine Co., Smithville, N. J.
West Side Iron Works (For Pattern Shops, etc.), Grand Rapids, Mich.
Wickes Bros. (Also Re-Sawing), Saginaw, Mich.
Wright, Chas. E. Co., Kenilworth, N. J.
Yerkes & Finn Wood Working Machine Co. (Also Re-Sawing), St. Louis, Mo.

Band Sawing Machines for Metal

Newton Machine Tool Wks. (Inc.), 2847 Vine, Phila., Pa.
Thompson, H. G. & Son Co. ("Eureka"), New Haven, Conn.
Wright, Chas. E. Co., Kenilworth, N. J.

Band Sprue Sawing Machines

Brass Founders Supply Co. (For Brass Founders, Newark, N. J.

Band & Rip Saw Boring & Spoke Tenoning Machines (Combined)

Parks Ball Bearing Machine Co. (Ball Bearing), Cincinnati, O.

Bandage (Surgeons') Cutting Machines

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

Bar Drawing Machines

(See Rod & Bar Drawing Machines)

Bar Iron Cutting Machines

(See Cutters, Iron, Bar & Rod)

Bar Pointing Machines

Brightman Mfg. Co., Shelby, O.

Barley Machinery

BARTLETT, C. O. & SNOW CO. ("Pearl"), Cleveland, O. (See adv. index, end of book)

Barrel Boring Machines

Strait, H. N. Mfg. Co. (For Boring Holes in Barrels), Kansas City, Mo.

Barrel Hoop Driving Machines

Strait, H. N. Mfg. Co., Kansas City, Mo.

Barrel Hoop Machinery

(See Hoop Machinery)

Barrel, Keg, Stave & Heading Machinery

Atkins, E. C. & Co. (Inc.), Home Offices & Factories), Indianapolis, Ind.
Bartlett, A. F. & Co., Saginaw, Mich.
Benson, A. M. Co., Cleveland, O.
Chapman, T. M. & Sons Co., Old Town, Me.
Chattanooga Machinery Co. ("Standard" Stave Jointer for Slack Barrels; also Stave Bolt Equalizers, Stave Bolters, etc.), Chattanooga, Tenn.
Cleveland Brewers Supply Co., Cleveland, O.
Cook, R. A., Stevens Point, Wis.
Defiance Machine Works, Defiance, O.
Dix Foundry & Machine Co., Glens Falls, N. Y.
Garland, M. Co. (Stave & Heading Only), Bay City, Mich
Gerlach, Peter Co. (For Kegs, Pails, Tubs & Slack & Tight Barrels, Crockery Casks & Tobacco Hogsheads), Columbus rd & Winter, Cleveland, O.
Goodspeed Machine Co. (Cylinder Stave Saws for Pail, Keg, Barrel, Tub, etc.), Winchendon, Mass.
Holmes, E. & B. Machinery Co., Buffalo, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
Oram, Jno. S., 100 Coe, Cleveland, O.
Perkins & Co. ("Columbia" Heading Machines, etc.), Grand Rapids, Mich.
Phillips Barrel & Machine Co., Jamestown, N. Y.
Putnam, D. C. & Co. (Chamfering & Crozing Machines, etc.), Lyons, N. Y.
Reed, L. M. (Stave, Crozier, Setting-Up Machines & Headers, etc.), Cleveland, O.
Rochester Barrel Machinery Works (Slack Barrel, etc.), Rochester, N. Y.
Stamm Machine Works (Stave Rejointers, etc.), Aurora, Ind.
Strait, H. N. Mfg. Co., Kansas City, Mo.
Strange, Chas. E., Taunton, Mass.
Trevor Mfg. Co. (Headings, Staves, etc.), Lockport, N. Y.
Whitman Agricultural Co. (Headers, etc.), 6000 S B'way, St. Louis, Mo.
Whitney, Baxter D. & Son (Stave Sawing Machinery), Winchendon, Mass.
Wickes Bros. Saginaw, Mich.

Barrel Washing Machines

Cleveland Brewers' Supply Co., 817 Pearl, Cleveland O.
Link Belt Machinery Co. (Automatic), W 39th & Stewart, Chicago, Ill.
Schock, G., 341 E 59th, N. Y.

Basket Machinery

Cobden Machine Wks. (Stapling Machines), Cobden, Ill.
Horton, E., Elmira, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
St. Joseph Iron Works (Also Package), St. Joseph, Mich.
Saranac Machine Co. ("Advance" Automatic), St. Joseph, Mich.
Titus, E. E. (Automatic Power Quark Basket Stapling Machine), Petersburg, Va.

Beading Machines

(See Crimping & Beading Machines)

Beam Coping Machines

Cincinnati Punch & Shear Co., Cincinnati, O.

Bean & Seed Sorting Machinery

Bacon Mfg. Co., Pontiac, Mich.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Beef & Bacon Slicing Machines

Ams, Max Machine Co., Mount Vernon, N. Y.

Beer Racking Machines

White Racker Co. (Automatic), 105 S Jefferson, Chicago, Ill.

Beet Grading Machines

Invincible Grain Cleaner Co. (For Cleaners, etc.), Silver Creek, N. Y.

Beet Sugar Machinery

(See also All Kinds of Sugar Machinery, in Letter S)

Allentown Fdry & Machine Works, Allentown, Pa.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Dyer Co., New England bldg, Cleveland, O.
Jackson & Church Co., Saginaw, Mich.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Moline Plow Co., Moline, Ill.

Belt Cutting Machines

Luther, C. A. & Co., Pawtucket, R. I.

Belt Folding Machines

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.

Belt Lacing Machines

Birdsboro Steel Foundry & Machine Co. ("Jackson"), Birdsboro, Pa.
Peerless Belt Lacing Machine Co., Swanson & Moore, Philadelphia, Pa.

Belt Makers' Machinery

Birmingham Iron Foundry (For Rubber Belting, etc.), Derby, Conn.
Dennis, Jno. Co., Lowell, Mass.
Turner Tanning Machine Co., Peabody, Mass.

Belt Stitching Machinery

Singer Sewing Machine Co. (for Rubber Belting, etc.), 149 B'way, New York

Belt Stretching Machines

Holmes, Chas. Machine Co., 299 Marginal, E. B., Boston, Mass.

Belt Strapping Machines

Diamond Machine Co., Providence, R. I.
Northampton Emery Wheel Co., Leeds, Mass.

Belt Stretching & Testing Machines (Combined)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

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Bench Grinding Machines

(See Grinders, Bench)

Bending Machines

Almy, Geo. F., Delphos, O.
Anderson, W. H. Tool & Machine Co. (Hand Ball Dozer), Detroit, Mich.
Bethlehem Foundry & Machine Co. (For Angles, Tees, Plates, etc.), Front, South Bethlehem, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Works Co., Cleveland, O. (See adv. index, end of book)
Chambersburg Engineering Co., Chambersburg, Pa.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Commercial Mfg. Co. ("American" Hand Power for Blacksmiths, Machinists & Iron Workers), Cleveland, O.
Long & Allstatter Co. (Horizontal, etc., Double Steam, Motor & Belt Driven), Hamilton, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pittsburg Mfg. Co. ("Cosgrove," Double End), Pittsburg, Pa.
Robinson, J. M. Mfg. Co. ¼-inch Plates & Lighter), Cincinnati, O.
Wickes Bros. (Plate, etc.), Saginaw, Mich.
Williams, White & Co., Moline, Ill.

Bending Machines (Concrete Steel Bar)

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)

Bending Machines (Hydraulic)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Sellers, Wm. & Co. (Inc.) (For Angles, Bars, Beams, etc.), 1600 Hamilton, Phila. Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Or Bulldozer), 400 Chestnut, Phila., Pa.

Bending Machines (Tube)

WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Bending & Forming Machines

(See Forming & Bending Machines)

Bevel Sawing Machines

Connell & Dengler Machine Co., Rochester, N. Y.

Beveling Machines

Royle, Jno. & Sons (Inc.) (Photo Engravers'), Paterson, N. J.
Sheridan, T. W. & C. B. (Bookbinders, etc.), 56 Duane, New York

Bicycle Machinery

Adriance Machine Works, Brooklyn, N. Y.
Billings, C. Spencer Co., Hartford, Conn.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, N. Y.
Hoefer Mfg. Co., Freeport, Ill.
Langelier Mfg. Co., Providence, R. I.
Manning, Maxwell & Moore, 85 Liberty, New York
Manville, E. J. Machine Co. (Nipple Machinery), Waterbury, Conn.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt, C. Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Waterbury Farrel Fdy. & Machine Co., Waterbury, Conn.

Billing Machines

(See Typewriters, Adding & Billing)

Blast Furnace Machinery

(See also Rolling Mill Machinery)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Scaife Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Pittsburg, Pa.
Weimer Machine Works Co., Lebanon, Pa.

Blast Hole Drilling Machines

Cyclone Drill Co., Orrville, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Blending & Sifting Machines

Howes, S. Co., Silver Creek, N. Y.

Blind Slat Crimping Machines

Power, L. & Co., 20 S. 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Yerkes & Finan Woodworking Machine Co. (Blind Slat Tenoning & Boring Machines, etc.), St. Louis, Mo.

Blind Slat Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y., West st. bldg., New York

Blind Wiring Machines

American Woodworking Machinery Co. Rochester, N. Y., West st., bldg., New York
Cordesman, Rechtin Co., Cincinnati, O.
Fay, J. A. & Eagan Co., Cincinnati, O.
Power, L. & Co. ("Hiny"), 20 S 23d, Phila.,
Seymour & Whitlock, Newark, N. J. Pa.
Smith, H. B. Machine Co., Smithville, N. Y.

Blue Printing Machines

(For page number see Index of Contents)

Bobbin Machinery

(See Spool & Bobbin Machinery)

Boiler Head Flanging Machines

(See Flanging Machines)

Bolt Heading Machines

Acme Machinery Co., Cleveland, O.
AJAX MFG. CO. (Automatic Feed), 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Boynton & Plummer, Worcester, Mass.
Brown, H. B. Co., East Hampton, Conn.
Cook, Asa S. Co. (New Patent Feed for Stove & Tire Bolts, etc.), Hartford, Conn.
Howard Iron Works ("The Burdict," for Hex, Square & Carriage Bolts), Buffalo, N. Y.
National Machinery Co., Tiffin, O.
New, Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Putnam Machine Co., Fitchburg, Mass.
Waterbury Farrel Foundry & Machine Co. (Automatic Cold), Waterbury, Conn.

Bolt Pointing Machines

Acme Machinery Co., Cleveland, O.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Brown, H. B. Co., East Hampton, Conn.
Detrick & Harvey Machine Co., 508 E Preston, Baltimore, Md.
Howard Iron Works, 287 Chicago, Buffalo, N. Y.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Standard Machinery Co., Bowling Green, O.
WELLS BROS. CO. ("Little Giant"), Greenefild, Mass. (See adv. index, end of book)

Bolt Threading Machines

Acme Machinery Co., Cleveland, O.
Becher, Jas. A., South Bend, Ind.
Bignall & Keeler Mfg. Co. ("Peerless Special"), Edwardsville, Ill.
Brown, H. B. Co. ("Merriam," Automatic & Non-Automatic, Single or Double Spindle), East Hampton, Conn.
Cook, Asa S. Co. (For Stove & Tire Bolts, etc.), 80 Huyshope av, Hartford, Conn.
Detrick & Harvey Machine Co. ("Adams"), 508 E. Preston, Baltimore, Md.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Hart Mfg. Co., Wood c St. Clair, Cleveland, O.
Howard Iron Works (Automatic), 287 Chicago, Buffalo, N. Y
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Saunders, D. Sons, Yonkers, N. Y.
Standard Engineering Co., Ellwood City, Pa.
Webster & Perks Tool Co., Springfield, O.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Bolt Turning Machinery

Harrington, Edwin Son & Co., 17th & Callowhill, Philadelphia, Pa.

Bolt Upsetting Machines

Acme Machinery Co., Cleveland, O.
AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.

Bolt & Nut Machinery

Acme Machinery Co., Cleveland, O.
AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
Badger State Machine Co., Janesville, Wis.
Blake & Johnston, Waterbury, Conn.
Boynton & Plumber, Worcester, Mass.
Brown, H. B. Co., East Hampton, Conn.
Eilers, H. P. Mfg. Co., Cleveland, O.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Hartford Machine Screw Co., Hartford, Conn.
Howard Iron Works (Automatic), 287 Chicago, Buffalo, N. Y.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Phillips & McLaren, 24th & Smallman, Pittsburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Putnam Machine Co., Fitchburg, Mass.
Standard Machinery Co., Bowling Green, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Webster & Perks Tool Co., Springfield, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Williams, White & Co., Moline, Ill.

Bolt & Nut Screwing Machines

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Bolting Machines

Kauffman, J. A. ("Kauffman's" Wheel Rim), Miamisburg, O.
Nordyke & Marmon Co. (For Flour & Corn Mills) Indianapolis, Ind.
Ross, Charles & Son Co., 148 Classon av., Brooklyn, N. Y.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Bolting Saw Machines

Gerlach, Peter Co. (Hand & Power Feed), Columbus rd & Winter, Cleveland, O.

Book Binders' Cloth Cutting Machines

Smyth Mfg. Co., Hartford, Conn.

Book Binders' Machinery

BECK, CHAS. PAPER CO., (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Brown, R. H. & Co., New Haven, Conn.
Central Machine Co., Niagara Falls, N. Y.
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Crawley Book Machinery Co., Newport, Ky.
Dexter Folder Co., 290 B'way, New York
Fuller, E. C. Co., 28 Reade, New York
Hickok, W. O. Mfg. Co., Harrisburg, Pa.
Hinze, H. (Backing, Beveling, Rounding Machines, etc.), Tribune bldg, New York
Hoole Mach. & Engraving Works, 29 Prospect, Brooklyn, N. Y.
Jacques, Jno. & Son, Worcester, Mass.
Lange, Henry G., 22 N May, Chicago, Ill.
Latham Machinery Co., 199 S Canal, Chicago, Ill.
Liberty Machine Co., 81 Barling st, New York
Marresford, Wm. F., 56 Pearl, Brooklyn, N. Y.
Marshall, Son & Co., 226 Purchase, Boston, Mass.
Oswego Machine Works (Neil Gray, Jr., Prop.), Oswego, N. Y.
Perking, Chas. & Co., 147 S Clinton, Chicago, Ill.

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Premier Machine Works, 164 William, New York
Robinson, Jno. T. Co., Hyde Park, Mass.
Roeback, F. P. Co., Benton Harbor, Mich.
Saranac Machine Co. (Wire Book Stitching), St. Joseph, Mich.
Seybold Machine Co., Dayton, O.
Sheridan, T. W. & C. B., 56 Duane, New York
Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., Hartford, Conn.
Standard Machinery Co., Mystic, Conn.
Thompson & Son, 6 Elm, New Haven, Conn.
Ziegler, Rob't & Sons, St. Louis, Mo.

Book Casing-In Machines

Smyth Mfg. Co., Hartford, Conn.

Book Covering Machines

Sheridan, T. W. & C. B., 56 Duane, New York

Book Gluing Machines

Smyth Mfg. Co., Hartford, Conn.

Book Sewing Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., Hartford, Conn.
Thompson, Henry G. & Son Co., New Haven, Conn.

Book Stitching Machinery

Central Machine Co., Niagara Falls, N. Y.
Saranac Machine Co., St, Joseph, Mich.

Book Trimming Machines

Smyth Mfg. Co., Hartford, Conn.

Boot Machinery

(See Shoe Machinery)

Boring Machines

(See Metal Boring Machines; also Wood Boring Machines)

Boring Machines (Bucket)

COATES CLIPPER MFG. CO. ("Coates"), Worcester, Mass. (See adv. index, end of book)

Boring Machines for Electric Wiring

Ford Auger Bit Co., Holyoke, Mass.
Gaylord & Eltapence Co., Binghamton, N. Y.
McCrea, Jas. & Co. ("Roberts"), 67 W Washington, Chicago, Ill.
Star Electric Co. (The G. & E.), Binghamton, N. Y.

Boring Machines (Hand)

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.
Swan, Jas. Co. (Wood Frame for Wood), Seymour, Conn.

Boring Machines (Locomotive Connecting Rod)

Prentice Bros. Co., Worcester, Mass.

Boring Machines (Portable)

CHICAGO FLEXIBLE SHAFT CO., La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Newton Machine Tool Works, 2347 Vine, Phila., Pa.
OIL WELL SUPPLY CO. (Oil Well), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Stow Flexible Shaft Co., N 26th c Buttonwood, Phila., Pa.
Stow Mfg. Co., Binghamton, N. Y.

Boring & Drilling Machines

(See Mills, Boring & Turning)

Boring & Drilling Machines (Horizontal)

American Tool Works, Cincinnati, O.
Barnes, B. F. Co., Rockford, Ill.
Barnes, W. F. & John Co., Rockford, Ill.
Beaman & Smith Co., Providence, R. I.
Betts Machine Co., Wilmington, Del.
Binsee Machine Co., Newark, N. J.
DALLETT, THOS. H. CO. (Electric Portable), 2200 York, Phila., Pa. (See adv. index, end of book)
Detrick & Harvey Machine Co., Baltimore, Md.
Fitchburg Machine Works, Fitchburg, Mass.
Foedick Machine Tool Co. (& Milling), Cincinnati, O.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Gisholt Machine Co. (Operating from Either Side), Madison, Wis.
Hoefer Mfg. Co. (Also Horizontal & Vertical Combined), Freeport, Ill.
Lucas Machine Tool Co., Cleveland, O.
McCabe, J. J., 30 Church, New York
Newton Machine Tool Works, 234 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pawling & Harnischfeger, 38th N National avs, Milwaukee, Wis.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
Putnam Machine Co., Fitchburg, Mass.
Universal Boring Machine Co. ("Universal"), Hudson, Mass.
Warner & Swasey Co., Cleveland, O.

Boring & Tapping Machines (Automatic)

Dreses Machine Tool Co. (Boring, Facing & Tapping), Cincinnati, O.

Bottle Blowing Machines

Cox Brothers, Bridgeton, N. J.

Bottle Capping Machines

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.

Bottle Corking Machines

Dicke Tool Co. (Bench & Upright), Downers Grove, Ill.
Ermold, Edw. ("Ermold," Automatic Steam
Weiscopf, L. ("Milwaukee," Automatic), 20 Vesey, New York

Bottle Filling Machines (Automatic)

Bishop & Babcock Co. ("Eureka," Counter Pressure Revolving), 49th & Hamilton av, Cleveland, O.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Liquid Carbonic Co. ("Success"), 67 N Wells, Chicago, Ill.
Bottlers Machinery & Mfg. Co., 67 Wells, Chicago, Ill.
Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
Ermold, E., 652 Hudson, N. Y.
Henes & Keller Co., Menominee, Mich.

Bottle Sealing Machines

Bond Bottle Sealing Co., Wilmington, Del.

Bottle Washing & Soaking Machines

Bailey Engine Co., Lima, N. Y.
Cunningham Machinery & Mfg. Co., 113 S 7th, Phila., Pa.
Goldman, E. & Co., 175 E Randolph, Chicago, Ill.
Hoyt Bros. & Co., Lynn, Mass.
Kyle Bottle Washing Machine, 65 N Ashland av, Chicago, Ill.
Loew Mfg. Co., Cleveland, O.
Mangus & Sons Co., 244 E Randolph, Chicago, Ill.
Nordberg Mfg. Co. (Soaking & Washing), Milwaukee, Wis.
The 20th Century Machinery Co. (Soaking & Washing), Milwaukee, Wis.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)
Weiscopf, L. ("Haller," for Washing Bottles After Corking), 20 Vesey, New York

Bottlers' Machinery & Supplies

(See Brewers' & Malsters' Machinery & Supplies; also Piltching Machines)
Aetna Bottle & Stopper Co. (Bottle Stoppers, etc.), Providence, R. I.
American Soda Fountain Co., Boston, Mass.
American Stopper Co., 4 Verona, Brooklyn, N. Y.
Baird Machine Co. (Special Machinery & Bottle Stoppers), Oakville, Conn.
Barry-Wehmiller Machinery Co., St. Louis, Mo.
Bastian, C. L. Mfg. Co., 76 Illinois, Chicago, Ill.
Bernardin Bottle Cap Co. (Metallic Bottle Caps, "Cyclone" Soda Neck Wires & Beer Stoppers), Evansville, Ind.
Bishop & Babcock Co. ("Eureka" Beer Bottling Machines, etc.), 49th & Hamilton av, Cleveland, O.
Blue Seal Supply Co., 12 Portland, Boston, Mass.
Bond Bottle Sealing Co. (Bottle Sealing), Wilmington, Del.
Boston Bottle Wiring & Labeling Co., 404 Atlantic av, Boston, Mass.
Bottle Capping Machine Co. (Bottle Capping Machines), 1 Madison av, New York
Bottlers' Machinery Co. ("Peerless" Labeling Machines), 79 Milk, Boston, Mass.
Bottlers Machinery Mfg. Co., 67 Wells, Chicago, Ill.
Brewers' & Bottlers' Machinery Works, Chicago, Ill.
Budde & Westermann, 50 Vesey, New York
Crown Cork & Seal Co. (Loop Seals, Bottle Stoppers, etc.), 1511 Guilford av, Baltimore, Md.
Cunningham Machinery & Mfg. Co. (Bottle Washers), 113 S 7th, Phila., Pa.
Day, J. H. & Co., Cincinnati, O.
Detroit Automatic Steriliser Co. (Soaking & Sterilising Machines), 948 Beaufait av, Detroit, Mich.
Dicke Tool Co., Downers Grove, Ill.
Economic Machinery Co. ("Star" & "World" Labeling Machines), Worcester, Mass.
Ermold, Edward (Corking & Labeling Machine, etc.), 656 Hudson, New York
Frankel, Max Co. (Bottlers' Supplies, Corks, etc.), 212 Pearl, New York
Goldman, E. & Co. (Inc.) (Pasteurizers, Crate Soakers, "Tunelius" Bottle Washers, "Economic" Rackers, etc.), 175 E Randolph, Chicago, Ill.
Henes & Keller Co. (Bottle Fillers, Air Regulators, etc.), Menominee, Mich
Hinde & Dauch Paper Co. ("Climax" Bottle Wrappers), Sandusky, O.
Hoyt Bros. & Co. (Bottle Washers, etc.), Lynn, Mass.
Hutter, Karl, 241 Lafayette, New York
Hygienic Bottling Machine Co., 6 Wall, New York
Independent Filter Co. ("Goldman" Bottle Filter), 175 E Randolph, Chicago, Ill.
Kyle Bottle Washing Machines (Soaking, Washing, Rinsing & Conveying, etc.), 65 N Ashland av, Chicago, Ill.
Ledrich Mfg. Co., 6 Oak, Chicago, Ill.
Leffler, Chas. & Co. (Lighting), 63 Clymer, Brooklyn, N. Y.
Lightning Bottle Wirer Co. (Wiring), Produce Exchange, New York
Loew Mfg. Co. (Bottle Cleaning Machines, etc.), 1900 Madison av, Cleveland, O.
McKenna Bros. Brass Co. (Beer Bottling Faucets), 1st av & Ross, Pittsburg, Pa.
Magnus, A. Sons Co. ("Otto" Bottle Soaking, Washing & Rinsing Machines, "Colby" Rackers, "Herder" Shaving Washers, "Magnus" Conveying Tables, etc.), 244 E Randolph, Chicago, Ill.
Merkel Mfg. Co., 19 Whitehall, New York
Nordberg Mfg. Co. ("Nordberg" Bottle Soaking & Washing Wheels), Milwaukee, Wis.
Puffer Mfg. Co., 216 Centre, New York
Schneider Perfection Bottling Machine Co. ("Perfection" Bottling Machines), 128 S Clinton, Chicago, Ill.
Twentieth Century Machinery Co. (Bottle Soaking Machines), Milwaukee, Wis.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)
Wenzell, S. S. Machine Co. ("Elck" Bottle Washing & Rinsing), 443 N 12th, Phila., Pa.
Weiscopf, L. (Washing, Corking, Filling, Labeling, etc.), 20 Vesey, New York
Witteman Co. (Specialties), 188 William, New York
Yawman & Erbe Mfg. Co., Rochester, N. Y.
Zoller, Chas. Co., 211 E 94th, New York

Box Board Machines

Austin & Son (also Heading), Grand Rapids,
Bentel & Margedant Co., Hamilton, O.
Carver Cotton Gin Co., East Bridgewater, Mass.
Fischer Machine Works (Power Feed Box, Board Matches), 710 Carroll av, Chicago, Ill.
Gerlach, Peter Co. ("Jumbo"), Columbus rd
Hall & Brown Woodworking Machine Co. (Power Feed Box Board Matches), 1917 N B'way, St. Louis, Mo.
Humphrey Machine Co., Keene, N. H.
Murray, D. J. Mfg. Co., Wausau, Wis.
Walker-Challoner Co., Oshkosh, Wis.

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Box Board Matching Machines

American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Fischer, E. Machine Works (Single & Double Color), 710 Carroll av, Chicago, Ill
Morgan Machine Co., Rochester, N. Y.

Box Board Printing Machines

Automatic Specialty Co., 6th & Baymiller, Cincinnati, O
Boston Printing Press & Machinery Co ("Pronty"), 176 Summer, Boston, Mass
Connell & Dengler Machine Co. (One, Two & Three Colors), Rochester, N. Y.
Cross Press & Sign Co., 57 Dayton, Chicago, Ill
Grammes, L. F. & Sons (Cigar Box, etc.) Allentown, Pa
Hayes Machine Co. (Inc.) (Automatic), Kingston, N. Y.
Hooper, F. X. (Multi-Color), Glenarm, Md.
Morgan Machine Co. (One to Three Colors) Rochester, N. Y
Yerkes & Finan Woodworking Machine Co., St Louis, Mo

Box Board Scoring Machines

Hobbs Mfg. Co., Worcester, Mass.

Box Cleating Machines

(See Box Nailing and Cleating Machines)

Box Dressing Machines

Doig, Wm. S. (Est. of), 54 Franklin, B'klyn, N. Y.
Hayes Machine Co. (Inc.), Kingston, N. Y.

Box Ending Machines

Hobbs Mfg. Co., Worcester, Mass.

Box Hand Hole Cutting Machines

Fischer, E. Machine Works (Automatic), 710 Carroll av, Chicago, Ill
Chase Turbine Mfg. Co., Orange, Mass.

Box Hinging Machines

Grammes, L. F. & Sons, Allentown,, Pa.

Box Makers' Machinery

(See also Woodworking Machinery)

American Woodworking Machinery Co., Rochester, N. Y., West st bldg, New York
Bentel & Margedant Co., Hamilton, O.
Burgess, E. A. (Est. of) (Nailing, Trimming, etc.), New Haven, Conn
Connell & Dengler Machine Co., Rochester N. Y
Cordesman, Rechtin Co., 25 Butler, Cincinnati Ohio
Dovetail Box Machine Co. (Dovetail Box Machines), St. Paul, Minn.
Fay, J. A. & Egan Mfg. Co., Cincinnati, O.
Garland, M. Co. (Box Board, etc.), Bay City, Mich.
Grammes, L. F. & Sons (Cigar & Wooden), Allentown, Pa
Hall & Brown Woodworking Machine Co., 1917 N B'way, St. Louis, Mo
Hayes Machine Co. (Inc.), Kingston, N. Y.
Heath, W. A. Machine Co., Lestershire, N. Y.
Hemingway, John & Son (Sizing, Saw, etc.), Lynn, Mass.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. B. Machinery Co., Buffalo, N. Y.
Humphrey Machine Co., Keene, N. H.
Luther, B. G. & Co., Worcester, Mass.
Mereen, Arno (Box Shook Band, Re-Saw, etc.), Minneapolis, Minn.
Montague Iron Works Co., Montague, Mich.
Morgan Machine Co., Rochester, N. Y.
Power L. & H. Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Strange, Chas. E., Taunton, Mass.
Woods, S. A. Machine Co., Boston, Mass.

Box Nail Feeding Machines

Doig, Wm. S. (Est. of) (Automatic), 54 Franklin, B'klyn, N. Y.

Box Nailing & Cleating Machines

Burgess, E. A. (Est.), New Haven, Conn.
Doig, Wm. S. (Est. of) (Of All Kinds; also Double Decker Nailing & Cleating), 54 Franklin, B'klyn, N. Y.
Grammes, L. F. & Sons (Upright Power for Light & Medium Boxes, Brushes, Chains, etc.), Allentown, Pa.
Hayes Machine Co. (Inc.) (Automatic), Kingston, N. Y.
Milliken Machine Works, 70 Washington av, Brooklyn, N. Y.
Morgan Machine Co., Rochester, N. Y.

Box Reaming Machines

Spears & Riddle Co., Wheeling, W. Va.

Box Stapling Machines

(See Wire Stapling Machinery)

Box Strapping Machines

Doig, Wm. S. (Est. of) (Beer Box), 54 Franklin Brooklyn, N. Y.

Box Trimming Machines

Burgess, E. A. (Est. of), New Haven, Conn.
Fischer, E. Machine Works (Double Box Blocker), 710 Carroll av, Chicago, Ill
Morgan Machine Co. (For Dressing Corners of Lock Corner Boxes), Rochester, N. Y

Brace Head Machines

Bradley, H. C. (For Wood Heads), Bridgeport, Conn

Brass Sawing Machines

Griswold, Geo. M., New Haven, Conn.

Brass & Copper Rolling Mill Machinery

Torrington Mfg. Co., Torrington, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Brazing Machines (Band Saw)

American Woodworking Machinery Co., Rochester, N. Y., West st bldg, New York
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Cunningham, E. F. (Est. of), Worcester, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Rogers, S. C. & Co., 10 Lock, Buffalo, N. Y.
Waterbury Farrel Fdy. & Machine Co., Waterbury, Conn.

Bread Crumbing Machines

Day, J. H. Co., Cincinnati, O.

Brewers' & Maisters' Machinery & Supplies

(See also Bottlers' Machinery & Supplies; also Ice & Refrigerating Machinery; also Elevating & Conveying Machinery; also Heaters, Feed Water)

Adt, John B., 332 N Holliday, Baltimore, Md.
American Antiformin Co. ("Antiformin"), 168 8th, Brooklyn, N. Y.
Barry-Wehmiller Machinery Co., St. Louis, Mo.
Bethlehem Foundry & Machine Co. (Rice Ricks, Malt Mills, Mash Machines, Cleaning Reels, Cask Supporters, etc.), Front, South Bethlehem, Pa., & 149 B'way, New York
Blettner, Jos. B. & Co., 1976 Central av, Cincinnati, O.
Brahm, Jos., 150 Nassau, N. Y.
Brewing Appliance Specialty Co. ("Perfection" Tapping Devices), Hartford, Conn.
British-American Co. (Inc.) ("Bishopric's Sanite Mastic"), Cincinnati, O
Buecker, Henry F., Newport, Ky.
Buffalo Scale Co. (Brewers' Scales), Buffalo, N. Y.
Cleveland Brewers' Supply Co., 1506 W 25th, N W, Cleveland, O.
Cypress Lumber Co. (Tanks, Vats, etc.), Apalachicola, Fla., & 88 Broad, Boston, Mass
Deckebach, F. C. Sons Co. (Cooling Apparatus, etc.), 123 W Court, Cincinnati, O.
Dornfeld, J. F. (Malting Drums), 134 Van Buren, Chicago, Ill.
Dundon's San Francisco Iron Works, San Francisco, Cal
Engel, Geo. Beer Cooler Co., 182 E Genessee, Buffalo, N. Y.
Eureka Machine Co. (Branding Machines, Pitch Spraying Apparatus, Pitching Machines, Keg-Scrubbing Machines, etc.), 128 Vega av, Cleveland, O.
Galland-Henning Pneumatic Malting Drum Mfg. Co. (Pneumatic Malting Drums), Mitchell bldg, Milwaukee, Wis.
Girard Iron Works (Cask Rests, Vat Supporters, Hose Passers, etc.), 22d & Master, Phila., Pa.
Girard Machine Works (Inc.), 2616 Girard av, Phila., Pa.
Goetz & Flodin Mfg. Co. (Mash Tubs, Brew Kettles, Beer Coolers, Filters, Bronze Drilled False Bottoms, etc.), 109 W Chicago av, Chicago, Ill.
Golden Gate Mfg. Co. ("Golden Gate" Lager Beer Valves & Racking Apparatus), 9 Desbrosses, New York
Goldman, E. & Co., 175 E Randolph, Chicago, Ill.
Haggenmiller, Th. (Est. of) (Combination Pitching Machines), 827 N 4th, Phila., Pa.
Harris, Arthur & Co. (Copper & Brass Work), 44 N. Curtis st, Chicago, Ill.
Heiser, Wm. & Sons Co. (Manhole Doors, etc.), 114 Clinton, Buffalo, N. Y.
Hersey Mfg. Co. (Thermo-Pneumatic Malting Apparatus), 314 W 2d, Boston, Mass.
Hirsh & Schofield, 18 Water, New York
Heyman, N. H. (Keg-Scrubbing, Sprinkling Machines, etc.), 438 E 59th, New York
Howes, S. Co. (Polishing & Separating Machines), Silver Creek, N. Y.
Huetteman & Cramer Co., e Beaufait & Mack avs, Detroit, Mich.
Huntley Mfg. Co. ("Monitor" Malt Cleaner), Silver Creek, N. Y.
JEFFERY MFG. CO. (Barrel & Keg Elevators), Columbus, O. (See adv. index & branch offices, end of book)
KAESTNER & CO. (Inc.) (Grain Removers, Mashing Machines, Pitching Machines, Malt Mills, etc.), 241 S Jefferson, Chicago, Ill. (See adv. index, end of book)
East Copper & Sheet Iron Co. (Brew Kettles, Stills, Mash Tubs, Coolers, etc.), 91 Main, Buffalo, N. Y.
Keller, Robert ("Nonpariel" Stamp Paste & Isinglass, etc.), 334 3d, Phila., Pa.
Laubenheimer, Geo. E. Co. (Brew Kettles, Beer Coolers, etc.), 1347 Carroll av, Chicago, Ill.
Liquid Carbonic Co., 67 N Wells, Chicago, Ill.
Loew Mfg. Co. ("Loco Magic" Purifier), Cleveland, O.
Mark Mfg. Co., Evanston, Ill.
Matthews, John Apparatus Co. (Carbonic Acid Gas Machinery), 449 1st av, New York
Mey Chain Belting Engineering Works, 77 Washington, Buffalo, N. Y.
Milwaukee Brewers' Specialty Co. ("Milwaukee" Steaming Tray), Milwaukee, Wis.
National Machine Works (Pitching Machines), Sheffield and North av, Chicago, Ill.
Nordberg Mfg. Co. ("Nordberg" Bottle Soaking & Washing Wheels), Milwaukee, Wis.
Novelty Steam Boiler Works (Triplett & Jennings, Props.) (Mash Tubs), Baltimore, Md.
Olsen & Tilgner Mfg. Co. (Mash Machines, Non-Explosive Malt Mills, Keg & Barrel Scrubbers, Shaving Washers, Filter-Mass Washers, Keg & Barrel Rinsers, etc.), 57 Ontario, Chicago, Ill.
Otto, J. M. (Coolers, Swimmers, etc.), 46 Manjer, B'klyn, N. Y.
Pittsburg Conveying Machinery Co., Pittsburg, Pa.
Prince, John A. (Soaking, Washing & Rinsing Machines), 154 W 27th, New York
Prins & Ran Mfg. Co. (Barley Graders & Separators), 630 F Water, Milwaukee, Wis.
Reisinger, Hugo (Filtering Apparatus), 11 B'way, New York
Rheinstrom Bros. ("Perfection" Beer Filters), 919 Martin, Cincinnati, O.
Rilling, Chas. (Mash Machines, Malt Mills, Malt Scourers, Grain Elevators, Barrel and Keg Elevators, etc.), 524 W 34th, New York
Rochester Bunging Apparatus Co. (Racking Apparatus), Beckley bldg, Rochester, N. Y.
Rochester Valve Co. (Brewers' Valves), Rochester, N. Y.
Roos', August, Son Copper Works (Fire Kettles, Fold Bottoms, Beer Coolers, etc.), 232 W 27th, New York
Saladin Pneumatic Malting Construction Co. (Pneumatic Malting Plants), 57 S Clinton, Chicago, Ill.
Schneible, Joseph Co. (Racking, Carbonating & Cooling Apparatus), 128 Mott, New York
Schock, Gustav (Barrel Elevators, Shaving Machines, Malt Mills, Mash Machines, etc.), 514 W 57th, New York
Seibel-Snessdorf Copper & Iron Mfg. Co. (Barrel Washers, Isinglass Mixers, Beer Coolers, etc.), c 2d & Lombard, St. Louis, Mo.
Selg Brewery Apparatus Co. (Fermenters, Washing Apparatus, etc.), 40 Water, New York
Toepfer, W. & Sons, 76 Menomonee, Milwaukee, Wis.
Torchianni, H. ("Ideal" Racking Apparatus, Pitching Machines, etc.), 245 Pearl, New York
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)

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Wasel's Copper Works (Kettles, Mash Tubs, False Bottoms & Copper Work of All Descriptions for Breweries, Distilleries, etc.), 50 N 3d, Brooklyn, N. Y.
Wittemann Co., 188 William, New York
Zinsser, Wm. & Co. (Isinglass, Pitch, Alkalies, Acids, etc.), 197 William, New York
Zobler, Otto Mfg. Co. (Kettles, Coolers, etc.), 103 N Oakley av, Chicago, Ill
Zoller, Chas. Co. (Barrell Washing Machines, Keg Scrubbing Machines, etc.), 211 E 94th, New York

Briar Pipe Machinery

Leffler, Chas. & Co., 63 Clymer, Brooklyn, N. Y.

Brick Cutting Machinery

AMERICAN CLAY MACHINERY CO. (Automatic), Bucyrus, O. (See adv. index, end of book)
Bonnot Co. (Rotary Automatic), Canton, O.
Brewer, H. & Co. (Rotary Automatic), Tecumseh, Mich.
Chambers Bros. Co., 52d & Lancaster av, Phila., Pa.
Fate, J. D. Co. ("Bensing," Automatic), Plymouth, O.
Freese, E. M. & Co., Galion, O.
Madden & Co. Endless Belt), Rushville, Ind.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Steele, J. C. & Sons (Automatic), Statesville, N. C.
Wallace Mfg. Co. (Rotary Automatic, End Cutter, etc.), Frankfort, Ind

Brick Machinery & Supplies

(See the Specific Article Required)

Brick Mould Sanding Machines

COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)
Horton Mfg. Co., Painesville, O.
Newton, A. H., Haverstraw, N. Y.
Potts, O. & A. Co., Indianapolis, Ind.
Waldron, Chas. ("Champion"), Haverstraw, N. Y.
Wellington Machine Co., Wellington, O.

Brick Press Machines

AMERICAN CLAY MACHINERY CO. (Dry & Semi-Dry & Re-Press), Bucyrus, O. (See adv. index, end of book)
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creager Co. (Re-Press), New London, Ohio
Bonnot Company, Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Carnell, Geo. (Est. of) (Fire & Red), 1810 N 5th, Phila., Pa.
Chambers Bros. Co. (Re-Pressed, etc.)) 52d, below Lancaster av, Phila., Pa.
Chisholm, Boyd & White Co. (Dry Press), W 57th & Wallace, Chicago, Ill
Clearfield Machine Shops (Ltd.) (Fire Brick), Clearfield, Pa.
Cleveland Brick Machinery Co. ("Perfection"), Cleveland, O.
Craycroft, Benjamin, Vadalia, Ill.
Eastern Machinery Co., New Haven, Conn.
Fate, J. D. Co., Plymouth, O.
Fernholtz Brick Machinery Co. (Power & Hand), Boyle & Old Manchester avs, St. Louis, Mo.
Freese, E. M. & Co., Galion, O.
Horton Mfg. Co. ("Hercules," "Standard" & "Ideal"), Painesville, O.
Madden & Co., Rushville, Ind.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Means Foundry & Machine Co., Steubenville, O.
Michigan Brick & Tile Machine Co. (Repress), Morenci, Mich.
National Brick Machinery Co., 138 Wash'n, Chicago, Ill.
Ohio Ceramic Engineering Co. (Dry & Repress), Cleveland, O
Ohio Machine Co. (Repress), Middleport, O.
Queen City Brick Machine Co., Traverse City, Mich.
Raymond, C. W. Co., Dayton, O.
Reliance Machine & Tool Works, 3333 Franklin av, St. Louis, Mo.
Ross-Keller Tripple Pressure Brick Machine Co. (Dry or Semi-Dry), Fullerton bldg, St. Louis, Mo.
Scott Mfg. Co. ("Andrus"), Keokuk, Ia.
Simpson Bros. (Fire Brick), Portsmouth, O.
Stearns Co. (Sand Lime), Erie, Pa.
Steele, J. C. & Son (Represses), Statesville, N. C.
Wallace Mfg. Co., Frankport, Ind.
Wellington Machine Co., Wellington, O.
Wenger, Geo. Machinery & Supply Mfg. Co. (Dry Press, Stiff Mud, etc.), St. Louis, Mo.
Wiles, A. M. & W. H. Co., Grassy Point, N. Y.
Woolley Foundry & Machine Co., Anderson Ind

Brick Press Machines (Sand Lime)

(See Sand Lime-Brick Machines)

Brick Sanding Machines

(See Brick Mould Sanding Machines)

Bridge Machinery for Bascule Bridges

FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)

Bridge Operating Machinery

(See Draw Bridge Machinery)

Briquetting Machinery

Chisholm, Boyd & White Co., W 57th & Wallace, Chicago, Ill.
Commercial Artificial Fuel Co. (For Anthracite Culm, Lignite & Ores, etc.), Toledo, O.
Mashek Engineering Co. (Coal, etc.), 141 B'way, New York
Mill & Smelter Engineering Co., 114 Liberty, New York
Mould, Henry S. Co., Empire bldg, Pittsburg, Pa.
National Fuel Briquette Machine Co. (Coal, etc.), 90 West, New York
Olsen, Tilnus & Co. (Moulding Machines), 500 N 12th, Phila., Pa
Renfrow Briquette Machine Co., St. Louis, Mo.
Traylor Engineering Co. (Coal etc.), Allentown, Pa.
United States Peat Fuel Co., Fort Dearborn bldg, Chicago, Ill
United States Rapid-Fire Gun & Power Co. (for Coal, Clay, etc.), Derby, Conn.

Broaching Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Burr, John T. & Sons, 420 Kent av, Brooklyn, N. Y.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)

Bronzing Machines

Fuchs & Lang Mfg. Co., 20 Warren, New York

Broom Corn Planting Machinery

Colton, G. D. & Co., Galesburg, Ill.
Deere & Mansur Co. (Planters'), Moline, Ill.
Gale Mfg. Co. (Planters'), Albion Mich.

Broom Handle Machinery

Fay, J. A. & Egan Co., W. Cincinnati, O.
Bentel & Margedent Co., Hamilton, O.
Defiance Machine Works, Defiance, O.
Ober Mfg. Co., Chagrin Falls, O.
Trevor Mfg. Co., Lockport, N. Y.

Broom Machinery

Boyer, A. Broom Co., Galesburg, Ill.
Cassard, Hamilton, Baltimore, Md.
Genesee Valley Mfg. Co. (Broom Making), Mount Morris, N. Y.
Hand Stitch Broom Sewing Machine Co., House bldg, Pittsburg, Pa
Lipe & Walroth, Syracuse, N. Y.
Mercantile Warehouse Co. (Steam Broom Sewing Machines), 53 Beach, New York
Phillips, S. C., Schenectady, N. Y.
Pocock, Oliver, 1042 Harriet, Cincinnati, O.
Walrath, Alphonse Co., Fort Plain, N. Y.

Brush Boring Machines

Waldron, Jno. Co., New Brunswick, N. J.

Brush Machinery & Tools

Grammes, L. F. & Sons (Nailing, etc.), Allentown, Pa.
Pickering, M. J., 238 Arch, Phila., Pa.
Young & Robinson, Frederick, Md.

Brush Nailing Machines

Grammes, L. F. & Sons, Allentown, Pa.

Buckle Machinery

Baird Machine Co. (Wire), Oakville, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
SHUSTER, F. B. CO. (Automatic), New Haven, Conn. (See adv. index, end of book)
Special Machinery Co. (Automatic Buckle Wire), Bridgeport, Conn.

Buckle Tongue Machines (Automatic)

Nilson, A. H. Machine Co., Bridgeport, Conn.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Buckwheat Machinery

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Buffing & Polishing Machines

(See Lathes, Buffing & Polishing)

Building Block Machinery

(See Clay Building Block Machinery; also Concrete Building Block Machinery)

Bulldozer or Bending Machines

(See also Forging Machines)

AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Rock River Machine Co. ("Badger" Bulldozers), Janesville, Wis.
Williams, White & Co., Moline, Ill.
Youngstown Foundry & Machine Co. (Bulldozers), Youngstown, O.

Burnishing Machines

Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.

Butchers' Machinery & Supplies

Bossert, Louis & Son (Blocks), Grand & Newtown Creek, B'klyn, N. Y.
Brecht, Gus. V., Butchers' Supply Co., 1201 Cass av, St. Louis, Mo.
Chatillon, Jno. & Sons (Complete Line), 85 Cliff, New York
Christy Knife Co. (Family Cleavers), Fremont, Ohio
Cincinnati Butchers' Supply Co., 1986 Central av, Cincinnati, O.
Daemicke, Paul J. Co., 261 S Water, Chicago, Ill.
Ehrlich, H. & Son, St. Joseph, Mo.
Fay, J. A. & Egan Co., Cincinnati, O.
Forschner, Chas. & Sons, 206 E 19th, New York
Foster Bros. & Chatillon Co., Fulton, N. Y.
Glockler, Bernard Co., Pittsburg, Pa.
Huff Bros. Butchers' Supply Co., Decatur, Ill.
Hulbert, E. L & Co., Bernardstown, Mass.
Koch Butchers' Supply Co., 1415 St. Louis av, Kansas City, Mo.
Mack & Co., Rochester, N. Y.
Murray Iron Works Co., Burlington, Ia.
Plumb, Fayette R. (Inc.) (Cleavers, Choppers & Knives), Fkd., Philadelphia, Pa.
Probeck, P. J., 2233 E 4th, Cleveland, O.
Randall, R. T. & Co., 333 N 2d, Phila., Pa.
St. Louis Butchers' Supply Co., 1537 N 15th, St. Louis, Mo.
Schmidt, C. Co., John & Livingston, Cincinnati, O.
Scott Mfg. Co., 3d Nat'l B'k bldg, St. Louis, Mo.
Silver Mfg. Co. (& Supplies, Lard & Tallow Presses, Ham Pumps, "Wagner" Storage Stuffers, etc.), Salem, O.
Smith, H. B. Machine Co., Smithville, N. J.
Smith's, John E. Sons Co. (Meat Choppers, Steam Kettles, Lard Mixers, etc.), Buffalo.
Stevens, B. A. Co., Toledo, O
Superior Tool & Supply Co., 500 E Front, Cincinnati, O.
Wolf, Sayer & Heller, Fulton c Peoria, Chicago, Ill.

Butchers' Saw Punching Machines

Nichols Bros., Greenfield, Mass.

Butchers' Skewer Machinery

Fay, J. A. & Egan Co., Cincinnati, O.
Smith, H. B. Machine Co., Smithville, N. J.

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Butt Drilling & Milling Machines

SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Butter Dish Machinery

Merritt Mfg. Co., Lockport, N. Y.
Saranac Machine Co. (Automatic & Stapling Mach'y), St. Joseph, Mich.
Titus, E. E., Petersburg, Va.

Butter Printing & Cutting Machines

American Butter Cutting Machine Co., 21 Jay, New York
Burrell, D. H. & Co. ("American"), Little Falls, N. Y.
Cleveland Faucet Co. ("Elgin" Butter Cutter), Cleveland, O.
Friday, S. B. & Co., Brandon, Wis.

Button Machinery

Barry Mfg. Co., Muscatine, Ia.
Blake & Johnson Co., Waterbury, Conn.
Draher, John, Waterbury, Conn.
Grimes & Harris (Horn), Leominster, Mass.
McCurdy, Burton Machinery Co., Amsterdam, N.Y.
Manville Bros. Co., Waterbury, Conn.
Russel, Jno. W., Springfield, Mass.
Waldron, John Co. (Ivory Button Machinery), New Brunswick, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Button Sewing Machines

Russell Mfg. Co., Lancaster, Pa.
Union Button Sewing Machine Co., 184 High, Boston, Mass.

Cabbage Machinery (Canners')

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Cable Covering Machines

(See Wire & Cable Covering Machinery)

Cable Haulage Machinery

Superior Iron Works, Superior, Wis.

Cabling & Armoring Machines

Watson Machine Co., Paterson, N. J.

Calcined Plaster Machinery

(See Gypsum Machinery)

Calculating Machines

(See also Adding Machines)

Calculagraph Co., 9 Maiden la, New York
Calculus Co., 414 Prospect av, S E, Cleveland, Ohio
Duntley Mfg. Co., 305 Dearborn, Chicago, Ill.
Dupligraph Co., 43 State, Detroit, Mich.
Hamburger, Felix ("Brunsviga"), 78 5th av, New York
Mechanical Accountant, 8 Warren, Providence, R. I.
Morse, C. R. Co. ("Morse"), 60 5th av, Chicago, Ill.
Morse, Herbert N. ("Calcumeter" Desk Adding Machines), Trenton, N. J.
Morschhauser, W. A. ("Millionaire"), 1 Madison av, New York

Calendering Machines

Arthur Co., 188 Front, New York
Butterworth, H. W. & Sons Co. (Embossing), Phila., Pa.
Currier, Cyrus & Sons, Newark, N. J.
Curtis & Marble, Worcester, Mass.
Downington Mfg. Co., East Downington, Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Holyoke Machine Co. (Breaker, Friction, Web, etc.), Holyoke, Mass.
Kilburn, Lincoln & Co. (Inc.), Fall River, Mass.
Lowell Machine Shop, Lowell, Mass.
Norwood Engineering Co. (Breaker, Friction, Web, etc.), Florence, Mass.
Poole Engineering & Machine Co., Woodberry Sta., Baltimore, Md.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Terhune, J. I., 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), Providence, R. I.
Waldron, John Co., New Brunswick, N. J.
Watson Machine Co. (Embossing, Pressure & Friction, etc.), Paterson, N. J.

Calipering Machines

Rogers, Jno. M. Works, Gloucester City, N. J.

Cam Cutting Machines

Fay Machine Tool Co. ("Fay" Automatic), 2d & Glenwood av, Phila., Pa.
Manville Bros. Co., Waterbury, Conn.
Standard Machinery Co., Providence, R. I.

Can Beading Machines

(See also Crimping & Beading Machines)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)

Can Body Forming Machines

American Can Co., 135 Adams, Chicago, Ill.
Ams, Max Machine Co., Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Can Boxing Machines

SPRAGUE CANNING MACHINERY Co. ("Knapp," for Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Can Capping Machines

Ams, Max Machine Co. (Power), Mount Vernon, N. Y.
Ayars Machine Co. (Hand & Power), Salem, N. J.
Cottingham, Harrison (Hand), Baltimore, Md.
Benneburg, E. & Sons (Hand), Baltimore, Md.
Robins, A. K. & Co. (Hand), Baltimore, Md.
Sherman, S. F. ("Hawkins"), Utica, N. Y.
SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Steward, L. & J. A. (Power), Rutland, Vt.

Can Cleaning & Washing Machines

Astoria Iron Works (Inc.) ("Jansen's" for Salmon Canneries, etc.), Astoria, Ore.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Link Belt Co. (Can Washing), W 39th & Stewart av, Chicago, Ill.

Can Crimping Machines

Lewis, E. J., Middleport, N. Y.

Can Filling Machines

Ams, Max Machine Co., Mount Vernon, N. Y.
Astoria Iron Works (Inc.) (For Salmon Canneries, etc.), Astoria, Ore.
Ayars Machine Co. ("King" or "Stevens" for Tomatoes, Apples, Peas, etc.), Salem, N. J.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Climax Machinery Co. ("Climax," Automatic for Milk), Indianapolis, Ind.
Cottingham, Harrison (Fruits, Vegetables & Oysters), Baltimore, Md.
Day, J. H. & Co., Cincinnati, O.
Elgin Mfg. Co. ("Elgin" Rotary Condensed Mill-Filling Machines), Elgin, Ill.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. (For Beans, Berries, etc.), Silver Creek, N. Y.
Judge Machine Co., Marine Bank bldg, Baltimore, Md.
Robins, A. K. & Co. (Tomato, etc.), Baltimore, Md.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sinclair-Scott Co. (Bucklin" Pea Filler), Baltimore, Md.
SPRAGUE CANNING MACHINERY Co. ("Moore & Bristol's," "Jersey Queen," "Stevens' King," for Tomatoes, Corn, etc.), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Stickney, Henry R. (For Evaporated Cream, Baked Beans, Fats, Oils, Mustard, etc.), Portland, Me.
Weiscopf, L. ("Haller," Automatic for Catsup, Mustard, etc.), 20 Vesey, New York

Can Heading Machines

Ams, Max Machine Co. (Automatic Double Seamers), Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Can Labeling Machines

(See Labeling Machines)

Can Lacquering Machines

Burt Machine Co., Baltimore, Md.

Can Lining Machines

Ams, Max Machine Co. (Adjustable, Round, Square, Covers, etc.), Mount Vernon, N. Y.

Can Makers' Machinery

Adriance Machine Works (Soldering & Sanitary), 254 Van Brunt, Brooklyn, N. Y.
American Can Co., 135 Adams, Chicago, Ill.
Ams, Max Machine Co. (Air Tight Seam without Solder or Acid, etc.), Mount Vernon, N. Y.
Astoria Iron Works (Inc.) ("E. K. & M." Can Body Making & Soldering), Astoria, Oreg.
Ayars Machine Co., Salem, N. J.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Consolidated Press & Tool Co., 96 N Clinton, Chicago, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Leffer, Chas. & Co., 63 Clymer, Brooklyn, N. Y.
McDonald Machine Co. (Automatic Lock Seamer, Can Tester, etc.), 3207 Shields av, Chicago, Ill.
Mitchell, Jno. R. Co., Baltimore, Md.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Scandinavian Can & Machine Co., Southwest Harbor, Me.
Slaysman & Co. (Automatic), 718 E Pratt, Baltimore, Md.
Sleeper Machine Co., 8 Exchange pl, Boston, Mass.
Stevenson & Co., 601 S. Caroline, Baltimore, Md.
Steward, L. & J. A., Rutland, Vt.
Swaine, F. J. Co., St. Louis, Mo.
United Can Co., 19th & Harrison, San Francisco, Cal.
Utica Industrial Co. (Automatic Can Machinery), Rome, N. Y.
Wold, Torris & Co. ("Cameron" Lockseamer, Header, etc.), 66 N Jefferson, Chicago, Ill.

Can Marking Machines

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Wescott, Geo. F. Co., Buffalo, N. Y.

Can Polishing Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.

Can Scoring Machines

Ams, Max Machine Co. (Adjustable Power), Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Can Seating Machines

American Can Co. (Vacuum), 135 Adams, Chicago, Ill.

Can Slitting Machines

Ams, Max Machine Co. (Gang), Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Can Stamping Machines (Automatic)

Perfect Automatic Can Stamper Co., Le Roy, N. Y.

Can Tapping Machines

American Can Co., 135 Adams, Chicago, Ill.

Can Testing Machines

(See Testing Machines, Can)

Can Wiping Machines

Ayars Machine Co., Salem, N. J.
Morral Bros., Morral, O.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Can Wrapping Machines

Burt Machine Co., Baltimore, Md.

Can & Jar Washing Machines

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

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Cancelling Machines

Bright, H. V. (For Ticket Chopper), 517 Huron rd, Cleveland, O.
Cummins, B. F. Co. (Plain & Dating, etc.), 1411 W Ravenswood Park, Chicago, Ill.

Candle Machinery

Blettner, Jos. B. & Co., 1976 Central av, Cincinnati, O.
Brewer, Wm. W., Troy, N.Y.
Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.
Homan & Co. (Molds, etc.), Cincinnati, O.
Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.

Candy Machinery

(See Confectioners' Machinery)

Candy Vending Machines

(See Vending Machines)

Cane-Seat Chair Machinery

(See also Chair Machinery)

Goodspeed Machine Co. (Chair Seat Grooving Machinery), Winchendon, Mass.
Purdy Machine Co. (Also Wood Seat), Ghent, O.
Remington Machine Co., Wilmington, Del.
Scow Bay Iron & Brass Works, Astoria, Ore.
Sprague Canning Machinery Co., Hoopestown, Ill., & 42 River, Chicago, Ill.
Wilbur, A. Shea (Sardine), Eastport, Me.

Cane Sugar Machinery

(See Sugar Machinery. For page number consult Index of Contents)

Canning Machinery

Ams, Max Machine Co. (For making & Selling Tin Cans), Mount Vernon, N. Y.
Astoria Iron Works (Inc.), Astoria, Ore.
Ayars Machine Co., Salem, N. J.
BLISS, E. W. CO. (For Making Packers' & Sanitary Cans), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Burpee & Letson (Ltd.), Bellingham, Wash.
Burt Machine Co., Baltimore, Md.
Chicago Solder Co., 44 N Union, Chicago, Ill.
Conant, R. O. Co., Portland, Me.
Cox Bros. & Co., Bridgeton, N. J.
Fancher Machine Co., Baldwinsville, N. Y.
Gaumer, John L. Co. ("Mudge" Canner), 22d & Wood, Phila., Pa.
Hermetic Closure Co. (For Cold Products in Glass by Vacuum Process), 1142 W 16th, Chicago, Ill.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Judge Machine Co., Marine Bank bldg, Baltimore, Md.
Knapp, Fred. H. & Co., 5 Wabash av, Chicago, Ill.
Lang, E. M. Co. (Soldering Machines, Capping Irons, Solder, Presse, etc.), Portland, Me.
Lewis, E. J., Middleport, N. Y.
McDonald Machine Co., 3207 Shields av, Chicago, Ill.
Morral Bros. (Corn Cutter, Silk Brushing Cooker Filler, etc.), Morral, O.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Remington Machine Co., Wilmington, Del.
Renneburg & Co., Baltimore, Md.
Robins, A. K. & Co., Baltimore, Md.
Safe Glass Co. (For Cold Products in Glass by Vacuum Process), Upland, Ind.
Sherman, Sanford F., Utica, N. Y.
Sinclair-Scott Co., Baltimore, Md.
Stevenson & Co., Baltimore, Md.
Stickney, Henry R. (Filling & Syruping, etc.), Portland, Me.
Stiles-Morse Co. (End Seam Soldering Machines), 138 Jackson boul, Chicago, Ill.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Thompson Mfg. Co., Lancaster, N. H.
Vance & Baker, Muscatine, Iowa
Wescott, Geo. F. Co. (For Tomatoes, etc.), Buffalo, N. Y.

Canting Machines

ALLIS-CHALMERS CO. (Overhead), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Capping Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cox Bros. & Co., Bridgeton, N. J.
Dicke Tool Co., Downers Grove, Ill.
Lang, E. M. Co., Portland, Me.
Steward, L. & J. A., Rutland, Vt.

Capsule Machines

Coltos, Arthur, 184 Brush, Detroit, Mich.
Hall Capsule Co., Covington, Ky.
Mulford, H. K. Co., 412 S 18th, Phila., Pa.
Stokes, F. J. Machine Co., Phila., Pa.

Car-Boring Machines

American Wood Working Machinery Co., Rochester, N. Y., West st. bldg, N. Y.
Bentel & Bargedant Co. (Heavy Vertical, 3 & 6 Spindle), Hamilton, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill.; Factory: Rockford, Ill.
Powers, L. & Co. (Est. of), 22 S 23d, Phila., Pa.

Car Box Boring Machines

Detrick & Harvey Machine Co., 508 E Preston, Baltimore, Md.
Niles-Bement-Pond Co., 111 B'way, New York

Car Box Grinding Machines

Diamond Machine Co., Providence, R. I.

Car Link & Pin Machines

National Machinery Co., Tiffin, O.

Car Spring Coiling Machines

(See also Spring Coiling Machines; also Wire Spring Coiling Machines)

Coulter & McKenzie Machine Co., Bridgeport, Conn.

Car Wheel Boring Machines

Baker Bros., Toledo, O.
Betts Machine Co., Wilmington, Del.
Bickford, H. & Co., Lakeport, N. H.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Newton Machine Tool Works, Phila, Pa.
Niles-Bement-Pond Co., 11 B'way, New York
Prentice Bros., Worcester, Mass.
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.

Car Wheel Cleaning Machines

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Car Wheel Molding Machines

(See also Molding Machines, Foundry)

Pridmore, Henry E., 918 S Rockwell, Chicago, Ill.

Car & Carriage Spring Machinery

Coulter & McKenzie Machine Co. (Car), Bridgeport, Conn.
Evans', Jno. Sons, 18th & Buttonwood, Phila., Pa.
Johnson, Wm. T. Co. (Spring Forming), Cincinnati, O.

Carbon Cutting Machines

Lundin Electric & Machine Co. (Electrical), with Switch), 10 Thacher, Boston, Mass.

Carbon Machinery

BARTLETT, C. O. & SNOW CO., French st, nr Columbus, Cleveland, O. (See adv. index, end of book)
BROWN, A. & F. CO., 26 Dey, New York; Works: Elizabethport, N. J. (See adv. index, end of book)

Carbon Paper Machinery

Waldron, Jno. Co., New Brunswick, N. J.

Carbonating Machinery

American New System Carbonating & Dispensing Apparatus Co., 407 Broome, New York
Automatic Carbonator Mfg. Co., Minneapolis, Minn.
Hecla Compressed Gas Co., Chelsea, Mass.
Liquid Carbonic Co., 67 N Wells, Chicago, Ill.

Cardboard Sawing Machines (Wood)

Grammes, L. F. & Sons (Combination Rip & Cross-Cut), Allentown, Pa.

Cardboard Slitting Machines

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Card Cutting Machines

(See also Card Cutting Machines, Textile)

American Novelty Co. ("Premium" Hand Card & Paper Cutter for Office Use), Bridgeport, Conn.
BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
BLISS, E. W. CO. (Playing Cards), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Diets Machine Works (Rotary, for Jacquard, Index, Commercial & Slot Machine Cards & R. R. Tickets, etc.), 126 Fontain, Phila., Pa.

SPRAGUE CANNING MACHINERY CO.

MANUFACTURERS OF

CANNING MACHINERY and SUPPLIES

5 WABASH AVE., CHICAGO, ILL.

DANIEL G. TRENCH & CO., General Agents

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Grammes, L. F. & Cons ("Handy" Hand, etc.), Allentown, Pa.
Hinze, H. (Rotary), Tribune bldg. New York
Jacques, Jno. & Son, Worcester, Mass.
Marshall, Son & Co. ("Superior" Hand Card Cutter), 220 Purchase, Boston, Mass.
Otten Bros. 40 W Larned, Detroit, Mich.
Robinson, Jno. T. Co., Hyde Park, Mass.

Carpet Cleaning Machinery

Cleveland Laundry Machinery Co., 5222 Track rd, S E, Cleveland, O.
Reed Mfg. Co. (Carpet Cleaning Wheels), Springfield, O.

Carpet Sewing Machines

(See Sewing Machines)

Carriage Builders' Machinery

(See also Woodworking Machinery; also Hub, Spoke & Rim Machinery)

Abbott & Co. (Hub Bored), Hudson, Mich.
American Wood Working Machinery Co., Rochester, N. Y., West st. bldg. New York
Bentel & Margedant Co., Hamilton, O.
Cordesman, Meyer & Co., 55 Central av, Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., c Front & John, Cincinnati, O.
Greenlee Bros. & Co., Railway Exchange bldg. Chicago, Ill. Factory, Rockford, Ill.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Kane & Roach, Syracuse, N. Y.
Klots Machine Co., Sandusky, O.
Smith, Philip Co., Sidney, O.
Williams, White & Co., Moline, Ill.

Carriage Spring Machinery

(See Car & Carriage Spring Machinery)

Carton Sealing Machines

Automatic Packaging Co. ("Weyant"), Buffalo, N. Y.

Cartridge Machines

Blake & Johnson Co., Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Carving Machines

(See Wood Carving Machines)

Carving Machines (Corner Block)

Fay, J. A. & Egan Co., Cincinnati, O.
Smith, H. B. Machine Co., Smithville, N. J.

Carving Machines (Pattern Makers')

Porter, C. O. & A. D., Grand Rapids, Mich.

Cast Iron Pipe Cutting Machines

Smith, A. P. Mfg. Co. ("French"), Newark, N. J.

Casting Machines

(See Molding Machines, Foundry)

Castor Bean Oil Mill Machinery

PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)

Catsup Machines

Cottingham Harrison, Baltimore, Md.
Howes, S. Co., Silver Creek, N. Y.
Sinclair-Scott Co., Baltimore, Md.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Ceiling Machinery

(See Sheet Metal Workers' Machines, Etc.)

Celluloid Machinery

Cook, F. H. & Co., Leominster, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.

Cement Brick Machines

(See also Concrete Building Block Machinery)

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. index, end of book)
Ashland Steel Range & Mfg. Co. ("U. S."), Ashland, O
American Foundry Co., Leipsic, O.
Besser Mfg. Co., Alpena, Mich.
Burrell Mfg. Co. ("X-L-All" Hand Power), Bradley, Ill.
Cement Machinery Co., Jones bldg, Jackson, Mich
Concrete Building Supply Co. (Sand Cement Brick & Block Machines), Milwaukee, Wis.
Co-Operative Foundry Co., Detroit, Mich.
Dykema Co., Grand Rapids, Mich.
Edmondson Concrete Machinery Co. ("Peerless"), South Bend, Ind.
Emery & McKerlie, Bay City, Mich.
Enamel Concrete Co. (Enameled Concrete Brick), Des Moines, Ia.
Francis Machine Co., 710 N 8th, St. Louis, Mo.
La Grange Specialty Co. ("Little Giant"), La Grange, Ill.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Medium Hollow Block Machine Co. (Neis Erickson, Prop.), Minneapolis, Minn.
Moore Plow & Implement Co., Greenville, Mich
Peerless Brick Machine Co. ("Peerless"), Minneapolis, Minn.
Queen City Brick Machine Co. ("The Helm Press), Travers City, Mich
Runyan Concrete Machinery Co., Canal, Dover, Ohio
Schwab, R. J. & Sons Co., Milwaukee, Wis.
Seaman's Cement Brick Machine Co., Grand Rapids, Mich
Simplex Mfg. Co. ("Simplex"), Jackson, Mich.
Stearns Co., Erie, Pa.
Winner Block Machine Co. ("Winner"), Minneapolis, Minn.

Cement Burial Vault Machinery

Parry, L. L., Mansfield, O.

Cement Drain Tile Machines

(See Cement Sewer Pipe Machinery)

Cement Machinery

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Clay Machinery Co., Bucyrus, O.
Barnard & Leas Mfg. Co. (Cement Packers), Moline, Ill.
BARTLETT, C. O. & SNOW CO., French st., n Columbus, Cleveland, O. (See adv. index, end of book)
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Bonnot Company, Canton, O.
BRADLEY PULVERIZER CO. ("Griffin Mill"), 92 State, Boston, Mass.
Burrell Mfg. Co., 251 S Jefferson, Chicago, Ill.
Century Cement Machine Co., Rochester, N. Y.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.
Emerick, Geo. S. (Crushers, Dryers), Nazareth, Pa.
Great Western Mfg. Co., Leavenworth, Kan.
Howes, S. Co. (Cement Packers), Silver Creek, N. Y.
Kent Mill Co. (Pulverizers, etc.), 170 B'way, New York
Learner, P. H. ("Learner" Cement Fine), El-Martin, Wm. R., Lancaster, Pa. wood, Ind.
Mosser, W. F. & Son (Rotary Crushers), Allentown, Pa.
Newell Mfg. Co. (Cement Mills), 140 B'way, New York
Power & Mining Machinery Co., Cudahy, Wis.
Prosser, Thos. & Son, 15 Gold, New York
Raymond Bros. Impact Pulverizer Co., 143 Ladin, Chicago, Ill.
REEVES BROS. CO. (For Wet or Dry Process), Alliance, O. (See adv. index, end of book)
Robins Conveying Belt Co. (Belt Conveyors), Passaic, N. J.
SCHULE, F. H. CO. (Automatic Scales), 114-118 Liberty, New York. (See adv. index, end of book)
Smidth, F. L. & Co., 50 Church, New York
STROUD, E. H. & CO., 346 La Salle, Chicago, Ill. (See adv. index, end of book)
Sturtevant Mill Co., Clayton c Park, Dor., Boston, Mass
Thropp, John E. Sons Co., Trenton, N. J.
Traylor Engineering Co., Allentown, Pa.
Treadwell, M. H. Co., 90 West, New York; Works: Lebanon, Pa.
United Iron Works Co. (Cooling Towers, Sturry Tanks, Pug Mills, Slacking Machines, etc.), Springfield, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walker & Elliott (Mixers), Wilmington, Del.
WEBSTER MFG. CO. (Elevating & Conveying Appliances), 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
West Pulverizing Machine Co., Jersey City, N. J.

Cement Moulding Machines

(See Concrete Building Block Machinery)

Cement Post Machinery

Cement Machinery Co., Jackson, Mich.
Francis Machine Co., 710 N 8th, St. Louis, Mo.
Illinois Gravel Co. ("Scott's"), Princeton, Ill.
Post, D. & A. Mold Co. (Inc.), Three Rivers, Mich.
Stowell, E. R., New Corydon, Ind.

Cement Roofing Tile Machinery

(See Cement Shingle Machinery)

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Cement Sewer Pipe Machinery

Besser Mfg. Co., Alpena, Mich.
Concrete Stone & Sand Co. ("Pauly"), Youngstown, O.
Cement Tile Machinery Co. ("Schank"), Waterloo, Ia.
Miracle Pressed Stone Co. ("Miracle") Minneapolis, Minn.
Smidth, F. L. & Co., 50 Church, New York
Waterloo Cement Machinery Co., Waterloo, Iowa
Wilson & Baillie Mfg. Co., 26 Court, Brooklyn, N. Y.

Cement Shingle Machinery

Diamond Cement Machine Co. ("Diamond"). Toledo, O.
Diamond & Butterworth ("20th Century"), Morgan Park, Ill.
Janesville Cement Shingle Co., Janesville, Wis.
Learner, P. H. ("Learner"), Elwood, Ind.
U. S. Cement Machinery Co., Deshler, O.
Waterloo Concrete Roofing Co. (Inc.) ("Noxall," "Waterloo"), Waterloo, Iowa

Cement Slacking Machines

United Iron Works Co., Springfield, Mo.

Cement Testing Machines

(See Testing Machines, Cement)

Cement Weighing Machines (Automatic)

Avery Scale Co. ("Avery"), North Milwaukee, Wis.

Centering Machines

Binghampton Machine Tool Works, Binghampton, N. Y.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Heathcote, John & Son, Providence, R. I.
Hendey Machine Co., Torrington, Conn.
Huribut-Rogers Machine Co., So. Sudbury, Mass.
Kempsmith Mfg. Co. (Shaft), Milwaukee, Wis.
National Machine Co., Hartford, Conn.
Nasel Engineering & Machine Works, 4041 N 5th, Phila., Pa.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Phoenix Mfg. Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.
Weils, F. E. & Son Co., Greenfield, Mass.
Whiton, D. E. Machine Co. ("Whiton" Revolving), New London, Conn.

Centrifugal Machines (Laboratory)

Lonergan, J. E. & Co. ("Leffman's"), 211 Race, Phila., Pa.

Cereal Roasting Machines

(See Coffee, Peanut, Etc., Roasting Machines)

Chain Making Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Garvin Machine Co. (Bicycle), 137 Varick, New York
Union Foundry & Machine Co., Pittsburg, Pa
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Chain Mining Machines

(See also Coal Cutting Machines)

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
Morgan Gardner Electric Co., 2632 Shields av, Chicago, Ill.
Sullivan Machinery Co. (Electric), Railway Exchange bldg, Chicago, Ill.

Chain Testing Machines

(See Testing Machines, Chain)

Chair Machinery

(See also Cane-Seat Chair Machinery)

American Wood Working Machinery Co., Rochester, N. Y., & West St bldg, New York
Bancroft, Frank H., 210 N Main, Gardner, Mass.
Chase Turbine Mfg. Co. (Chair Back Machines), Orange, Mass.
Cordesman, Rechtin Co., Cincinnati, O
Fay, J. A. & Egan Co., Cincinnati, O
Gardner Machine Works (E. N. & W. H. Hobby, Prop's), Gardner, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Jenkins Machine Co., Sheboygan, Wis.
McKnight, L. G. & Son, Gardner, Mass.
Nash, J. M. (Special), Milwaukee, Wis.
Purdy Machine Co., Ghent, O.
Sawin, Edw. H., Gardner, Mass.
Whitney, Baxter D. & Son, Winchendon, Mass.

Chamfering & Crozing Machines

Putnam, D. C. & Co., Lyons, N. Y.

Channeling Machines

(See Stone Channeling Machines)

Charging Machines (Open Hearth)

Alliance Machine Co., Alliance, O.
American Furnace & Machine Co., Pittsburg, Pa.
MORGAN ENGINEERING CO. (For Billets, Blooms, etc.), Alliance, O. (See adv. index & branch offices, end of book)
Wellman-Seaver-Morgan Co. ("Wellman" Open Hearth Charging Machine & Boxes, Cleveland, O.

Cheese Box Machinery

Goo & Hopkins, Delavan, N. Y.
Jones, Frank L., Utica, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
Oakes & Burger, Cattaraugus, N. Y.

Cheese Factory Machinery

Burrell, D. H. & Co., Little Falls, N. Y.
Creamery Package Mfg. Co., 182 E Kinzie, Chicago, Ill.
Fargo Creamery Supply House, Lake Mills, Wis.
Jones, Frank L., Utica, N. Y.

Chemical Machinery

Pratt Engineering & Machine Co., Atlanta, Ga.
Stokes, F. J. Machine Co., 17th & Cambria, Phila., Pa.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Chewing Gum Machines

Mills, Thos. & Bro., 3108 N 4th, Phila., Pa.
Savage Bros. Co., 42 Michigan, Chicago, Ill.

Chocolate Dipping Machines

Annen Candy & Biscuit Co., Green Bay, Wis.
Champion Candy Machine Co., 3257 Old York rd, Phila., Pa.

Chocolate Machinery

American Chocolate Machinery Co., 106 E 16th, New York
Carey, Sam'l (Complete Plants), 17 State, New York
Holmes & Blanchard Co., 39 Washington N, Boston, Mass.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

Chucking Machines

American Tool Works Co., Cincinnati, O.
Baker Bros. (Vertical), Toledo, O.
Beckford, H. & Co., Lakeport, N. H.
Brown & Sharpe Mfg. Co. (Horizontal & Vertical), Providence, R. I.
Bullard Machine Tool Co., Bridgeport, Conn.
Cleveland Automatic Machine Co. ("Cleveland" Automatic), Cleveland, O.
Colburn Machine Tool Co. (Vertical), Franklin, Pa.
Davis, W. P. Machine Co. (Horizontal), Rochester, N. Y.
Fay & Scott, Dexter, Me.
Garvin Machine Co., Spring & Varick, New York
Gisholt Machine Co. (Turret Lathes for Finishing Castings & Forgings), Madison, Wis.
Hamilton Machine Tool Co., Hamilton, O.
Johnson, I. H., Jr., Co. (Inc.), Philadelphia, Pa.
Jones & Lamson Machine Co., Springfield, Vt.
King Machine Tool Co., Cincinnati, O.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Quint, A. D. (Vertical), Hartford, Conn.
Rogers Machine Tool Co., Alfred, N. Y.
Warner & Swasey Co., Cleveland, O.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

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Chucking & Turning Machines (Automatic)

Hartford Machine Screw Co., Hartford, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Potter & Johnson Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.

Cider & Wine Making Machinery

(See Wine Making Machinery)

Cigar Box Machinery

Bentel & Margedant Co., Hamilton, O.
Doig, Wm. S. (Box Nailing, etc.), 54 Franklin, Brooklyn, N. Y.
Grammes, L. F. & Sons, Allentown, Pa.
Johnston, Wm. T. Co. (Lumber Imitation), Cincinnati, O.
Shirk, P. E., Blue Ball, Pa.

Cigar Machinery

Detroit Cigar Machine & Tool Co., 914 Hastings, Detroit, Mich.
Ermold, E. (Branding Machine), 652 Hudson, New York
Grammes, L. F. & Sons, Allentown, Pa.
Liberman Mfg. Co., 812 Winter, Phila., Pa.
Miller, Dubrul & Peters Mfg. Co. (& Moulds, etc.), Cincinnati, O.
National Progress Bunching Machine Co., 341 E 59th, New York
New Jersey Machine Co., 120 Pacific, Newark, N. J.
New York Pneumatic Cigar Rolling Co., 102 Chambers, New York
Pittsburg Cigar Machine Co., Pittsburg, Pa.
Strieder, J. W. (Banding Machines, Automatic), 178 Ruggles, Boston, Mass.

Cigarette Box Machinery (Tin)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Cigarette Box Machines

Dietz Machine Works, 126 Fontain, Phila., Pa.

Cigarette Machinery

Comas Machine Co., Salem, Va.
Ludington, F. J. ("Ludington"), Waterbury, Conn.
Miller, Dubrul & Peters Mfg. Co., Cincinnati, Ohio
Rabell, Prudencio Cigarette Machine Co., 91 Wall, New York
United Cigarette Machine Co., Lynchburg, Va.
Winston Cigarette Machine Co., Winston, Salem, N. C.

Circular Folding Machines

Leffer, Charles & Co. (Used in Packing Baking Powder, Medicines, etc.), 63 Clymer, Brooklyn, N. Y.

Circular Stone Sawing Machines

(See Stone Sawing Machinery, with the words Circular Sawing following their names)

Circular Wood Sawing Machines

American Steam Pump Co., Battle Creek, Mich.
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Bentel & Margedant Co. (Re-Saws), Hamilton, Ohio
Comstock, Geo. S. (Steel Frame), Mechanicsburg, Pa.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co. (Resaws, etc.), 215 Butler, Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Kidder, R. E. (for Ripping & Cross Cutting), Worcester, Mass.
Lyon Iron Works, Greene, N. Y.
Spangler Mfg. Co., York, Pa.

Clapboard Machinery

Lane Mfg. Co., Montpelier, Vt.
Union Iron Works, Bangor, Me.

Clay Building Block Machinery

(See also Brick Machinery, also Brick Press Machines)

American Clay Machinery Co., Bucyrus, O.
Bonnot Company, Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Fate, J. D. Co., Plymouth, O.
Freese, E. M. & Co., Gallon, O.
Michigan Brick & Tile Machine Co., Morcent, Mich.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio

Clay Grinding Machines

BROWN, A. & F. CO. ("Cogswell"), 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Crossley Machine Co., Trenton, N. J.
Fernholtz Brick Machinery Co., Boyle & Old Manchester avs, St. Louis, Mo.
Rockwood Mfg. Co., Indianapolis, Ind.
Scott Mfg. Co., Keokuk, Ia.

Clay Tempering Machinery

Carnell, Geo. (Est. of), 1819 N. 5th, Phila., Pa.

Clay Washing Machinery

Crossley Machine Co., Trenton, N. J.
Raymond, C. W. Co., Dayton, O.

Clay Working Machinery

(See Brick Press Machines, Etc.)

Cleaning Machinery

(See Grain Cleaning & Grading Machinery)

Clock & Watch Makers' Machinery

Ames, B. C. & Co., Waltham, Mass.
Blake & Johnson Co., Waterbury, Conn.
Cross & Spiers Machine Co. (Automatic), Waterbury, Conn.
Draher, John, Waterbury, Conn.
STARK TOOL CO., Waltham, Mass. (See adv. index, end of book)
WALTHAM MACHINE WORKS, Waltham, Mass. (See adv. index, end of book)

Closing Machines for Friction Top Cans

American Can Co., 135 Adams, Chicago, Ill.

Closing Machines for Steel Lead Kegs

American Can Co., 135 Adams, Chicago, Ill.

Cloth Room Machinery

(See Textile Machinery & Supplies; for page number consult Index of Contents)

Clothes Pin Machinery

Humphrey Machine Co., Keene, N. H.
Goodspeed Machine Co., Winchendon, Mass.
Stauffer, Geo. E., East Stroudsburg, Pa.

Coal Breaker Machinery

Finch Mfg. Co., Scranton, Pa.
Grant Iron Works, Mahoney City, Pa.
Milholland, J. & B. Co., Pittsburg, Pa.
Roberts & Schaeffer Co. ("Jumbo"), Old Colony bldg, Chicago, Ill.

Coal Crushing Machinery

(See Crushers, Coal & Coke)

Coal Cutting Machines

(See also Chain Mining Machines)

Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
INGERSOLL-RAND CO. ("Radialaxe" & "New Ingersoll"), 11 B'way, New York. (See adv. index & branch offices, end of book)
JEFFREY MFG. CO. (Electric & Compressed Air), Columbus, O. (See adv. index & branch offices, end of book)
Morgan-Gardner Electric Co. (Electric), 2640 Shileds av, Chicago, Ill.
Pneumelectric Machine Co. ("Pneumelectric" Coal Puncher), Syracuse, N. Y.
Prox, Frank Co. (Electric), Terre Haute, Ind.
Sullivan Machinery Co. (Pick Machines, Compressed Air), Railway Exchange bldg, Chicago, Ill.
Whitcomb, Geo. D. Co., Rochelle, Ill.

Coal Mining Machinery

(See also Mining Machinery)

Aetna Foundry & Machine Co. (Hoisting Outfits, etc.), Springfield, Ill.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bartlett, A. F. & Co., Saginaw, Mich.
Eagle Iron Works, Des Moines, Ia.
Ellison, Wm. & Sons Mfg. Co., St. Louis, Mo.
Exeter Machine Works, Pittston, Pa.
Finch Mfg. Co., Scranton, Pa.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Grant Iron Works (Mine & Breaker Machinery), Mahoney City, Pa.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
JEFFREY MFG. CO. (Complete Equipment), Columbus, O. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Milholland, J. & J. B. Co., Pittsburg, Pa.
Morgan-Gardner Electric Co., 2640 Shields av, Chicago, Ill.
Mount Carmel Iron Works, Mount Carmel, Pa.
Pittsburg Coal Washer Co., Pittsburg, Pa.
Prox, Frank Co., Terre Haute, Ind.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Sullivan Machinery Co., Railway Exch bldg, Chicago, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.

Coal Mining Machinery (Electric)

(See also Chain Mining Machines; also Coal Cutting Machines)

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Morgan-Gardner Electric Co., 2640 Shields av, Chicago, Ill.
Ottumwa Iron Works, Ottumwa, Ia.
Pneumelectric Machine Co. ("Pneumelectric" Coal Puncher), Syracuse, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Coal Punching Machines

(See Coal Cutting Machines)

Coal Shearing Machines

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Sullivan Machinery Co. (A Vertical Coal Pick Machine), Railway Exch bldg, Chicago, Ill.

Coal Washing Machinery

American Concentrator Co. ("New Century"), Basic City, Va.
Comstock, Geo. S. (Also for Ore Washing), Mechanicsburg, Pa.
Heyl & Patterson, Pittsburg, Pa.
JEFFREY MFG. CO. ("Jeffrey-Robinson"), Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th cor Stewart av., Chicago, Ill., & 299 B'way, New York
Pittsburg Coal Washer Co., Pittsburg Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Stroh, W. H., Mauch Chunk, Pa.
Tamaqua Mfg. Co., Tamaqua, Pa.

Coal & Ore Handling Machinery

(See also Conveyors, Coal)

Alliance Machine Co., Alliance, O.
Andresen-Evans Co., Monadnock bldg, Chicago, Ill.
BARTLETT, C. O. & SNOW CO., Cleveland, O. (See adv. index, end of book)
BROWN HOISTING MACHINERY CO. (Coal Storage, Coal Unloaders, Car Dumpers, etc.), Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)
Browning Engineering Co. (Coal Unloaders, Car Dumps, etc.), Cleveland, O.
Bruce-Macbeth Engine Co., Cleveland, O.
Buhl Malleable Co., Detroit, Mich.
Caldwell, H. W. & Son Co., Western av & 17th, Chicago, Ill.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Carse Bros. Co. (Tramming Plants, etc.), 64 Wabash av, Chicago, Ill.
Conveying Machinery Co., 120 Liberty, New York
Denver Engineering Works Co., Denver, Col.
Dodge, J. M. Co., Nicetown, Phila., Pa.
Exeter Machine Works, Pittston, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fairmont Mining Machinery Co. (Of All Kinds), Fairmont, W. Va.

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G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Haiss, Geo. Mfg. Co., 141st & Rider av, New York
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hoover & Mason, 9 Jackson boul., Chicago, Ill.
Howe Scale Co., of Illinois, 1315 Wabash av., Chicago, Ill.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Interstate Engineering Co. (Complete Plants), Bedford, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
LAMBERT HOISTING ENGINE CO., Main Office & Works, 115-121 Poinier, Newark, N. J. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th cor Stewart av., Chicago, Ill., & 299 B'way, New York
McLanahan-Stone Machine Co., Hollidaysburg, Pa
McMyler Mfg. Co., Cleveland, O.
Macdonald Engineering Co., Chicago, Ill.
MEAD-MORRISON MFG. CO. (Automatic), Cambridge (Boston) Mass. (See adv. index & branch offices, end of book)
Milholland, J. & J. B. Co., Pittsburg, Pa.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York. (See adv. index & branch offices, end of book)
Pittsburg Conveying Machinery Co., Pittsburg, Pa.
Robins Conveying Belt Co., Passaic, N. J.
Sackett, H. B., Screen & Chute Co., 4210 State, Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
Wellman-Seaver-Morgan Co. ("Hulett"), Cleveland, O.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

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Williams, White & Co. (Coal Handling Only), Moline, Ill.

Coat & Hat Hook Machines (Automatic)

Morgan Spring Co., Worcester, Mass.
Nilson, A. H. Machine Co., Bridgeport, Conn.

Coating Machines for Roofing

Moore & White Co., Phila., Pa.

Coating Mill Machinery

Koegel, Chas. & Son, Holyoke, Mass.
Waldron, Jno. Co., New Brunswick, N. J.

Cockle Machines

Prins & Rau Mfg. Co., Milwaukee, Wis.

Cocoa Machinery

Carey, Sam'l (Complete Plants), 17 State, New York

Cocoa Plantation Machinery

Mason, Marcus & Co., Produce Exch, New York

Cocoanut Oil Machinery

Pusey & Jones Co., Wilmington, Del.

Coffee Cooling, Stoning & Elevating Machinery

Lambert Food & Machine Co., Marshall, Mich.

Coffee, Peanut & Cocoa Bean Roasting Machines

(See also Peanut & Coffee Roasters)

Abele, Christian (Bean Roasting Machines), 557 W. 50th, New York
Bartholomew Co., Peoria, Ill.
Burns, Jabez & Sons, 542 Greenwich, New York
Dunbar & Co. (Peanut & Pop Corn Roasters), 687 Fulton, Chicago, Ill.
Fraser Mfg. Co., 26 Cortlandt, New York
Hilbert Machine Co., Cincinnati, O.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Gas Coffee Roasters, etc.), Silver Creek, N. Y.
Kingery Mfg. Co., Cincinnati, O.
Lambert Food & Machine Co., Marshall, Mich.
Lange, Henry G., 22 N. May, Chicago, Ill.
Malt Wheat Biscuit Co. ("Eureka"), Marshall, Mich.
Milwaukee Gas Stove Co. (Perfection), Milwaukee, Wis.
Prims Machinery Co., Battle Creek, Mich.

Coffee & Rice Cleaning Machinery

Blymyer Iron Works Co., Cincinnati, O.
Farquhar, A. B. Co., York, Pa.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Salem Iron Works (Coffee Only), Winston Salem, N. C.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Coffee & Rice Plantation Machinery

Blymyer Iron Works Co., Cincinnati, O.
Engelberg Huller Co. (Hullers & Polishers), Syracuse, N. Y.
Mason, Marcus & Co., 329 Produce Exchange, New York
Salem Iron W'ks (Coffee Only), Winston Salem, N. C.

Coffee & Spice Mill Machinery

Burns, Jabez & Sons (Power Machines), 542 Greenwich, New York
Fraser Mfg. Co., 26 Cortlandt, New York
Marcus, Mason & Co., Produce Exch, New York

Coil Taping Machines

(For Armature Coil Taping)

Griswold, Geo. M. Co., New Haven, Conn.
Oliver Elec. & Mfg. Co. ("Precision"), St Louis, Mo
Ridlon, Frank Co. ("Ridlon"), Boston, Mass.
Smith & Wallace, Woburn, Mass.

Coil Winding Machines

(For Armature & Field Coils)

American General Engineering Co. ("A. G. E."), 253 B'way, New York
Columbia Machine Works & Malleable Iron Co. ("Columbia"), 269 Chestnut, Brooklyn, N. Y
Oliver Elec. & Mfg. Co. ("Precision"), St. Louis, Mo.
Ridlon, Frank Co. ("Ridlon"), Boston, Mass.
Smith & Wallace, Woburn, Mass.

Coin Counting Machines

Coin Counting Machine Co. ("Johnson"), 125 Monroe, Chicago, Ill.

Coin Operating Machines

(See Vending Machines

Coining Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
Johnson Iron Works (Ltd.), Julia & Delta, New Orleans, La.

Coke Crushing Machinery

(See Crushers, Coal & Coke)

Coke Oven Machinery

Phillips, Hine & Hill Supply Co., Pittsburg, Pa.
Scottdale Fdry. & Machine Co., Scottdale, Pa.
Variety Iron & Steel Works Co., Cleveland, O.
Wellman-Seaver-Morgan Co., Cleveland, O.

Cold Punched Nut Machines

National Machinery Co., Tiffin, O.

Cold Roll Pointing Machines (Automatic)

Morgan Construction Co., Worcester, Mass.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Cold Rolling Machines

WRIGHT WIRE CO., Worcester, Mass.

Cold-Saw Cutting-Off Machines

American Die & Tool Co., Reading, Pa.
Billings & Spencer Co. (Cold & Hot), Hartford, Conn.
Birdsboro Steel Fdry. & Machine Co. ("Wagner"), Birdsboro, Pa.
Burke Machinery Co., Cleveland, O.
Burr, Jno. T. & Sons, 420 Kent av, Brooklyn, N.Y.
Cochrane-Bly Co., Rochester, N.Y.
Espen-Lucas Machine Works (Hight Speed, etc., for Steel & Brass Foundry, Forge, Crankshafts, Round Bars, I Beams, etc., Solid or Inserted Tooth Saw Blade), 342 N 15th, Phila., Pa.
Fischer Foundry & Machine Co. (High Speed, Heavy), Ford City, Pa.
Ham, L. M. & Co., Boston, Mass.
High Duty Saw & Tool Co. (High Duty), Eddystone, Pa.
Higley Machine Co., Croton Falls, N. Y.
Hill Standard Mfg. Co. ("Hill" Automatic), Anderson, Ind.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hoefer Mfg. Co., Freeport, Ill.
Hub Machine & Tool Co. ("Acme"), 621 Cherry, Philadelphia, Pa.
Hulburt-Rogers Machine Co., South Sudbury, Mass.
Kentucky Gear & Machine Co., Louisville, Ky.
Lea Equipment Co. ("Lea-Simplex"), 90 West, New York
Mesta Machine Co., Pittsburg, Pa.
Newton Machine Tool Works (Inc.), 2347 Vine, Philadelphia, Pa.
Nutter, Barnes & Co., 326 A, Boston, Mass.
Pratt & Whitney Co., Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Quincy - Manchester - Sargent Co. ("Q. & C." Circular Saws), Plainfield, N. J.
Ryerson, Jos. T. & Son ("Ryerson" High Speed Friction), 16th & Rockwell, Chicago, Ill.
Scaife Foundry & Machine Co. (High Speed up to 80 H. P.), Pittsburg, Pa.
Smith & Post Co., Milwaukee, Wis.
Torrington Mfg. Co., Torrington, Conn.
United Engineering & Foundry Co. (High Speed, Heavy), Farmers' Bank bldg, Pittsburg, Pa.
Van Dyck-Churchill Co. ("Higley"), 93 Liberty, New York
Waterbury Farrel Fdry. & Machine Co., Waterbury, Conn.
Wetherill, R. & Co. (for Steel Foundries) Chester, Pa.

Cold Saw Sharpening Machines

Higley Machine Co., Croton Falls, N. Y.
Newton Machine Tool Works (Inc.), 2347 Vine, Philadelphia, Pa.
Smith & Post Co., Milwaukee, Wis.

Cold Swaging Machines.

Langelier Mfg. Co., Providence, R. I.

Collar Folding Machines

Interstate Machinery Co., Troy, N. Y.

Collar Seam Dampening Machines

Interstate Machinery Co., Troy, N. Y.

Color Sticking Machines

Stocker, J. W. (For Color Cards, etc.), 510 Schubert av, Chicago, Ill.

Comb & Hair Pin Machinery & Tools

Cook, F. H. & Co. (Horn, Tortoise Shell, Celluloid or Rubber), Leominster, Mass.

Commutator Slotting Machines

Device Improvement Co. ("Peerless"), Hanover, Pa.

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Compressed Yeast Machinery

Erhart, Chris, 1237 W 6th, Cincinnati, O.

Computing Machines

(See also Adding Machines)

Comptograph Co., 146 Blackhawk, Chicago, Ill.
Hamburger, Felix ("Brunsviga"), 78 5th av, New York
Office Men's Record Co. (Goldman's), 145 La Salle, Chicago, Ill.
Squaredeal Computer Co., 415 Colorado bldg, Washington, D. C.

Concentrating Machinery

(See Concentrators)

Concrete Brick Machines

(See Cement Brick Machines)

Concrete Building Block Machinery

AMERICAN CONCRETE CO. (Mfrs. Agents), 80 William, New York. (See adv. Index, end of book)
American Foundry Co., Leipsic, O.
American Hydraulic Stone Co., Denver, Col.
Anchor Concrete Stone Co., Rock Rapids, Ia.
Architectural Mold Co., Detroit, Mich.
Ashland Steel Range & Mfg. Co. ("United States," Face Down), Ashland, O.
Battjes Fuel & Building Material Co., Grand Rapids, Mich.
Besser Mfg. Co. ("Eureka"), Alpena, Mich.
Blakeslee Concrete Block & Machine Co., Columbus, O.
Brandell Concrete Block Machine Co. ("Brandell," Face Down), Madison & Dearborn, Chicago, Ill.
Bovee Grinder & Furnace Works, Waterloo, Iowa
Brooks, W. S. ("Brooks"), Akron, O.
Burrell Mfg. Co. ("X-L-All"), Bradley, Ill.
Cement Machinery Co. ("Normandin"), Jones bldg, Jackson, Mich.
Century Cement Machine Co. ("Hercules"), Rochester, N. Y.
Clover Leaf Co., South Bend, Ind.
Coltrin, R. B. Mfg. Co., Jackson, Mich.
Concrete Machinery Co., Detroit, Mich.
Concrete Stone & Sand Co. ("Pauley," Wall Machines), Youngstown, O.
Crouch, E. E., Oakland, Kans.
De Armon-McKinney Mfg. Co., Piqua, O.
Detrick, D. F., Dayton, O.
Diamond Cement Machine Co. ("Diamond"), Dietz-Franklin Co., Akron, O. Toledo, O.
Dunn, W. E. & Co., 339 Grand av, Chicago, Ill.
Dykema Co., Grand Rapids, Mich.
Edmondson Concrete Machinery Co., South Bend, Ind.
Eichelberger's, T. D. Sons ("Superior"), Dayton, O.
Enterprise Foundry Co. ("Perfection"), Rochester, N. Y.
Enterprise Concrete Machine Co., Central Savings Bank bldg, Baltimore, Md.
Ewing Concrete Machinery Co., Akron, O.
Fate, J. D. Co., Plymouth, O.
Fisher Hydraulic Stone & Machinery Co., Builders' Exchange, Baltimore, Md.
Flour City Cement Block & Machine Co., Minneapolis, Minn.
Francis Machine Co., 710 N 8th, St. Louis, Mo.
Francisco Block Machine Co., Columbus, O.
Goodwin, H. E., 208 Blake, Indianapolis, Ind.
Hall, James P., ft Henderson, Jersey City, N. J.
Hancock Block Machine Co., Lestershire, N. Y.
Hanna Engineering Works ("Schall"), 820 Elston av, Chicago, Ill.
Hartwick Machinery Co. ("Schieffer"), Jackson, Mich.
Hayden Automatic Block Machine Co. ("Hayden"), Columbus, O.
Hercules Mfg. Co. ("Hercules"), Centerville, Iowa
Hollow Wall Machine Co. ("Monolithic" Reinforced Hollow Wall Machines), Petoskey, Mich.
Howland, E. & Sons ("Howland"), Pontiac, Mich.
Hydraulic Concrete Machine Co., Ellicott sq, Buffalo, N. Y.
Hydraulic Press Co., Mount Gilead, O.
Ideal Concrete Machinery Co. ("Ideal"), South Bend, Ind.
Inman Concrete Building Block Machine Co., Beloit, Wis.
Iowa Building Block Machine Co., Waterloo, Iowa
Johnson Concrete Machine Co. ("Warren"), Sioux City, Ia.
Kells Fdry & Mach. Co., Adrian, Mich.
Louisville Machine Co., Louisville, O.
Mackay, A. D. & Co. ("Winget"), 100 Wash'n, Chicago, Ill.
Medium Hollow Block Machine Co. (Nels Erickson, Prop.) (Cement, Block & Brick), Minneapolis, Minn.
Miles, P. B. Mfg. Co., 214 S Mechanic, Jackson, Mich.
Miracle Pressed Stone Co. (Sidewalk, Tile, etc.), Minneapolis, Minn.
Modern Concrete Machy. Co., Terre Haute, Ind.
Montfort & Weaver (Gen'l Sales Agts.), 45 Clinton, Newark, N. J.
Moore Plow & Implement Co., Greenville, Mich.
Muistein & Wilson, 3d av & De Graw, Brooklyn, N. Y.
Multiplex Concrete Machine Co. ("Multiplex" Hand Lever), Elmore, O.
National Cement Machine Co. ("National"), Bay City, Mich.
National Concrete Machinery Co., Chicago, Ill.
National Hollow Concrete Block & Fire-Proofing Co., 921 F, N W, Washington, D. C.
New Enterprise Concrete Machinery Co. ("Silo" for Continuous Hollow Walls), 92 La Salle, Chicago, Ill.
Newsome Crushed Stone & Quarry Co., Nashville, Tenn.
No Damp Machinery Co. ("No Damp"), Minneapolis, Minn.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Olson & Richardson, Stoughton, Mich.
Palmer, Hamson S., The, 1450 Binney, Washington, D. C.
Peerless Brick Machine Co., Minneapolis, Minn.
Pettyjohn Co., Terre Haute, Ind.
Queen City Brick Machine Co., Traverse City, Mich.
Reed Mfg. Co., Springfield, O.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Rowell, G. D. & Son, Appleton, Wis.
Runyan Concrete Machinery Co. ("Runyan, Jr.," Side & Down Face), Canal Dover, O.
Sanford & Painter Co. ("Sanford"), Toledo, O.
Schwab, R. J. & Sons Co., Milwaukee, Wis.
Seaman's Cement Brick Machine Co., Grand Rapids, Mich
Simplex Mfg. Co. ("Simplex"), Jackson, Mich
Sixby & Grumme ("Reed"), Portland, Ind.
Somers Bros., Urbana, Ill.
South Bend Machine Mfg. Co. ("Standard"), South Bend, Ind.
Standard Machine Co. ("Standard," with Sifting Cones, etc.), Kent, O.
Standard Sand & Machine Co. ("Simplicity"), St. Clair, Cleveland, O
Stringer Machine Co. (Sewer, Culvert Blocks etc.), Jackson, Mich.
Thayer Cement Block Machine Co., Minneapolis, Minn
Van Smyth, Manley Construction Co. ("Standard" & "Ureka"), 264 William, New York
Walton Granolithic Co., Kansas City, Mo.
Waterloo Automatic Stone Machine Co., Waterloo, Ia.
Waterloo Concrete Brick & Block Machine Co., Waterloo, Ia.
Wert, C. S. ("Perfect"), Kendallville, Ind.
Wichita Coal & Material Co. ("Reed"), Wichita, Kans.
Winner Block Machine Co. ("Winner"), Minneapolis, Minn
X. L. Concrete Stone Machine Co., Kansas City, Mo.

Concrete Structural Tile Machines

Concrete Stone & Sand Co. ("Pauly," for Floors, Spans, Partitions, etc.), Youngstown, O.

Condensed Milk Can Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. Index, end of book)

Condensed Milk Machinery

Elgin Mfg. Co. ("Elgin" Rotary Fillers, etc.), Elgin, Ill.
Rogers, C. T. & R. R. Co., 34 Chope pl., Detroit, Mich
Stickney, Henry R. (Can Filling & Syruping, etc.), Portland, Me.

Conductor Pipe & Eave Trough Machinery

Armor Clad Mfg. Co. (Plain & Corrugated), Canton, O.
CANTON FOUNDRY & MACHINE CO. ("Universal"), Canton, O. (See adv. Index end of book)
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv Index, end of book
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. Index, end of book)

Conduit Bending Machines

(See Benders, Conduit)

Confectioners' Machinery

(See also Dough Mixing & Kneading Machinery, Etc.)

American Chocolate Machinery Co., 106 E 16th, New York
Anderson, J. P. & Co. (Mixing Machines, Cutters, Graters, Rools, etc.), 422 N 6th, Phila., Pa.
Annen Candy & Biscuit Co. (Chocolate Dipping Machines, etc.), Green Bay, Wis.
Barbour-Stockwell Co., Cambridgeport, Mass.
Buhr, Plaff & Co. ("Heilman" Candy Rolling Machines, etc.), Cincinnati, O.
Champion Candy Machine Co. (Cutters, Mixers, Chocolate Dippers, etc.), 3257 Old York rd, Phila., Pa.
Clad, V. & Sons (Cutters, Mixers, Copper Jacket Kettles, Revolving Pans, etc.), 239 S 12th, Phila., Pa.
Collum Mfg. Co. (Candy & Cream Coolers, Cutters, etc.), Hartford, Conn.
Confectioners & Bakers Supply Co. (Machinery Tools & Supplies of all Kinds), 218 E Washington, Chicago, Ill.
Confectioners' Mach'y & Mfg. Co., Springfield, Mass.
Crandall & Godley Co., 40 Renwick, New York
Day, J. H. Co. (Bakers', etc.), 1144 Harrison av, Cincinnati, O., & 76 Park pl., New York
Dopp, H. Wm. & Son, Buffalo, N. Y.
Duff, P. & Sons (Brandle & Smith Spinning Machines, etc.), 918 Duquesne, Pittsburg, Pa.
Echert, P. Co., 27 W Court, Cincinnati, O.
Heilman, Jno. C., C. H. & D. R'y & Gulow, Cincinnati, O.
Hicks, Geo. J. (Bakers' Supplies), 154 Nassau, New York
Hilbert Machine Co., Cincinnati, O.
Hildreth, Herbert L. Co. (Candy Pulling Machines, etc.), Boston, Mass.
Horton, Pembroke D. (Bakers'), 15th & Fairmount, Phila., Pa.
Kingery Mfg. Co., 131 E Pearl, Cincinnati, O.
Lange, Henry G., 22 N May, Chicago, Ill.
Magg, August Co. (Freezers, Tools & Supplies, etc.), Baltimore, Md.
Marquette, John N. (Marshmallow Machines), 509 S Eden, Baltimore, Md.
Mills, Thos. & Bro. (Mixers, Cutters, Freezers, etc.), 3108 N 4th, Phila., Pa.
Racine Engine & Machinery Co. (Chocolate Mixers, Cream Beaters, etc.), Racine, Wis.
Rittenhouse, Frank (Nougat Cutting Machines, etc.), Norristown, Pa.
Rockwell, L. A. ("Bakers"), 9 Elizabeth, New York
Savage Bros. Co. (Mixers, Chewing Gum Machines, Revolving Pans etc.), 42 Michigan, Chicago, Ill.
Scientific Bread Machine Co. (Bread Mixing & Kneading Machinery), 52d & Media, Phila., Pa.
Standard Candy Machine Co. ("Igou" Candy Pullers & Kiss Wrappers, etc.), Columbus, Ohio
Traud, Alex. Co., Newark, N. J.
Thomson, C. A. Machine Co. (Bakers'), Belleville, N. J.
Watkins, Jas. Y. & Son, 16 Catharine, New York
Werner, Jno. Machine Works (Labor Saving Confectionery Machines), Rochester, N. Y.

Connecting Rod Boring Machines

Prentice Bros. Co. (Locomotive), Worcester, Mass.

Conveying Machinery

(See Elevating & Conveying Machinery; also Conveyors of Various Kinds)

Cooperage Machinery

(See Barrel, Keg, Stave & Heading Machinery)

Coping Machines

Bertsch & Co., Cambridge City, Ind.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. Index, end of book)
Ham, L. M. & Co. ("Ham's"), Boston, Mass.
Long & Allstatter Co. (Beam Coping, etc.), Hamilton, O.
Williams, White & Co. (Coping & Punching Machines), Moline, Ill.

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Copper Converting Machinery

Alliance Machine Co., Alliance, O.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Copper Working Machinery

Portage Lake Foundry & Machinery Co., Hancock, Mich.

Cord Wood Sawing & Splitting Machines

(See Kindling Wood Machinery)

Cordage Machinery

Birch Bros. (Rope), Somerville, Mass.
Brownell, G. L. (for Twisting & Spinning, for Twines, Lines & Cordage, from all Materials), Worcester, Mass.
Finigan-Zabriskie Co., Paterson, N. J.
Haskell-Dawes Machine Co., 176 Federal, Boston, Mass. Works, Frankfort Jct., Phila., Pa.
Hoover & Gamble Co. (Hard Fibre, Sisal & Manilla, Cordage & Twine), Miamisburg, O.
Kelly, R. A. Co. (Cordage), Xenia, O.
Lockwood Mfg. Co. (Also Binder Twine & Rope), 61 Sumner, E. B., Boston, Mass.
Watson Machine Co., Paterson, N. J.

Core Box Cutting Machines

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Portland Co. ("Thomes"), Portland, Me.

Core Making Machines

Brown Specialty Machinery Co. ("Hammer"), Jackson boul & Clinton, Chicago, Ill.
Demmler, Wm. & Bros., Kewanee, Ill.
Diamond Clamp & Flask Co., Richmond, Ind.
Falls Rivet & Machine Co. ("Wadsworth" improved), Cuyahoga Falls, O
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Venango Mfg. Co., Franklin, Pa.

Core Tapering Machines

Brown Specialty Machinery Co., Jackson boul & Clinton, Chicago, Ill
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Cork Cutting Machinery

Barber, M. A., Norwich, Conn.

Cork Machinery

Blickendefer, Richard, Lancaster, Pa.

Cork Sticking Machines

Girard Machine Works (Inc.), 2616 Girard av, Phila., Pa.

Corking Machines

(See Bottle Corking Machines)

Corking Machines (Preservers')

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)

Corn Cutting Machines

Morral Bros., Morral, O.
SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Corn Mill Machinery

Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. (Monitor), Silver Creek N. Y.
Invincible Grain Cleaner Co., Silver Creek N. Y.
Salem Foundry & Machine Works, Salem, Va
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Starr, B. F. Co., 453 North, Baltimore, Md.
Wolf Co., Chambersburg, Pa.

Corn Mixing Machines

Prime Machinery Co., Battle Creek, Mich.
SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Corn Oil Machinery

Buckeye Iron & Brass Wks., Dayton, O.
Callahan, W. P. & Co., 901 E. 3d, Dayton, O.
BLISS, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
French Oil Mill Machinery Co., Piqua, O.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Corn Silking Machines

Morral Bros., Morral, O.
Sinclair-Scott Co., Baltimore, Md.
SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Corn Splitting Machines

Eureka Fence Mfg. Co. ("Poindexter), Richmond, Ind.

Cornice Makers' Machinery

(See also Sheet Metal Workers' Machines & Tools)

Double Truss Cornice Brake Co., Buffalo, N. Y.
Keene, Geo. C. & Co., Cincinnati, O.
Loy & Nawrath Co., Newark, N. J.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. Automatic Power Brakes, etc.), 157 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson, J. M. Mfg. Co., Cincinnati, O.

Corporation Cock Inserting Machines

Smith, A. P. Mfg. Co. (For Water Works), Newark, N. J.

Corrugating Machines

(See also Sheet Metal Workers' Machines & Tools)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Keene, Geo. C. & Co., Cincinnati, O.
Lewis Foundry & Machine Co., Coraopolis, Pa.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson, J. M. Mfg. Co., Cincinnati, O.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburg, Pa.

Corset Machinery

Adams, A. L., Bridgeport, Conn.

Cotter Pin Machinery

Manville Bros. Co., Waterbury, Conn.
Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn
SHUSTER, F. B. CO. (Automatic), New Haven, Conn. (See adv. index, end of book)

Cotton Ginning Machinery

Adams, W. T. Machine Co. (Handles), Corinth, Miss.
Avery, B. F. & Sons (Handles), Louisville, Ky
Brown Cotton Gin Co., New London, Conn.
Carver Cotton Gin Co., East Bridgewater, Conn.
Chickasaw Iron Works (Handles), Memphis, Tenn.
Continental Gin Co. (Hand & Power), Bridgewater, Mass.
Continental Gin Co., Birmingham, Ala.; Prattville, Ala.; Atlanta, Ga.; East Bridgewater, Mass.
Gantt Mfg. Co., Macon, Ga.
Georgia Agricultural Works (Georgia Centennial Cotton Gin, Feeder & Condenser, Suction Elevators & Other Cotton Ginning Specialties), Fort Valley, Ga
Gullett Gin Co., Anite City, La.
Kelly Plow Co. (Handles), Longview, Texas
Liddell Co., Charlotte, N. C.
Lummus, F. H. Sons & Co., Columbus, Ga.
Means, J. L. Machinery Co. (Handles), Shreveport, La.
Murray Co., Dallas, Texas
Southern Engine & Boiler Works (Inc.) (Handles), Jackson, Tenn.
Thomas-Fordyce Mfg. Co., Little Rock, Ark.
Tompkins, D. A. Co. (Handles), Charlotte, N. C.
Valk & Murdock Iron Works, Charlestown, S. C.
Van Winkle Gin & Machine Co., Atlanta, Ga.
White, S. R. & Bro. (Handles), Norfolk, Va.

Cotton Machinery

(See Textile Machinery, etc. For page number consult Index of Contents)

Cottonseed Oil Machinery

American Machine & Mfg. Co., Charlotte, N. C.
Boomer & Boschert Press Co., Syracuse, N. Y.
Brown Cotton Gin Co., New London, Conn.
Buckeye Iron & Brass Works (Also Linseed), Dayton, O.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Callahan, W. P. & Co. (Linseed & Corn Also), Dayton, O.
Carver Cotton Gin Co., East Bridgewater, Mass.
Cardwell Machine Co., Richmond, Va.
Columbus Machinery & Foundry Co., Columbus, Miss.
Continental Gin Co. (Linter Feeders, Condensers, Presses, etc.), Birmingham, Ala. & Bridgewater, Mass.
Foos Mfg. Co. (Crushers, Separators, Shakers & Cleaners), Springfield, O.
French Oil Mill Machinery Co., Piqua, O.
Fritz, Geo. J. Foundry & Machine Co., 2008 S. 3d, St. Louis, Mo.
PLATT IRON WORKS CO. (Also Linseed), Dayton, O. (See adv. index & branch offices, end of book)
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Van Winkle, E. Gin & Machine Works, Atlanta, Ga.
WEBSTER MFG. (Reels, Beaters, Shakers, etc.), 1073 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Counting Machines

Durant, W. N. Co., Milwaukee, Wis.
Grant Mfg. & Machine Co., Bridgeport, Conn.
National Scale Co. ("National," Counting & Weighing), Chicopee Falls, Mass.
Reliance Counter Co. ("Reliance"), Milwaukee, Wis.
Root, Chas. J. ("Elm City," "Bristol," "Root"), Bristol, Conn.

Coupling Bending Machines

United Engineering & Foundry Co. (For Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.

Coupling Expanding Machines

Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Coupling Rolling Machines

Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Coupling Tapping Machines

United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Cracker & Biscuit Machinery

Champion Machinery Co., Joliet, Ill.
Harton, Pembroke D., Fairmount av & 15th, Philadelphia, Pa.
Roth-McMahon Co., South Evanston, Evanston, Ill.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Crank Boring Machines

Niles-Bement-Pond Co., 111 B'way, New York

Crank Pin Turning Machines

Clyde Machine Works ("The Clover"), 3913 Union av, Chicago, Ill.
Stow Flexible Shaft Co., 20th & Callowhill, Phila., Pa.
Tindel-Morris Co. (Crank Pin Lathes), Eddystone, Pa., & Ellwood City, Pa.
Underwood, H. B. & Co. (Portable), 1023 Hamilton, Phila., Pa.

Crate Machinery

Chase Turbine Mfg. Co., Orange, Mass.
Merritt Mfg. Co., Lockport, N. Y.
Saranac Machine Co. ("Advance" Stapling Machines), St. Joseph, Mich.

Crate Slat Cutting Machines

Trevor Mfg. Co., Lockport, N. Y.

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Cream Whipping Machines

Montani & Co., 1147 1st av, New York

Creamery Machinery

(See also Separators, Cream)

Barclay, D. F. (and Supplies), Elgin, Ill.
Burrell, D. H. & Co., Little Falls, N. Y.
Chapman, C. L., Erie, Pa.
Creamery Package Mfg. Co., 182 E Kinzie, Chicago, Ill.
Dairy Machinery & Cons. Co., Derby, Conn.
Dairy Specialty Co. (Combined Churn & Butter Worker, Babcock Milk Tester, Milking Machines, etc.), Westchester, Pa.
De Laval Separator Co., 74 Cortlandt, New York
Dobson Mfg. Co., Rockford, Ill.
Fargo Creamery Supply House, Lake Mills, Wis.
Hendy, Joshua Machine Works, 38 Fremont, San Francisco, Cal.
Jones, Frank L., Utica, N. Y.
Moseley & Prichard Mfg. Co., Clinton, Ia.
National Dairy Machine Co., Newark, N. J.
Oakes & Burger, Cattaraugus, N. Y.
Read, A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.
Sharpless Separator Co., 32 S Canal, Chicago, Ill.
Stoddard Mfg. Co., Rutland, Vt.
Vermont Farm Machine Co., Bellows Falls, Vt.

Creasing Machines (Paper, Cloth & Strawboard)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Crimping Machines for Tops on Tooth Powder Boxes

American Can Co., 135 Adams, Chicago, Ill.

Crimping & Beading Machines

(See also Sheet Metal Workers' Machines & Tools)

American Can Co. ("Rudolphi" & "Krummel"), 135 Adams, Chicago, Ill.
BLISS, E. W. CO. (for Cannmakers, etc.), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO. ("Universal" Beading, for Eave Troughs), Canton, O. (See adv. index, end of book)
Eclipse Machine Co., Troy, N. Y.
Hibbard, Wm. H. Mfg. Co. (Beading Machines Only), 79 Washington, Brooklyn, N. Y.
Keene, Geo. C. & Co., Cincinnati, O.
Leffler, Chas. & Co. (For Can Makers, etc.), 63 Clymer, Brooklyn, N. Y.
Loy & Nawrath Co., Newark, N. J.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson, J. M. Mfg. Co., Cincinnati, O.
Slaysman & Co. (Canmakers' Crimping), 718 E Pratt, Baltimore, Md.
Swaine, Fred J. Co., St. Louis, Mo.

Cross Cut Sawing Machines

Farquhar, A. B. (Ltd.), York, Pa.

Cupel Machines

Braun, F. W. ("Braun" Produce Homogeneous Cupels), Los Angeles, Cal.

Curled Hair Machinery

Hood, R. H., 1842 Germantown av, Phila., Pa.

Curtain Pole Machines

Bentel & Margedant Co., Hamilton, O.
Heath, W. A. Machine Co., Lestershire, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
Smith, H. B. Machine Co., Smithville, N. J.,

Curtain Pole Sanding & Finishing Machines

Bentel & Margedant Co., Hamilton, O.
Pringle & Brodie Machinery Co., 277 S Canal, Chicago, Ill.

Cutlery Machinery

Oakes & Burger (Cheese Knives, etc.), Cattaraugus, N. Y.

Cutlery Polishing Machines

Dilg Mfg. & Trading Co., 663 E 163d, New York

Cutting Machines (for Fabrics)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

Cutting-Off Machines (Cold Metal)

See Metal Cutting-Off Machines; also Cold Saw Cutting-Off Machines)

Cutting-Off Machines (Wood)

(See Wood Cutting-Off Machines)

Cutting & Punching Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (One Operation for Cutting and Punching Strips of Tin, Iron, Fibre, etc.), 88 McWhorter, Newark, N. J.

Cyanide Machinery

(See Cyanide Plants)

Cylinder Boring Machines

Baker Bros., Toledo, O.
Barrett Machine Tool Co., Meadville, Pa.
Beamant & Smith Co., Providence, R. I.
Binsee Machine Co., Newark, N. J.
Cincinnati-Bickford Tool Co., Cincinnati, O.
ELMES, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Fisher Machine Works (Portable for Re-Boring), Leavenworth, Kan.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Jones, W. A. Foundry & Machine Co., 143 W North av, Chicago, Ill.
Mathews, Hugh (Portable Re-Boring Bars), Kansas City, Mo.
Newton Machine Tool Works, 2847 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. & Co., Worcester, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Stow Flexible Shaft Co. (Portable), Phila., Pa.
Underwood, H. B. & Co. (Portable), 1025 Hamilton, Phila., Pa.

Dado Machines

American Woodworking Machinery Co., Rochester, N. Y., & West St. bldg, New York
Bentel & Margedant Co., Hamilton, O.
Cordesman, Rechtin Co., Cincinnati, O.
New Britain Machine Co., New Britain, Conn.
Power, L. & Co. (Combination Saw & Dado Machines), 20 S 23d, Phila., Pa.
Yerkes & Finan Woodworking Machine Co. (Combination Saw & Dado Machines), St. Louis, Mo.

Damasking Machines

STARK TOOL CO. ("Stark," Automatic), Waltham, Mass. (See adv. index, end of book)

Dating Machines

AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)
Bates Machine Co. ("Bates" Automatic), 696 Jamaica av, Brooklyn, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
Peerless Stamp & Stencil Co., Muncie, Ind.
Girard Machine Works (Inc.), 2616 Girard av, Phila., Pa.

Die Chamfering Machines

Hartford Machine Screw Co., Hartford, Conn.

Die Plate Hammering Machines

Bates Machine Co., Joliet, Ill.

Die Sinking Machines

Cook, Asa C. Co., 80 Huyshope av, Hartford, Conn.
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Newton Machine Tool Works (Inc.), 2347 Vine, Phila., Pa.
Perkins, Henry Co. (Die Making), Bridgewater, Mass.
Pratt & Whitney Co., Hartford, Conn.
Royle, Jno. & Sons (Inc.), Paterson, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Die Sinking & Milling Machines (Combined)

Newton Machine Tool Works (Inc.), 2347 Vine, Phila., Pa.

Die Slotting Machines

Garvin Machine Co., 137 Varick, New York

Digging Machinery

(See Ditching Machines; also Shovels, Steam)

Digging Machinery (Canal)

(See also Shovels, Steam)

HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

Disc Grinding Machines

(See Grinders, Disc)

Disc Making Machines

Kripp-Mason Machine Co., 1636 N Hutchinson, Phila., Pa.

Disc Notching Machines (Armature)

(See Armature Disc Notching Machines)

Disc Sanding Machines

Bentel & Margedant Co. (Single & Double), Hamilton, O.
Oliver Machinery Co. (Pattern Makers, etc.), Grand Rapids, Mich.

Dish Washing Machines

Blakeslee, G. S. & Co., 325 Dearborn, Chicago, Ill., & 280 W B'way, New York
Bodell, A. W. ("Cyclone"), 27 S Clinton, Chicago, Ill.
Buffalo Dish Washer Co., Buffalo, N. Y.
Crammond Mfg. Co., Waukegan, Ill.
Fearless Dish Washer Co., Rochester, N. Y.
Garis-Cochrane Mfg. Co., Auditorium bldg, Chicago, Ill.
Gill, P. H. & Sons, Lorraine & Orsego, Brooklyn, N. Y.
Hamilton-Low Co. ("Vortex"), 145 E 42d, New York
Insinger Co., Stenton av, above Wayne Jct., Phila., Pa.
Keeler Mfg. Co. ("Santo"), 21st & Allegheny av, Phila., Pa.
Mound City Dish Washer Co., 1758 Waverly pl., St. Louis, Mo.
National Dish Washer Co. ("Little Giant"), Binghamton, N. Y.
Parish Machine Co. ("Excelsior"), 742 E 12th, New York
Success Dish Washing Machine Co., Wooster, Ohio
Wrought Iron Range Co., St. Louis, Mo.

Disinfecting Machinery

Kny-Scheerer Co., 289 9th av, New York
McLauthlin, Geo. T. Co., 120 Fulton, Boston, Mass.
Vogel, Wm. & Bros. (Automatic Drip), 37 S 9th, Brooklyn, N. Y.

Distillers' Machinery

KAESTNER & CO. (Inc.), 241 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Straub Machinery Co., Cincinnati, O.

Ditching Machines

(See also Road Machines & Graders; also Road Scrapers, Drag & Wheel; also Shovels, Steam; also Ditching Machines, Traction)

American Road Machine Co., Kennett sq, Pa.
Austin, F. C. Drainage Excavator Co., R'y Exch bldg, Chicago, Ill.
Austin Mfg. Co., Manhattan bldg, Chicago, Ill.
Works, Harvey, Ill.
Bucyrus Co., South Milwaukee, Wis.
Edwards, C. D. (Ditching Machinery), Albert Lea, Minn.
Enterprise Mfg. Co., Columbiana, O.
Fairbanks Steam Shovel Co., Marion, O.
Good Roads Machinery Co., Kennett sq, Pa.
Grant, John Ship Yards (For Irrigation Work, etc.), Stockton, Cal.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)

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Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Mahoney Railroad Ditching Machine Co. (Railroad), Vincennes, Ind.
Mayer Bros. (Inc.) ("Mayer" Straddle), Mankato, Ill.
Municpal Engineering & Contracting Co., R'y Exch bldg, Chicago, Ill.
Osgood Dredge Co., Albany, N. Y.
Russell Grader Mfg. Co. ("Russell" Grader & Ditcher), Minneapolis, Minn.
Smith & Sons Mfg. Co., Kansas Cit, Mo.
Stacey, Wm., Iowa Falls, Iowa
Vulcan Iron Works Toledo, O.
Western Wheeled Scraper Co., Aurora, Ill.

Ditching Machines (Railroad)

(See also Ditching Machines; also Shovels, Steam)

Austin Mfg. Co., Manhattan bldg, Chicago, Ill.; Works: Harvey, Ill.
Buckeye Traction Ditcher Co. ("Buckeye" Traction Ditcher), Findlay, O.
Bucyrus Co., South Milwaukee, Wis.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Mahoney Railroad Ditching Machine Co., Vincennes, Ind.
Marion Steam Shovel Co., Marion, O.
Mayer Bros. (Inc.) ("Mayer" Straddle), Mankato, Ill.
Municipal Engineering & Contracting Co. B'y Exchange bldg, Chicago, Ill.
Western Wheeled Scraper Co., Aurora, Ill.

Ditching Machines (Traction)

(See also Ditching Machines)

Buckeye Traction Ditcher Co. ("Buckeye"), Findlay, O.
Van Buren, Heck & Marvin Co. ("Buckeye"), Findlay, O.

Double Seaming Machines

(See also Sheet Metal Workers' Machines & Tools)

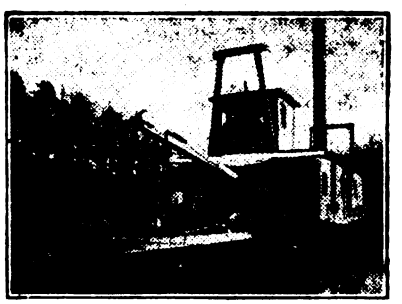
American Can Co ("Rudolphi" & "Krummel," for Tin & Sheet Metal Work), 135 Adams, Chicago, Ill.
Ams, Max Machine Co. (For Round Cans), Mount Vernon, N. Y.
Atwood-Morrison Co., Stonington, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Keene, Geo. C. & Co., Cincinnati, O.
Leffler, Chas. & Co. (For Can Makers, etc.), 63 Clymer, Brooklyn, N. Y.
NIAGARA MACHINE & TOOL Works ("Hulbert's"), Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson, J. M. & Co., Cincinnati, O.
Swaine, Fred. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Zeh & Hahnemann, Vanderpool & Av A, Newark, N. J.

Dough Dividing Machines

American Oven & Machine Co., 40 Dearborn, Chicago, Ill.
Champion Machinery Co. ("Champion"), Joliet, Ill.
Dutchess Tool Co. ("Van Houten" Automatic), Fishkill on Hudson, N. Y.
Katzinger, Edw. Co. ("Ekco" Automatic), 11 S Peoria, Chicago, Ill.
Lynn-Superior Co., Cincinnati, O.
Thomson, C. A. Machine Co. ("Goudy" Automatic), Belleville, N. J.
Triumph Mfg. Co. ("Triumph"), Cincinnati, O.
Werner & Pfleiderer ("W. & P."), Saginaw, Mich.
Zoeller, Wm. ("36 Part"), 83 N Curtis, Chicago, Ill.

Dough Mixing & Kneading Machinery

American Oven & Machine Co. ("New Era"), 40 Dearborn, Chicago, Ill.
Atlantic Stamping Co., Rochester, N. Y.
Champion Machinery Co., Joliet, Ill.
Day, J. H. Co., Cincinnati, O.
Fowler, Richard E. & Co. ("Paragon"), Hanover, Pa.
Gem Mfg. Co. ("Knead Full Breadmaker"), Everett, Mass.
Hicks, Geo. J. (Inc.), 108 Chambers, New York
Joliet Machinery Co. ("Gearless"), Joliet, Ill.



WETHERILL BROS. MACHINE CO.
CHESTER, PA.
Hydraulic Dredges
AND
Dredging Machinery
ENGINEERS AND MACHINISTS

Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lynn-Superior Co. ("Superior," "Rapid"), Cincinnati, O.
Manning, Bowman & Co. ("Eclipse"), Meriden, Conn.
Norrish, Burnham & Co. (Inc.), Glen Rock, Pa.
Oelman & Co., Detroit, Mich.
Pritchard, Strong Mfg. Co., Rochester, N. Y.
Rockwell, L. A., 9 Elizabeth, New York
Ruttkamp-Mincke Co. ("Ruttkamp"), Jersey City, N. J.
Stowell Mfg. & Foundry Co., Milwaukee, Wis.
Superior Tool & Supply Co. ("Superior" Double), 500 E Front, Cincinnati, O.
Triumph Mfg. Co. ("Triumph," "Perfect"), Cincnnati, O.
WERNER & PFLEIDERER (78 Different Classes & Types), Saginaw, Mich. (See adv. index, end of book)

Dough Moulding Machines

Thomson, C. A. Machine Co. ("Thomson," Combination Roll), Belleville, N. J.
Triumph Mfg. Co., Cincinnati, O.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Doughnut Machinery

Butter Cream Doughnut Machine Co., Kansas City, Mo.
Megson, R. & Co., Boston, Mass.

Dovetailing Machines

ADVANCE MACHINERY CO. (Gang), Toledo, O. (See adv. index, end of book)
American Steam Pump Co. ("Boult's"), Battle Creek, Mich.
Bentel & Margedant Co., Hamilton, O.
Dodds, Alexander (Gang), Grand Rapids, Mich.
Dovetail Box Machine Co. (For Dovetail Boxes, etc.), St. Paul, Minn.
Fay, J. A. & Egan Co., Cincinnati, O.
Fischer, E. Machine Works (Single), 710 Carroll av, Chicago, Ill.
Goodspeed Machine Co. ("Stimpson's"), Winchendon, Mass.
Yerkes & Finan Woodworking Machine Co. (Gang, etc.), St. Louis, Mo.

Dowel Door Machinery

Hayes, E. B. Machine Co., Oskosh, Wis.

Dowel Machines

(See Rod, Pin & Dowel Machinery)

Drafting Machines

Universal Drafting Machine Co., Blackstone bldg, Cleveland, O.

Drain Tile Machinery

American Clay Machinery Co., Bucyrus, O.
Anderson Fdry & Mach. Works, Anderson, Ind.
Arnold-Creager Co., New London, O.
Bonnot Company, Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Cement Tile Machinery Co. ("Schenck"), Waterloo, Iowa
Fate, J. D. Co., Plymouth, O.
Freese, E. M. & Co., Galion, O.
Ideal Fence Co., Adrian, Mich.
Kells Foundry & Machine Co., Adrion, Mich.
Madden & Co. (Augur Tile Machines), Rushville, Ind.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Michigan Brick & Tile Machine Co., Morenci, Mich.
Raymond, C. W. Co., Dayton, O.
Smidth, F. L. & Co., 50 Church, New York
Wallace Mfg. Co., Frankfort, Ind.

Draw Bridge Machinery

(See also Bridge Machinery for Bascule Bridges)

Currier, Cyrus & Sons, Newark, N. J.
Edwards, Jos. & Co. (For Opening Draw Bridges), 414 Water, New York
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Interstate Engineering Co., Bedford, O.
Nichols, Geo. P. & Bro. (Electric & Equipments), Old Colony bldg, Chicago, Ill.
Smith, Augustus, 149 B'way, New York
Smith, Theodore & Sons Co., ft of Essex, Jersey City, N. J.

Drawer Fitting Machines

Bentel & Margedant Co. (For Fitting & Sizing Drawers), Hamilton, O.

Dredging Machinery

(See also Excavators, Steam; also Excavating Machinery)

Atlantic Equipment Co., 30 Church, New York
Atlantic, Gulf & Pacific Co., Park Row bldg., New York, & San Francisco, Cal.
American Steel Dredge Works, Logansport, Ind.
Bartlett, A. F. & Co., Saginaw, Mich.
Beatty, M. & Sons, Welland, Ontario, Canada
Bellefontaine Foundry & Machine Co., Bellefontaine, O.
Browning Engineering Co., Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
Codd, E. J. Co., 700-708 S Carpoline, Baltimore, Md.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Fairbanks Steam Shovel Co. (Steam Dredges), Marion, O.
Featherstone Foundry & Machine Co., 303 Railway Ex., Chicago, Ill.
FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Globe Iron Works (Inc.), Stockton, Cal.
Golden State & Miners' Iron Works, San Francisco, Cal.
Grant, John Ship Yards (For Reclamation & River Work), Stockton, Cal.
Hammond Mfg. Co. (Inc.), Portland, Ore.
Hardie Tynes Mfg. Co., Birmingham, Ala.
Hayes Machine Co. (Inc.), Kingston, N. Y.
HAYWARD CO., THE, 50 Church, New York. (See adv. index, end of book)
Jackson & Church Co., Saginaw, Mich.
Krogh Mfg. Co., San Francisco, Cal.
Marion Steam Shovel Co., Marion, O.
Mayer Bros. (Inc.) (Steam Dredges), Mankato, Minn.
Municpal Engineering & Contracting Co., R'y Exch bldg, Chicago, Ill.
New York Engineering Co., 2 Rector, New York
Ohio Steam Shovel Co. (Dipper Dredges, etc.), Toledo, Ohio
Osgood Dredge Co., 37 State, Albany, N. Y.
Portland Co., Portland, Me.
Risdon Iron & Locomotive Works, Stewart c Folsom, San Francisco, Cal.
Smith, Theo. & Sons Co., foot of Essex, Jersey City, N. J.
Stockton Iron Works (Portable), Stockton, Cal.
Superior Iron Wks., Superior, Wis.
Toledo Foundry & Machine Co., 202 Cherry, Toledo, O.
Treadwell, M. H. Co., 90 West, New York; Works: Lebanon, Pa.
Urie-Snyder Iron Works Co., Kansas City, Mo.

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Vulcan Iron Works, 59 Milwaukee av, Chicago, Ill
Vulcan Steam Shovel Co. (Bucket & Dipper Dredges), Toledo, O.
WETHERILL BROS. MACHINE CO. (Hydraulic, Suction, etc.), Chester, Pa. (See adv. index, end of book)
Willamette Iron & Steel Works, Portland, Ore.

Dredging Machinery (Hydraulic)

Atlantic Gulf & Pacific Co., 15 Park row, New York
Bucyrus Co., S Milwaukee, Wis.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Edwards, Jos. & Co., 414 Water, New York
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Great Lakes Engineering Works, Detroit, Mich.
Risdon Iron & Locomotive Works, Stewart c Folsom, San Francisco, Cal.
Springfield Boiler & Mfg. Co., Springfield, Ill.
Treadwell, M. H. Co., 90 West New York; Works: Lebanon, Pa.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)

Drill Sharpening Machines

Shaw, C. H. Pneumatic Tool Co. ("Shaw," for Air Rock Drills, etc.), Denver, Colo

Drilling Machines

(See Drills of Various Kinds; also classifications of Drilling Machines immediately following)

Drilling Machines (Bit Brace)

McCrea, Jas. & Co. ("Century"), 67 W Wash'n, Chicago, Ill.

Drilling Machines (Cotter & Key-Seat)

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Drilling Machines (Horizontal)

(See Drills, Various Kinds)

Drilling Machines (Multiple)

(See Drills, Multiple Spindle)

Drilling Machines (Pipe Pressure)

Mueller, H. Mfg. Co. ("The Eley"), Decatur, Ill.

Drilling Machines (Rivet)

SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Drilling & Countersinking Machines

Baush Machine Tool Co., Springfield, Mass.
Detrick & Harvey Machine Co. (Radial), Baltimore, Md.
Fitchburg Machine Works, Fitchburg, Mass.
Reade Machine Co. (Radial), Cleveland, O.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Drilling & Milling Machines (Combined)

Knight, W. B. Machinery Co. ("Knight"), St. Louis, Mo.

Drilling & Tapping Machines

American Tool Works Co., Cincinnati, O.
Aurora Tool Works, Aurora, Ind.
Baker Bros., Toledo, O.
Cincinnati Bickford Tool Co. (Upright, Heavy Pattern), Cincinnati, O.
Fay Machine Tool Co. (Drilling, Threading & Tapping), 2d & Glenwood av, Phila., Pa.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Garvin Machine Co., 137 Varick, New York
Gould & Eberhardt, Newark, N. J.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Stow Mfg. Co. (Portable), Binghamton, N. Y.

Drilling & Tapping Machines (Combined)

Anderson Machine Works (For Water Backs for Stoves & Ranges, etc.), Peekskill, N. Y.
Baush Machine Tool Co., Springfield, Mass.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.

Drop Forging Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Drying Machinery

(See Dryers, Various Kinds)

Drying Machines (Chemical)

(See Dryers, Various Kinds)

Duck Slitting Machines

Thropp, William R., Trenton, N. J.

Duplicating Machines

(See Duplicators)

Dye Wood Chipping Machines

Hayes Machine Co. (Inc.), Kingston, N. Y.

Dyeing Machinery

(See Textile Machinery)

Eave Trough Hanger Machines

Birch & Birch (Automatic Wire), Crawfordsville, Ind.
Wilcox Mfg. Co., Aurora, Ill.

Eave Trough Wire Hanger Twisting Machines

CANTON FOUNDRY & MACHINE CO. ("Universal"), Canton, O. (See adv. index, end of book)

Eave Trough & Conductor Pipe Machinery

(See Conductor Pipe & Eave Trough Machinery)

Edging Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Edging or Lock-Folding Machines

American Can Co. ("Rudolph" & "Krummell" for Tin & Sheet Metal Work), 135 Adams, Chicago, Ill.
BLISS, E. W. CO. (For Tin & Sheet Metal Work), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Edging Saw Machines

(See also Woodworking Machinery)

American Wood Working Machinery Co., Rochester, N. Y., West st. bldg, New York
Bentel & Margedant Co., Hamilton, O.
Fay, J. A. & Egan Co., Front c John, Cincinnati, O.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Garvin Machine Co., 137 Varick, New York
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 50 Chicago, Buffalo, N. Y.
Lane Mfg. Co., Montpelier, Vt.
Mecklenburg Iron Works, Charlotte, N. C.
Sinker-Davis Co., Indianapolis, Ind.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.

Elbow Seam Closing Machines

NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)

Electric Clothes Washing Machines

Nineteen Hundred Washer Co., Binghamton, N. Y.
Opperman Electric Works ("Crown"), Manitowoc, Wis.

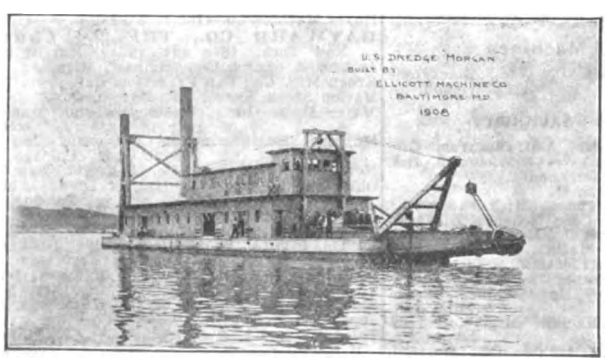
Electric Massage Machines

COATES CLIPPER MFG. CO. ("Coates"), Worcester, Mass. (See adv. index, end of book)
U. S. Standard Electrical Works, 48 W 27th, New York

Electric Mining Machinery

(See Mining Machinery, Various Kinds)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Goodman Mfg. Co., S Halsted & 48th pl, Chicago, Ill.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Morgan-Gardner Elec. Co., 27th & Shields av, Chicago, Ill.
Pneumelectric Machine Co., Syracuse, N. Y.
Sullivan Machinery Co., Railway Exchange, Chicago, Ill., & Claremont, N. H.



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ELLICOTT MACHINE CO.

BALTIMORE, MD.

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Electric Tiering Machines

Economy Engineering Co., 58 N Jefferson, Chicago, Ill.

Electric Tunneling Machines

Jackson, Geo. W. (Inc.) ("Jackson"), 109 W Jackson boul., Chicago, Ill., & 40 Wall, New York

Electric Welding Machines

Electric Railway Improvement Co., Cleveland, Ohio
Thomson Electric Welding Co., Lynn, Mass.
Toledo Electric Welding Co., Toledo, O.
Warren Electric Mfg. Co., Sandusky, O.

Electric Wire Making Machinery

Watson Machine Co., Paterson, N. J.

Electrical Porcelain Machinery

Crossley Machine Co. (Also Dies, etc.), Trenton, N. J.

Electrical Wire & Cable Covering Machinery

(See Wire & Cable Covering Machinery)

Electro-Dental Machinery

Consolidated Dental Mfg. Co., 10 E 23d, New York
Russell, Percy, 12 E 23d, New York
White, S. S. Dental Mfg. Co., 5 Union sq, New York

Electro Plating Machines

(See Dynamos, Electro Plating)

Electro & Linotype Sawing Machines

Kidder, R. E., Worcester, Mass.
Hoe, Rob't & Co., 504 Grand, New York
Wesel, F. Mfg. Co., 70 Cranberry, B'klyn, N.Y.

Electrotype Machinery

Herrick & Cowell, New Haven, Conn.
Hollingsworth, Wm., 227 N Holliday, Baltimore, Md.

Electrotype Trimming Machines

Boyle, Jno. & Sons (Inc.), Paterson, N. J.

Elevating & Conveying Machinery

(See also Conveyors, Various Kinds; also Cranes, Various Kinds; also Derricks, Various Kinds; also Elevators, Various Kinds; also Hoists, Various Kinds; also Tramways & Trolleys, Overhead; also Wire Rope Tramways)

See also Index of Contents for the specific article required.

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. Index, end of book)

FLORY, S. MFG. CO., Bangor, Pa. (See adv. Index, end of book)

G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. Index, end of book)

JEFFREY MFG. CO., Columbus, O. (See adv. Index & branch offices, end of book)

KAESTNER & CO. (Inc.), 241 S Jefferson, Chicago, Ill. (See adv. Index, end of book)

MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. Index, end of book)

MEAD-MORRISON MFG. CO., Cambridge, Mass., & 11 B'way, New York. (See adv. Index & branch offices, end of book)

NORTHERN ENGINEERING WORKS, Chene & Atwater, Detroit, Mich. (See adv. Index, end of book)

SPRAGUE CANNING MACHINERY Co., 42 River, Chicago, Ill. (See adv. Index, end of book)

WELLER MFG. CO. ("Hellcold"), 118 North av, Chicago, Ill. (See adv. Index, end of book)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. Index & branch offices, end of book)

Elliptic Spring Machinery

Pratt & Whitney Co., Hartford, Conn.

Embossing Machines

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. Index, end of book)
Cavagnaro, Jno. J., 255 Centre, New York
Currier, Cyrus & Sons (Presses & Rolls for Leather), Newark, N. J.
Detroit Embossing Machine Co., 1120 Grand River av, Detroit, Mich.
Dewes, A., Co., 243 Centre, New York
Diets Machine Works (Paper), 126 Fountain, Phila., Pa.
Firth, Wm. Co. (Leather, Lockett, Crossland & Co.'s), 79 Milk, Boston, Mass.
Grammes, L. F. & Sons (Lever, for Wood, Paper, Cloth, Silk, etc.), Allentown, Pa.
Randall & Co. (Leather, etc.), 802 W 6th, Cincinnati, O.
Royal Machine Co. (Tin, Sheet Metal, Leather, Paper, etc.), Newark, N. J.
Seybold Machine Co., Dayton, O.
Sheridan, T. W. & C. B. Co. (Bookbinders'), 50 Duane, New York
Stimpson, Edwin B. Co. (For Leather, Cardboards, etc.), 31 Spruce, New York
Traud, Alex. Co., Newark, N. J.
Union Embossing Machine Co. ("Climax" Wood), Anderson, Ind.
Waldron, John Co., New Brunswick, N. J.

Embossing & Drop Carving Machines

Union Embossing Machine Co. ("New Automatic" & "Climax"), Anderson, Ind.

Embroidering Machines

Ahlstrom, O. J., 711 B'way, New York
Durbrow & Hearne Mfg. Co. ("Bonnos" & "Swiss"), 12 Wooster, New York

Emery Grinding Machines

(See Grinders, Emery)

Enameled Cloth Machinery

Currier, Cyrus & Sons, Newark, N. J.

Engraving Machines

Diamond Machine Co., Providence, R. I.
Field, Chas. H., Providence, R. I.
Francis, A. E., 780 Cedar av, Cleveland, O.
Gorton, Geo. Machine Co. (For Engraving Name & Direction Plates), Racine, Wis.

Envelope Machines

Blackhall Mfg. Co., 215 E. Genesee, Buffalo, N. Y.
Brown Bag Filling Machine Co., Fitchburg, Mass.
Cooley & Trevor, Hartford, Conn.
Diets Machine Works (Open End, Side Seam, etc.), 126 Fountain, Phila., Pa.
Ermold, Edw., Hudson & 13th, New York.
Hobbs Mfg. Co., Worcester, Mass.
Hopkinson Machine Works, Springfield, Mass.
Kidder, R. E., Worcester, Mass.
Lester & Wasley, Norwich, Conn.
Rau, Emanuel, 136 Thompson, New York
Towers, Frank B., 52 Taylor, Springfield, Mass.
Royal Machine Co., Newark, N. J.
Schmidt, F. L., 136 Thompson, New York
Sherman, John, Worcester, Mass.

Envelope Sealing Machines

Acorn Brass Mfg. Co. ("Thexton" Hand & Power), 211 Fulton, Chicago, Ill.
Brayton Bros. ("Janes"), Minneapolis, Minn
Grant Mfg. & Machine Co., Bridgeport, Conn
Simplex Mfg. Co. ("Simplex"), 90 West, New York
Standard Addressing Machine Co., 310 B'way, New York

Excavating Machinery

See also Dredging Machinery; also Shovels, Steam; also Sewer & Trench Excavating Machines; also Ditching Machines)

Atlantic Gulf & Pacific Co., Park Row bldg, New York, & San Francisco, Cal
Austin, F. C. Drainage Excavator Co., R'y Exch bldg, Chicago, Ill.
Bacon, Earle C., Havemeyer bldg, New York
Bucyrus Co., South Milwaukee, Wis.
Carson Trench Machine Co., 16 Dorrance, Boston, Mass
Fairbanks Steam Shovel Co., Marion, O.
HAYWARD CO., THE, 50 Church, New York. (See adv. Index, end of book)
Heyworth, J. O. (Heyworth-Newman), Harvester bldg, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. Index & branch offices, end of book)
Jackson, Geo. W. (Inc.), 109 W Jackson boul., Chicago, Ill., & 40 Wall, New York
JEFFREY MFG. CO., Columbus, O. (See adv. Index & branch offices, end of book)
Kingsford Foundry & Machine Works, Oswego, N. Y.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. Index, end of book)
LAMBERT HOISTING ENGINE CO., Main Office & Works: 115-121 Poinier, Newark, N. J. (See adv. Index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York. (See adv. Index & branch offices, end of book)
Marion Steam Shovel Co., Marion, O.
Osgood Dredge Co., Albany, N. Y.
Portland Co., 58 Fore, Portland, Me.
Roots, P. H. & F. M. Co., Connersville, Ind.
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. Index, end of book)
Smith, Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Toledo Foundry & Machine Co., Toledo, O.
Urie-Snyder Iron Works Co., Kansas City, Mo.

Excelsior Machinery

Fifield Bros., Augusta, Me.
Fisher & Davis, 1024 N. Main, St. Louis, Mo.
Flexo Mfg. Co., Kansas City, Mo.
Howell, R. R. & Co., Minneapolis, Minn.
Humphrey Machine Co., Keene, N. H.
Indianapolis Excelsior Machinery Co., Indianapolis, Ind.
Kline, Lewis T., Alpena, Mich.

Eye Bending or Eye Bolt Machines

Globe Machine & Stamping Co., 3808 Hamilton av, Cleveland, O.
Williams, White & Co., Moline, Ill.

Eyelet Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. Index, end of book)
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. Index, end of book)
Manville Bros., Co., Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Sheridan, T. W. & C. B. Co. (Bookbinders, etc.), 50 Duane, New York
Shipman, Geo., West Bridgewater, Mass.
Standard Machinery Co., Providence, R. I.
Stimpson, Edwin B. Co. (Gang), 31 Spruce, New York
United Shoe Machinery Co., Boston, Mass.
Waterbury Machine Co., Waterbury, Conn.

Face Grinding Machines

(See Grinders)

Facing Machines (Three-Way)

Beaman & Smith Co., Providence, R. I.

Faucet or Bibb Re-Seating Machines

Long, Adam A., 13 Graves, Rochester, N. Y.

Felloe Machinery

(See Carriage Builders' Machinery)

Fence Machines (Wire)

Carter Wire Fence & Machine Co., Mt. Sterling, O.
Cyclone Fence Co. ("Cyclone"), Waukegan, Ill.
Cyclone Woven Wire Fence Co. (Chain), Cleveland, O.
Deuscher, H. P. Co. ("Hamilton"), Hamilton, Ohio
Elliott & Reid Co. (Wire & Picket), Richmond, Ind.
Eureka Fence Mfg. Co. ("Eureka," "Little Giant," "New Robinson," Wire & Picket), Richmond, Ind.
Gem Wire Fence Co., Pontiac, Mich.
International Steel Post Co., St. Louis, Mo.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Kitselman Bros. (Woven Wire), Muncie, Ind.
Kokomo Fence Machine Co. (Automatic Woven Wire), Kokomo, Ind.
Leader Fence Machine Mfg. Co. ("Leader"), St. Charles, Ill.
Lyle & Reynolds, Crawfordsville, Ind.
Missouri Anchor Fence Co., St. Joseph, Mo.
Standard Wire Fence Co. ("Standard"), Canandaigua, N. Y.

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Fertilizer Machinery

(See also Pulverizing Machinery)

Blanchard Machine Co., Cambridge, Mass.
Campbell, P. F., 55 Laurel, Phila., Pa.
Codd, E. J. Co., 700 S Caroline, Baltimore, Md.
Dempwolf, C. H. & Co. (Steel Mixers, etc.), York, Pa.
Fulton Foundry & Machine Works, Atlanta, Ga.
Marquette, John N., Baltimore, Md.
Pratt Engineering & Machine Co., Atlanta, Ga.
Sackett, August J., 5th av, & First, Baltimore, Md.
SCHULE, F. H. CO. (Automatic Scales), 114-118 Liberty, New York. (See adv. index, end of book)
Stedman's Foundry & Machine Works, Aurora, Ind.
Valk & Murdock Iron Works, Charleston, S. C.

Fibre Cleaning Machines

Prieto Machine Co. (Inc.) ("Estrella," "Irene," "Ideal"), 45 B'way, New York
Spangler Mfg. Co. ("Smith" Automatic), York, Pa.

Fibre Machinery

Shuart-Fuller Mfg. Co. ("Leonard"), Elyria, O.
Wood Fiber Machinery Co., Sandusky, O.

Fibre Machinery (Hard Fibre)

Downingtown Mfg. Co., East Downingtown, Pa.
National Machine Co., Wilmington, Del.
Pusey & Jones Co., Wilmington, Del.

Field Coil Winding Machines

Ridlon, Frank Co., 251a, Boston, Mass.

File Machinery

Hess Machine Works (Also Rasp Machinery) (Jno. A. Hess), 2512 Callowhill, Phila., Pa.

File Room Machinery

(See also Saw Filing & Setting Machines; also Band Saw Setting Machines)

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Hanchett Swage Wks., Big Rapids, Mich.
Rotary File & Machine Co., 589 Kent av, Brooklyn, N. Y.

File Sharpening Machines

(See also Sharpeners, File)

Columbus Pneumatic Tool Co. ("Dunlop"), Columbus, O.

File Testing and Indicating Machines

OLSEN, TINIUS & CO. ("Herbert," Automatic), 500 W 12th, Phila., Pa.

Filing Machines

Chicago Filing Machine Co. ("Chicago" Bench), 5th W Madison, Chicago, Ill.
Cochrane-Blye Co. (For Sawing Out & Filing Blanking Dies), Rochester, N. Y.
Grant Mfg. & Machine Co., Bridgeport, Conn.
Kinsey-Burt Co. ("Kinsey-Burt"), 138 Liberty, New York
Robinson Tool Works ("Hartford" Bench), Waterbury, Conn.
Simplex Mfg. Co. ("Simplex Combination"), 90 West, New York

Filter Cloth & Bag Washing Machines

American Laundry Machinery Mfg. Co., Norwood, Cincinnati, O.

Fire-Proofing Machinery

American Clay Machinery Co., Bucyrus, O.
Bonnot Company, Canton, O.
Fate, J. D. Co., Plymouth, O.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio

Fish Line Machinery

Brownell, G. L., Worcester, Mass.

Fishing Net Machinery

Fowler Net & Twine Co., 107 S 2d, Phila., Pa.

Flanging Machines

(See also Presses, Hydraulic Flanging)

Alliance Machine Co., Alliance, O.
Ams, Max Machine Co. (Automatic for Can Makers), Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Keene, Geo. C. & Co., Cincinnati, O.
Loeffler, Chas. & Co. (Can Body, etc.), 68 Clymer, Brooklyn, N. Y.
Manning, Maxwell & Moore, 85 Liberty, New York
MORGAN ENGINEERING CO. (Universal, Hydraulic, for Boiler Heads, etc.), Alliance, O. (See adv. index & branch offices, end of book)
NIAGARA MACHINE & TOOL W'KS. (Sheet Metal), Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co. (Boiler Head, etc.), 111 B'way, New York
Ryerson, J. T. & Son, Chicago, Ill.
Watson-Stillman Co., 26 Cortlandt, New York
Wickes Bros., Saginaw, Mich.

Flint Machines

Koegel, Chas. & Sons, Holyoke, Mass.

Floor Polishing Machines

Floor Sanding & Polishing Machine Co. (Electric), 628 Race, Phila., Pa.
Schlueter, M. L. (Tile & Composition), 32 S Canal, Chicago, Ill.

Floor Scraping Machines

(See also Scrapers, Floor)

Ackerman, J. B. Co. ("Ackerman's" Rapid), Grand Rapids, Mich.
Fox Mfg. Co. ("Fox"), Milwaukee, Wis.
Hurley Machine Co. ("Little Giant"), 153 S Jefferson, Chicago, Ill.

Floor Scrubbing Machines

Floor Sanding & Polishing Machine Co. (Electric, Wire Brush), 628 Race, Phila., Pa.
Inter-State Equipment & Engineering Co. ("Little Shaver"), Old Colony bldg, Chicago, Ill.
Kuster, J. A. ("Common Sense"), Plymouth, Wis.
Miotke, Joseph ("Acme"), 247 Lake, Milwaukee, Wis.

Floor Surfacing Machines

American Floor Surfacing Machine Co., Toledo, O.
Dosch Mfg. Co. ("Champion"), Bridgeport, Conn.
Electric Floor Surfacing Co., 147 W 24th, New York
Floor Sanding & Polishing Machine Co. (Sanding & Polishing; also Contractors for Floor Surfacing), 628 Race, Phila., Pa.
MARSH COMPANY ("Henderson," Electric), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Perfect Floor Surfacing Co., 1915 State av, Cincinnati, O.
Real Estate Improvement Co., Providence, R. I.
Richards, F. P. Mfg. Co. ("Richards" Hardwood), Springfield, Ill.
St. Louis Machine Floor Surfacing Co. (Electrical), 2636 Olive, St. Louis, Mo.
Schlueter, M. L. ("Schlueter" Rapid), 34 S Canal, Chicago, Ill.
Surfacing Machine Co., Providence, R. I.

Flour Blending Machinery

Day, J. H. Co., Cincinnati, O.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)
Wolf Co. (For Bakeries), Chambersburg, Pa.
Wolf, Fred., 625 W boul, Kansas City, Mo.

Flour Mill Machinery

(See also Grain Elevator Machinery, Etc.)

Acme Mill Works, Greensboro, N. C.
Albany Iron Works, Albany, Ore.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Barnard Machinery Co., Enterprise, Kan.
Barnard & Leas Mfg. Co., Moline, Ill.
Barnard Mfg. Co., Spokane, Wash.
Barry-Wehmiller Machinery Co., St. Louis, Mo.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Beall Improvements Co., Decatur, Ill.
Bullock, C. K., 1857 Ridge av, Phila., Pa.
Burrell Mfg. Co., 251 S Jefferson, Chicago, Ill.
Campbell, P. F., 55 Laurel, Phila., Pa.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.
Essmueller Mill Furnishing Co., St. Louis, Mo.
Foos Mfg. Co. (Gas & Gasoline Engines, etc.), Springfield, O.
Fraser Co., Milwaukee, Wis.
Great Western Mfg. Co., Leavenworth, Kan.
Gump, B. F. Co. (Rebuilt Machinery), 250 S Clinton, Chicago, Ill.
Hammond-Homberger Co., Silver Creek, N. Y.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co., Silver Creek, N. Y.
Hutchinson, Jno. Mfg. Co., Jackson, Mich.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Moore & Lorenz Co., 115 S Clinton, Chicago, Ill.
Munson Bros. Co., Utica, N. Y.
Nashville Machine Co., Nashville, Tenn.
Nordyke & Marmon Co. (All Kinds), Indianapolis, Ind.
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
Portland Iron Works (Inc.), Portland, Oregon
Prinz & Rau Mfg. Co., Milwaukee, Wis.
Reuter-Jones Mfg. Co., St. Louis, Mo.
Richmond Mfg. Co., Lockport, N. Y.
Salem Foundry & Machine Works, Salem, Va.
Savage, W. J. Co., Knoxville, Tenn.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Silver Bros. Iron Wrks. Co., Salt Lake, Utah
Southern Engine & Boiler Wks., Jackson, Tenn.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Starr, B. F. Co., 455 North, Baltimore, Md.
Stauffer, Geo. E., E. Stroudsburg, Pa.
Straub Machinery Co., Cincinnati, O.
Ty-sa-man Machine Co., Knoxville, Tenn.
Union Iron Works, Decatur, Ill.
Van Camp, Anson, Decatur, Ill.
Willamette Iron & Steel Works, Portland, Ore.
Williford Mfg. Co., 303 S 3d, Minneapolis, Minn.
Wolf Co. (Complete Plants), Chambersburg, Pa.
Ypsilanti Machine Wks., Ypsilanti, Mich.

Flower Pot Machinery

American Clay Machinery Co., Bucyrus, O.
Crossley Machine Co., Trenton, N. J.
Rockwood Mfg. Co., Indianapolis, Ind.
Rockwood Pottery Co., Cincinnati, O.
Taplan-Rice-Clerkin Co., Akron, O.

Flue Cleaning Machinery

Ryerson, Jos. T. & Son, 16th & Rockwell, Chicago, Ill.

Flue Welding Machines

(See also Furnaces, Flue Welding)

Harts, H. V. Co. (Inc.), Cleveland, O.
Hauck Mfg. Co., 140 Cedar, New York
MacLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
Maddocks & Herschell (Automatic Hand & Power), Princeton, Ind.
Ryerson, Jos. T. & Son ("Ferguson"), 16th & Rockwell, Chicago, Ill.
Scully Steel & Iron Co., Chicago, Ill.

Fluting & Plaiting Machines

North Bros. Mfg. Co. ("Crown" & "Knox," "American" & "Eagle" Fluting Machines), Lehigh av & American, Phila., Pa.

Fly Inserting Machines

Hobbs Mfg. Co. (For Paper Box Makers), Worcester, Mass.

Foot Power Sawing Machines

Automatic Specialty Co. (For Light Sheet Metals & Paper), 6th & Baymiller, Cincinnati, O.
Millers Falls Co. ("Cricket"), 28 Warren, New York; Works: Millers Falls, Mass.

Forging Machines

(See also Hammers, Power; also Presses, Power; also Presses, Hydraulic Forging; also Bulldozer or Bending Machines)

Acme Machinery Co., Cleveland, O.
AJAX MFG. CO., 3830 Lakeside, N E., Cleveland, O. (See adv. index, end of book)
Beaudry & Co. (Inc.) (Forging Presses), 141 Milk, Boston, Mass.
Bethlehem Steel Co., S Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.

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BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chambersburg Engineering Co. (Forging Presses, Hydraulic), Chambersburg, Pa.
Consolidated Press & Tool Co., Hastings, Mich.
MERRILL BROS. (Hammers), William st, Maspeth (Borough of Queens), New York. (See adv. index, end of book)
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Sutton, C. E. Co. (Horizontal Forging Presses, etc.), Toledo, O.
Toledo Machine & Tool Co., Toledo, O.
Williams, White & Co., Moline, Ill.

Forging Machines (Hydraulic)

Bethlehem Steel Co., S Bethlehem, Pa.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Forging Machines (Sheet Work)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Forging & Bending Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Forming & Bending Machines

(See also Wire Forming Machines; also Wood Forming Machines)
Adriance Machine Works, Brooklyn, N. Y.
AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
American Can Co. (For Tin & Sheet Metal), 135 Adams, Chicago, Ill.
Badger State Machine Co., Janesville, Wis.
Baird Machine Co., Oakville, Conn.
Baker, Jas. H. Mfg. Co., Park bldg., Pittsburg, Pa.; Works, Tarentum, Pa.
Bertsch & Co., Cambridge City, Ind.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Consolidated Press & Tool Co., Hastings, Mich.
Coulter & McKenzie Machine Co. (For Wire & Sheet Metals), Bridgeport, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Hilles & Jones Co., Wilmington, Del.
Lang, E. M. Co., Portland, Me.
Leffer, Chas. & Co. (Can Forming, Bending, etc.), 63 Clymer, Brooklyn, N. Y.
Long & Allstatter Co. (Horizontal), Hamilton, Ohio
National Machinery Co., Tiffin, O.
NIAGARA MACHINE & TOOL Works (Sheet Metal), Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Ohl, Geo. A. & Co. (Sheet Metal), Newark, N.J.
Peck, Stow & Wilcox Co. (Sheet Metal), Southington, Conn.
Pittsburg Mfg. Co., Pittsburg, Pa.
Pocock, Oliver (Sheet Metal), 1042 Harriett, Cincinnati, O.
Robinson, J. M. Mfg. Co. (Sheet Metal), Cincinnati, O.
Royal Mfg. Co. (For Light Shapes), Lancaster, Pa.
Swaine, Fred. J. Co. (Can Body), St. Louis, Mo.
Tivel's John Sons (Inc.), Newburgh, N. Y.
Wallace Supply Co., 169 Jackson boul., Chicago, Ill.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Waterbury Machine Co., Waterbury, Conn.
Whiting, Geo. C. (Forming), 156 W. North av, Chicago, Ill.
Williams, White & Co., Moline, Ill.
Wood, Wm. H., Media, Pa.

Forming Machines (Hydraulic)

WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Foundry Machinery

(See also the Specific Article Required)
Allen, Chas. G. Co., Barre, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Foundry Molding Machines

(See Molding Machines, Foundry)

Fourdrinier & Cylinder Paper Machines

Bellows Falls Machine Co., Bellows Falls, Vt.
Beloit Iron Works, Beloit, Wis.
Emerson Mfg. Co., Lawrence, Mass.
Moore & White Co., 15th & Lehigh av, Phila., Pa.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. J.

Fraying Machines (Carpet)

Reed Mfg. Co. (Hand & Power), Springfield, O.

Freight Handling Machines

(See Conveyors, Freight)

Fruit Can Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Fruit Cleaning & Breaking Machinery

American Fruit Machinery Co., Drexel bldg, Phila., Pa.

Fruit Grading & Packing Machines

Anderson-Barngrover Mfg. Co., San Jose, Cal.

Fruit Package Stapling Machines

(See Wire Stapling Machinery)

Fruit Paring Machines

(See Parers, Fruit & Vegetable)

Fuel Briquetting Machinery

(See Briquetting Machines)

Fuel Gas Machines

AMERICAN GAS FURNACE CO. (Naphtha Gas), 24 John, New York, & Elizabeth, N. J. (See adv. index, end of book)

Fur Dressing Machinery

(See Fur Manufacturers' Machinery)

Fur Manufacturers' Machinery

Almond, David (Blowers, Mixers, Cutters, etc.), Newark, N. J.
Glove City Cutting Die & Machine Co. (For Combing, Washing & Clipping Fur Skins), Gloversville, N. Y.
Piel, Bernard F. (Tramping & Tubbing Machines, etc.), 56 Humboldt, Brooklyn, N. Y.

Furnace Charging Machines

(See also Furnaces, Various Kinds)
MORGAN ENGINEERING CO. (For Both Horizontal & Vertical Furnaces), Alliance, O. (See adv. index, end of book)

Furnace Pipe Seaming Machines

NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)

Furniture Nail Machines

Blake & Johnson Co., Waterbury, Conn.

Gaining Machines

Bentel & Margedant Co. (Automatic Traversing, Triple Axle Car & Gang), Hamilton, Ohio

Galvanizing Machinery

Erie Foundry Co., Erie, Pa.
Kenworthy Engineering Co., Waterbury, Conn.
Keystone Nail Co. ("Porter" for Small Articles), 1618 Wash'n av., Phila., Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Gang Drilling Machines

(See Wood Gang Drilling Machines; for Metal Drills, see Drills, Gang)

Garbage Disposal Machines

(See Garbage Disposal Plants)

Gas Machines

Clingman Gas Machine Co., Dayton, O.
Coleman Gas Works Mfg. Co., 705 B'way, Cincinnati, O.
Detroit Heating & Lighting Co., Wight nr Leib, Detroit, Mich.
East, Iron & Machine Co., Lima, O.
Epworth Gas Light & Heating Co., Waterloo, Iowa
Gas Machinery Co. (Water), Citizens' bldg, Cleveland, O.
Gilbert & Barker Mfg. Co. ("Springfield"), Springfield, Mass.
Globe Light & Heat Co., 218 La Salle, Chicago, Ill.
Hinman Gas Machine Co., 7 Sherman, Boston, Mass.
Imperial Gas Machine Co., 32 Park pl., New York

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New York Office Hudson Terminal Building, 50 Church Street Chicago Office, 621 Marquette Building
De Fries & Co., Dusseldorf, Germany, European Builders and Distributors

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Incandescent Light & Stove Co., 420 E Pearl, Cincinnati, O.
Kemp, C. M. Mfg. Co. ("Climax"), 401 E Baltimore, Md.
Matthews Gas Machine Co., 40 Dearborn, Chicago, Ill.
National Light & Heating Co., Freeport, O.
Novelty Iron Works, Sterling, Ill.
Penna. Globe Gaslight Co., Broad & Arch, Phila., Pa.
SPRAGUE CANNING MACHINERY Co. (Underground), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Tirrill's Gas Machine Lighting Co., 16 Commercial, Newark, N. J.
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Gas Machines (Acetylene)

Acetylene Apparatus Mfg. Co. ("Pilot," Model D), 157 Michigan av, Chicago, Ill.
Bay State Acetylene Generator Co., Taunton, Mass.
Beaver Mfg. Co. ("McKenzie"), Beaver, Pa.
Brauer Acetylene Lighting Co. ("Brauer"), Marshalltown, Ia.
Charbeneau, John C., Mount Clemens, Mich.
Coleman Gas Works Mfg. Co., 705 B'way, Cincinnati, O.
Colt, J. B. Co. (Model N), 21 Barclay, New York
Commercial Acetylene Co. (Safety Storage System), 80 B'way, New York
Davis Acetylene Fixture & Supply Co. (Carbide Feed), Elkhart, Ind.
Eagle Generator Co. ("Eagle," Automatic), 1530 Pine, St. Louis, Mo.
Gem City Acetylene Generator Co., Dayton, O.
General Acetylene Co. ("General"), 80 B'way, New York
Hercules Mfg. Co., Chattanooga, Tenn.
Hill, Almon F. ("Illll" Storage & "Whitelight"), Portland, Me.
Hunter's Acetylene Gas Co. ("Hunter" Plunger), 59 Clark, Chicago, Ill.
Ideal Epworth Acetylene Co., Johnstown, Pa.
Lewis Gas Machine Mfg. Co., Fort Worth, Tex.
Lynch, G. R. Mfg. Co. ("Aurora"), Chattanooga, Tenn.
Millburn, Alexander Co. (Generators for House Lighting, etc.), 507 W Lombard, Baltimore, Md.
Miller Lighting Co. (Inc.) ("Daisy, Jr.," Generator), Detroit, Mich.
Monarch Acetylene Co., Buffalo, N. Y.
Monarch Acetylene Gas Co., Omaha, Neb.
National Welding & Mfg. Co., Buffalo, N. Y.
Rushmore Dynamo Works, Plainfield, N. J.
St. Clair Mfg. Co. ("Daytonia"), Dayton, O.
Sober, C. K., Lewisburg, Pa.
Sunlight Gas Machine Co. ("Omega," "Americano"), 49 Warren, New York
U. S. Standard Co. (Inc.) ("Commander"), Voorheesville, N. Y.
WILSON, F. CORTEZ & CO., 2339 Lake, Chicago, Ill. (See adv. index, end of book)

Gas Machines (Gasoline)

Clingman Gas Machine Co., Dayton, O.
Economy Gas Machine Co. ("Economy"), Rochester, N. Y.
Hawkeye Mfg. Co., Waterloo, Iowa
Incandescent Light & Stove Co., 420 E Pearl, Cincinnati, O.
Kemp, C. M. Mfg. Co. ("Climax"), 401 E Oliver, Baltimore, Md.
Matthews Gas Machine Co., 40 Dearborn, Chicago, Ill.
Michigan Brick & Tile Machine Co. (Gas Generators), Morenci, Mich.
Swen Gas Machine Co., Waterloo, Ia.

Gas Machines (Naphtha Gas)

Gilbert & Barker Mfg. Co., Springfield, Mass.

Gas Power & Lighting Machinery

GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)

Gas Pumping Machinery

(See also Pumps, Various Kinds)

Bovaird & Seyfang Mfg. Co., Bradford, Pa.
GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Otto Gas Engine Works, 300 Dearborn, Chicago, Ill.

Gas Retort House Machinery

Bronder, G. A., 220 B'way, New York

Gas Works Machinery

(See also Gas Works Apparatus & Construction)

Gas Machinery Co. (Purifiers, Exhausters, Scrubbers, Valves, Washers, By-Product Machinery, etc.), Cleveland, O.
Isbell-Porter Co. (Charging & Discharging Machinery, Exhausters, Condensers, Scrubbers, Benches, Extractors, etc.), Newark, N. J.
Murray-Kerr Mfg. Co., Fort Wayne, Ind.
Riter-Conley Mfg. Co., Pittsburg, Pa.
Western Gas Construction Co., Ft. Wayne, Ind
Wood, R. D. & Co., 400 Chestnut, Phila., Pa

Gate Hook Machines (Automatic)

Wilson, A. H. Machine Co., Bridgeport, Conn.

Gear Cleaning Machines

Crowther, P. & Co. (Automatic), 170 Oliver, Boston, Mass.

Gear Cutting Machines

Adams Co., Dubuque, Ia.
American Watch Tool Co., Waltham, Mass.
Becker Milling Machine Co. (Automatic), Hyde Park, Mass.
Blount & Lovell, 100 High, Boston, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati-Bickford Tool Co. (Multiple Spindles), Cincinnati, O.
Cincinnati Gear Cutting Machine Co. (Automatic), Cincinnati, O.
Eagle Tool & Machine Co. (Special Tools & Machinery), North Side, Pittsburg, Pa.
Fellows Gear Shaper Co., Springfield, Vt.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Jarvin Machine Co., 137 Varick, New York
Gleason Works, Rochester, N. Y.
Gould & Eberhardt (Automatic Steel Gear & Pinion Cutting Machines, etc.), Newark, N. J.
Herrick, Chas. R., Northampton, Mass.
Kentucky Gear & Machine Co. ("The Binder") Louisville, Ky.
Manning, Maxwell & Moore, 85 Liberty, New York
Newark Gear Cutting Machine Co., Newark, N. J.
Newton Machine Tool Works (Inc.), 2347 Vine, Philadelphia, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co. (Involute & Epicycloidal) Fitchburg, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co. (Involute & Epicycloidal), Fitchburg, Mass.
Sloan & Chace Mfg. Co. (Ltd.) (Automatic), Newark, N. J.
WALTHAM MACHINE WORKS (Small, Automatic), Waltham, Mass. (See adv. index, end of book)
Whiton, D. E. Machine Co., New London, Conn.
Wolf Co. (Inc.), Chambersburg, Pa.
YOUNG MACHINE & TOOL CO., 211 Center, New York & Worcester, Mass. (See adv. index, end of book)

Gear Hobbing Machines

Adams Co. ("Farwell" Automatic), Dubuque, Ia.
Reynolds Machinery Co. (Automatic), Rock Island, Ill.

Gear Testing Machines

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Gelatine Coating Machines

Colton, Arthur, 184 Macomb, Detroit, Mich.

Gin Saw Filing Machines & Gummers

Carver Cotton Gin Co., East Bridgewater, Mass.

Glass Beveling Machinery

(See also Glass Polishing Machines)

COATES CLIPPER MFG. CO. ("Coates" Glass Grinding Head), Worcester, Mass. (See adv. index, end of book)
Lange, Henry G., 22 N May, Chicago, Ill.

Glass House Machinery

Acton, John (Glass Roughing, Smoothing, etc.), 118 John, Brooklyn, N. Y.
Centre Foundry & Machine Co., Wheeling, W. Va.
Dixon, H. L. Co., Roslyn, Pa.
Evans Mold & Machine Co., Uniontown, Pa.
Knott & Harker Co., Beaver Falls, Pa.
Muncie Foundry & Machine Co., Muncie, Ind.
Sommerfeld Machine & Mfg. Co., 220 2d av, Pittsburg, Pa.
Wheeling Mold & Foundry Co., Wheeling, W. Va.

Glass Polishing Machines

Acton, John, 118 John, Brooklyn, N. Y.
COATES CLIPPER MFG. CO. ("Coates" Glass Grinding Head), Worcester, Mass. (See adv. index, end of book)
Stow Flexible Shaft Co., N 20th & Buttonwood, Phila., Pa.

Glossing Machines

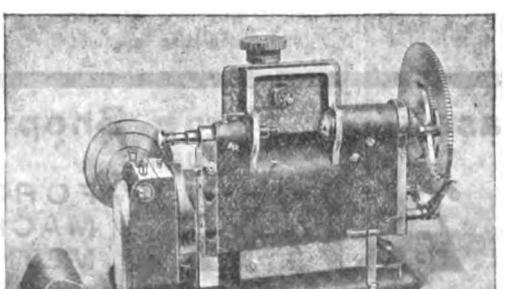
Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.

Glove Machinery, Etc.

Anthony, H. J. (Glove Cutting Dies & Presses, etc.), Gloversville, N. Y.
Curtin-Hebert Mfg. Co. (Special Machine & Glove Sewing Machines, etc.), Gloversville, N. Y.
Glove City Cutting Die & Machine Co., Gloversville, N. Y.
Haag, Jacob (Glove Cutting Dies, etc.), Gloversville, N. Y.

Glue Factory Machinery

Joslin, Schmidt & Co., Cincinnati, O.



3-inch Automatic Brass Gear Cutter.

AUTOMATIC GEAR CUTTING MACHINES

Made in two sizes, and very desirable for brass work 3 inches diameter or less. Index, cams and other working parts completely protected. Will take a roughing and finishing cut if desired.

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WALTHAM MACHINE WORKS, Waltham, Mass.

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Glue Jointing Machines

Linderman Mfg. Co., Muskegon, Mich.

Glue Spreading Machines

Boyle, John Machine Co., Peabody, Mass.
Fischer, E. Machine Works (For Box Factories), 710 Carroll av, Chicago, Ill.
Francis, Chas. E. & Bro., 425 E 8th, Cincinnati, O.
Grand Rapids Veneer Works, Grand Rapids, Mich.
HAMMACHER, SCHLEMMER & CO. (Hand & Power), 133 4th av, New York (See adv. Index, end of book)
Towsley, Jno. T. Mfg. Co., Evans nr Gest, Cincinnati, O.

Glycerine Machinery

Curtin-Hebert Mfg. Co., Gloversville, N. Y.

Gold Dredging Machinery

(See Dredges, Gold & Placer Mining)

Gold Dusting Machines

Hinze, H., Tribune Bldg, New York

Graduating Machines

Altender, Theo. & Sons, 945 Ridge av, Phila., Pa
Hope, Jno. & Sons, Eng. & Mfg. Co., Providence, R. I
LeBlond, R. K. Machine Tool Co., Cincinnati, Ohio

Grain Cleaning & Grading Machinery

(See also Flour Mill Machinery)

Barnard & Leas Mfg. Co., Moline, Ill.
Best Mfg. Co., San Leandro, Cal.
Campbell, P. F., 55 Laurel, Phila., Pa.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Elevators), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Messinger, S. S. & Son, Tatamy, Pa.
Nordyke & Marmon Co., Indianapolis, Ind.
Owens, J. L. Co., Minneapolis, Minn.
Portland Iron Works ("The Eureka"), Portland, Ore.
Prinz & Rau Mfg. Co. (Iron Prince Scourer), Milwaukee, Wis.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. Index, end of book)
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. Index, end of book)
Stevens Mfg. Co., Joliet, Ill.

Grain Elevator Machinery & Appliances

Barnard Mfg. Co., Spokane, Wash.
Barry-Wehmiller Machine Co., St. Louis, Mo.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill
Des Moines Mfg. & Supply Co., Des Moines, Ia
Diamond Iron Works, Minneapolis, Minn.
Dodge Mfg. Co., Mishawaka, Ind.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan
Gill, P. H. & Sons, Lorraine & Otsego, Brooklyn, N. Y.
Globe Machinery & Supply Co., Des Moines, Ia.
Great Western Mfg. Co., Leavenworth, Kan.
Holbrook, C. D. & Co., Minneapolis, Minn.
Howes, S. Co., Silver Creek, N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. Index & branch offices, end of book)
Link Belt Co., W. 39th cor Stewart av, Chicago, Ill., & 299 B'way, New York
Marseilles Mfg. Co., Marseilles, Ill.
Mey Chain Belting Engineering Works, 14 Perry, Buffalo, N. Y.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. Index & branch offices, end of book)
Moore & Loreux Co., 816-822 Fulton, Chicago, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. Index, end of book)
Skillin & Richards Mfg. Co., 147 Fulton, Chicago, Ill
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. Index, end of book)
Stephens-Adamson Mfg. Co., Aurora, Ill.
WERSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. Index & branch offices, end of book)
WELLER MFG. CO., 124 N. North av, Chicago, Ill. (See adv. Index, end of book)
York Foundry & Engine Works, York, Neb.

Granite Column Cutting Machines

(See also Stone Cutting Machines, Etc.)

St. Cloud Iron Works, St. Cloud, Minn.

Granite & Marble Polishing Machinery

(See also Stone Polishing Machinery)

HARRISON SUPPLY CO., 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. Index, end of book)

Granulating Machines

Colton, Arthur, 184 Macomb, Detroit, Mich.
Mulford, H. K. Co., 412 S 13th, Phila., Pa.
Simpson, Jas. S., 28 Rodney, Brooklyn, N. Y.

Grape Stemmer & Crushing Machines

Klotz Machine Co., Sandusky, O.

Gravity Incline Machines

Vellman-Seaver-Morgan Co., Cleveland, O.

Green Pea Cleaning & Grading Machines

Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
PRAGUE CANNING MACHINERY Co. ("Clipper," "Eureka" & "Monitor"), 5 Wabash av, Chicago, Ill. (See adv. Index, end of book)

Grinding Machinery

See Grinders; also Mills, Grinding; also Paint Grinding & Mixing Machinery; also Pulverizing Machinery)

Grinding & Polishing Machines

(See also Lathes, Buffing & Polishing; also Grinders, Various Kinds; also Polishing Machines)

Blount, J. G. Co. (Grinding, Polishing & Buffing Machines Combined), Everett, Mass
Diamond Machine Co. (Swing Frame), Providence, R. I.
Roth Bros. & Co. (Electric), Loomis & Adams, Chicago, Ill.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. Index, end of book)

Grommet Setting Machines

Stimpson, Edwin B. Co., 31 Spruce, New York

Grooving Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic) Orange, Mass.

Grubbing Machines

Seaward, R. S., Cresco, Ia.
Ashland & Co., Burlington, Ia.
Morrison, S. M. Mfg. Co., Denver, Col.
Smith, W. Grubber Co., La Crosse, Wis.

Gun Barrel Drilling Machinery

Diamond Machine Co., Providence, R. I.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Reed, F. E. Co., Worcester, Mass.

Gun Barrel Reaming Machines

Diamond Machine Co., Providence, R. I.
Reed, F. E. Co., Worcester, Mass.

Gun Barrel Turning Machines

Reed, F. E. Co., Worcester, Mass.

Gun Loading Machinery

Ideal Mfg. Co., New Haven, Conn.

Gun Powder Machinery

Allentown Foundry & Machine Works, Allentown, Pa.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Scott, Olin, Bennington, Vt.
WERNER & PFLEIDERER (Smokeless), Saginaw, Mich. (See adv. Index, end of book)

Gutta Percha Machinery

Watson Machine Co., Paterson, N. J.

Gutter Forming Machinery

(See also Conductor Pipe & Eave Trough Machinery)

Double Truss Cornice Brake Co., Buffalo, N. Y.
Eclipse Machine Co. ("Eclipse" Gutter Beading & Forming Machines), Troy, N. Y.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. Index, end of book)

Gypsum Machinery

(See also Plaster Machinery)

BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. Index, end of book)
Butterworth & Lowe (Inc.) (Gypsum Crushers), Grand Rapids, Mich.
Cummer, F. D. & Son Co., Cleveland, O.
Des Moines Mfg. & Supply Co., Des Moines, Iowa
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.

Hack Saw Machines

(See also Saw Blades & Frames, Hack)

Armstrong-Blum Mfg. Co. ("Marvel"), 113 N Francisco av, Chicago, Ill.
Atkins, E. C. & Co., Indianapolis, Ind.
Athol Machine Co., Athol, Mass.
Buffalo Specialty Co. ("Two in One," "Tandem," "Duplex," Hand & Power), 375 Ellicott, Buffalo, N. Y.
Dayton Machine Works ("Victor"), Dayton, O.
Diamond Saw & Stamping Works ("Sterling;" also High Speed), 357 7th, Buffalo, N. Y.
Disston, Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. (The "G"), Greenfield, Mass.
Hoefer Mfg. Co., ("Hoefer," for Metal), Freeport, Ill.
Massachusetts Saw Works (Portable), Chicopee, Mass.
Millers Falls Co. ("Star," Power), 28 Warren, New York; Works: Millers Falls, Mass.
Montgomery & Co., 105 Fulton, New York
Napier Saw Machine Works, Springfield, Mass.
Olmstead, L. H. ("Olmsted's," for Metal), Hasbrouck Heights, N. J.
Patterson Tool & Supply Co. ("Challenge"), Dayton, O.
Quincy - Manchester - Sargent Co. ("Q. & C." Power Shop), Plainfield, N. J.
Racine Gas Engine Co. ("Racine" Power), Racine, Wis.
Robertson Mfg. Co. (Electrically Driven), Buffalo, N. Y.
Simonds File Co., Fitchburg, Mass.
Simplex Mfg. Co. ("Simplex" Combination Bench Filer & Hack Saw), 90 West, N. Y.
Story, H. T. (Draw Cut), 30 W. Randolph, Chicago, Ill.
STRONG, CARLISLE & HAMMOND Co. (The "Victor" Power), Cleveland, Ohio. (See adv. Index, end of book)
Thompson, Henry G. & Son Co. ("Eureka," "Milford"), New Haven, Conn.
West Haven Mfg. Co. ("Globe," "Universal"), New Haven, Conn.

Hair Washing Machines

Baker, G. W. & Co., Wilmington, Del.

Hand Bending Machines

Estep & Dolan, Sandwich, Ill.
Freeman, A. W., 67 N. J. R. R. av, Newark, N. J.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
NIAGARA MACHINE & TOOL W'KS, (Sheet Metal), Buffalo, N. Y. (See adv. Index, end of book)

Hand Hole Cutting Machines

Chase Turbine Mfg. Co., Orange, Mass.
Fischer Machine Works (Automatic for Wood), 345 Canal, Chicago, Ill.

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Hand Shearing Machines

New Doty Mfg. Co. (Hand Power), Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York

Hand Stamp Makers' Machinery

Force, W. A. & Co. (Inc), 59 Beekman, New York

Hand & Foot Power Machinery

(See Woodworking Machinery, Hand & Foot Power)

Handle Blank Sawing Machines

Klotz Machine Co. (For Cutting Out Shapes or Blanks for Handles, Staves, etc.), Sandusky, O.
Trevor Mfg. Co. (Automatic), Lockport, N. Y.

Handle Chucking & Boring Machines

Loetzer Valve & Mfg. Co. ("Booth" Automatic), Monroeton, Pa.

Handle Polishing Machines

Klotz Machine Co. (For Spokes & Handles), Sandusky, O.

Handle Scroll Machines

Klotz Machine Co. (For Wood Handles), Sandusky, O.

Handle Tumbling Machines

Trevor Mfg. Co. (For Smoothing Handles), Lockport, N. Y.

Handle Turning Machinery

(See Lathes, Handle Turning)

Hardware Machinery

Herrick & Cowell, New Haven, Conn.

Harness Machinery

International Harness Machinery Co., Cincinnati, O.
Randall, J. D. Co., Cincinnati, O.
Ross-Moyer Mfg. Co., Cincinnati, O.
Smith, F. H. Mfg. Co., 52 St. John's ct., Chicago, Ill.

Harness Riveting Machines

Smith, F. H. Mfg. Co., 52 St. John's ct., Chicago, Ill.

Harness Sewing Machines

(See also Sewing Machines, Harness; for page number consult Index of Contents)
Bauer Machine Co. ("Bauer" Lock Stitch, Wax Thread), Jeffersonville, Ind.
Campbell-Boswell Machinery Co. ("Campbell" Lock Stitch Wax Thread), 205 Lincoln, Boston, Mass.
International Harness Machinery Co. (Wax Thread), Cincinnati, O.
Landis Machine Co. (Wax Thread), St. Louis, Mo.
O'Flaherty, Jno. Co. (Big Shuttle Lock Stitch, Wax Thread), Rouses Point, N. Y.
Puritan Mfg. Co. ("Puritan"), Boston, Mass.
Randall, J. D. Co., Cincinnati, O.

Harvesting Machinery

(See Harvesters, Various Kinds)

Hat Cleaning Machines

Slotkin, Mayer, 210 Canal, New York

Hatters' Machinery

Almond, David, Newark, N. J.
Doran Bros., Danbury, Conn.
Dubrow & Hearne Mfg. Co., 12 Wooster, New York
Heim Machine Co., Danbury, Conn.
Morelock, Wm., Danbury, Conn.
Muller, Fred., 214 Lackawanna, Newark, N. J.
New Machine Co., Danbury, Conn.
Newark Hat Block & Machine Co., Newark, N. J.
Reed, Chas., Danbury, Conn.
Turner Machine Co. (Also Hatters' Supplies), Danbury, Conn.
Yule & Carley Mfg. Co., Newark, N. J.

Heading, Upsetting & Forging Machines (Combined)

AJAX MFG. CO., 3830 Lakeside, N E., Cleveland, O. (See adv. index, end of book)

Heating Machines

(See Annealing Machines; also Furnaces, Annealing & Case Hardening)

Hide Stamping Machines

Loegemann Bros. Co. ("Loegemann" Portable), Milwaukee, Wis.

Hide & Leather Working Machinery

Baker, G. W. & Co., Wilmington, Del.
Boyle, John Machine Co. (Shaving Machine), Peabody, Mass.
Corwin Mfg. Co., Peabody, Mass.
Evans' John Sons, 13th & Buttonwood, Phila., Pa.
Hide & Leather Wrkg. Machine Co. (Tanning & Currying Machines, Parts, Tools, etc.), Milwaukee, Wis.
Holmes, Chas. Machine Co., 299 Marginal, E. B., Boston, Mass.
Hutchinson Hide & Leather Machine Co., Winchester, Mass.
Layman, A. C., Wilmington, Del.
Loy & Mawrath, 25 Runyon, Newark, N. J.
McLeod, Jno. H. (Leather Finishing Pebble Rolls), 17 Treat pl, Newark, N. J.
Martin, Wm. F. (Tan Presses, Finishing Machines, etc.), Salem, Mass.
Modern Machinery Co., Wilmington, Del.
Munkwitz, Edw. H. Co., Milwaukee, Wis.
Newark Leather Machinery Co., Newark, N. J.
Peabody Leather Machinery Co., Peabody, Mass.
Slocomb, F. F. & Co. (Staking & Glazing Machines, etc.), Wilmington, Del.
Turner Tanning Machinery Co., Peabody, Mass.
Union Leather Measuring Machine Co. (Leather Measuring Machines), Danversport, Mass.

Hinge & Butt Machinery

Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Hod Hoisting Machines

(See Elevators, Hod)

Hoe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

Hoisting Machinery

(See Cranes; also Derricks; also Engines, Hoisting; also Hoists of Various Kinds)

Hoisting Machinery (Pneumatic & Electric)

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

HOISTING MACHINERY
Pneumatic & Electric
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

Hollow Building Block Machinery

(See Clay Building Block Machinery; also Concrete Building Block Machinery)

Hook Bending Machines

American Can Co. (Single & Double Rail Hook; Former for Lard Pails, Paint Buckets, etc.), 135 Adams, Chicago, Ill.

Hook & Eye Machinery

Baird Machine Co., Oakville, Conn.
Manville Bros. Co., Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.
Special Machinery Co. (Automatic), Bridgeport, Conn.

Hoop Machinery

(See also Barrel Machinery)
Defiance Machine Works, Defiance, O.
Merritt Mfg. Co. ("Trautman," Saws, Planes, Paints & Laps), Lockport, N. Y.

Hoop Nailing Machines

Holmes, E. & B. Machinery Co. ("Trautman"), Buffalo, N. Y.

Horn Working Machinery

Cook, F. H. & Co., Leominster, Mass.

Horse Clipping Machines

(See also Clippers, Horse; also Sheep Shearing Machines)
American Shearer Mfg. Co. ("Priest's"), Nashua, N. H.
CHICAGO FLEXIBLE SHAFT CO. ("20th Century" & "Stewart" Ball Bearing), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
COATES CLIPPER MFG. CO. ("Coates" Flexible Shaft, Electric, etc.), Worcester, Mass. (See adv. index, end of book)
Gillette Clipping Machine Co., 114 W 32d, New York
Stow Flexible Shaft Co., Binghamton, N. Y.

Horse Collar Machinery

(See also Harness Machinery)
Foglesong, W., Dayton, O.
Randall, J. D. Co., Cincinnati, O.

Horse Grooming Machines

CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Reversible), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)

Horseshoe Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Hose Machines (Rubber Mill)

Adamson, A., Akron, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Birmingham Iron Foundry, Derby, Conn.
New England Butt Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

Hot Forge Nut Machines

National Machinery Co., Tiffin, O.

Hot Pressed Nut Machines

(See Nut Machines, Hot Pressed)

Hot Rolled Stock Straightening & Cutting Machinery (Automatic)

SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Hot Sawing Machines

(See also Cold Saw Cutting-Off Machines)
AJAX MFG. CO., 3830 Lakeside, N E., Cleveland, O. (See adv. index, end of book)
Billings & Spencer Co., Hartford, Conn.
Espen-Lucas Machine Works (High Speed, etc., for Foundry, Forge, etc.), 342 N 15th, Phila., Pa.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Fischer Foundry & Machine Co., Ford City, Pa.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Mesta Machine Co., Pittsburg, Pa.
Philadelphia Roll & Machine Co. (For Hot Metal), S 22d & Washington av, Phila., Pa.
Scaife Foundry & Machine Co., 28th & Smallman, Pittsburg, Pa.
United Engineering & Foundry Co. (Sliding, Swinging & Stationary Saw for Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.

Hub Boring Machines

Abbott & Co., Hudson, Mich.
Defiance Machine Works, Defiance, O.
Kane & Roach, Syracuse, N. Y.
Silver Mfg. Co. ("Dole & Silver"), Salem, O.
Smith, Philip Co., Sidney, O.

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Hub Boxing Machines

Silver Mfg. Co. ("Dole" & "Silver"), Salem, O.

Hub, Spoke & Rim Machinery

Abbott & Co. (Hub Borers), Hudson, Mich.
Bental & Margedant Co., Hamilton, O.
Cordesman, Rechtin Co. (Boring), Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Kane & Roach (Boring), Syracuse, N. Y.
Ober Mfg. Co. (Spoke), Chagrin Falls, O.
Silver Mfg. Co. (Tenon Machines), Salem, O.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Smith, Philip Co., Sidney, O.
Stearns, E. C. & Co., 100 Oneida, Syracuse, N. Y.

Hydrating Machines

(See Lime Hydrating Machinery)

Hydraulic Machinery

See Accumulators, Hydraulic.
Cranes, Hydraulic.
Dredging Machinery, Hydraulic.
Gauges, Hydraulic.
Hydraulic Rams.
Jacks, Hydraulic.
Lifts, Hydraulic.
Presses, Hydraulic, Various Kinds.
Pumps, Hydraulic.
Punches, Hydraulic.
Riveting Machines, Hydraulic.
Etc., Etc., Etc.

Ice Chipping Machines

Davenport Ice Chipping Machine Co. (B. L. Schmidt, Prop.), Davenport, Ia.

Ice Cream Machines

(See also Freezers, Ice Cream)

Allman Gas Engine & Machine Co. ("Champion;" also Ice Cream Machine & Ice Breaker Combined), 461 Canal, New York
GRISCOM-SPENCER CO. ("Brine" Emery-Thompson Vertical), 90 West, New York, & ft Washington av, Phila., Pa. (See adv. index & branch offices, end of book)
Wallace, Jno. W. Co., 44 E 23d, New York

Ice Cream Biscuit Machines

Union Machine Works & Iron Foundry, 1825 S Water, Phila., Pa.

Ice Cube Cutting Machines

Blakeslee, G. S. & Co. ("Blakeslee"), 325 Dearborn, Chicago, Ill., & 260 B'way, New York
Reinhold Mfg. Co. ("Jumbo"), Detroit, Mich.

Ice Handling Machinery

Dodge Mfg. Co., Mishawaka, Ind.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Haughton Elevator & Machine Co., Toledo, O.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Interstate Engineering Co., Bedford, O.
Klotz Machine Co., Sandusky, O.
Link Belt Co., W 39th c Stewart av, Chicago, Ill., & 299 B'way, New York
Mey Chain Belting Engineering Works, 77 Washington, Buffalo, N. Y.
Pittsburg Conveying Machinery Co., Pittsburg, Pa.
Schultz, A. L. & Son, 570 Elston av, Chicago, Ill.

Ice Machines (Portable)

Barber, A. H. Creamery Supply Co., 229 S Water, Chicago, Ill.
Murray Iron Works Co., Burlington, Ia.
United Iron Works Co., Springfield, Mo.
York Mfg. Co. (Ltd.), York, Pa.

Ice Pick Machines

NIAGARA HANDLE & FERRULE CO., 321 N Holliday, Baltimore, Md. (See adv. index, end of book)

Ice Recording Machines

Stevenson Co. (Ltd.), Chester, Pa.

Ice & Refrigerating Machines

Alamo Iron Works (Inc.), San Antonio, Tex.
American Linde Refrigeration Co., 346 B'way, New York
AMERICAN MACHINE CO., Louisville, Ky. (See adv. index, end of book)
Arctic Ice Machine Co., Canton, O.
Althoff Mfg. Co., Denver, Colo.
Atlanta Machine Works, Atlanta, Ga.
Automatic Refrigerator Co., Hartford, Conn.
Barber, A. H. Creamery Supply Co., 229 S Water, Chicago, Ill.
Brown-Cochran Co. (Carbonic Anhydride System), Lorain, O.
Brunswick Refrigerating Co., New Brunswick, N. J.
Buckeye Engine & Foundry Co., Joliet, Ill.
Buffalo Engine Co., Buffalo, N. Y.
Boland Machinery Co. ("20th Century"), 209 S Clinton, Chicago, Ill.
Buffalo Refrigerating Machine Co., 126 Liberty, New York; Works: Harrison, N. J.
Buffalo Steam Pump Co., Buffalo, N. Y.
Carbondale Machine Co. ("The Hendrick"), Carbondale, Pa.
Carolina Ice Machine Co., Charlotte, N. C.
Castle Ice Machine Co., Indianapolis, Ind.
Cleveland Ice Machine Co., 1615 Merwin, N W, Cleveland, O.
Columbus Iron Works Co., Columbus, Ga.
Creamery Package Mfg. Co. ("Barber"), 182 E Kefizie, Chicago, Ill.
De La Vergne Machine Co., ft E 138th, New York
Edgar Mfg. Co., 310 W 20th, Kansas City, Mo.
Featherstone Foundry & Machine Co., 306 Railway Ex., Chicago, Ill.
Forbes, W. D. Co., New London, Conn.
Frick Co., Waynesboro, Pa.
Goldens' Foundry & Machine Co., Columbus, O.
Great Lakes Engineering Works, Detroit, Mich.
Huetteman & Cramer Co., Beaufait c Mack av, Detroit, Mich.
Ice & Cold Machine Co., 3003 N B'way, St. Louis, Mo.
Imperial Ice Machine Co., 11 B'way, New York
Kroeschell Bros. Ice Machine Co., 81 Erie, Chicago, Ill.
Larsen-Baker Ice Machine Co. (2 to 50 tons), Omaha, Neb.
Macdonald Engineering Co., 98 Jackson boul, Chicago, Ill.
Maynard, J. F. (for Brewers, Packers, Confectioners & Dairies), 122 Geyer av, St. Louis, Mo.
Meese & Gottfried Co. (Linde System), 167 Fremont, San Francisco, Cal.
Murray Iron Works Co., Burlington, Ia.
New Britain Machine Co., New Britain, Conn.
New Process Refrigerating Machine Co. (for Families, Butchers, Restaurants, Vessels, etc.), Detroit, Mich.
Newburgh Ice Machine & Engine Co., Newburgh, N. Y.
Niebling, F. W. Co., Norwood, Cincinnati, O.
Otto, Geo. F., 209 Buttonwood, Phila., Pa.
Pennsylvania Engineering Co. (Engineers & Contractors), 1119 N Howard, Phila., Pa.
Rebsamer & Almeroth, 1071 Elston av, Chicago, Ill.
Remington Machine Co., Wilmington, Del.
Riverside Iron Works Co., Kansas City, Kan.
Roelker, H. B. ("Allen" Dense Air), 41 Maiden la, New York
Ruemmeli-Dawley Mfg. Co., 3900 Choutea av, St. Louis, Mo.
Spangler Mfg. Co. (Small), York, Pa.
Steel & Condict (Inc.), Jersey City, N. J.
Triumph Ice Machine Co., Cincinnati, O.
United Iron Works, Oakland, Cal.
United Iron Works Co. (¼ to 50 Tons per Day), Springfield, Mo.
U. S. Automatic Ice Machine Co. (Automatic), Dayton, O.
Van Zandt-Moore Iron Works, Fort Worth, Tex.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)
Vogt, Henry Machine Co., Louisville, Ky.
Vulcan Iron Works, 505 Mission, San Francisco, Cal.
Wegener Machine Co., c Perry & Mississippi, Buffalo, N. Y.
Wolf, Fred. W. Co. ("Linde"), 141 Rees, Chicago, Ill.
York Mfg. Co., York, Pa.
Zero Refrigerating Machine Co., 200 B'way, New York

Incandescent Lamp Making Machinery

York Electric Machine Co., York, Pa.

Index Machines

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Ink Grinding Machines

(See Mills, Ink Grinding)

Insulating Machines

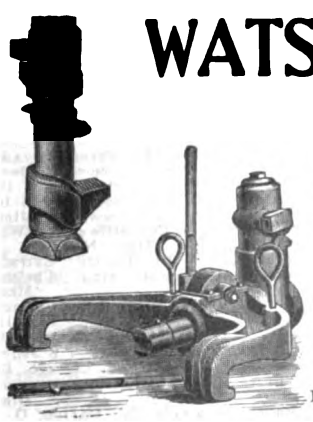
(See Wire Insulating Machinery; see also Wire & Cable Covering Machinery)

Insulator Pin, Bracket & Cross Arm Machinery

Chattanooga Machinery Co., Chattanooga, Tenn.
Defiance Machine Works, Defiance, O.

Ironing Machines

(See Laundry Machinery)



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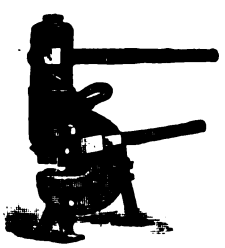
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Irrigating Machinery

(See Pumps, Irrigating)

Jar Ring Machines

(See Lathes, Jar Ring)

Jewelers' Machinery

American Oil & Supply Co., Newark, N. J.
Leiman Bros., 139 Center, New York
Moseley Lathe Co., Elgin, Ill.
Ruesch, H. J. Machine Co., 28 Green, Newark, N. J.
Standard Machinery Co., Providence, R. I.

Jewelers' & Opticians' Machines & Tools

Langelier Mfg. Co., 67 Clifford, Providence, R. I.

Joggling Machines for Shipyards

MORGAN ENGINEERING CO. (Electric, with Hand Crane), Alliance, O. (See adv. index & branch offices, end of book)

Joint Wiping Machines

United Brass Mfg. Co., Cleveland, O.

Jointing Machines

Silver Mfg. Co. (Hand), Salem, O.

Jolly Machines for Stoneware, Etc.

Williams Foundry & Machine Co., Akron, O.

Keel Plate Bending Machines (Hydraulic)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Keg Machinery

(See Barrel, Keg, Stave & Heading Machinery)

Key Filing Machines

Hess Machine Works, 2512 Callowhill, Phila., Pa.

Keyseat Broaching Machines

Lapointe Machine Tool Co., Hudson, Mass.

Key-Seating Machines

Baker Bros. ("Colburn"), Toledo, O.
Burr, John T. & Sons, 429 Kent av, Brooklyn, N. Y.
Chattanooga Machinery Co. (The "Catlin"), Chattanooga, Tenn.
Crompton & Knowles Loom Works, Worcester, Mass.
Davis, W. P. Machine Co., Rochester, N. Y.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Mercury Machine Co. ("Lake," Portable), 2117 N Broad, Phila., Pa.
Mitts & Merrill (Giant), Saginaw, Mich.
Morton Mfg. Co., Muskegon Heights, Mich.
Niles-Bement-Pond Co., 111 B'way, New York
Novelty Iron Works (G. E. Davis, Prop.) (Hub), Dubuque, Ia.
Ryerson, Jos. T. & Son (Portable Automatic), 16th & Rockwell, Chicago, Ill.

Key-Way Machines

Baker Bros. ("Colburn"), Toledo, O.
Davis, W. P. Machine Co., Rochester, N. Y.
Morton Mfg. Co., Muskegon Heights, Mich.
Niles-Bement-Pond Co., 111 B'way, New York

Kindling Wood Machinery

(See also Wood Sawing & Splitting Machinery)

American Sawmill Machinery Co., 50 Church, New York; Works: Hackettstown, N. J.
Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Badger Gas & Gasoline Engine Co. (Portable, Gasoline, Cord Wood, Sawing Machine), Kansas City, Mo.
Dedricks, P. K. Sons, Albany, N. Y.
Fay, J. A. & Egan Co., Cincinnati, O.
Greene Mfg. Co., 296 Oakland, Brooklyn, N. Y.
Hildreth Bros., Harvard, Mass.
Hill, W. E. & Co., Kalamazoo, Mich.
Spangler Mfg. Co., York, Pa.
Stauffer, Geo. E., East Stroudsburg, Pa.

Kneading & Mixing Machines

Landers, Frary & Clark ("Universal," Bread Kneading & Mixing), New Britain, Conn.
Prime Machinery Co. (Mixing & Kneading), Battle Creek, Mich.
Ross, Chas. & Son Co. (For Putty, Dough & Rubber, etc.), 148 Classon av, Brooklyn, N. Y.
WERNER & PFLEIDERER ("Universal," for Food, Chemicals, etc.), Saginaw, Mich. (See adv. index, end of book)

Knife Balancing Machinery

Bentel & Margedant Co., Hamilton, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.

Knife Polishing & Buffing Machines

Blakeslee, G. S. & Co., 325 Dearborn, Chicago, Ill., & 200 W B'way, New York

Knitting Machinery

(See Textile Machinery; for page number consult Index of Contents)

Kraut Cutting Machines

(See Cutters, Kraut)

Kraut Machines

(See also Cutters, Kraut)

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Label Varnishing Machines

Chambers Bros., 52d below Lancaster av, Phila., Pa.

Labeling Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Bottlers' Machinery & Mfg. Co., 67 Wells, Chicago, Ill.
Burt Machine Co. (Can, etc.), Baltimore, Md.
Dayton Machine Works, Dayton, O.
Economic Mchy. Co. ("Star" & "World"), Worcester, Mass.
Emmke-Hancock Co. ("Emmke-Hancock," Automatic Bottle Labeling Machines), Milwaukee, Wis.
Ermold, Edw. ("Ermold," Bottle), 650 Hudson, New York
Girard Machine Works (Inc.), 2116 Girard av, Philadelphia, Pa.
Knapp, Fred H. & Co., 5 Wabash av, Chicago, Ill.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Kramer Bros. Foundry Co., Dayton, O.
Leffer, Chas. & Co. ("Brooklyn" Bottle, Can & Package), 63 Clymer, Brooklyn, N. Y.
Morral Bros. ("Morral" Can, etc.), Morral, O.
Royal Machine Co., Newark, N. J.
SPRAGUE CANNING MACHINERY Co. ("Knapp" Tin Can), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Weiscopf, L. (For Bottle or Cans), 20 Vesey, New York

Laboratory Machinery

Colton, Arthur, 184 Brush, Detroit, Mich.
Day, J. H. Co., Cincinnati, O.

Lacquering Machines

Ohl, Geo. A. & Co. (For Tin, Metal & Cardboard, etc.), 157 Oration, Newark, N. J.

Lag Screw Gimlet Pointing Machines

National Machinery Co., Tiffin, O.

Lag Screw Threading Machines

Cook, Asa S. Co., Hartford, Conn.

Lamp Burner Shaft Machinery

Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.

Lapping Machines

(See also Textile Machinery)

Blake & Johnson, Waterbury, Conn.
Builders' Iron Foundry, Providence, R. I.
Diamond Machine Co., Providence, R. I.
LeBlond, R. K. Machine Tool Co., 4600 Eastern av, Cincinnati, O.
Mitts & Merrill (for Band Saws), Saginaw, Mich
Niles-Bement-Pond Co., 111 B'way, New York
Northampton Emery Wheel Co., Leeds, Mass.
Rhode Island Braiding Machine Co., Providence, R. I.

Last Machinery

Kimball Bros. & Sprague, Brockton, Mass.

Lath Mill Machinery

Abbott, D. S. Co., Olean, N. Y.
American Wood Working Machinery Co. Rochester, N. Y., West bldg. New York
Bartlett, A. F. & Co., Saginaw, Mich.
Bolton Lath & Shingle Machinery Co., Minneapolis, Minn.
Butterworth & Lowe (Inc.) (Sheathing, Lath, etc.), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Cook, B. A., Stevens Point, Wis.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works, Minneapolis, Minn.
Garland, M. Co., Bay City, Mich.
Lane Mfg. Co., Montpelier, Vt.
Mitts & Merrill, Saginaw, Mich.
Smith, Myers & Schnier, Cincinnati, O.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Stearns Mfg. Co., Erie, Pa.
Union Iron Works, Bangor, Me.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Laundry Machinery

(See also Laundry Dryers, Tubs, Etc.)

Adams Laundry Machinery Co. ("Sharpe" Washers, etc.), 1035 6th av, Troy, N. Y.
American Bell & Foundry Co. ("Gem" C. & C. Ironers, etc.), Northville, Mich.
American Ironing Machine Co. ("Simplex" Ironer), 28 E Lake, Chicago, Ill.
American Laundry Machinery Co. (Mangles, Cylinder Washers, etc.), Norwood, Cincinnati, O., & 182 W 27th, New York
American Laundry Machinery Mfg. Co., 90 Franklin, Chicago, Ill.
Ashler Mangle Co., Willimantic, Conn.
Atlas Laundry Machinery Co. ("C. & C." Ironers & "Hercules" Mangles, etc.), Cincinnati, Ohio
Barnes & Erp Co. ("C. & C." Ironers, "Eclipse" Seam Dampeners, Reverse Body Ironers, etc.), 3840 Lancaster av, Phila., Pa.
Bess Laundry Machinery Co., Hamilton, O.
Bishop, Geo. H. ("C. & C." Strachers & Specialties), 59 W Washington, Chicago, Ill.
Boland Machine & Mfg. Co., New Orleans, La.
Chicago Addition Mangle Co., 74 W Monroe, Chicago, Ill.
Chicago Dryer Co. (Clothes Dryers, Steam, Hot Water & Gas), 381 Wabash av, Chicago, Ill.
Chicago Laundry Machinery Co. ("Floran" Seam Dampeners, Fold Collar Shaper & Edger, "C. & C." Edgers), 16 S Canal, Chicago, Ill.
Chicago Rival Machine Co., 670 Lincoln av
Cleveland Laundry Machinery Co., 5222 Trackrd. S E. Cleveland, O.
Columbia Mfg. Co. ("Hurry" Dryers, "F" & "C. & C." Ironers, etc.), Columbia, Pa.
Dawson, A. L. & Co., 47 Jefferson, Chicago, Ill.
Empire Laundry Machinery Co., Boston, Mass.
Grever, Kerhoff & Co. (Body Ironers), 59 Central av,, Cleveland, O.
Helm Machinery Co., Danbury, Conn.
Hendy, Joshua, Machine Works, 38 Freemont, San Francisco, Cal.
Henriet Laundry Machinery Co., Stoneham, Mass.
Horning & Miller, 548 N Halsted, Chicago, Ill.
Hoyt Mfg. Co. (C. & C. & S. Ironers), 116 1st av, N, Minneapolis, Minn.
Huebsch Spray Dampener Co., Milwaukee, Wis.
Interstate Machinery Co., Troy, N. Y.
Lorewell-Henriet Co. ("The Henriet" Extractors, Dampening Presses, etc.), Chelsea, Mass.
Lutes, W. H. Co., 2700 Evanston av, Chicago, Ill.
Mateer, F. W. & Co. (Extractors, C. & C. Ironers, Cylinder Washers, etc.), 7 S Jefferson, Chicago, Ill.
Minneapolis Brass & Iron Mfg. Co., Minneapolis, Minn.
National Laundry Machinery Co., Dayton, O.

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Nelson & Kreuter Co. ("Champion" C. & C. Ironers, Cylinder Washers, etc.), 49 S Clinton, Chicago, Ill.
Oakley & Keating, 668 Manhattan ave, Brooklyn, N. Y.
Poland Laundry Machinery Co., 41 Kemble, Boston, Mass
Porter & Erwin, Cedar Rapids, Iowa
Reed Mfg. Co. (Collar Shapers), Erie, Pa.
Sanitary Laundry Machinery Co., Tell City, Ind.
Southern Laundry Machinery Co., Atlanta, Ga.
Stebbins Mfg. Co., Denver, Colo.
Steel Roll Machine Co., 254 E Madison, Chicago, Ill.
Stone, O. F. Co., 131 Sangamon, Chicago, Ill.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), Troy, N. Y.
U. S. Laundry Machinery & Supply Co., B'way & 2d, Cincinnati, O.
Western Laundry Machinery Co., San Francisco, Cal
Willey Co., Betz bldg, Phila., Pa. Works, South Windham, Conn.
Windsor Locks Machine Co., Windsor Locks, Conn.

Lead Pipe & Trap Machinery

Robertson, Jno. & Co. (Also for Sheet Lead, etc.), 120 Water, Brooklyn, N. Y.

Leather Brushing Machines

Baker, G. W. & Co. (For Harness, Shoe, Russia & Sheep Leather), Wilmington, Del.

Leather Calculating Machines

Baker, G. W. & Co., Wilmington, Del.

Leather Creasing Machines

Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Randall, J. D. Co., Cincinnati, O.
Stimpson, Edwin B. Co., 31 Spruce, New York

Leather Cutting Machines

Ohl, Geo. A. & Co. (Also for Fibre), 157 Oraton, Newark, N. J.

Leather Embossing Machines

Osborne, C. S. & Co. (Harness Makers, etc.), Harrison, N. J.
Randall, J. D. Co., Cincinnati, O.

Leather Finishing Machines

Martin, Wm. F., Salem, Mass.

Leather Fleshing & Slating Machines

Baker, G. W. & Co. ("New National"), Wilmington, Del.

Leather Glazing Machines

Baker, G. W. & Co., Wilmington, Del.

Leather Measuring Machines

Baker, G. W. & Co. ("Sawyer's"), Wilmington, Del.

Leather Punching Machines

Ohl, Geo. A. & Co. (Also for Fibre), 157 Oraton, Newark, N. J.
Randall, J. D. Co., Cincinnati, O.

Leather Rolling & Stoning Machines

Baker, G. W. & Co., Wilmington, Del.

Leather Setting & Stoning-Out Machines

Baker, G. W. & Co. (Reversible Drum), Wilmington, Del.

Leather Shaving Machines

Baker, G. W. & Co., Wilmington, Del.

Leather Slitting & Finishing Machines

Randall, J. D. Co. (Power, Round Edge), Cincinnati, O.

Leather Splitting Machines

American Tool & Machine Co. (Belt Knife), 100 Beach, Boston, Mass.
Baker, G. W. & Co. ("Western Union"), Wilmington, Del.
Simpson, Edwin B. Co., 31 Spruce, New York

Leather Staking Machines

Baker, G. W. & Co. ("Baker" & "Wilmington" Roller), Wilmington, Del.

Leather Stamping Machines

Baker, G. W. & Co. (For Hides, Skins & Leather), Wilmington, Del.

Leather Whitening Machines

Baker, G. W. & Co. (For Splits & Harness Leather, etc.), Wilmington, Del.

Leather Working Machinery

(See Hide & Leather Working Machinery)

Letter Folding Machines

Dick, A. B. Co. (Automatic), 161 W Jackson boul, Chicago, Ill.

Leveling Machines for Sheets

Poole, J. Morton Co., Wilmington, Del.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Lime Hydrating Machinery

Clyde Iron Works, Duluth, Minn.
Kritzer Chas. C. ("Kritzer" Continuous), 17th & Western av, Chicago, Ill.
National Brick Machinery Co., 138 Wash'n, Chicago, Ill.

Lime Slacking & Mixing Machines

Deming Apparatus Co. (Lime Slacking Tanks & Pumps), 70½ Pine, New York
Teal, Chas. A., 1361 Ridge av, Phila., Pa.

Linoleum & Floor Cloth Machinery

Dienelt & Eisenhardt (Printing), 1308 N. Howard, Phila., Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Moore & White Co. (Printing), 15th & Lehigh av, Phila., Pa.

Linseed Oil Machinery

(See also Cotton Seed Oil Machinery)

ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & N. Sangamon, Chicago, Ill. (See adv. index, end of book)
French Oil Mill Machinery Co., Piqua, O.

Liquid Filling Machines

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Lock Corner Box Machinery

Bentel & Margedant Co. (Single & Double End), Hamilton, O.
Chase Turbine Mfg. Co. (Automatic Box Presses), Orange, Mass.
Connell & Dengler Machine Co. (Box Trimmers, Box Pressing, etc.), Rochester, N. Y.
Fay, J. A. & Egan Co., Cincinnati, O.
Morgan Machine Co., Rochester, N. Y.
Nicholls Mfg. Co., Ottumwa, Ia.

Lock Mortising Machines

CORBIN CABINET LOCK CO. (Mortising for Locks & Keyhole Boring), New Britain, Conn.
Miller, A. W. Mfg. Co. ("Miller"), 5th & Sycamore, Cincinnati, O.
Perfection Mfg. Co. ("Perfection"), Columbus, Ohio

Log Hauling Machines

(See Log Hauls)

Macaroni Machinery

Cavagnaro, Jno. J., 215 Centre, New York
City Machine Co., Cleveland, O.
Collins-Gunther Co., San Antonio, Tex.
Oelman & Co., Detroit, Mich.
Ross, Chas. & Son Co., 148 Classon av, B'klyn, N. Y.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Manifold Shipping Machines

Egry Autographic Register Co., Dayton, O.

Marble Copping Machines

MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)

Marble Moulding & Countersinking Machines

MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Marble Oval Hole Cutting Machines

Holub-Dusha Co., 1799 1st av, New York

Marble Polishing Machines

(See Stone Polishing Machines)

Marble Working Machinery

(See Stone Working Machinery, Etc.)

Mashing Machines

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)

Match Box Machinery

Birch & Birch (All Sizes), Crawfordsville, Ind.
Dietz Machine Works, 126 Fontain, Phila., Pa.
Kent Machine Co., Toledo, O.
Woodbridge Machine Works, Detroit, Mich.

Match Machinery

Diamond Match Co., 56 Michigan av, Chicago, Ill., & Barberton, O.
Dietz Machine Works, 126 Fontain, Phila., Pa.
Herrick & Cowell, New Haven, Conn.
Reinhold Machine Co., Detroit, Mich.
Woodbridge Machine Works, 127 Brush, Detroit, Mich.

Matting Weaving Machines

Crompton & Knowles Loom Works (For Japanese Matting), Worcester, Mass.

Mattress Machinery

(See Woven Wire Mattress Machinery)

Meat Can Stuffing Machines

American Can Co. (Rotary), 135 Adams, Chicago, Ill.

Metal Beading Machines

(See Crimping & Beading Machines)

Metal Boring Machines

(See also Mills, Boring & Turning; also Boring & Drilling Machines, Horizontal)
American Tool Works Co., Cincinnati, O.
Baker Bros., Toledo, O.
Barrett Machine Tool Co. ("Barrett"), Cylinder), Meadville, Pa.
Baush Machine Tool Co., Springfield, Mass.
Beaman & Smith Co., Providence, R. I.
Birdsboro Steel Foundry & Machine Co. ("Wagner," Cold Sawing), Birdsboro, Pa.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Fitchburg Machine Works, Fitchburg, Mass.
Fox Machine Co., Grand Rapids, Mich.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Garvin Machine Co., 137 Varick, New York
Harrington, E. Son & Co. (Inc.), 17th & Callowhill, Phila., Pa.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Henley, M. C., Richmond, Ind.
Herron-Webb Engineering Co. ("Black Diamond" for Armature Bearings), Monongahela, Pa.
Lucas Machine Tool Co., Cleveland, O.
Manning, Maxwell & Moore, 85 Liberty, New York
New Haven Mfg. Co., New Haven, Conn.
Newton Machine Tool Works (Inc.), 2847 Vine, Philadelphia, Pa.
Niles-Bement-Pond Co., 111 B'way, New York.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass

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PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Warner & Swasey Co., Cleveland, O.

Metal Boring Machines (Horizontal)

(See Boring & Drilling Machines, Horizontal)

Metal Boring Machines (Vertical)

American Tool Works Co., 6th & Eggleston av., Cincinnati, O.
Betts Machine Co., Wilmington, Del.
Bickford, H., Lakeport, N. H.
Bullard Machine Tool Co., Bridgeport, Conn.
Cornell, J. B. & J. M. Co., 26th & 11th av., New York
Niles-Bement-Pond Co., 111 B'way, New York
Prentice Bros. Co., Worcester, Mass.

Metal Culvert Machinery

NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)

Metal Cutting-Off Machines

(See also Cold Saw Cutting-Off Machines; also Hot Sawing Machines)

Brown & Sharpe Mfg. Co., Providence, R. I.
CLEVELAND PUNCH & SHEAR Works Co., 1306 E. 40th, Cleveland, O. (See adv. index, end of book)
Davenport-McCullough Mfg. Co., Blissfield, Mich.
Davis, W. P. Machine Co. (Cold), Rochester, N. Y.
Higley Machine Co., Croton Falls, N. Y.
Hurlbut-Rogers Machine Co., South Sudbury, Mass.
Niles-Bement-Pond Co., 111 B'way, New York
Nutter, Barnes & Co., 326 A., Boston, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)

Metal Edge Box Machines

National Metal Edge Box Co. (Automatic), 8th & Willow, Phila., Pa.

Metal Jig Sawing Machines

Thompson, H. G. & Son Co. ("Eureka"), New Haven, Conn.

Metal Power Sawing Machines

Thompson, H. G. Son Co. ("Eureka" Hack Saw Pattern), New Haven, Conn.

Metal Sawing Machines

(See Cold-Saw Cutting-off Machines; also Hot Sawing Machines)

Metal Tank Machinery

NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)

Metal Wheel Machinery

HEARTLEY MACHINE, VARIETY Iron & Tool Works (Metal Wheel Tools of All Descriptions), Toledo, O. (See adv. index, end of book)

Milk Can Washing Machines

Dairymen's Mfg. Co., Jersey City, N. J.

Milk Condensing Machinery

Huetteman & Cramer Co., Detroit, Mich.
Rogers, C. T. (& Factory Construction), 1440 Grand River av, Detroit, Mich.

Milk Pasteurizing Machinery

Burke Machinery Co., Cleveland, O.

Milling Machines

(See also Milling Machines, Bench or Hand)

Adams Co. ("The Farewell Horizontal"), Dubuque, Ia.
Aurora Tool Works (Plain & Universal), Aurora Ind.
Beaman & Smith Co. (Horizontal with one or more spindles), Providence, R. I.
Becker Milling Machine Co. (Horizontal, Plain, Vertical, Universal, Large Hand & Planer Type), Hyde Park, Mass.
Brown & Sharpe (Universal, Plain, Hand & Vertical Spindle), Providence,, R. .I.
Burke Machinery Co., Cleveland, O.
Burr, Jno. T. & Sons (Slab Miller), 429 Kent av., Brooklyn, N. Y.
Cincinnati Milling Machine Co. (Plain, Universal & Vertical), Cincinnati, O.
Cleveland Automatic Machine Co. (Worm, etc.), Cleveland, O.
Cleveland Machine Screw Co. (Worm, etc.), Cleveland, O.
Clough, B. M. (Vertical), Tolland, Conn.
Cook, Asa S. Co. ("Colt" & "Cook"), 80 Huyshope av, Hartford, Conn.
Espen-Lucas Machine Works, 342 N 15th, Phila., Pa.
Fay & Scott, Dexter, Me.
Fosdick Machine Tool Co. (Horizontal), Blue Rock & Apple, Cincinnati, O.
Fox Machine Co. (Electrically Driven), Grand Rapids, Mich.
FREVERT MACHINERY CO. (Mfrs.' Agents & Dealers), 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co. (Universal, Plain, Vertical, Hand, Duplex, Double Face & Traverse Heads), 187 Varick, New York
Griswold, Geo. M., 35 Union, New Haven, Conn.
Hendy Machine Co. (Horisontal, Plain & Universal, etc.), Torrington, Conn.
Hibbard, Wm. H. Mfg. Co. (Vertical), 79 Washington, Brooklyn, N. Y.
Hilles & Jones Co., Wilmington, Del.
Horton, Jas. A., Greenfield, Mass.
Ingersoll Milling Machine Co. (Heavy, Horisontal or Vertical Spindle), Rockford, Ill.
Kearney & Trecker Co., Milwaukee, Wis.
Kempsmith Mfg. Co. (Plain, Universal & Lincoln Pattern), Linus & Woodward, Milwaukee, Wis.
Le Blond, R. K. Machine Tool Co. (Plain & Universal), 4609 Easton av, Cincinnati, O.
McCabe, J. J. (Plain & Universal), 30 Church, New York
Mitts & Merrill (Keyseat), Saginaw, Mich.
Newton Machine Tool Works (Horizontal, Vertical, Universal & Slab), 2347 Vine, Phila., Pa.
Niles-Bement-Pond Co. (Horizontal, Plain, Vertical & Universal), 111 B'way, New York
Oesterlein Machine Co., (Plain & Universal), 2850 Spring Grove av, Cincinnati, O.
Pratt & Whitney Co. (Horizontal & Vertical), Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Quincy-Manchester-Sargent Co., Old Colony bldg, Chicago, Ill., & 90 West, New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
SHUSTER, F. B. CO. (Double End & Double Head for Butts & Rounding Both Ends of Wire), New Haven, Conn. (See adv. index, end of book)
Stark Tool Co., Waltham, Mass.
STRONG, CARLISLE & HAMMOND Co., 336 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Sutton, C. E. Co. (Plain), Toledo, O.
Thurston Mfg. Co. (Jewelers'), Providence, R. I.
Tindel-Morris Co. (Crankshaft), Eddystone, Pa. & Ellwood City, Pa.
Underwood, H. B. & Co. (Portable), 1025 Hamilton, Phila., Pa.
Waltham Watch Tool Co. (Van Norman Duplex Universal & Bench), Springfield, Mass.
Warner & Swasey Co. (Valve), Cleveland, O.
Wickes Bros. (Heavy), Saginaw, Mich.

Milling, Drilling & Tapping Machines (Radiator Loop)

Cincinnati-Bickford Tool Co., Cincinnati, O.
Needham, A. W., 110 E. 43d, New York.
Niles-Bement-Pond Co., 111 B'way, New York

Milling Machines (Bench)

American Watch Tool Co., Waltham, Mass.
Burke Machinery Co. (also with Power Feed), Cleveland, O.
Chicago Machine Tool Co., Chicago, Ill.
Hardinge Bros. ("Cataract"), 1034 Lincoln av, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.
Rivett Lathe Mfg. Co., Brighton, Boston, Mass.
Sloan & Chace Mfg. Co., Newark, N. J.
STARK TOOL CO. ("Stark"), Waltham, Mass. (See adv. index, end of book)
Waltham Watch Tool Co., Springfield, Mass.

Milling Machines (Double Head)

Beaman & Smith Co., Providence, R. I.
Espen-Lucas Machine Works, Phila., Pa.
Fox Machine Co., Grand Rapids, Mich.
Garvin Machine Co., Spring & Varick, New York
Newton Machine Tool Works, Phila., Pa.
Owen Machine Tool Co., Springfield, O.
Pratt & Whitney Co., Hartford, Conn.

Milling Machines (Hand)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chicago Machine Tool Co., Chicago, Ill.
Dalin Bros., Rockford, Ill.
Fox Machine Co., Grand Rapids, Mich.
Garvin Machine Co., Spring & Varick, New York
Morton Mfg. Co., Muskegon Heights, Mich.
Pratt & Whitney Co., Hartford, Conn.
Whitney Mfg. Co. (Hand & Weight, Feed & Friction Tapping Device), Hartford, Conn.

Milling Machines (Lincoln)

Becker Milling Machine Co., Hyde Park, Mass.
Carter & Hakes Machine Co., Winsted, Conn.
Chicago Machine Tool Co., Chicago, Ill.
Cook, Asa S. Co. ("Colt" Pattern), 80 Huyshope av, Hartford, Conn.
Garvin Machine Co., Spring & Varick, New York
Hendley Machine Co. (and Double Head Lincoln), Torrington, Conn.
Kempsmith Mfg. Co., Milwaukee, Wis.

Milling Machines (Manufacturing)

Kearney & Trecker ("Milwaukee" for Heavy Duty), 59th & National av, Milwaukee, Wis.

Milling Machines (Plain Column Type)

Aurora Tool Works (Horizontal Spindle), Providence, R. I.
Beaman & Smith Co. (Horizontal Spindle), Providence, R. I.
Brown & Sharpe Mfg. Co. (Horizontal Spindle), Providence, R. I.
Cincinnati Milling Machine Co. (Horizontal Spindle), Cincinnati, O.
Fox Machine Co. (Horizontal Spindle), Grand Rapids, Mich.
Garvin Machine Co. (Horizontal Spindle), Spring & Varick, New York
Kearney & Trecker (Horizontal Spindle), Milwaukee, Wis.
Kempsmith Mfg. Co. (Horizontal Spindle), Milwaukee, Wis.
Le Blond, R. K. Machine Tool Co. (Horizontal Spindle), Cincinnati, O.
Oesterlein Machine Co. (Horizontal Spindle), Cincinnati, O.
Owen Machine Tool Co. (Horizontal Spindle), Springfield, O.
Sellers, Wm. & Co. (Horizontal Spindle), 1600 Hamilton, Phila., Pa.
Sutton, C. E. Co. (Horizontal Spindle), Toledo, Ohio

Milling Machines (Planer Type)

Beaman & Smith Co. (Vertical & Horizontal Spindles), Providence, R. I.
Becker Milling Machine Co. (Horizontal & Vertical Spindle), Hyde Park, Mass.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Burr, John T. & Sons (Horisontal & Vertical Spindles), Brooklyn, N. Y.
Espen-Lucas Machine Works (Slab Type), Phila., Pa.
Ingersoll Milling Machine Co. (Vertical & Horisontal Spindles), Rockford, Ill.
Newton Machine Tool Works (Vertical & Horizontal Spindles), Phila., Pa.
Niles-Bement-Pond Co. (Vertical & Horizontal Spindles), 111 B'way, New York
Pratt & Whitney Co. (Horizontal & Vertical Spindles), Hartford, Conn.
Sellers, Wm. & Co. (Vertical & Horizontal Spindles), 1600 Hamilton, Phila., Pa.

Milling Machines (Universal)

Aurora Tool Works, Aurora, Ind.
Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
FOOTE BROS. GEAR & MACHINE Co. ("James Foote"), 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
Garvin Machine Co., Spring & Varic, New York
Hendey Machine Co., Torrington, Conn.
Kearney & Trecker, Milwaukee, Wis.
Kempsmith Mfg. Co., Milwaukee, Wis.

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Le Blond, R. K. Machine Tool Co., Cincinnati, Ohio
Newton Machine Tool Works, Phila., Pa.
Oesterlein Machine Co., Cincinnati, O.
Owen Machine Tool Co., Springfield, O.
STARK TOOL CO. ("Stark," Pinion & Wheel Cutter Combined), Waltham, Mass. (See adv. index, end of book)
Waltham Watch Tool Co., Springfield, Mass.

Milling Machines (Valve)

American Tool & Machine Co., 109 Beach, Boston, Mass.

Milling Machines (Vertical Spindle, Column Type)

Beaman & Smith Co. (Three Spindle), Providence, R. I.
Becker Milling Machine Co., Hyde Park, Mass.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Clough, R. M., Tolland, Conn.
Garvin Machine Co., Spring & Varick, New York
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Ingersoll Milling Machine Co., Rockford, Ill.
Johnson, Israel H., Jr. Co., Phila., Pa.
Kearney & Trecker, Milwaukee, Wis.
Newton Machine Tool Works, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Sellers, Wm. & Co., 1600 Hamilton, Phila., Pa

Milling Machines (Worm)

Cleveland Automatic Machine Co. (Automatic), Cleveland, O.

Mine Timber Framing Machines

Denver Engineering Works Co., Denver, Colo.
Hendy, Joshua Iron Works, San Francisco, Cal.

Mine Ventilating Machinery

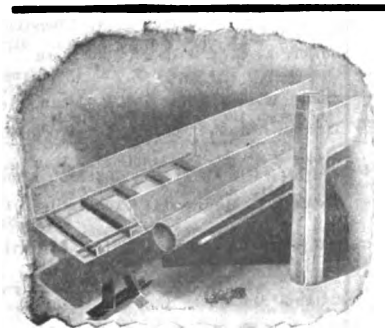
(See Fans, Mine Ventilating)

Mining Machinery

(See also Coal Mining Machinery)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
Albany Iron Works, Albany, Ore.
Allentown Rolling Mills, Allentown, Pa.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co., Basic City, Va.
American Machine & Mfg. Co., Cleveland, O.
Arizona & Sonora Mfg. Co. (Sectional), Nogales, Ariz.
Ashland Iron Works, Ashland, Ore.
Atlanta Machine Works (Gold), Atlanta, Ga.
Aurora Foundry & Machine Works (Complete Line), Aurora, Mo.
Austin Mfg. Co. (Crushers'), Manhattan bldg, Chicago Ill.; Works, Harvey, Ill.
Bacon, Earle C., Havemeyer bldg, New York
Barker, Samuel G. & Son, Scranton, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BRADLEY PULVERIZER CO. ("Griffin Mill"), 92 State, Boston, Mass.
Caird Engineering Works, Helena, Mont.
Chalmers & Williams, Commercial Nat'l Bank bldg, Chicago, Ill.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Colorado Iron Works Co., Denver, Colo.
Currier, Cyrus & Sons, Newark, N. J.
Danville Foundry & Machine Co., Danville, Ill.
Davis, F. M. Iron Works Co., Denver, Colo.
Denver Engineering Works Co. (Electric, etc.), Blake c 30th, Denver, Colo.
Du Bois Iron Works, Du Bois, Pa.
Erie City Iron Works, Erie, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Farrel Foundry & Machine Co., Ansonia, Conn.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Fulton Engine Works, Los Angeles, Cal.
Galena Iron Works Co., Galena, Ill.
Globe Iron Works (Inc.), Stockton, Cal.
Golden State & Miners Iron Works, San Francisco, Cal.
Goodman Mfg. Co. (Electric), 48th pl & Halsted, Chicago, Ill.
Great Lakes Engineering Works, Detroit, Mich.
Hammond Mfg. Co., Portland, Ore.
Harron, Rickard & McCone (Inc.), San Francisco, Cal.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy, Joshua Machine Works, San Francisco, Cal.
Henshaw-Buckley & Co., San Francisco, Cal.
Herzler & Henninger, Belleville, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Interstate Engineering Co., Bedford, O.
Jackson, Byron Machine Works, 411 Market, San Francisco, Cal.
Jackson & Church Co. (Coal, etc.), Saginaw, Mich.
JEFFREY MFG. CO. (Coal, etc.), Columbus, Oo. (See adv. index & branch offices, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Krogh Mfg. Co., San Francisco, Cal.
Krom Machine Works, 170 B'way, New York; Works: Jersey City, N. J.
Lake Shore Engine Works (Coal, etc.), Marquette, Mich.
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
LIDGERWOOD MFG. CO., 96 Liberty, New York. (See adv. index & branch offices, end of book)
Llewellyn Iron Works, Los Angeles, Cal.
McFarlane, Peter & Sons Iron Works Co., Denver, Colo.
Marine Iron Co., Bay City, Mich.
Marinette Iron Works Mfg. Co., Marinette, Wis.
Mecklenburg Iron Works (Gold, etc.), Charlotte, N. C.
Merralls Mill Co., San Francisco, Cal.
Mill & Smelter Engineering Co., 114 Liberty, New York
Mine & Smelter Supply Co., Denver, Col.
Montgomery, J. H. Machinery Co. (New & Second Hand), 1220 Curtis, Denver, Col.
Morgan-Gardner Electric Co. (Coal, etc.), 2640 Shields av, Chicago, Ill.
Morris County Machine & Iron Co., Dover, N. J.
Mullen, John & Son (Coal, etc.), Shamokin, Pa.
National Iron Works, Spokane, Wash.
Northwestern Iron Works, Seattle, Wash.
ORE DRESSING MACHINERY CO. (Complete Concentrating Plants), 114-118 Liberty, New York
Ottumwa Iron Works (Coal, Gold & Silver), Ottumwa, Ia.
Pass City Foundry & Machine Co., El Paso, Tex.
Phoenix Iron Works, Portland, Ore.
Portage Lake Foundry & Machinery Co., Hancock, Mich.
Portland Iron Works, Portland, Ore.
Power & Mining Machinery Co., Cudahy, Wis.
Prescott Co., Menominee, Mich.
Prescott, Fred. M. Steam Pump Co., Milwaukee, Wis.
Prox, Frank Co., Terre Haute, Ind.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Raymond Bros. Impact Pulverizer Co., 143 Laflin, Chicago, Ill.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Riverside Iron Works Co., Kansas City, Kan.
Robins Conveying Belt Co., Passaic, N. J.
Rogers, Jno. M. Boat Gauge & Drill Co., Gloucester City, N. J.
Salt Lake Engineering Works, Salt Lake City, Utah
SCHULE, F. H. CO. (Wet & Dry Concentrating Plants), 114-118 Liberty, New York. (See adv. index, end of book)
Scottdale Foundry & Mach. Co., Scottdale, Pa.
Silver Bros. Iron Works Co., Salt Lake City, Utah
Silver, Hynum A., Fdry. & Machine Co., Salt Lake City, Utah
Steiger & Kerr Stone & Foundry Co., San Francisco, Cal.
Stroh, W. H. (Est. of) (Coal, etc.), Mauch Chunk, Pa.
Strothman Iron Co., Superior, Wis.
STROUD, E. H. & CO. (Pulverizers), 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Sturtevant Mill Co., Clayton c Park, Dor., Boston, Mass.
Sullivan Machinery Co., Railway Exch bldg, Chicago, Ill.
Suppes Forge & Foundry Co., Johnstown, Pa.
Tamaqua Mfg. Co., Tamaqua, Pa.
Traylor Engineering Co., Allentown, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
Union Iron Works Co. (Gold, Silver, etc.), San Francisco, Cal.
Union Iron Works (Inc.), Spokane, Wash.
United Iron Works, Oakland, Cal.
United Iron Works Co., Joplin, Mo.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Utah Mining Machinery & Supply Co. (Callow Settling Tanks, Traveling Belt Screens, etc.), Salt Lake City, Utah
Vulcan Iron Works, San Francisco, Cal.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Iron Works Co., Seattle, Wash.
Webb City & Carthage Foundry & Machine Works, Webb City, Mo.
Wellman-Seaver-Morgan Co. (All Kinds), Cleveland, O.
Whitcomb, Geo. D. Co., Rochelle, Ill.
Willamette Iron & Steel Works, Portland, Ore.
Wisconsin Engine Co., Corliss, Wis.

HYDRAULIC MINING SUPPLIES

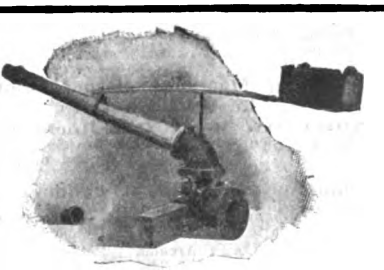


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Mining Machinery (Electric)

(See Coal Mining Machinery, Electric)

Mining Machinery (Hydraulic)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
Hendy, Joshua Iron Works, San Francisco, Cal.
Prescott, Fred M. Steam Pump Co., West Allis, Wis.

Mining Machines

(See Coal Cutting Machines)

Mining & Crushing Machinery (Portable)

ALLIS-CHALMERS CO., **Milwaukee**, Wis. (See adv. index & branch offices, end of book)

Minting Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Mitre Blanking Machines

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

Mitre Cutting Machines

Loy & Mawrath Co. (Iron Metal), Newark, N. J.

Mitre Sawing & Clamping Machines

Sheldon, E. H. & Co., 84 N May, Chicago, Ill.

Mitreing Machines

American Woodworking Machinery Co., Rochester, N. Y.; West St. Bldg., New York
Beach, H. W., Montrose, Pa.
Bentel & Margedant Co. (Spoke), Hamilton, O.
Brandon Machine Co. (Mitreing Machine & Vise Combined), Akron, O.
Chandler & Price Co. (For Printers' Brass or Metal Rule, etc.), Cleveland, O.
Eureka Electric Mitre Machine Co. (Electric), Bloomington, Ill.
Fay, J. A. & Egan Co., Cincinnati, O.
Fox Machine Co., Grand Rapids, Mich.
Grammes, L. F. & Sons (Mitre Saws), Allentown, Pa.
Hoe, R. & Co., 504 Grand, N. Y.
Kirk Grindstone Co., Cincinnati, O.
Marsh, H. C., Rockford, Ill.
Power, L. & Co. (Mitre Saws), 20 S 23d, Phila., Pa.
Seymour & Whitlock (Foot & Hand Power), Newark, N. J.
Smith, H. B. Machine Co., Smithville, N. J.
Spilker, B. J. Mfg. Co., Cincinnati, O.
Walter's, Wm. P. Sons (And Vise Combined), 1233 Market, Phila., Pa.
Wesel, F. Mfg. Co., 10 Spruce, New York

Mitreing Machines (Paper, Cloth & Leather)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Mixing Machinery

(See Concrete Mixers; also Paint Grinding & Mixing Machines; also Mixers, Various Kinds)

Moistening Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Molding Machines (Foundry)

Adams Company ("The Farwell Universal Automatic & Multiple"), Dubuque, Iowa
Arcade Mfg. Co. ("Arcade," "Modern," for Small Castings; also "Norcross," Jolt Ramming Machines), Freeport, Ill.
Berkshire Mfg. Co. ("Berkshire" Automatic), Cleveland, O.
Bryan Vacuum Moulding Machine Co. (For Bench Moulding Only), Buffalo, N. Y.
Bryant, O. Sons & Co. 1453 Niagara, Buffalo, N. Y.
Buck's, A. Sons Co. (Gravity Moulder), Elizabethtown, Pa.
Buffalo Foundry Supply Co., 339 Babcock, Buffalo, N. Y.
Delano, E. A. Co. (for Pulley Molding, etc.), 150 E. Huron, Chicago, Ill.
Demmler, Wm. & Bros. (Vibrating), Kewanee, Ill.
Griffith Mfg. Co., Beloit, Wis.
Hanna Engineering Works ("Rathbone"), 820 Elston av, Chicago, Ill.
Herman Pneumatic Machine Co. ("Herman" Pneumatic Jarring), Zellenople, Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Killing, E. Moulding Machine Works ("Killing"), Davenport, Ia.
McCormack, J. S. Co., 25th & A. V. ry, Pittsburg, Pa.
Mitchell-Parks Mfg. Co. (Gravity Molder), St. Louis, Mo.
Mumford, E. H. Co. (Power Roll-Over & Pneumatic Vibrating), 1223 Spring, Phila., Pa.
Norcross Molding Machine Co. ("Norcross" Jar Ramming), Terre Haute, Ind.
Oregon Foundry & Machine Co. ("Stratton"), Oregon, Ill.
OSBORN MFG. CO. ("Osborn"), 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)
Paxson, J. W. Co., 1021 N Delaware av, Phila., Pa.
Pridmore, Henry E., 918 S Rockwell, Chicago, Ill.
Racine Engine & Machine Co. ("Racine"), Racine, Wis.
Reynolds & Co., New Haven, Conn.
Richmond Foundry & Mfg. Co., Richmond, Va.
Rowlands Machine Co., Racine, Wis.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Syracuse Malleable Iron Works ("Burns Economic" & "Blake Roll-Over"), Syracuse, N. Y.
Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
Taylor-Wilson Mfg. Co. (For Gears, etc.), McKees Rocks, Pa.
Turnbull, R. E., 246 W 61st, Chicago, Ill.
Turner Machine Co. ("McCanna," for Brass & Iron), 2040 N 2d, Phila., Pa.
Van Tine Molding Machine Co., Elizabeth, N. J.
Webb, J. F. Mfg. Co. (Portable Pneumatic), Davenport, Ia.
Webster & Perks Tool Co., Springfield, O.

Molding Sander Machines

Austin & Eddy ("Pioneer"), 117 Broad, Boston, Mass.
Yerkes & Finan Doow Washing Machine Co., St. Louis, Mo.

Monitor Machines

Pratt & Whitney Co. (Made Only to Order), Hartford, Conn.

Mortar Mixing Machinery

(See Concrete Mixers)

Mortising Machines

(Mortising Machines are classified under the Kind Descriptive Thereof)

Mosaic Cutting Machinery

Patch, F. R. Mfg. Co. (For Cutting Mosaic Blocks), Rutland, Vt.
Roussel, Albert C., 524 W 50th, New York

Mosaic & Tile Floor Polishing Machines

Patch, F. R. Mfg. Co., Rutland, Vt.

Moving Picture Machines

American Moving Picture Machine Co., 102 Beekman, New York
Chicago Projecting Co., 225 Dearborn, Chicago, Ill.
Kleine Optical Co., 52 State, Chicago, Ill.
Phonograph Co. of America (For the Home), 54 Bank, New York

Multigraph Machines

American Multigraph Sales Co. ("The Gammeter Multigraph," for Printing Office Forms, Fac-Simile Letters, etc.), Case av & Kelly, Cleveland, O.

Muscle Testing & Lifting Machines

Rosenfield Mfg. Co., 585 Hudson, New York

Music String Machinery

Leffler, Chas. & Co., 63 Clymer, Brooklyn, N. Y.

Nail Mill Machinery

Ford & Donnelly, Kokomo, Ind.
Keaty, Chas. C., Sunbury, Pa.
Kilby Mfg. Co. (Wire, etc.), Cleveland, O.
Miller's, H. J. Sons (Wire), Bridgewater, Mass.
National Machinery Co. (Wire), Tiffin, O.
Perkins, Henry Co. (Wire), Bridgewater, Mass.
Turner, Vaughn & Taylor Co., Cuahoga Falls, Ohio
Walton & Mackee, Kokomo, Ind.

Nail Oxidizing Machines

Marquette, John N., 509 S Eden, Baltimore, Md.

Nail Pulling Machines

(See Pullers, Nail)

Nailing Machines

(See Box Nailing Machines; also Hoop Nailing Machines)

Name Plate Embossing Machines

Roovers Mfg. Co., 170 B'way, New York
Schwerdtle Stamp Co., 41 Cannon, Bridgeport, Conn.
Simplex Mfg. Co., 90 West, New York

Needle Forming Machines

SHUSTER, F. B. CO. (Lingoe & Jacquard, Automatic), New Haven, Conn. (See adv. index, end of book)

Needle Machinery (Sewing Machine)

Langelier Mfg. Co., 67 Clifford, Providence, R. I.

Netting Machines

Fowler Net & Twine Co., 107 S. 2d, Phila., Pa.

Nipple Threading Machines

Landes Machine Co., Waynesboro, Pa.
MURCHEY MACHINE & TOOL CO. ("Murchey," Automatic), 52 Porter e 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)

Notching Machines

American Can Co., Merchants' Loan & Trust bldg., Chicago, Ill.
BLISS, E. W. CO. (Armature), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Leffler, Chas. A. & Co. (Also Bench Notching Machinery for Pierced Tin Ware, Can. Boxes, etc.), 63 Clymer, Brooklyn, N. Y.
Long & Allstatter Co. (Disc Armature with Turret Tools), Hamilton, O.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.

Nougat Cutting Machines

Rittenhouse, Frank, Norristown, Pa.

Numbering Machines

American Numbering Machine Co., 291 Essex, Brooklyn, N. Y.
AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)
Bates Machine Co. ("Bates" Automatic), 696 Jamaica av, Brooklyn, N. Y.
Bates Mfg. Co., Orange, N. J.
Butler, A. G., 284 Pearl, New York
Cushman & Denison Mfg. Co. ("Reliance"), 240 W 23d, New York
Force, W. A. & Co., 50 Beekman, New York
Haynes & Co., Providence, R. I.
Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
Peerless Stamp & Stencil Co., Muncie, Ind.
Smith, R. H. Mfg. Co., 293 Main, Springfield, Mass.
Stewart & Hollhand ("Premier"), 201 B'way, New York

Numbering & Paging Machines

Hoole Machine & Engraving Works ("Champion"), 29 Prospect, Brooklyn, N. Y.
Latham Machinery Co., 190 S Canal, Chicago, Ill.
Sheridan, T. W. & C. B. Co., 56 Duane, New York

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Nut Blanking Machines

National Machinery Co., Tiffin, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Nut Burring Machines

National Machinery Co., Tiffin, O.

Nut Facing Machines

Acme Machinery Co., Cleveland, O.
Detrick & Harvey Machine Co., 508 E Preston, Baltimore, Md.
National Machinery Co., Tiffin, O.
Newton Machine Tool Works (Inc.), 2347 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Victor Tool Co. ("Victor"), Waynesboro, Pa.

Nut Finishing Machines

Pawtucket Mfg. Co., Pawtucket, R. I.

Nut Machinery

(See Bolt & Nut Machinery)

Nut Machines (Hot Pressed)

Acme Machinery Co. (Automatic), Cleveland, O.
AJAX MFG. CO. (Automatic), 3330 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
National Machinery Co., Tiffin, O.

Nut Milling Machines

NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
National Machinery Co., Tiffin, O.
Newton Machine Tool Works Co. (Inc.), 2347 Vine, Phila., Pa.

Nut Tapping Machines

Acme Machinery Co. (Automatic), Cleveland, O.
Automatic Machine Co., Bridgeport, Conn.
Brown, H. B. Co., East Hampton, Conn.
Detrick & Harvey Machine Co., Baltimore, Md.
Ellers, H. P. Mfg. Co., Cleveland, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Landis Machine Co., Waynesboro, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Norwalk Mfg. Co., Norwalk, O.
Pawtucket Mfg. Co. (2, 3, 4, 6 & 9 Spindles), Pawtucket, R. I.
Pneumatic Nut Machinery Co. (Automatic Air-Controlled), Cleveland, O.
Putnam Machine Co., Fitchburg, Mass.
Reece, F. F. Co., Greenfield, Mass.
Reed, Francis Co. (Upright, 2 to 4 Spindles for ¼-in. Nuts and under), Worcester, Mass
Webster & Perks Tool Co., Springfield, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Nut Tapping Machines (Multiple Spindle)

Acme Machinery Co., Cleveland, O.
Detrick & Harvey Machine Co., Baltimore, Md.
Pawtucket Mfg. Co., Pawtucket, R. I.
Reed, Frances Co., Worcester, Mass.

Oat Meal Machinery

BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. index, end of book)
Invincible Grain Cleaner Co. (Cleaning, Grading & Packing), Silver Creek, N. Y.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Willamette Iron & Steel Works, Portland Ore.

Oats & Rice Clipping Machines

Huntley Mfg. Co. ("Monitor" Dustless), Silver Creek, N. Y.

Oil Cake Packing Machines

French Oil Mill Machinery Co., Piqua, O.

Oil Cake Trimming Machines

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Oil Cloth Machinery

Currier, Cyrus & Sons, Newark, N. J.
Dienelt & Eisenhardt, 1308 N Howard, Phila., Pa
Moore & White Co. (Oil Cloth Printing Machines), 15th & Lehigh av, Phila., Pa.
Waldron, Jno. Co., New Brunswick, N. J.

Oil Mill Machinery

Atlanta Utility Works, Atlanta, Ga.
Burrell Mfg. Co., 251 S Jefferson, Chicago, Ill.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Callahan, W. P. & Co., 901 E. 3d, Dayton, O.
Chickasaw Iron Works, Memphis, Tenn.
French Oil Mill Machinery Co. (Oil Cake Trimming & Packing), Piqua, O.
Hardie Tynes Mfg. Co., Birmingham, Ala.
Lombard Iron Works & Supply Co., Augusta, Ga
PLATT IRON WORKS CO. (Cotton, Linseed, etc.), Dayton, O. (See adv. index & branch offices, end of book)
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Oil Well Machinery

(See Well Drilling Machinery)

Oil & Waste Saving Machines

Oil & Waste Saving Machine Co., Real Estate Exchange bldg., Phila., Pa.

Oleo & Lard Rendering Machinery

Redfield, Rob't S. & Co., 26 Cortlandt, New York; Factory: Elizabeth, N. J.

Onion Topping & Sorting Machines

Brooman, W. F. & Son, Painesville, O.

Opticians' Machines

(See Jewelers' & Opticians' Machines & Tool)

Ore Concentrating Machinery

(See Concentrators, Ore)

Ore Dressing Machinery

ORE DRESSING MACHINERY CO., 114-118 Liberty, New York
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Ore Handling Machinery

(See Coal & Ore Handling Machinery)

Ore Reduction Machinery

Wellman-Seaver-Morgan Co., Cleveland, O.

Ore Washing Machinery

American Concentrator Co. (For Iron Ore, etc.), Joplin, Mo.
Comstock, Geo. S., Mechanicsburg Pa.
McLanahan Stone Machine Co., Hollidaysburg, Pa.
Mine & Smelter Supply Co., Denver, Colo.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Tamaqua Mfg. Co., Tamaqua, Pa.

Oyster Canners' Machinery

Renneburg, E. & Sons, Baltimore, Md.
PRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

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Joslin, Schmidt & Co. (For Working up Waste Products), Cincinnati, O.
KUTZTOWN FOUNDRY & MACHINE Co., 116 N Broad, Phila., Pa. (See adv. index & branch offices, end of book)
Murray Iron Works Co. (Choppers, Stuffers, Mixers, Rockers, Presses, etc.), Burlington, Iowa
Perrin, Wm. R. & Co., 40th & Loomis, Chicago, Ill.
Redfield, Rob't S. & Co., 26 Cortlandt, New York; Factory: Elizabeth, N. J.
Riverside Foundry & Machine Works, Riverside, Cal.
Riverside Iron Works, Kansas City, Kas.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.

Packing Machines

(See also Bag Filling Machines)

ALLIS-CHALMERS CO. (Flour, etc.), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Barnard & Leas Mfg. Co. ("Eureka" Sugar, Flour, Bran, etc.), Moline, Ill.
Campbell, P. F. ("Richmond" Flour), 55 Laurel Phila., Pa.
Eureka Bark Mill Co. (Tan Bark), Lancaster, Pa.
Girard Machine Works (Inc.), 2616 Girard av., Phila., Pa.
Howes, S. Co. (Cement), Silver Creek, N. Y.
Huntley Mfg. Co., ("Monitor," for Flour, Bran, etc.), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Nordyke & Marmon Co. (Bran, Flour, Sack, etc.), 1101 W. Morris, Indianapolis, Ind.
Ross, Chas. & Son Co. (Barrel, etc.), 148 Classon av, Brooklyn, N. Y.
SPROUT, WALDRON & CO. (For Flour, Bran, Feed, etc.), Muncy, Pa. (See adv. index, end of book)
Woolson & Deck Co. ("No Dust" Bag Packers), Wayne, N. J.

Pail Handle Machines

Gerlach, Peter Co., Columbus rd & Winter, Cleveland, O.
Goodspeed Machine Co., Winchendon, Mass.
Kline, Lewis T., Alpena, Mich.

Pail Machinery

(See Tub & Pail Machinery)

Paint Can Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Paint Grinding & Mixing Machinery

(See also Mills, Grinding; also Machinery, Pulverizing)

Acton, John, 118 John, Brooklyn, N. Y.
BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. index, end of book)
Berrill's, J. A. Sons, Waterville, N. Y.
Campbell, P. F., 55 Laurel, Phila., Pa.
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Holmes & Blanchard Co., Boston, Mass.
Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Nebel, M. A., 72 Grand av, Brooklyn, N. Y.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Raymond Bros., Impact Pulverizer Co., 143 Laflin, Chicago, Ill.
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del Solar, J. A., 108 Fulton, New York
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Hardie Mfg. Co. (Pneumatic), Hudson, Mich.
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Fuller-Saxton Co., Drexel bldg, Phila., Pa.
Rau, Emanuel (Seed Bag, etc.), 136 Thompson, New York
Rittenhouse, C. & Sons, Norristown, Pa.
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Griswold, Geo. M., 35 Union, New Haven, Conn.
Herrick & Cowell, New Haven, Conn.
Hinze, H., Tribune bldg, New York
Hobbs Mfg. Co. (Folding Machines), Worcester, Mass.
Inman Mfg. Co., Amsterdam, N. Y.
Jacques, John & Son, Worcester, Mass.
Kingsbury & Davis Machine Co. ("Standard" Automatic Double End Setting), 102 Pearl, Boston, Mass. Works, Contoocook, N. H.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Leffer, Chas. & Co. (Metal Edge), 63 Clymer, Brooklyn, N. Y.
Marshall, Son & Co. (Gauge Table Shears, etc.), 226 Purchase, Boston, Mass.
Metcalf, J. C. Paper Box Machinery Co., 102 Pearl, Boston, Mass.
National Metal Edge Box Co., 8th & Willow, Phila., Pa.
Rau, Emanuel & Sons, 211 Center, New York
Robinson, John T. Co., Hyde Park, Mass.
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Chicago Paper Tube & Can Co. ("Williams," for Round Paper Cans & Boxes), 20 N May, Chicago, Ill.

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Challenge Machinery Co. (Lever & Power), Grand Haven, Mich.

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Child Acme Cutter & Press Co. ("Acme" Self-Clamping), 37 Kemble, Rox., Boston, Mass.

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Dexter Folder Co., Pearl River, N. Y.

Eclipse Paper Folding Machine Co., Sidney, O.

Fuller, E. C., 28 Reade, New York

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Sheridan, T. W. & C. B. Co., 56 Duane, New York

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Dick, A. B. Co. (For Office Use), 161 W Jackson boul, Chicago, Ill.

Universal Folding Machine Co. ("Universal" formerly "Nind"), Old Colony bldg, Chicago, Ill.

Paper Napkin Machinery

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Paper Pail Machinery

Dayton Machine Works, Dayton, O.

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Stocker, J. W. (For Color Cards, etc.), 510 Schubert av, Chicago, Ill.

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Dietz Machine Works, 126 Fountain, Phila., Pa.

Hobbs Mfg. Co., Worcester, Mass.

Fales, L. F. (Paper Slitting), Walpole, Mass.

Jacques, Jno. & Son (Slitting Only), Worces-

Kidder Press Co., Dover, N. H. ter, Mass.

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

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Marshall, Son & Co. (For Roll Paper), Boston, Mass.

Meisel Press & Mfg. Co., Boston, Mass.

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Pioneer Iron Works. 149 Pioneer, Brooklyn, N. Y.

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Brownell, G. L., Worcester, Mass.

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Bagley & Sewall Co., Watertown, N. Y.

Bellows Falls Machine Co. ("Smith's"), Bellowe Falls, Vt.

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Beloit Iron Works, Beloit, Wis.
Bess Machine Co., Hamilton, O.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
Black & Clawson Co., Hamilton, O.
Brownville Iron Works, Brownville, N. Y.
Carthage Machine Co., Carthage, N. Y.
Clark, H. C. & Son Machine Co., Lee, Mass.
Currier, Cyrus & Sons (Paper Mill Machinery), Newark, N. J.
Dayton Globe Iron Works Co., Dayton, O.
Dexter Folder Co., Pearl River, N. Y.
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works, Fulton, N. Y.
Dix Foundry & Machine Co., Glens Falls, N. Y.
Downingtown Mfg. Co., East downington, Pa.
Emerson Mfg. Co., Lawrence, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.
Friction Pulley Q Machine Works, Sandy Hill, N. Y.
Fulton Machine & Vise Co., Lowville, N. Y.
Hankey, A. & Co. (Paper Mill Engines, Bars & Plate), 2235 Vine, Phila., Pa.
Holyoke Machine Co., Holyoke, Mass., & Worcester, Mass.
Horne, J. H. & Sons Co., Lawrence, Mass.
Hutchinson, C. H., Manchester, N. H.
Improved Paper Machinery Co., Nashua, N. H.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jolly, J. & W., Holyoke, Mass.
Jones, E. D. & Sons Co., Pittsfield, Mass.
Keyes, F. E. & Son, 20 Broad, New York
Kidder Machine Co., Franklin Falls, N. H.
Koegel, Chas. & Son, Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
Moore & White Co., 15th & Lehigh av, Philadelphia, Pa.
Nebel, M. A., 72 Grand av, Brooklyn, N. Y.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Penney, J. W. & Sons Co., Mechanics' Falls, Me.
Perkins, B. F. & Son, Holyoke, Mass.
Portland Co., Portland, Me.
Portland Iron Works (Inc.), Portland, Oregon
Pusey & Jones Co., Wilmington, Del.
Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.
Scott, Olin, Pennington, Vt.
Seybold Machine Co., Dayton, O.
Shartle Bros. Machine Co., Middletown, Ohio.
Smith & Winchester Mfg. Co., South Windham, Conn.
Stillman, L. H., Brattleboro, Vt.
Taylor Bros. & Co. (Engine Bars & Plates), Fulton, N. Y.
Thompson Mfg. Co., Lancaster, N. Hf
Ticonderoga Machine Works, Ticonderoga, N. Y.
Townsend Furnace & Machine Shop Co., Albany, N. Y.
Turners Falls Machine Co., Turners Falls, Mass.
Union Iron Works, Bangor, Me.
Unkon Machine Co., Fitchburg, Mass.
Valley Iron Works Co., Appleton, Wis.
WERNER & PFLEIDERER (Paper Pulp Machines, Rapid Dissolvers, etc.), Saginaw, Mich. (See adv. index, end of book)
Wetherill, Robert & Co., Chester, Pa.
Wheelwright Filler & Mfg. Co., Providence, R. I.
Windsor Locks Machine Co., Windsor Locks, Conn.

Papering Machines

KNOWLTON, M. D. CO. (Paper Box), Rochester, N. Y. (See adv. index, end of book)

Paraffine Coating Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Paraffining Machines

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Waldron, Jno. Co., New Brunswick, N. J.

Paste Mixing Machines

Acton, John, 118 John, Brooklyn, N. Y.
Day, J. H. Co., Cincinnati, O.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

Pasteurizing Machines

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Barry-Wehmiller Machy. Co. ("National"), 2042 Walnut, St. Louis, Mo.
Mangus, A. Sons & Co. ("Ruff's"), 244 E Randolph, Chicago, Ill.
Miller Pasteurizing Machine Co. ("Miller"), Canton, O.
Miller-Tyson Co., Canton, O.
Twentieth Century Machinery Co., Milwaukee, Wis.

Pasting Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Pattern Letter Plate Embossing Machines

(See Presses, Type Embossing)

Pattern Makers' Machinery

(See Lathes, Pattern Makers')

Pattern Shop Sawing Machines

Baker Bros., Toledo, O.
Hobbs Mfg. Co., Worcester, Mass.
Oliver Machinery Co. (Band Saws), Grand Rapids, Mich.
West Side Iron Works (Band Sawing Machines), Grand Rapids, Mich.

Pea Canners' Machinery

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Pea Harvesting Machinery

(See Harvesters, Bean & Pea)

Pea Hulling Machinery

Chisholm-Scott Co., Cadiz, O.

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Peach Pitting Machines

SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Peanut Machinery

Ayers, J. R., Petersburg, Va.
Cardwell Machine Co. (Pickers & Cleaners, Shellers & Separators), Richmond, Va.
Hench & Dromgold Co., Inc., York, Pa.
Johnson & Field Mfg. Co., Racine, Wis.
Stratton-Bragg (Pickers, Cleaners, etc.), Petersburg, Va.
Straub, A. W. & Co., Phila., Pa.

Peanut Roasting Machines

(See Coffee, Peanut & Cocoa Bean Roasting Machines)

Pearl Button Machinery & Tools

Holub-Dasha Co., 1790 1st av, New York
Northampton Emery Wheel Co., Leeds, Mass.
Skipp, Jas. & Son, Newark, N. J.

Peat Fuel Machinery

Commercial Artificial Fuel Co., Toledo, O.
Peatkoal Co., 30 Broad, New York
U. S. Peat Fuel Co., Ft. Dearborn bldg, Chicago, Ill.

Peeling Machines (Fruit & Vegetable)

(See Parers, Fruit & Vegetable)

Perforating Machines

Bates Machine Co., 606 Jamaica av, Brooklyn, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Burton's, A. G. Son, 133 Clinton, Chicago, Ill.
Cross & Speirs Machine Co. (Sheet Metal), Waterbury, Conn.
Cummins, B. F. Co. ("Chicago" Hand, for Check, R. R. Ticket Dating, etc.), 1411 W Ravenswood Park, Chicago, Ill.
Dewes, A. Co., 243 Centre, New York
Latham Machinery Co. (For Paper, etc.), 190 S Canal, Chicago, Ill.
Long & Allstatter (Sheet Metal), Hamilton, O.
National Perforating Machine Co., Nat'l Life bldg., Kansas City, Mo.
NIAGARA MACHINE & TOOL W'KS (For Sheet Metal), Buffalo, N. Y. (See adv index, end of book)
Waterbury Farrel Foundry & Machine Co. (For Metal), Waterbury, Conn.

Petroleum Can Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Pharmaceutical Machinery

Colton, Arthur, 184 Brush, Detroit, Mich.
Hall, Albert E., Indianapolis, Ind.
Remington Mfg. Co., Merchants' bldg, Phila., Pa.
Stokes, F. J. Machine Co. (Dryers, Stills, Kettles, Mills, Emulsifiers, Tablet, Pill & Capsule Machinery, etc), 17th & Cambria, Phila., Pa
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Phosphate Mill Machinery

Bailey-Lebby Co., Charleston, S. C.
Kehoe, Wm. & Sons, Savannah, Ga.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Walker & Elliott, Wilmington, Del.

Photo Engravers' Machinery

Royle, Jno. & Sons, Paterson, N. J.

Photo Printing Machines

Rondinella, L. F. ("Star" Sun & Electric), Phila., Pa.

Photograph Card Beveling Machines

Dietz Machine Works, 126 Fontain, Phila., Pa.

Photograph Machines

Chicago Ferrotype Co. ("Wonder Cannon" & "Wonder Automatic" Photo Button), 7 Blue Island av, Chicago, Ill.
National Photograph Machine Co., 85 Beaver, New York

Piano Action Machinery

Erlandsen, Julius, 172 Centre, New York
Nilson, A. H. Machine Co., Bridgeport, Conn.
Pryibil, P. (Est. of), 512 W 41st, New York

Piano & Music String Machinery

Leffler, Chas. & Co., 63 Clymer, Brooklyn, N. Y.

Pick Eye Forging Machines

Birmingham Iron Foundry, Derby, Conn.

Picket Heading & Pointing Machines

Defiance Machine Works, Defiance, O.
Hall & Brown Woodworking Machine Co., 1917 N B'way, St. Louis, Mo.

Picture Frame Machinery

McFarlan & Spilker Mfg. Co., 1052 Dorman, Cincinnati, O.
Marsh, H. C. (and Picture Frame Vise, Combined), Rockford, Ill.
Shawver Company (Oval Cutter, "Springfield"), Springfield, O.

Pie Making Machines (Automatic)

Colborne Mfg. Co., 31 E Indiana, Chicago, Ill.

Pig Iron Casting Machines

American Casting Machine Co., Pittsburg, Pa.
Heyl & Patterson, Pittsburg, Pa.
Weimer Machine Works, Co., Lebanon, Pa.

Pile Driving Machinery

(See also Engines, Pile Driving)

AMERICAN HOIST & DERRICK CO. St. Paul, Minn. (See adv. index & branch offices, end of book)
Bucyrus Co. (Railroad), S Milwaukee, Wis.
Byers, Jno F. Machine Co., Ravenna, O.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Contractors' Plant Mfg. Co., Buffalo, N. Y.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
MUNDY, J. S., 20 Prospect, Newark, N. J. (See adv. index and branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index, end of book)
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Toledo Foundry & Machine Co., Toledo, O.
Vulcan Iron Works, 59 Milwaukee av, Chicago, Ill.

Pill Coating Machines

Colton, Arthur (Gelatine, etc.), Detroit, Mich.
Stokes, F. J. Machine Co., 17th & Cambria, Phila., Pa.

Pill Making Machines

(See also Tablet Machines)

Colton, Arthur (Automatic), Detroit, Mich.
Day, J. H. Co., 1144 Harrison av, Cincinnati, O.
Stokes, F. J. Machine Co., 17th & Cambria, Phila., Pa.

Pill & Tablet Counting Machinery

Weiscopf, L. ("Economic"), 20 Vesey, New York

Pin Drilling Machines

AJAX MFG. CO. (Automatic, Multiple Spindle), 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)

Pin Machinery

(See Hook & Eye Machinery)

Pin Pointing Machinery

Baird Machine Co., Oakville, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Manville Bros. Co., Waterbury, Conn.

Pin Sticking Machines

Baird Machine Co., Oakville, Conn.

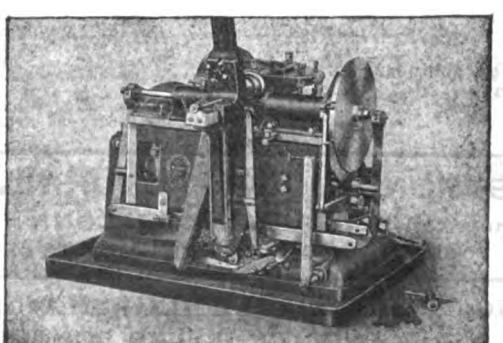
Pineapple Machinery

Mitchell, Jno. R. Co. (Graters, etc.), Baltimore, Md.
Lewis, E. J. (Peeling), Middleport, N. Y.
Sinclair-Scott Co., Baltimore, Md.
SPRAGUE CANNING MACHINERY Co. (For Canners), 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Stevenson & Co., Baltimore, Md.
Zastrow, Geo. W. ("Zastrow"), Baltimore, Md.

Pinion Cutting Machines

(See also Gear Cutting Machines)

STARK TOOL CO. (Automatic, Cuts Pinion 1-16 to 5-8), Waltham, Mass. (See adv. index, end of book)
WALTHAM MACHINE WORKS (Small Automatic), Waltham, Mass. (See adv. index, end of book)



Automatic Pinion

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Made in three sizes for watch, clock, meter and similar work; also for small gears, the largest size cutting up to 3 1-2 inches diameter.

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Pinion Polishing Machines

STARK TOOL CO. ("Stark," Rotary Leaf), Waltham, Mass. (See adv. index, end of book)

Pinion & Wheel Cutting Machines

STARK TOOL CO. (Cuts from 1-16 to 4 Inches in Diameter), Waltham, Mass. (See adv. index, end of book)

Pinking & Scalloping Machines

Ahlstrom, O. J., 711 B'way, New York
Durbrow & Hearne Mfg. Co., 12 Wooster, N. Y.
Lindner & Vradenburgh (Pinking), 239 Centre, New York
Osborne, C. S. & Co. ("C. S. O. & Co." Pinking Machines for Harness Makers, etc.), Harrison, N. J.
Rotary File & Machine Co. (Pinking Machines Only), 589 Kent av, Brooklyn, N. Y.
Stimpson, Edwin B. Co., 31 Spruce, New York

Pipe Bending Machines

Chester Engineering & Machine Co. ("P. & S."), Chester, Pa.
Chicago Pneumatic Tool Co. ("Chicago," Hand & Power), Fisher bldg, Chicago, Ill.
Standard Engineering Co., Ellwood City, Pa.
Stoever Foundry & Mfg. Co. ("Nenert"), Meyerstown, Pa.
Wallace Supply Co. (Hand Power), 23 S Jefferson, Chicago, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Wrigley, Thos. & Co., 309 Dearborn, Chicago, Ill.

Pipe Calking Machines

Smith, A. P. Mfg. Co. (Automatic), Newark, N. J.

Pipe Crushing & Shearing Machines (Combined)

United Engineering & Foundry Co., Pittsburg

Pipe Cutting & Die Grinding Machines

MURCHEY MACHINE & TOOL CO., 52 Porter c 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)

Pipe Cutting & Threading Machines

(See also Cutters, Pipe)

ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Bignall & Keeler Mfg. Co. ("Duplex," "Peerless" & "Peerless Special"), Edwardsville, Ill.
Borden Co. (Hand & Power Pipe Threading Machines, "Solid-Adjustable" Dies), Warren, O.
Clow, Jas. B. & Sons (Portable), 344 Franklin, Chicago, Ill.
Columbus Machine Co., Columbus, O.
Cox & Sons Co., 215 Race, Phila., Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Curtis & Curtis Co., Bridgeport, Conn.
Dayton Machine Works ("Victor" Cutting Machines Only), Dayton, O.
Detrick & Harvey Machine Co. (Pipe Threading Only), 508 E Preston, Baltimore, Md.
Fox Machine Co. (Cutting Machines Only), Grand Rapids, Mich.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Hart Mfg. Co. (Hand), Cleveland, O.
Heefer Mfg. Co. ("Hoefer" Adjustable Pipe Threading Machine), Freeport, Ill.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Loew Mfg. Co. ("Loew Victor"), Cleveland, O.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Merrill Mfg. Co. ("Apex," "Ideal"), Toledo, O.
Morris Engineering Co. ("Douglass" & "Eclipse" Portable Pipe Cutters up to 60 inch Pipe), 37th & Reed, Phila., Pa.
MURCHEY MACHINE & TOOL CO. (For Nipple & Pipe Threading; also Rapid Roller Pipe Cutters), 52 Porter c 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)
National Machinery Co. (Pipe Threaders), Tiffin, O.
Niles-Bement-Pond Co. ("Cox," "Williams" Hand & Power), 111 B'way, New York
Nye Tool & Machine Works ("Nye" Hand Power, 1 to 4 inches), 19 S Jefferson, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oster Mfg. Co., 2057 E 61st pl., Cleveland, O.
Patterson Tool & Supply Co. ("Victor"), Dayton, O.
PFAFF & KENDALL, FERRY & Foundry, Newark, N. J. (See adv. index, end of book)
San Francisco Engineering Co., San Francisco
Saunders, D. Sons ("I. X L."), Yonkers, N. Y.
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
Smith, A. P. Mfg. Co. ("French" Pipe Cutting Machines), Newark, N. J.
Standard Engineering Co. ("Standard Wieland"), Elwood City, Pa.
Stoever Foundry & Mfg. Co., Meyerstown, Pa.
Taylor-Wilson Mfg. Co. (For Pipe & Tube Mills, etc.), McKees Rocks, Pa.
Threading Machine Co. ("Little Wonder," "Sandusky" Plain & Ratchet Threading Machines), Sandusky, O.
Toledo Pipe Threading Machine Co., Toledo, Ohio
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wells, F. E. & Son Co. ("Wells"), Greenfield, Mass.
Williams Tool Co. (Pipe Cutting & Threading), Erie, Pa.

Pipe Expanding & Flanging Machinery

Patterson-Allen Engineering Co. (Hydraulic), 2 Rector, New York

Pipe Jointing Machines

Bertsch & Co., Cambridge City, Ind.

Pipe Polishing Machines

Standard Engineering Co., Ellwood City, Pa.

Pipe Threading Machines

(See Pipe Cutting & Threading Machines)

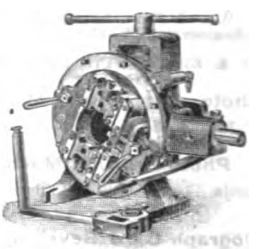
Pipe & Tube Mill Machinery

Fischer Foundry & Machine Co., Ford City, Pa.
Morgan Construction Co., Worcester, Mass.

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Rosedale Foundry & Machine Co., Allegheny, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Pipe & Tube Straightening Machines

Brightman Mfg. Co., Shelby, O.
Fischer Foundry & Machine Co., Ford City, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

Pitching Machines

Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
Gerlach, Peter Co., Cleveland, O.
Haggenmiller, Th. (Est. of) ("Haggenmiller"), 827 N 4th, Phila., Pa.
Kaestner & Co. (Inc.) ("Perfection"), 241 S Jefferson, Chicago, Ill.
National Machine Works, Sheffield & North av, Chicago, Ill.
Pawling & Harnischfeger, 38th & National avs, Milwaukee, Wis.
Rauch, Henry & Son (Inc.) ("Universal"), Mount Vernon, N. Y.
Torchiani, H. ("Ideal"), 245 Pearl, New York

Pivot Polishing Machines

STARK TOOL CO. ("Stark," Wig-Wag & Rotary Leaf), Waltham, Mass. (See adv. index, end of book)

Placer Mining Machinery

Bucyrus Co., South Milwaukee, Wis.
Risdon Iron & Locomotive Works, San Francisco, Cal.
United Iron Works, Oakland, Cal.

Planing Machines

(See Planers, Various Kinds)

Plaster Mill Machinery

BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Butterworth & Lowe (Inc.), Grand Rapids, Mich.
Dunning, W. D. ("Broughton" Plaster & Cement Mixers, etc.), Syracuse, N. Y.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.
Great Western Mfg. Co., Leavenworth, Kan.
SPROUT, WALDRON & CO. (Crushers, Grinders, etc.), Muncy, Pa. (See adv. index, end of book)
Standard Sand & Machine Co. (For Wall Plaster), Cleveland, O.
Sturtevant Mill Co. (Crushers, Grinders, Gypsum, etc.), Clayton c Park, Dor., Boston, Mass.
Wood Fibre Machinery Co. (For Wood Fibre Plaster), Sandusky, O.

Plaster of Paris Machinery

(See Plaster Mill Machinery; also Stucco Machinery)

Plate Glass Machinery

Braddock Machine & Mfg. Co., Braddock, Pa.
Fischer Foundry & Machine Co., Pittsburg, Pa.

Plate Scarfing Machines

Detrick & Harvey Machine Co., Baltimore, Md.

Plate Straightening Machinery

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Hilles & Jones Co., Wilmington, Del.
Lewis Foundry & Machine Co., Corsopolis, Pa.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Playing Card Machinery

Dietz Machine Works, 126 Fontain, Phila., Pa.

Plow Handle Machinery

Bentel & Margedant, Hamilton, O.
Defiance Machine Works, Defiance, O.
Root, B. M., Co., York, Pa.

Polishing Machines

(See also Lathes, Buffing & Polishing; also Wood Polishing Machines)

American Nickeloid Mfg. Co. (Sheet, Zinc, Automatic), Peru, Ill.
BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Blount, J. G. Co. (Overhanging), Everett, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Fox Machine Co., Grand Rapids, Mich.
Buescher Mfg. Co., Elkhart, Ind.
Builders' Iron Foundry, Providence, R. I.
Diamond Machine Co., Providence, R. I.
Florence Machine Co., Florence, Mass.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Gilmer, L. H. & Co. (Electro Platers), Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
St. Louis Machine Tool Co., St. Louis, Mo.
Slotkin, Mayer, 210 Canal, New York
Stimpson, Edwin B. & Son (Zinc & Copper Plates, etc.), 31 Spruce, New York
Stow Flexible Shaft Co. (Portable, Wood & Metal), n 26th & Buttonwood, Phila., Pa.

Polishing Machines (Marble)

(See Stone Polishing Machines)

Polka Machines

Stowell, J. A. Co., Leominster, Mass.

Pop-Corn Machines

Deters, F. & Co., 906 Elm, Cincinnati, O.
Dunbar & Co., 687 Fulton, Chicago, Ill.
Hawker, W. S. Mfg. Co. (Luxury Machines for Pop-Corn Crisps), Dayton, O.
Long, W. Z. (For Fritters Only), Springfield, O.

Porch Column Boring Machines

Bentel & Margedant (For Columns 12 to 26 Feet), Hamilton, O.

Post Boring Machines

Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Bentel & Margedant Co., Hamilton, O.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Fox Machine Co., Grand Rapids, Mich.
Grammes, L. F. & Sons, Allentown, Pa.
Portor, C. O. & A. D., Grand Rapids, Mich.
Smith, H. B. Machine Co., Smithville, N. J.
White, Jno. A. & Co., Dover, N. H.

Potato Digging Machines

(See Diggers, Potato, with the word Machine following their name)

Potato Harvesting Machinery

Aspinwall Mfg. Co., Jackson, Mich.
Dowden Mfg. Co., Prairie City, Iowa

Potato Peeling Machines

(See also Parers, Fruit & Vegetable)

Judge Machine Co. (For Peeling Sweet Potatoes, etc.), Baltimore, Md.

Pottery Machinery

Adamson, Alex., Akron, O.
American Clay Machinery Co., Bucyrus, O.
Bonnot Company, Canton, O.
Canton-Hughes Pump Co., Canton & Cleveland, Ohio
Centre Foundry & Machine Co., Wheeling, W. Va.
Crossley Machine Co., Trenton, N. J.
Ivens, Wm. H. Sons Co., Trenton, N. J.
Knott & Harker Co., Beaver Falls, Pa.
Mackenzie's, Duncan Sons Co., Trenton, N. J.
Raymond, C. W. Co., Dayton, O.
Taplin-Rice-Clerkin Co., Akron, O.
Thropp, Jno. E. Sons Co., Trenton, N. J.
Williams Foundry & Machine Co., Akron, O.

Powder Mill Machinery

(See also Gun Powder Machinery)

BARTLETT, C. O. & SNOW CO. (Rifle & Blasting), French st., Cleveland, O. (See adv. index, end of book)
Eyster, Weiser & Co. (Ltd.), York, Pa.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Greenwald, I. & E. Co., Cincinnati, O.
Pusey & Jones Co., Wilmington, Del.
Shriver, T. & Co., Harrison, N. J.
Treadwell, M. H. Co., 90 West, New York

Power Transmitting Machinery

(See also Rope Transmitting Machinery)

For Gears, Pulleys, Shafting, Hangers, Bearings, etc., see Index of Contents.

Aetna Foundry & Machine Co., Springfield, Ill.
ALLIS-CHALMERS CO. (Mechanical), Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS (Pillow Blocks), Aurora, Ill. (See adv. index & branch offices, end of book)
Barnard & Leas Mfg. Co., Moline, Ill.
Birmingham Iron Foundry (Shafting, Gearing, etc.), Derby, Conn.
Bond Foundry & Machine Co., Manheim, Pa.
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Cresson, Geo. V. Co., Allegheny av W of 17th, Phila., Pa.
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Dayton Globe Iron Works Co., Dayton, O.
Dodge Mfg. Co., Mishawaka, Ind.
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Falls Rivet & Machine Co., Cuyahoga Falls, O.
Fargo Foundry Co., Fargo, N. D.
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Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
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G. & W. MFG. CO. (Sheaves, etc.), 20 Cortlandt, New York. (See adv. index, end of book)
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Greenwald, I. & E. Co., Cincinnati, O.
Hess-Snyder Co., Massillon, O.
Hill Clutch Co., ft 58th N. W., Cleveland, O.
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Hunt, Rodney Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., North Adams, Mass.
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JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
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Jones & Laughlin Steel Co., Pittsburg, Pa.
Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill.
Keasey Pulley Co., Toledo, O.
Klein, Chas. C. (Mechanical & Electrical), 2830 N Marshall, Phila., Pa.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Cincinnati, O.
Link Belt Co. (Electric, Steam & Compressed Air), W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Marseilles Mfg. Co., Marseilles, Ill.
Medart Patent Pulley Co., 3500 De Kalb av, St Louis, Mo.
Meese & Gottfried Co., 167 Fremont, San Francisco, Cal.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Meese & Gottfried Co., 167 Fremont, San Francisco, Cal
MINNEAPOLIS STEEL & MACHINE ry Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Minster Machine Co., Minster, O.
National Foundry & Supply Co., Williamsport, Pa
Naylor Bros. Peekskill, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind.
PENNSYLVANIA STEEL PULLEY CO., North Side, Pittsburg, Pa. (See adv. index end of book
Phoenix Iron Works, Portland, Ore.
Pittsburg Conveying Mach'y Co., Pittsburg, Pa.
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md
Portland Iron Works (Inc.), Portland, Ore.
Ramming, Jno. Machine Co., 300 S. Main, St Louis, Mo
Savage, W. J. & Co., Knoxville, Tenn.
Sellers, Wm & Co. (Inc.), 1000 Hamilton, Phila., Pa
Skillin & Richards Mfg. Co., 147 Fulton, Chicago, Ill.
Smith, J. & Co. (Inc.), Phila., Pa.
Smith, S. Morgan Co., York, Pa.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Standard Pressed Steel Co. (Pressed Steel Shaft Hangers, Collars & Pillow Blocks), 20th & Clearfield, Phila., Pa
Standard Roller Bearing Co. (Ball & Roller Bearing), 50th & Lancaster, Phila., Pa.
Standish Machine & Supply Co. (Angle Transmitters), Columbus, Ohio
Stephens-Adamson Mfg. Co., Aurora, Ill.
Trump Mfg. Co., Springfield, O.
Variety Iron Works, Williamsport, Pa.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E. North av, Chicago, Ill. (See adv. index, end of book)
Wickes Bros., Saginaw, Mich.
Willamette Iron & Steel Works, Portland, Oregon
Wolf Co., Chambersburg, Pa.
Wood's, T. B. Sons Co., Chambersburg, Pa.

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(See also Generators, Various Kinds; also Motors, Various Kinds)

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GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Northern Electrical Mfg. Co., Madison, Wis.
Quaker City Electric Co., 2036 Lippincott, Phila., Pa.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Power Transmitting Machinery (Chain)

(See Chains, Power Transmission)

Power Transmitting Machinery (Rope)

(See Rope Transmitting Machinery)

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Automatic Specialty Co. S E cor. 6th & Baymiller, Cincinnati, O.
Babcock Printing Press Mfg. Co., New London, Conn., & 38 Park row, New York
BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Boston Printing Press Co. (Prouty), Boston, Mass.
Challenge Machinery Co. (Gordon, Presses, etc.) Grand Haven, Mich
Chandler & Price Co., Cleveland, O.
Cottrell, C. B. & Sons Co., Westerly, R. I., & 41 Park row, New York



Controllers for electrically operated printing presses, matrix rolls, etc. THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis.

Damon, Geo. & Sons, 44 Beekman, New York
Duplex Printing Press Co. (Flat Bed & Rotary Presses), Battle Creek, Mich.
Hardley & Winterbottom, 123 Worth, New York
Fuller, E. C., 28 Reade, New York
Golding & Co., Franklin, Mass., & 540 Pearl, New York
Goss Printing Press Co., 732 S Paulina, Chicago, Ill.
Grammes, L. F. & Sons (Dealers in Machinery Supplies), Allentown, Pa.
Harris Automatic Press Co. (High Speed, Self-Feeding), Niles, O.
Hoe, R. & Co., 504 Grand, New York
Hollingsworth, Wm., 227 N Holliday, Baltimore, Md.
Huber-Hodgman Printing Press Co., Taunton, Mass
Kelsey Press Co., Meriden, Conn.
Kelton's, M. M. Son, 187 Lafayette, New York
Kidder Press Co., Dover, N. H.
King & Walker Co. ("Monona," "Leverless" & "New Wonder"), Madison, Wis.
Lazenby, F. A. & Co., Bush & Wicomico, Baltimore, Md.
Liberty Machine Co., 31 Burling sl, New York
Machine Scales Co. ("New Era"), 68 William, New York
Miehle Printing Press & Mfg. Co., 14th & Rohe, Chicago, Ill., & 38 Park row, New York
Meisel Press & Mfg. Co., 944 Dorchester av, Boston, Mass.
National Machine Co. ("Gally" Universal Presses), Hartford, Conn.
Nichols & Langworthy Machine Co., Hope Valley, R. I.
Peerless Printing Press Co., Palmyra, N. Y.
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Pollard-Alling Mfg. Co., 35 E 20th, New York
Post Color Press, 66 John, New York
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Printers' Machinery Co., Elkhart, Ind.
Ray, Albert H., Ashland, Mass.
Scott, Walter & Co., Plainfield, N. J., & 949 B'way, New York
Thompson, John Press Co., Long Island City, N. Y.
United Printing Machinery Co., 12 Spruce, New
Van Allens & Boughton, 59 Ann, N. Y. York
Whitlock Printing Press Mfg. Co., Shelton, Conn.
Walker, N. G. & Co. ("Monona Leverless"), Madison, Wis.
Williams-Web Co., Shreveport, La.
Wrigley, Thos. & Co. (Print Press for Railroad Tickets), 300 Dearborn, Chicago, Ill.
Ziegler, Robt. & Sons, St. Louis, Mo.

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Ohl, Geo. A. & Co. (One Operation for Printing and Punching Holes in Leather, Fibre, etc.), 157 Oraton, Newark, N. J.

Profiling Machines

Becker Milling Machine Co., Hyde Park, Mass.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Hartford Machine Screw Co., Hartford, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
STARK TOOL CO., Waltham, Mass. (See adv. index, end of book)

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Keystone Driller Co., Beaver Falls, Pa.
Loomis Machine Co. (For Coal Mines), Tiffin, O
Strothman Iron Co., Superior, Wis.

Pulley Boring & Turning Machines

(See also Lathes, Pulley Turning)

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Pulley Hub Drilling & Tapping Machines

Newton Machine Tool Works, 2347 Vine, Phila., Pa.

Pulley Molding Machines

(See also Molding Machines, Foundry)

Delano, E. A. Co. ("Delano"), 56 S. Clinton Chicago, Ill
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Pridmore, Henry E., 918 S Rockwell, Chicago, Ill.

Pulley Mortising Machines

Austin & Eddy ("Enterprise"), 117 Broad, Boston, Mass
Baltimore Sash Pulley & Hardware Co. ("Norris"), 20 Clay, Baltimore, Md
Sloan, Frank B. & Co. ("The Norris"), Baltimore, Md.
Smith & Phillips Mfg. Co., 122 N Saugamon, Chicago, Ill.

Pulp Making Machinery (Canners')

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Pulp Washing Machines

Reisinger, Hugo, 11 B'way, New York
Rheinstrom Bros. ("Karl Kiefer"), 910 Martin, Cincinnati, O.

Pulverizing Machinery

(See also Mills, Grinding)

Acton, Jno. (Bogardus Centrifugal Steel Roller Mills), 118 John, Brooklyn, N. Y.
Aero Pulverizer Co., 90 West, New York
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Pulverizer Co. ("American" for All Dry Materials), 121 Pine, St. Louis, Mo.
Bowman, Walker, 39 Cortlandt, New York
BRADLEY PULVERIZER CO. ("Griffin Mill"), 92 State, Boston, Mass
Braun, F. W., Los Angeles, Cal.
Burroughs, Chas. Co., Newark, N. J.
Campbell, P. F. (For Fertilizer & Whiting Works, etc.), 55 Laurel, Phila., Pa
Day, J. H. Co., Cincinnati, O.
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Excel Mfg. Co., Pottersville, N. J.
Fulton Foundry & Machine Works, Atlanta Ga
Garrison, A. Foundry Co. (Ore & Clay), Pittsburg, Pa
Holmes & Blanchard Co. (Fertilising), 30 Washington, N. Boston, Mass
JEFFREY MFG. CO. (For the Reduction of All Kinds of Materials), Columbus, O. (See adv. index & branch offices, end of book)
Kent Machine Works, 39 Gold, Brooklyn, N. Y
Kent Mill Co., 170 B'way, New York
Lehigh Car Wheel & Axle Wks. ("Fuller-Lehigh" Pulverizer), Catasauqua, Pa.
McLauthlin, Geo. T. Co., Boston, Mass.
Moussette, O. J. ("Monarch"), Driggs av & N 10th, B'klyn, N. Y.
Nebel, M. A., 72 Grand av, B'klyn, N. Y.
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Pratt, N. P., Laboratory, Atlanta, Ga.
Raymond Impact Pulverizer Co. (Clay), 142 Ladlin, Chicago, Ill
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett, A. J. (Fertilising), Baltimore, Md.
St. Louis Pulverizer Co., 416 N Main, St. Louis, Mo.
Schuts-O'Neill Co., Minneapolis, Minn.
Smidth, F. L. & Co., 50 Church, New York
Smith, Theodore & Sons Co., ft of Essex, Jersey City, N. J.
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STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Sturtevant Mill Co., Clayton c Park, Dor., Boston, Mass.
Thornburgh Mfg. Co., Bowling Green, O.
Valk & Murdock Iron Works, Charleston, S. C.
Van Winkle, E. Gin & Machine Works, Atlanta, Ga.
Walker & Ellicott, Wilmington, Del.
West Pulverizing Machine Co., Jersey City, N. J.
Williams Patent Crusher & Pulverizer Co., St. Louis, Mo.

Pump Stock & Pipe Boring Machines

(See Wood Pipe Boring Machines)

Pumping Machinery

(See also Pumps, Steam; also Engines, High Duty Pumping)

ALLIS-CHALMERS CO. ("Reynolds" Pumping Engines, Compound & Triple Expansion), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Machine Co., Newark, N. J.
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Anderson, Carl Co. (Gas & Gasoline), Huron N W c Kingsbury, Chicago, Ill.
Buffalo Steam Pump Co. (Compound), Buffalo, N. Y.
Camden Iron Works, 400 Chestnut, Phila., Pa., & Camden, N. J.
Canton-Hughes Pump Co., Canton & Cleveland, Ohio
Columbus Steam Pump Works Co., Columbus, Ohio
Connellsville Mfg. & Mine Supply Co. (Inc.) (For Coal & Coke Works), Connellsville, Pa.
Cook Well Co. (Deep Well), St. Louis, Mo.
Davidson, M. T., 48 Keap, Brooklyn, N. Y.
Dean Bros'. Steam Pump Works, Indianapolis, Ind.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 82 John, New York
Dow, George E. Pumping Engine Co., 179 1st San Francisco, Cal.
Edwards, Jos. & Co., 412 Water, New York
Epping-Carpenter Co. (Heavy Pumping Engines), Pittsburg, Pa.
Erie Pump & Engine Co., Erie, Pa.
FAIRBANKS, MORSE & CO., Wabash av Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Guild & Garrison, Kent av c S 10th, Brooklyn, N. Y.
Hartig Standard Gas Engine Co., Newark, N. J.
Heisler Mfg. Co. (High Duty, Compensating, Horizontal Crank & Fly Wheel), St. Marys, Ohio
HOLLY MFG. CO. (Horizontal & Vertical Compound & Triple Expansion High Duty Pumping), 115 B'way, New York. (See adv. index & branch offices, end of book)
Hooven, Owens, Rentschler Co. (All Sizes), Hamilton, O.
International Steam Pump Co., 115 B'way, New
Kilby Mfg. Co., Cleveland, O. York
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan, Jno. H. Co., Cincinnati, O.
Mietz & Weiss (Gas or Kerosene), 134 Mott, New York
Morris County Machine & Iron Co., Dover, N. J.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Morris, I. P. Co. (High Duty), Beach & Ball, Phila., Pa.
Myers, F. E. & Bro., Ashland, O.
National Steam Pump Co., Upper Sandusky, O.
Nordberg Mfg. Co., Milwaukee, Wis.
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Reilly, J. J. Mfg. Co., Louisville, Ky.
Roberts, Geo. J. Co., Dayton, O.
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Southwark Foundry & Machine Co., S 5th & Wash'n av, Phila., Pa.
Union Steam Pump Co., Battle Creek, Mich.
United Iron Works, Oakland, Cal.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. (See adv. index, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Walker Mfg. Co., Fenton, Mich.
Warren Steam Pump Co., Warren, Mass.
Weimer Machine Works Co. (Pumping Engines for Blast Furnaces, Mines, etc.), Lebanon, Pa.
Weinman Machine Works, Columbus, O.
Wells, F. C. (Est. of), 122 S Clinton, Chicago, Ill.
Wetherill, Robt. & Co. (High Duty Pumping Engines), Chester, Pa.
Wheeler, C. H. Mfg. Co., Lehigh & N 18th, Phila., Pa.
Wood, R. D. & Co. (High Duty), 400 Chestnut, Phila., Pa.

Pumping Machines (Electric)

DEMING CO., Salem, O. (See adv. index, end of book)
THOMAS & SMITH (Inc.) ("Economy"), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

Pumping Machines (Gasoline)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Foos Gas Engine Co., Springfield, O.
Myers, F. E. & Bro., Ashland, O.

Pumping Machines (Horse Power)

(See Pumping Outfits, Horse Power)

Pumpkin Machinery (Canners')

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Pumpkin Peeling & Seeding Machines

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Punch & Die Grinding Machines

Diamond Machine Co., Providence, R. I.

Punching, Beveling & Trimming Machines

Long & Allstatter Co. (Combined for Boiler Plates, etc., with Automatic Space Table, Belt, Motor or Steam Driven), Hamilton, O.
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Sutton, C. E. Co., Toledo, O.

Punching Machines (Boilermakers')

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CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Henderer's, A. L. Sons (Cast Steel), Wilmington, Del.
Long & Allstatter Co. (Heavy Steam, Motor or Belt Driven), Hamilton, O.
New Doty Mfg. Co., Jamesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Oswego Tool Co. (Steel Screw), Oswego, N. Y.
Pels, Henry & Co., 90 West, New York.
Queen City Punch & Shear Co., Cincinnati, O.
Rock River Machine Co. ("Badger," Hand Power, etc.), Janesville, Wis.
Sutton, C. E. Co., Toledo, O.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Wais-King Tool Co., Winton Place, O.
Wickes Bros., Saginaw, Mich.
Williams Bros. ("Eagle," Power, Ithaca, N. Y.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)
YOUNG MACHINE & TOOL CO., 211 Center, New York & Worcester, Mass. (See adv. index, end of book)

Punching Machines (Disc)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Long & Allstatter Co. (Heavy, Belt, Motor, or Steam Driven), Hamilton, O.

Punching Machines for Light Metal, Paper, Etc.

Automatic Specialty Co., 6th & Baymiller, Cincinnati, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Erdle Perforating Co., Rochester, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)

Punching Machines (Gang)

(See Punching Machines, Multiple)

Punching Machines (Horizontal)

(See also Machinery, Punching & Shearing)

Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Lewis Foundry & Machine Co., Corsopolis, Pa.
Long & Allstatter Co. (Heavy, Belt, Motor & Steam Driven), Hamilton, O.
Pels, Henry & Co., 90 West, New York.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
United Engineering & Foundry Co., Farmers' B'k bldg, Pittsburg, Pa.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.
Williams, White & Co., Moline, Ill.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Punching Machines (Hydraulic)

(See also Machinery, Punching & Shearing)

Alliance Machine Co., Alliance, O.
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
Henderer's, A. L. Sons, Wilmington, Del.
Long & Allstatter Co. (Belt, Motor & Steam Driven), Hamilton, O.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Machine Co., S 22d & Washington av, Philadelphia, Pa.
United Engineering & Foundry Co., Farmers' B'k bldg, Pittsburg, Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Flange or Angle), 400 Chestnut, Phila., Pa.
Wood, W. H., Media, Pa.

Punching Machines (Hydraulic, Manhole)

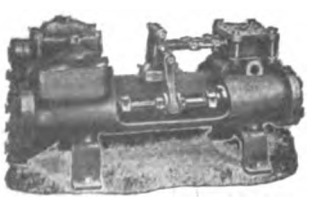
(See Punching & Shearing Machines, Manhole)

Punching Machines (I-Beam)

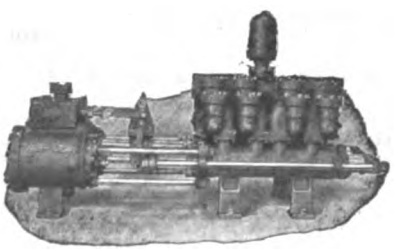
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Hilles & Jones Co., Wilmington, Del.
Long & Allstatter Co. (Belt, Steam or Motor Driven), Hamilton, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Pels, Henry & Co., 90 West, New York
Sutton, C. E. Co., Toledo, O.
United Engineering & Foundry Co., Farmers' B'k bldg, Pittsburg, Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Whiting, Geo. Co. (Beam Coping), 156 W North av, Chicago, Ill.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Punching Machines (Multiple)

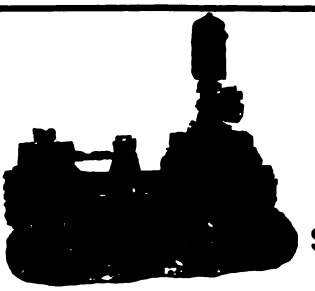
Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)



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Hilles & Jones Co., Wilmington, Del.
Long & Allstatter Co. (Also Heavy Belt, Motor or Steam Driven for Splice Bars, etc.), Hamilton, O.
Loy & Nawrath Co. (Gang Punches), Newark, N. J.
Manning, Maxwell & Moore, 85 Liberty, New York
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.
Pels, Henry & Co., 90 West, New York
Perkins Machine Co., Warren, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Queen City Punch & Shear Co., Cincinnati, O.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Sutton, C. E. Co., Toledo, O. Phila., Pa.
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Whiting, Geo. Co., 156 W North av, Chicago, Ill.
Williams, White & Co. (& Gate Shear), Moline, Ill.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

Punching Machines (Screw)

Barber Mfg. Co., Ashtabula, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Gunnell Machine Co., Manitowoc, Wis.
Henderer's, A. L. Sons (Cast Steel), Wilmington, Del.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
New Doty Mfg. Co. (Steel), Janesville, Wis.
Oswego Tool Co. (Boilermakers' Steel), Oswego, N. Y.
Perkins Machine Co., Warren, Mass.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punching Machines (Stiles)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Punching & Cutting Machines (Combined)

McDougall & Potter Co. (For Bar Iron, etc.), 606 W 55th, New York

Punching & Shearing Machinery

(See also Punching Machines, Various Kinds; also Shears, Various Kinds)

Alliance Machine Co., Alliance, O.
Automatic Specialty Co., Cincinnati, O.
Badger State Machine Co. (Hand & Belt Power), Janesville, Wis.
Beaudry & Co. (Inc.), 141 Milk, Boston, Mass.
Bertsch & Co., Cambridge City, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cincinnati Punch & Shear Co., Cincinnati, O.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Erie Foundry Co. (Shearing Machines Only), Erie, Pa.
Evans', Jno. Sons (Heavy), 13th & Buttonwood, Phila., Pa.
Excelsior Tool Machine Co., East St. Louis, Ill.
Ferracute Machine Co., Bridgeton, N. J.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
HEARTLEY MACHINE, VARIETY Iron & Tool Works (Punches & Dies), Toledo, O. (See adv. index, end of book)
Hilles & Jones Co., Wilmington, Del.
Johnson, Israel H., Jr., Co., Phila., Pa.
Kidder, J. F. Mfg. Co., Burlington, Vt.
Kripe-Mason Machine Co. (Scrap Punching Machines), 1636 N Hutchinson, Phila., Pa.
Lewthwaite, T. H. (Power Hand & Foot), 413 E 31st, New York
Little Giant Punch & Shear Co. ("Little Giant" Hand), Sparta, Ill.
Long & Allstatter Co. (Deep Throat, etc.), Hamilton, O.
Luther Mfg. Co., Olean, N. Y.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
MORGAN ENGINEERING CO. (Electric, Hydraulic, Steam & Power), Alliance, Ohio. (See adv. index & branch offices, end of book)
New Doty Mfg. Co. (Blacksmith & Carriage Builders), Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Ohl, Geo. A. & Co. (Sheet Metal Workers), 157 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Pels, Henry & Co., 90 West, New York
Perkins Machine Co., Warren, Mass.
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Queen City Punch & Shear Co. (Single & Double Throat, 4 to 48-in.), Cincinnati, O.
Robinson, J. M. Mfg. Co., Cincinnati, O.
Rock River Machine Co., Janesville, Wis.
Royersford Foundry & Machine Co. (Combined), Royersford, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Sutton, C. E. Co., Toledo, O. Phila., Pa.
Toledo Machine & Tool Co., Toledo, O.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Wais-King Tool Co. (Power), Winton pl., O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO. (Hydraulic, etc.), 50 Church, New York. (See adv. index, end of book)
Whiting, Geo. Co., 156 W. North av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Wood, Wm. H., Media, Pa.
YOUNG MACHINE & TOOL CO. (Hand & Power), 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

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BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Royersford Foundry & Machine Co. (Power), Royersford, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Sutton, C. E. Co., Toledo, O. Phila., Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Punching & Shearing Machines (Double End)

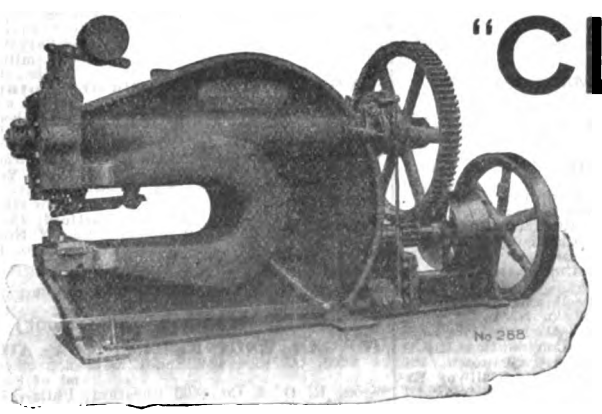
MORGAN ENGINEERING CO. (Belt Driven, etc.), Alliance, O. (See adv. index, end of book)
Toledo Machine & Tool Co., Toledo, O.
Williams, White & Co., Moline, Ill.

Punching & Shearing Machines (Manhole)

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
MORGAN ENGINEERING CO. (Hydraulic), Alliance, O. (See adv. index & branch offices, end of book)
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

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BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)



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Niles-Bement-Pond Co., 111 B'way, New York

Rack Cutting Machines

Gould & Eberhardt (Automatic & Semi-Automatic), Newark, N. J.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
Walcott & Wood Machine Tool Co. (36 x 8, 60 x 10 & 96 x10 in., Half & Full Automatic), Jackson, Mich.

Rag Cutting Machines

Black-Clawson Co., Hamilton, O.
Holyoke Machine Works, Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
Norwood Engine Co., Florence, Mass.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.

Rail Bending & Straightening Machines

(See also Rail Benders)

Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Niles-Bement-Pond Co., 111 B'way, New York
Quincy-Manchester-Sargent Co. (Hydraulic), Plainfield, N. J.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
United Engineering & Foundry Co. (Vertical, for Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.
WATSON-STILLMAN CO. (Hydraulic.), 50 Church, New York. (See adv. index, end of book)

Rail Cutting Machines

Niles-Bement-Pond Co., 111 B'way, New York
Pels, Henry & Co., 90 West, New York

Rail Ending Machines

Newton Machine Tool Works (Inc.), 2347 Vine, Philadelphia, Pa.

Rail Sawing Machines

(See also Cold-Saw Cutting-Off Machines; also Hot Sawing Machines)

Buda Foundry & Mfg. Co. (Rail & Shop), Railway Ex. bldg, Chicago, Ill.
Higley Machine Co., Croton Falls, N. Y.
Newton Machine Tool Works, 2347 Vine, Philadelphia, Pa.
Quincy-Manchester-Sargent Co., Plainfield, N. J.

Railroad Cross Tie Machines

Salem Iron Works (Inc.), Salem, N. C.

Railway Track Laying Machines

Harris Track Laying Machine Co., Chicago, Ill.
Holman, D. F. Railway Tracklayer Co., 335 Dearborn, Chicago, Ill
Hurley Track Laying Machine Co., Syracuse, N. Y.
Roberts Bros., 125 La Salle, Chicago, Ill.

Raisin Machinery

Fresno Agricultural Works, Fresno, Cal.

Rattan Weaving Machinery

Leffler, Chas. & Co., 63 Clymer, B'klyn, N. Y.

Reaming Machines

Niles-Bement-Pond Co., 111 B'way, New York
Smith, F. G. Co. (Power), Columbia, Pa.
Stow Mfg. Co., Binghamton, N. Y.

Reclamation Machinery

Hasleburst, W. W., 2122 Folsom, San Francisco, Cal.
Krogh Mfg. Co., San Francisco, Cal.

Reducing Machines

(See Swaging Machines)

Refrigerating Machinery

(See Ice & Refrigerating Machines)

Registering Machines

Root, C. J., Bristol, Conn.

Rendering Machinery

Brecht, B. S. Co., 12th & Cass av, St. Louis, Mo
PLATT IRON WORKS CO. ("Powter" Process), Dayton, O. (See adv. index & branch offices, end of book)

Re-Sawing Machines

(See Band Sawing Machines)

Re-Sawing Machines (Horizontal)

Chase Turbine Mfg. Co., Orange, Mass.

Re-Seating Machines

Lagonda Mfg. Co. (For Cleaning Faces, Nuts & Caps of Boiler Tubes), Springfield, O
Liberty Mfg. Co. (For Cleaning Faces, Nuts & Caps of Water Tube Boilers), Pittsburg, Pa.

Rice Cleaning Machinery

(See Coffee & Rice Cleaning Machinery)

Rice Mill Machinery

Barnard & Leas Mfg. Co. (Separators, Graders, Clippers, etc.), Moline, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Wolf Co., Chambersburg, Pa.

Rice & Coffee Hulling Machinery

Barnard & Leas Mfg. Co. (Rice Hullers for Mills & Plantations), Moline, Ill.
Blymyer Iron Works Co., Cincinnati, O.
Engelburg Huller Co., Syracuse, N. Y.

Rim Machines

(See Hub, Spoke & Rim Machinery)

Rim Bending Machines

Defiance Machine Works, Defiance, O.

Rim Polishing Machines

Ohl, Geo. A. & Co. (Wheel Rims, etc.), 157 Oraton, Newark, N. J.

Ring Forming Machines (Automatic)

American Can Co. (Rudolphi & Krummel), 135 Adams, Chicago, Ill.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Ring & Loop Machinery

Reed Mfg. Co., Springfield, O.
Special Machinery Co. (Automatic), Bridgeport, Conn.

Rip Saw Machines

American Woodworking Machinery Co., Rochester, N. Y., & West St. bldg, New York
Atlantic Works (Inc.), 2821 Oakford st., Phila., Pa
Barnes, W. F. & Jno. (Hand Power), Rockford, Ill.
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Fischer, E. Machine Works (Self Feed), 710 Carroll av., Chicago, Ill.
Frank Machinery Co., Buffalo, N. Y.
Garland, M. Co., Bay City, Mich.
Grammes, L. F. & Sons (Combination Rip & Cross Cut, Allentown, Pa.
Greenlee Bros. & Co. (Self Feed), Railway Exchange bldg., Chicago, Ill.
Hermance Machine Co. (Adjustable Roll Self-Feed), Williamsport, Pa.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Marston, J. M. & Co. (Foot Power), 228 Ruggles, Boston, Mass.
Merahon, Wm. B. & Co., Saginaw, Mich.
Ober Mfg. Co. (Self-Fed), Chagrin Falls, O.
Root, B. M. Co., York, Pa.
Power, L. & Co. (Self-Feed), Phila., Pa.
Sidney Tool Co. ("Defiance" for Wagon Makers), Sidney, O.
Sinker-Davis Co. ("Hoosier" Self-Feed), 230 S Missouri, Indianapolis, Ind.
Yerkes & Finan Woodworking Machine Co. (Iron Frame), St. Louis, Mo.

Rivet Heading Machines

Acme Machinery Co., Cleveland, O.
AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)
Cook, Asa S. Co. (New Patent Feed), 80 Haynope av, Hartford, Conn.
National Machinery Co., Tiffin, O.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Rivet Machinery

Acme Machinery Co., Cleveland, O.
Blake & Johnson Co., Waterbury, Conn.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
National Machinery Co., Tiffin, O.
Waterbury Farrel Foundry & Machine Co.

Rivet Spinning Machines

Grant Mfg. & Machine Co., Bridgeport, Conn.

Rivet & Hoop Applying Machines

Tubular Rivet & Stud Co., Boston, Mass.

Rivet & Staple Setting Machines

Standard Rivet Co., 41 Lincoln, Boston, Mass.

Riveting Machines

(See also Pneumatic Riveters)

Chambersburg Engineering Co., Chambersburg, Pa.
Drahrer, Jno., Waterbury, Conn.
FEVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Grant Mfg. & Machine Co. (Motor & Belt Driven), Bridgeport, Conn.
Heath Foundry Mfg. Co. ("Plymouth Rock"), Plymouth, O.
HEARTLEY MACHINE, VARIETY Iron & Tool Works (for Metal Wheels), Toledo, O. (See adv. index, end of book)
Hilles & Jones Co. (Power), Wilmington, Del.
Hubbell, Harvey, Bridgeport, Conn.
Long & Allstatter Co., Hamilton, O.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
NIAGARA MACHINE & TOOL Works (Sheet Metal), Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Perkins Machine Co. (Power), Warren, Mass.
Rock River Machine Co. ("Badger." Stake), Janesville, Wis.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
SHUSTER, F. B. CO. (Elastic Rotary Blow, etc.), New Haven, Conn. (See adv. index, end of book)
Standish Machine & Supply Co. (for Patching Cotton Tie Bands, etc.), Columbus, O.
Stimpson, Edwin B. Co. (Leather), 31 Spruce, New York
Toledo Machine & Tool Co., Toledo, O.
Townsend, H. P. Mfg. Co. (Multi-Blow High Speed), Hartford, Conn.
Whiting Geo. Co. (Belt Power), 156 W North av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Riveting Machines (Fire Door)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Riveting Machines (Hand)

Arcade Mfg. Co., Freeport, Ill.
Great Lakes Mfg. Co., 152 Lake, Chicago, Ill.
Heath Foundry & Mfg. Co. ("Plymouth Rock"), Plymouth, O.
Smith, F. H. Mfg. Co. (Harness, etc.), 48 St. Johns ct, Chicago, Ill.

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Riveting Machines (Hoop)

Smith, F. H. Mfg. Co. (Hand Power), 46 St. Johns, Chicago, Ill.
Strait, H. N. Mfg. Co., Kansas City, Mo.

Riveting Machines (Hydraulic)

Alliance Machine Co., Alliance, O.
Chambersburg Engineering Co., Chambersburg, Pa.
Fischer Foundry & Machine Co., Ford City, Pa.
MORGAN ENGINEERING CO. (Solid Stake, Loose Head; also Two Piece Stake etc.), Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Machine Co., S 23d & Washington av., Phila., Pa.
Sellers, Wm. & Co. (Inc.), 1000 Hamilton, Phila., Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Stationary & Portable), 400 Chestnut, Phila., Pa.
Wood, W. H., Media, Pa.

Riveting Machines (Hydraulic Lifting)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Riveting Machines (Hydraulic Portable)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Riveting Machines (Pneumatic)

(See Pneumatic Riveters)

Riveting Machines (Portable)

(See also Pneumatic Riveters)

Bethlehem Foundry & Machine Co. (Alligator, etc.), Front, South Bethlehem, Pa.
MORGAN ENGINEERING CO. (Hydraulic), Alliance, O. (See adv. index, end of book)
Sellers, Wm. & Co. (Inc.), 1000 Hamilton, Phila, Pa.
Wickes Bros., Saginaw, Mich.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Wood, Wm. H., Media, Pa.

Riveting Machines (Spoke)

Williams, White & Co., Moline, Ill.

Riveting Machines (Steam)

Bethlehem Foundry & Machine Co. (Vertical Gap or Portable Alligator), Front, South Bethlehem, Pa.
Hillis & Jones Co., Wilmington, Del.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Pusey & Jones Co., Wilmington, Del.
Sellers, Wm. & Co. (Inc.), 1000 Hamilton, Phila., Pa.

Riveting Machines (Wheel)

Long & Allstatter (Belt, Motor & Steam Driven), Hamilton, O.

Road Making Machinery

(See Asphalt Machinery; Concrete Mixers; Ditching Machines; Plows, Contractors'; Road Machines & Graders; Road Scrapers, Drag & Wheel; Rock & Ore Crushers; Rollers, Steam Road)

(For all other Road Making Specialties see Index of Contents)

Rock Drill Sharpening Machines

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Rocker Cut-Off Sawing Machines

Connell & Dengler Machine Co., Rochester N. Y.

Rod, Pin & Dowel Machines

American Wood Working Machine Co., Rochester, N. Y., & West Street bldg, New York
Baker Bros., Toledo, O.
Bentel & Margedant Co. (Power or Hand Feed) Hamilton, O.
Cordesman, Rechtin Co., Cincinnati, O.
Cowdrey, C. H. Machine Works, Fitchburg, Mass.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo N. Y.
Goodspeed Machine Co., Winchendon, Mass.
Hawker, W. S. Mfg. Co. ("Acme" Adjustable),
Merritt Mfg. Co., Lockport, N. Y. Dayton, O.
Moshannon Mfg. Co., Phillipsburg, Pa.
Pringle & Brodie Machinery Co., 277 S Canal, Chicago, Ill.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Trevor Mfg. Co., Lockport, N. Y.

Rod or Bar Drawing Machines

Brightman Mfg. Co., Shelby, O.
Morgan Construction Co., Worcester, Mass.
Waterbury Machine Co. (Rod Drawing), Waterbury, Conn.

Rod & Tube Drawing Machines

Richard Mfg. Co., Bloomsburg, Pa.

Rod & Tube Pointing Machines

Excelsior Needle Co., Torrington, Conn.
Morgan Construction Co., Worcester, Mass.
Waterbury-Farrel Foundry & Machine Co., Waterbury, Conn.
WRIGHT WIRE CO. (Rod Pointing), Worcester, Mass.

Roll Covering Machines

Turner, J. S. Mfg. Co., 398 Middlesex, Lowell, Mass.

Roll Grooving Machines

Morgan Construction Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.

Roll Straightening & Finishing Machines

Brightman Mfg. Co., Shelby, O.

Rolling Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Rolling Mill Machinery

(See also Tin Plate Mill Machinery, Etc.)

Aetna Foundry & Machine Co., Warren, O.
Allentown Rolling Mills, Allentown, Pa.
Alliance Machine Co., Alliance, O.
American Machine & Mfg. Co., Cleveland, O.
American Sheet & Tin Plate Co., Roll & Machine Works, Canton, O.
American Roll & Foundry Co., Canton, O.
Atlas Car & Mfg. Co., Cleveland, O.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa., & 111 B'way, New York
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Blake & Johnson Co., Waterbury, Conn.
Braddock Machine & Mfg. Co. (Bar, Sheet, Plate, Rod, Wire, Tin Plate & Mill Construction, Braddock, Pa.
Bruce-Macbeth Engine Co., Cleveland, O.
Centre Foundry & Machine Co., Wheeling, W. Va.
Cleveland Machine & Mfg. Co., Cleveland, O
Danville Foundry & Machine Co., Danville, Pa
Davenport Foundry Machine Co., Davenport, Iowa.
Farrel Foundry & Machine Co. (For Brass, Copper, Zinc, Brittania, etc.), Ansonia, Conn.
FAWCUS MACHINE CO. (Gears & Special Machinery), 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Ferracute Machine Co. (For Coining Strips), Bridgeton, N. J.
Fischer Foundry & Machine Co., Ford City, Pa.
Garrison, A. Foundry Co., 9th & Bingham Pittsburg Pa
Heppenstall Forge & Knife Co., Pittsburg, Pa.
Hillis & Jones Co., Wilmington, Del.
Hyde Park Foundry & Machine Co., Hyde Park, Pa., & Frick bldg, Pittsburg, Pa.
Hydraulic Machine Co., North Side, Pittsburg,
Johnston & Jennings Co., Cleveland, O. Pa.
Kilby Mfg. Co., Cleveland, O.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Lingle, J. H., Bellefonte, Pa.
Mackintosh, Hemphill & Co., ft 12th, Pittsburg, Pa.
Meats Machine Co., Pittsburg, Pa. burg, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Newbold, R. S. & Son Co., Norristown, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.
Penna. Engineering Works, New Castle, Pa.
Phila. Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
Phillips & McLaren, Pittsburg, Pa.
Pittsburg Industrial Iron Works, Pittsburg, Pa.
Poole Engineering & Machine Co., Baltimore, Md.
Reading Iron Co., Reading, Pa.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Rosedale Foundry & Machine Co., Allegheny, Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Seaman Sleeth Co. (Sand & Chilled Rolls Only), 41st & A. V. R'y, Pittsburg, Pa.
Standard Engineering Co. (To Order), Ellwood City, Pa.
Standard Machinery Co., Providence, R. I.
Sterritt-Thomas Foundry Co., 32d & Smallman,
Stevenson Co., Wellsville, O. Pittsburg, Pa.
Thompson, Hugh L., Waterbury, Conn.
Tod, Wm. Co. (Engines, etc.), Youngstown, O.
Trethewey, Sam'l & Co. (Ltd.), Pittsburg, Pa.
Tyrone Foundry & Machine Co., Tyrone, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Weimer Machine Works Co., Lebanon, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Wolf Co. (Inc.), Chambersburg, Pa.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Foundry & Machine Co., Youngstown, O.

Roofing Machines

NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
White, Robert Engineering Wks., ft Columbia, Brooklyn, N. Y.

Roofing Paper Machines

Haberkamp, Wm. Machine Works (Two & Three Ply), 60 N Wells, Chicago, Ill.

Roofing Tile Machinery

American Clay Machinery Co., Bucyrus, O.
Fate, J. D. Co., Plymouth, O.
Mueller Bros., St. Louis, Mo.
Raymond, C. W. Co., Dayton, O.

Rope Transmitting Machinery

(See also Power Transmitting Machinery)

Barnard & Leas Mfg. Co., Moline, Ill.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. See adv. index, end of book)
Caldwell, H. W. & Son, 17th & Western av, Chicago, Ill.
Cresson, Geo. V. Co., Allegheny av W of 17th, Pittsburg, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Howard Iron Works, Buffalo, N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co. (Manila Rope, etc.), W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv index & branch offices, end of book)
Moore & Lorenz Co., 816-822 Fulton, Chicago
Nordyke & Marmon Co., Indianapolis, Ind.
Shriver, T. & Co., Harrison, N. J.
Tamaqua Mfg. Co., Tamaqua, Pa.
WEBSTER MFG. CO., 1075 W 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E North av, Chicago, Ill. (See adv. index, end of book)
Wood's, T. B. Sons Co., Chambersburg, Pa.

Rope & Twine Machinery

(See Cordage Machinery)

Rosette & Corner Block Machines

American Steam Pump Co., Battle Creek, Mich.
Pringle & Brodie Machinery Co., 277 S Canal, Chicago, Ill.

Rotary Printing & Rewinding Machines

Kidder Press Co., Dover, N. H.

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Round Cornering Machines

Southward Bros. (The Sterling), Portland, Me.

Routing Machines

Bentel & Margedant Co., Hamilton, O.
Cordesman, Rechtin Co., Cincinnati, O.
Royle, Jno. & Sons (Inc.), Paterson, N. J.
Smith, H. B. Machine Co., Smithville, N. J.
Stevenson Machine Co. ("Kelley" Electric Portable), Buffalo, N. Y.

Routing & Mortising Machines (Gang)

Bentel & Margedant Co., Hamilton, O.

Rubber Band Cutting Machines

Adamson, Alex., Akron, O.
Birmingham Iron Foundry, Derby, Conn.

Rubber Belt Making Machinery

Birmingham Iron Foundry, Derby, Conn.

Rubber Grinding & Mixing Machines

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
STROUD, E. H. & CO. (Grinders), 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Thropp, Jno. E. Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.
Watson Machine Co., Paterson, N. J.

Rubber Hose Making Machines

Baker, Wm. H., Trenton, N. J.
Birmingham Iron Foundry (For Rubber & Other Hose), Derby, Conn.

Rubber Hose Wiring Machines

Baker, Wm. H., Trenton, N. J.

Rubber Mill Machinery

Adamson, Alex., Akron, O.
American Tool & Machine Co. (Spreaders & Mixers), 109 Beach, Boston, Mass.
Birmingham Iron Foundry, Derby, Conn.
Clark, Edred W. (For Making Carriage Tires, Wire Covering), Hartford, Conn.
ELMES, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Farrel Foundry & Machine Co., Ansonia, Conn.
Mackenzie's, Duncan Sons Co., Hamilton av, Trenton, N. J.
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
Royle, John & Sons, Paterson, N. J.
Thropp, John E. Sons Co., ft of Lewis, Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.
Watson Machine Co. (Mills, Dryers, Vulcanizers & Presses), Paterson, N. J.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)
Williams Foundry & Machine Co., Akron, O.

Rubber Reclaiming Machinery

Birmingham Iron Foundry, Derby, Conn.

Rubber Shoddy Washing Machines

Baker, Wm. H., Trenton, N. J.

Rubber Strip Cutting Machines

New England Butt Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

Rubber Tire Applying Machinery

Williams Foundry & Machine Co., Akron, O.

Rubber Tire Machines

Clark, Edred W. (Tubing, Tire & Electric, etc.), Hartford, Conn.
Williams Foundry & Machine Co., Akron, O.

Rubber Tube Making Machines

Adamson, Alex., Akron, O.
Clark, Edred W., Hartford, Conn.
Erie Pump & Engine Co. ("Bay State"), Erie, Pa.
Royle, Jno. & Sons, Paterson, N. J.
Textile Machine Works, Reading, Pa.

Rubber Washing Machines

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Thropp, Jno. E. Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.
Turner, Vaughn & Taylor Co. (Tubs Only), Cuyahoga Falls, O.
Watson Machine Co., Paterson, N. J.

Rule Cutting Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Ruling Machines

Blackhall Mfg. Co., Buffalo, N. Y.
Hickox, W. C. Mfg. Co., Harrisburg, Pa.
Hope, John & Sons' Engraving & Mfg. Co., Providence, R. I.
McAdams, John & Sons, 978 Kent av, Brooklyn, N. Y.
Piper, E. G., Springfield, Ohio.
Wesel, F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

Saddle Seat Machines

Gardner Machine Works (E. N. & W. H. Hobby, Prop's), Gardner, Mass.

Safety Pin Machinery

Baird Machine Co., Oakville, Conn.
Blake & Johnson Co., Waterbury, Conn.
Manville Bros. Co., Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.

Salt Making Machinery

Bartlett, A. F. & Co., Saginaw, Mich.
SCHULE, F. H. CO. (Automatic Scale), 114-118 Liberty, New York. (See adv. index, end of book)

Salt Well Machinery

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bartlett, A. F. & Co., Saginaw, Mich.
Garland, M. Co., Bay City, Mich.
Great Western Mfg. Co. (For Salt Mills), Leavenworth, Kan.
Jackson & Church Co., Saginaw, Mich.
Manistee Iron Works Co., Manistee, Mich.

Sand Blast Machines

American Diamond Blast Co., 50 Church, New York
Astel, H. J. & Co., Providence, R. I.
Chester Engineering & Machine Co., Chester, Pa.
CLAYTON AIR COMPRESSOR W'KS (Air Sand Blasts), 115 B'way, New York. (See adv. index & branch offices, end of book)
Curtis & Co. Mfg. Co., St. Louis, Mo.
Drucklieb, C. (Injector Sand Blast Apparatus), 182 Reade, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Jorn, A., Jr. ("Jorn"), Wankegan, Ill.
LAIDLAW-DUNN-GORDON CO. (Air Sand Blasts), 115 B'way, New York. (See adv. index & branch offices, end of book)
Leiman Bros. (For Brass Workers, Jewelers, Blacksmiths, Platers, etc.), 139 Center, New York
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
Niagara Device Co., Buffalo, N. Y.
Nichols, D. M. Iron Works ("Danic"), Gouverneur & South, New York
Paxson, J. W. Co. ("Paxson-Warren" for Cleaning Steel & Castings), 1021 N Delaware av, Phila., Pa.
Pettinos Bros. ("Cyclone"), Bethlehem, Pa.
Sippel, Theo. A. (For Brass Workers, Nickel Platers, etc.), Newark, N. J.
Tilghman-Brooksbank Sand Blast Co. ("Tilghman," "Matthewson"), 1126 S 11th, Phila., Pa.

Sand Conveying Machinery for Continuous Molding

(See also Conveyors, Various Kinds)

Standard Sand & Machine Co., 5157 St. Clair, Cleveland, O.

Sand Drum Machines

Bentel & Margedant Co., Hamilton, O.

Sand-Lime Brick Machinery

(See also Brick Presses, Etc.)

AMERICAN CLAY MACHINERY CO., Bucyrus, O.
American Sand-Lime Brick Co., 77 Jackson boul, Chicago, Ill.
American Sandstone Brick Machinery Co. ("Komnick"), Saginaw, Mich.
Cleveland Brick Machinery Co. ("Perfection"), Wickliffe, O.
International Sand-Lime Brick Machinery Co., 90 West, New York
Jackson & Church, Saginaw, Mich.
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
National Brick Machinery Co. ("National" Rotary), 138 Washington, Chicago, Ill.
Power & Mining Machinery Co., Cudahy, Wis.
Sand Lime Brick Plant Co., 18 E 42d, New York
Western Composite Brick Co., Kansas City, Mo.
Wilmington Iron Works (Mixers), Wilmington, N. C.

Sand Mixing Machines

Barbour-Stockwell Co., Cambridge, Mass.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Gould & Eberhardt, Newark, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Link Belt Co., W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Mumford, E. H. Co., 1223 Spring, Phila., Pa.
Obermayer, S. Co., 647 Evans, Cincinnati, O.
OSBORN MFG. CO., 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)
Paxson, J. W. Co., 1021 N Delaware av, Phila., Pa.
Sand Mixing Machine Co., 220 B'way, New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, N W, Cleveland, O. (See adv. index, end of book)
Standard Sand & Machine Co. (Mixer & Screen Combined), 5157 St. Clair, Cleveland, O.
U. S. Chaplet & Supply Co., 140 Cedar, New York

Sand Molding Machines

(See Molding Machines, Foundry)

Sand Paper Making Machinery

Waldron, Jno. Co., New Brunswick, N. J.

Sand Papering Machines

American Wood Working Machine Co., Rochester, N. Y., & West Street bldg, New York
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Clemons Machine Co. ("Clemons" Belt Sander), Hornell, N. Y.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Driver, C. H., Racine, Wis
Fay, J. A. & Egan Co., Cincinnati, O.
Grammes, L. F. & Sons, Allentown, Pa.
Hayes Machine Co. (Inc.), Kingston, N. Y.
Moore Carving Mach. Co. ("Victor Imperial"), 1921 Portland av, Minneapolis, Minn.
Oliver Machinery Co., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Stevenson Machine Co. ("Kelley" Electric Portable), Buffalo, N. Y.
White, Jno. A. & Co., Dover, N H.
Winship Mfg. Co., Racine, Wis.

Sand Sifting Machines

(See Sand Sifters)

Sander & Boring Machines

Bentel & Margedant Co. (Flexible Arm), Hamilton, O.

Sanding & Polishing Machinery

Bentel & Margedant, Hamilton, O.
Bicknell Mfg. & Supply Co. ("Bicknell's" Belt), Janesville, Wis.
Fischer E. Machine Works (Double Disc Sander for Box Factories, etc.), 710 Carroll av, Chicago, Ill.
West St. Louis Machine & Tool Co., 606 Manchester av, St. Louis, Mo.

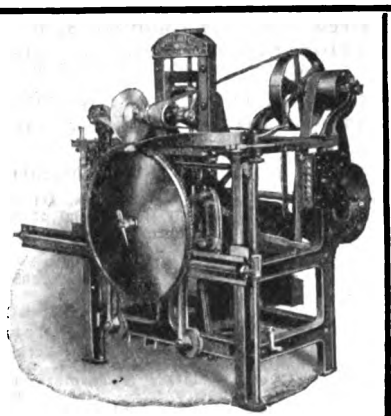
Sanitary Can-Making Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Sash Chain Machines

Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.

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WE MAKE ALL KINDS OF

Saw sharpening machinery and tools, automatic and hand, for the care of Wood saws, band, gang and circular saws; both cross cut and rip.

Metal saw sharpeners for sharpening Bryant and Higley teeth also milling cutter teeth and hot saws.

Knife grinders, automatic, for all kinds of machine knives.

Complete filing-room equipments.

COVEL MFG. COMPANY

BENTON HARBOR, MICHIGAN

Sash, Door & Blind Machinery

American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill. Factory, Rockford, Ill.
Hayes, E. B. Machine Co., Oshkosh, Wis.
Hendy, Joshua Machine Works, San Francisco, Cal.
Power, L. & Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. H.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Sash Grooving Machines

Smith & Phillips Mfg. Co., 122 N Sangamon, Chicago, Ill.

Sash Trimmer Machines

Heald Machine Co. ("American" for Diamond & Irregular Sash), Worcester, Mass.

Saturating Machinery for Paper Mills

Haberkamp, Wm. Machine Works, 69 N Wells, Chicago, Ill.
Moore & White Co., Phila., Pa.

Sausage Making Machines

Smith's, Jno. E. Sons Co. ("Buffalo Silent"), 50 B'way, Buffalo, N. Y.

Saw Filing & Setting Machines

(See also File Room Machinery; also Band Saw Filing & Setting Machines)

Bisbop, Geo. H. & Co., Lawrenceburg, Ind.
COVEL MFG. CO. (Power Setting), Benton Harbor, Mich. (See adv. index, end of book)
Detrick & Harvey Machine Co., Baltimore, Md.
Grimes & Harris (For Band Saws), Leominster, Mass.
Hanchett Swage Works ("Hanchett," for Band Saws), Big Rapids, Mich.
New Britain Machine Co. ("Equal Blow" Power Setting), New Britain, Conn.
Nutter, Barnes & Co. (Automatic), Boston, Mass.
Rotary File & Machine Co. ("New Reliable" Automatic, for Circular Saws), 589 Kent av, Brooklyn, N. Y.
Simonds Mfg. Co., Fitchburg, Mass.
Wright, Chas. E. & Co., Kenilworth, N. J.

Saw Fitting Machinery

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Oldham, Joshua & Sons (Inc.), 112 26th, Brooklyn, N. Y.

Saw Making Machinery

Hess Machine Works (Saw Setting & Cutting Machines), 2512 Callowhill, Phila., Pa.

Saw Mill Machinery

(See also Saw Mills, Various Kinds; also Shingle Mill Machinery; also Lath Mills & Bolters; also Lath & Picket Mills)

Abbott, D. S. Co., Olean, N. Y.
Adams, W. T. Machine Co., Corinth, Miss.
Alabama Iron Works, Mobile, Ala.
Albany Iron Works, Albany, Ore.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Saw Mill Machinery Co., 50 Church, New York, & Hackettstown, N. J.
Ashland Iron Works, Ashland, Ore.
Atlanta Machine Works, Atlanta, Ga.
Aultman & Taylor Machinery Co., Mansfield, O.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Barnard Mfg. Co., Spokane, Wash.
Bartlett, A. F. & Co., Saginaw, Mich.
Bartley, Wm. & Son, Bartley, N. J.
Bartlett-Tewksbury Machine Mfg. Co., Birmingham, Ala.
BEGGS, JAMES & CO. (Dealers), 109 Liberty, New York. (See adv. index, end of book)
Burpee & Letson (Ltd.), South Bellingham, Wash.
Chambersburg Engineering Co., Chambersburg, Pa.
Chandler & Taylor Co., Indianapolis, Ind.
Chapman, T. M. Sons Co., Old Town, Me.
Chase Turbine Mfg. Co., Orange, Mass.
Chattanooga Machine Co., Chattanooga, Tenn.
Chickasaw Iron Works, Memphis, Tenn.
Clark Bros. Co., Belmont, N. Y.
Cole Mfg. Co., Lakeport, N. H.
Columbia Engineering Works, Portland, Ore.
Cook R. A., Stevens Point, Wis.
Corinth Engine & Boiler Works, Corinth, Miss.
Curtis & Co., Mfg. Co., St. Louis, Mo.
De Loach Mill Co., Bridgeport, Ala.
Diamond Iron Works (Full Line), Minneapolis, Minn.
DuBois Iron Works, DuBois, Pa.
Enterprise Mfg. Co., Columbiana, O.
Eureka Bark Mill Co., Lancaster, Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fisher & Davis, 1024 N. Main, St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Fulton Engine Works, Los Angeles, Cal.
Gaar, Scott & Co., Richmond, Ind.
Gainesville Iron Works, Gainesville, Ga.
Garland, M. Co., Bay City, Mich.
Geiser Mfg. Co., Waynesboro, Pa.
Georgia Iron Works, Augusta, Ga.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Hayes, F. B. Machine Co., Oshkosh, Wis.
Heilman Machine Works, Evansville, Ind.
Hench & Dromgold Co., Inc., York, Pa.
Henderson, W. K., Iron Works & Supply Co., Shreveport, La.
Hendy, Joshua Machine Works, San Francisco, Cal.
Hill, W. B. & Co., Kalamazoo, Mich.
Howell, R. R. & Co., Minneapolis, Minn.
Humphrey Machine Co., Keene, N. H.
Jackson & Church Co., Saginaw, Mich.
Kehoe, Wm. & Sons, Savannah, Ga.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Kline, Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, O.
Lake Shore Engine Works, Marquette, Mich.
Lane Mfg. Co., Montpelier, Vt.
Lexington Engine & Saw Mill Works, Lexington, Ky.
Liddell Co. (Inc.), Charlotte, N. C.
Lufkin Foundry & Machine Co., Lufkin, Tex.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lyon Iron Works, Greene, N. Y.
McDonough Mfg. Co., Eau Claire, Wis.
Mallary Bros. Machinery Co., Macon, Ga.
Manistee Iron Works, Manistee, Mich.
Marinette Iron Works Mfg. Co., Marinette, Wis.
Mason, C. Z., Olympia, Wash.
Mecklenburg Iron Works, Charlotte, N. C.
Memphis Machine Works, Memphis, Tenn.
Moltz, Jacob J., Williamsport, Pa.
Moravia Mfg. Co., Moravia, N. Y.
Morgan & Vorce (Portable), Warwick, Mass.
Murray, D. J. Mfg. Co., Wausau, Wis.
Murray Iron Works Co., Burlington, Ia.
Myrick Machine Co., Olean, N. Y.
North Alabama Engineering Co., New Decatur, Ala.
Phoenix Iron Works, Portland, Ore.
Phoenix Mfg. Co., Eau Claire, Wis.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Portland Iron Works, Portland, Ore.
Prescott Co., Menominee, Mich.
Robinson & Co., Richmond, Ind.
Russell & Co., Massillon, O.
Salem Iron Works, Winston Salem, N. C.
Sinker-Davis Co., Indianapolis, Ind.
Smith, Myers & Schuler Co., Cincinnati, O.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Soule Steam Feed Works (Steam Feeds, Dogs, Dollies, Stackers, Conveyors, etc.), Meridian, Miss.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Mfg. Co., Erie, Pa.
Sumner Iron Works, Everett, Wash.
Trevor Mfg. Co. (Short Log), Lockport, N. Y.
Union Iron Works, Bangor, Me.
Vulcan Iron Works, 505 Mission, San Francisco, Cal.
Vulcan Iron Works Co., Seattle, Wash.
Wheland Machine Works, Chattanooga, Tenn.
Whitney & Whitney (Portable), Warwick, Mass.
Wickes Bros., Saginaw, Mich.
Wilkin-Challoner Co., Oshkosh, Wis.
Wisconsin Engine Co., Corliss, Wis.

Saw Mill Machinery (Elevating & Conveying)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Saw Setting Machines

(See Saw Filing & Setting Machines; also Band Saw Filing & Setting Machines; also File Room Machinery)

Saw Sharpening Machines

(See also Sharpeners, Saw; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Cochrane-Bly Co., Rochester, N. Y.
COVEL MFG. CO. (For Automatic Band, Gang, Circular & Metal Saws, etc.), Benton Harbor, Mich. (See adv. index, end of book)
Crown Iron Works Co. ("Blackmer"), Minneapolis, Minn.
Diamond Machine Co., Providence, R. I.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Espen-Lucas Machine Works (Power, Automatic), 342 N 15th, Phila., Pa.
Fairbanks, E. & T. Co., St. Johnsbury, Vt.

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Higley Machine Co., Croton Falls, N. Y.
Hunter Saw & Machine Co., Pittsburg, Pa.
Newton Machine Tool Works (Inc.), 2347 Vine, Phila., Pa.
Nutter, Barnes & Co. (14 to 80-in. Automatic), 320 A, Boston, Mass.
Quincy-Manchester-Sargent Co., Plainfield, N. J.
Rogers, Saml. C. & Co. ("Buffalo" Band & Circular), 10 Lock, Buffalo, N. Y.
Rotary File & Machine Co. (Automatic for Band & Circular Saws), 589 Kent av, Brooklyn, N. Y.

Scarfing Machines

Buffalo Steam Roller Co., Buffalo, N. Y.
United Engineering & Foundry Co. (Movable Motor Driven for Pipe & Tube Mills), Pittsburg, Pa.

Screening Machinery

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Screw Cap Rolling Machines

American Can Co. ("Rudolph" & "Krummel" Automatic), 135 Adams, Chicago, Ill.

Screw Cutting Machines

Automatic Machine Co., Bridgeport, Conn.
NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
Potter & Johnson Machine Co., Pawtucket, R. I.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Screw Driving Machines

Reynolds Machine Co. (Automatic Power), Rock Island, Ill

Screw Heading Machines

Cook, Asa S. Co., Hartford, Conn.
Manville, E. J. Machine Co., Waterbury, Conn

Screw Machines

(See also Lathes, Turret)

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co. (Plain, Wire Feed, Automatic, etc.), Providence, R. I.
Cleveland Automatic Machine Co. (Automatic), 131 2d av, Cleveland, O.
Dreses Machine Tool Co., Cincinnati, O.
Davis Sewing Machine Co. (Automatic, Multiple Spindle), Dayton, O.
Fay & Scott (Hand), Dexter, Me.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Hartford Machine Screw Co. (Automatic Threading), Hartford, Conn.
Jones & Lamson Machine Co., Springfield, Vt.
Landis Machine Co., Waynesboro, Pa.
Meriden Machine Tool Co., Meriden, Conn.
NATIONAL-ACME MFG. CO. ("Acme" Automatic Multiple Spindle; Special Attachments for Side Drilling, Side Milling & End Milling), Cleveland, O. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., (Sheet metal), Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co. (Automatic), 111 B'way, New York
Pratt & Whitney Co. (Automatic Shaping), Hartford, Conn.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Smurr & Kamen Machine Co. (Plain Head), 97 S Clinton, Chicago, Ill.
STRONG, CARLISLE & HAMMOND Co., 330-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Warner & Swasey Co. (Turret), Cleveland, O.
Windsor Machine Co. ("Gridley" Automatic), Windsor, Vt.

Screw Machines (Automatic)

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Automatic Machine Co., Cleveland, O.
Hartford Machine Screw Co. (Turning & Threading), Hartford, Conn
NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
Peerless Automatic Machine Co., Cleveland, O.
Pratt & Whitney Co. (With Magazine Attachment, etc.), Hartford, Conn.
Universal Machine Screw Co., Hartford, Conn.
Wells, F. E. & Son Co., Greenfield, Mass.
Windsor Machine Co. ("Gridley"), Windsor, Vt

Screw Machines (Gimlet Pointing, Coach)

Manville, E. J. Machine Co., Waterbury, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.

Screw Machines (Double Turret Hand)

Garvin Machine Co., 137 Varick, New York.

Screw Machines (Hand)

Bardons & Oliver, 1133 W 9th, Cleveland, O.
BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Dreses Machine Tool Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Foster-Kimball Co., Elkhart, Ind.
Garvin Machine Co., Spring & Varick, New York
Pratt & Whitney Co., Hartford, Conn.
Warner & Swasey Co., Cleveland, O.
Windsor Machine Co., Windsor, Vt.

Screw Machines (Multiple Spindle)

NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)

Screw Making Machines (Automatic)

NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)

Screw Machines (Sheet Metal)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Screw Polishing Machines

Brown & Sharpe Mfg. Co., Providence, R. I.

Screw Shaving Machines

Brown & Sharpe Mfg. Co., Providence, R. I.
Garvin Machine Co., 137 Varick, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Potter & Johnson (Shaving & Turning), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.

Screw Slotting Machines

(See also Slotting Machines)

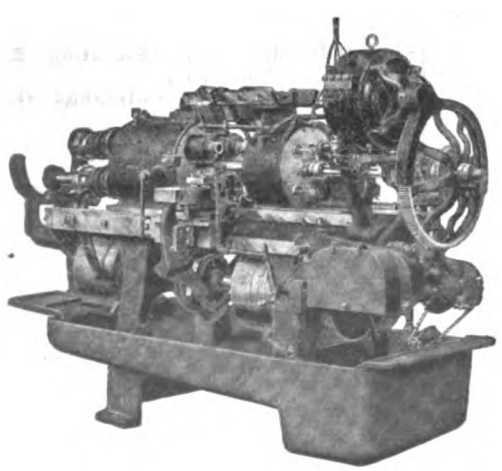
Brown & Sharpe Mfg. Co., Providence, R. I.
Davis Sewing Machine Co. (Automatic), Dayton, O.
Garvin Machine Co., 137 Varick, New York.
Grant Mfg. & Machine Co., Bridgeport, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Hubbell, Harvey, Bridgeport, Conn.
Manville, E. J., Machine Co., Waterbury, Conn.
NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
Taylor & Fenn Co. (Automatic, 15,000 to 18,000 Screws a Day), 54 Arch, Hartford, Conn.

Screw Thread Rolling Machines

Blake & Johnson Co., Waterbury, Conn.
Leffler, Chas. & Co. (For Sheet Metal Screws, etc.), 63 Clymer, Brooklyn, N. Y.
Manville, E. J. Machine Co. (Automatic), Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Scroll Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y., & West st bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Barnes, W. F. & Jno. Co. (Foot & Power), Beach, H. W., Montrose, Pa. Rockford, Ill.
Bentel & Margedant Co., Hamilton, O.
Colladay, Jos O., 624 Race, Phila., Pa.
Cordesman, Bechtin Co., Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.



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WAREHOUSES: New York, 77 White St. Chicago, 56 W. Washington St.

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Grammes, L. F. & Sons, Allentown, Pa.
Power, L. & Co., 20 S 23d, Phila., Pa.
Seneca Falls Mfg. Co. (Foot & Power), Seneca Falls, N. Y.
Seymour & Whitlock, Newark, N. J.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Scythe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

Seaming Machines

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)

Seat Back Bending Machinery

Bentel & Margedant Co., Hamilton, O.

Seed Cleaning & Separating Machinery

(See Grain Cleaning & Grading Machinery)

Seine Making Machinery

(See Netting Machines)

Separating Machinery (Cotton Seed)

Buckeye Iron & Brass Works, Dayton, O.

Sewer Cleaning Machines

Healey Sewer Machine & Construction Co., 15 Beacon, Boston, Mass.
Shannon, J. H. & R. Co. ("Shannon"), 538 Bergen av, Jersey City, N. J.

Sewer Excavating Machinery

(See Sewer & Trench Excavating Machines)

Sewer Pipe Machinery

American Clay Machinery Co., Bucyrus, O.
Davis-Price Fdy. & Machine Co., New Cumberland, W. Va.
Freese, E. M. & Co., Galion, O.
Means Foundry & Machine Co., Steubenville, O.
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.
Turner, Vaughan & Taylor Co., Cuyahoga Falls, Ohio

Sewer & Trench Excavating Machines

Bucyrus Co. (Steam Shovel Type), South Milwaukee, Wis.
Carson French Machine Co., 16 Dorrance, Boston, Mass.
Fairbanks Steam Shovel Co., Marion, O.
Heffron Trenching Co. ("Heffron" Trenching Machines), Neave bldg, Cleveland, O.
Municipal Engineering & Contracting Co. ("Chicago"), R'y Exch bldg, Chicago, Ill.
Noble, H. A. (Odorless Excavating), 203 Dock, Phila., Pa.
Parsons, G. W. Co. ("Parson's" Newton, Ia.
Potter Mfg. Co, Indianapolis, Ind.
SHAW, WILLIS CO. (Sewer & Trench Machines), 171 La Salle, Chicago, Ill. (See adv. index, end of book)

Sewing Machines

(For page number consult Index of Contents)

Shading Machines (Lithographers' & Photo-Engravers')

American Shading Machine Co., 164 Rans, Buffalo, N. Y.

Shaft Boring Machines

Pratt & Whitney Co., Hartford, Conn.

Shaft Polishing Machines

Brightman Mfg. Co., Shelby, O.

Shaft Straightening Machines

Brightman Mfg. Co., Shelby, O.
Fitchburg Machine Works (Shaft, etc.), Fitchburg, Mass.
Loegemann Bros. Co. ("Loegemann." Hydraulic Shaft & Pipe Straightener), Milwaukee, Wis.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.) (Hand or Power), 1000 Hamilton, Phila., Pa.
Springfield Machine Tool Co., Springfield, O.

Shaft Turning Machines

(See Lathes, Shaft Turning)

Shafting Machinery

Brightman Mfg. Co., Shelby, O.
Franklin Machine Co., Providence, R. I.

Shaping Machines (Metal)

American Tool Works Co. (Crank & Geared), Cincinnati, O.
Barker, Wm. A. & Co. (Crank & Geared), c Pioneer & Culvert, Cincinnati, O.
Boynton & Plummer (Hand & Power), Worcester, Mass.
Cincinnati Shaper Co. (Crank, Geared, Traverse & Open Side), Cincinnati, O.
Fellows Gear Shaper Co. (Gear), Springfield, Vt.
Fitchburg Machine Works, Fitchburg, Mass.
Flather & Co., Nashua, N. H.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Gould & Eberhardt (Double Triple Quick Stroke, Extension Base Shaper), Newark, N. J.
Hamilton Machine Tool Co. (10, 20 & 24-inch), Hamilton, Ohio
Hendey Machine Co. (Pillar), Torrington, Conn.
Juengst, Geo. & Sons (Crank), Croton Falls, N. Y.
Kelly, R. A. Co. (Crank), Xenia, O.
Lutter & Gies ("Milwaukee," 16 & 24-inch Back Geared Crank Shapers), Milwaukee, Wis.
Manning, Maxwell & Moore, 85 Liberty, New York
Morton Mfg. Co. (Draw Cut), Muskegon Heights, Mich.
Newark Gear Cutting Machine Co., Newark, N. J.
New Haven Mfg. Co., New Haven, Conn.
Newton Machine Tool Works, 2847 Vine, Phila., Pa
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Friction), Warren, Mass.
Potter & Johnson Machine Co. (Universal), Pawtucket, R. I.
PRENTISS TOOL & SUPPLY Co., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Queen City Machine Tool Co., Cincinnati, O.
Reed, J. B. (Triple Gear, etc.), Cairo, Ill.
Rhodes, L. E. (Crank), Hartford, Conn.
Sellers, Wm. & Co. (Inc.), 1000 Hamilton, Phila., Pa.
Shepard Lathe Co., 129 W 2d, Cincinnati, O.
Smith & Mills (Crank & Geared), c Spring Grove av & Township, Cincinnati, O.
Springfield Machine Tool Co. (Crank & Geared), Springfield, O.
Steptoe, Jno. Shaper Co. (Crank & Geared), 2040 Colerain av, Cincinnati, O.
Stockbridge Machine Co. (Two-Piece Crank & Geared Drive), Worcester, Mass.
Walcott & Wood Machine Tool Co. (15, 22, 26, 30, 34 & 48-inch Geared & 16 & 18-inch Elliptical Gear Crank Shaper, with Back Gear; also 20 & 24-inch Elliptical Gear Crank), Jackson, Mich.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Shaping Machines for Steel Foundries

Wetherill, R. & Co., Chester, Pa.

Shaping Machines (Wood)

(See also Wood Carving Machines)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)
American Steam Pump Co. (Spindle Shapers, etc.), Battle Creek, Mich.
American Woodworking Machinery Co., Rochester, N. Y., & West St bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Bentel & Margedant Co., Hamilton, O.
Colladay, Joseph O., 636 Race, Phila., Pa.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Hayes, E. B. Machine Co. (Double End), Oshkosh, Wis.
Heath, W. A. Machine Co., Lestershire, N. Y.
Klotz Machine Co., Sandusky, O.
Ober Mfg. Co. (Combined Shaper, Saw & Jointer), Chagrin Falls, O.
Porter, C. O. & A. D., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Yerkes & Finan Woodworking Machine Co. (Double Spindle Shaper, etc.), St. Louis, Mo.

Sheep Shearing Machines

American Shearer Mfg. Co. ("Priest's"), Nashua, N. H.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Ball Bearing), La Salle av & Ontario, Chicago, Ill. (See adv. index & & branch offices, end of book)
COATES CLIPPER MFG. CO. ("Coates" Flexible Shaft), Worcester, Mass. (See adv. index, end of book)
Gillette Clipping Machine Co., 110 W 32d, New York
Goes, Oscar & Co. ("Allen" & "Pioneer-American"), 16 S Canal, Chicago, Ill.

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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Sheet Lead Rolling Machines

Farrel Foundry & Machine Co., Ansonia, Conn.

Sheet Metal Forming Machinery

(See also Sheet Metal Workers' Machines & Tools)

Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, New York. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Sheet Metal Lath Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, New York. (See adv. index, end of book)
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.

Sheet Metal Workers' Machines & Tools

(See also Punching Machines, Various Kinds; also Presses, Various Kinds; also Shears, Various Kinds)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Can Co., Merchants' Loan & Trust bldg, Chicago, Ill.
American Hdw. Mfg. Co., Ottawa, Ill.
Armor-Clad Mfg. Co., Canton, O.
Automatic Specialty Co., Cincinnati, O.
Ayars Machine Co., Salem, N. J.
Berger Bros. Co., 237 Arch, Phila., Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bertsch & Co., Cambridge City, Ind.
Brown, F. S. & G. L., Baltimore, Md.
Burritt, O. W. & Bros., Weedsport, N. Y.
CANTON FOUNDRY & MACHINE CO., ("Universal"), Canton, O. (See adv. index, end of book)
Consolidated Press & Tool Co., Hastings, Mich.
Double Truss Cornice Brake Co., Buffalo, N. Y.
Dreis & Krump Mfg. Co., 3214 S Halsted, Chicago, Ill.
Eclipse Machine Co. ("Eclipse," Gutter Beading & Forming Machines), Troy, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Keene, Geo. O. & Co., Cincinnati, O.
Leffer, Chas. & Co., 63 Clymer, Brooklyn, N. Y.
Lethwaite, T. H., 413 E. 31st, New York.
Loy & Nawrath Co., Newark, N. J.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.
Packham Crimper Co., Mechanicsburg, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Pocock, Oliver (Forming Machine), 1042 Harriet, Cincinnati, O.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Robinson, J. M. Mfg. Co., Cincinnati, O.
Swaine, Fred. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass. Works: Beverly, Mass.
V. & O. Press Co., Glendale Station, Long Island, N. Y.
Weiss, H. & Co., 20 Cliff, New York
Whelan, D. J. (Est. of), Troy, N. Y.
Wold, Torris & Co., 66 N Jefferson, Chicago, Ill.
Zeh & Hahnemann, Newark, N. J.

Sheet Mill Machinery

(See also Rolling Mill Machinery)

Aetna Foundry & Machine Co., Warren, O.
Braddock Machine & Mfg. Co., Braddock, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Sheet Pasting Machines

Blessing, Louis (For Strawboard or Pulp Sheet Pasting), Jackson, Mich.

Sheet Pile Driving Machines

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Sheeting Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Shingle Mill Machinery

Abbott, D. S. Co., Olean, N. Y.
Adams, S. & Son (Saw & Shingle Mill Machinery), Rome, N. Y.
Adams, W. T. Machine Co., Corinth, Miss.
American Sawmill Machinery Co. ("American" & "Climax"), 50 Church, New York, Works, Hackettstown, N. J.
Austin & Son, Grand Rapids, Mich.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bolton Lath & Shingle Machinery Co., Minneapolis, Minn.
Butterworth & Loew, Grand Rapids, Mich.
Challoner's, Geo. Sons Co., Oshkosh, Wis.
Chase Turbine Mfg. Co., Orange, Mass.
Cook, R. A., Stevens Point, Wis.
Curtis & Co. Mfg. Co. ("Dixie"), St. Louis, Mo.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Georgia Foundry & Machine Works, Rome, Ga.
Gerlach, Peter Co., Cleveland, O.
Hendy, Joshua Machine Works, San Francisco, Cal.
Howell, R. R. & Co., Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Lovell, F. S. Machine Works, Fitchburg, Mass.
Lyon Iron Works, Greene, N. Y.
Mason, C. Z., Olympia, Wash.
Murray, D. J. Mfg. Co., Wausau, Wis.
Novelty Iron Works (G. E. Davis, Prop.), ("Triumph," "Evarts"), Dubuque, Iowa
Perkins & Co., Grand Rapids, Mich.
Phoenix Mfg. Co., Eau Claire, Wis.
Rochester Barrel Machine Works, Rochester, N. Y.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Street Bros. Machine Works, Chattanooga, Tenn.
Sumner Iron Works, Everett, Wash.
Trevor Mfg. Co., Lockport, N. Y.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.
Vulcan Iron Works Co., Seattle, Wash.
Walker-Challoner Co., Oshkosh, Wis.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Ship Building Machinery

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Shipping Tag Machines

Toledo Machine & Tool Co., Toledo, O.

Shoe Machinery

Adams, Jno. J., Worcester, Mass.
Allen Machine Co., Haverhill, Mass.
Bartlett, E. E., 328 A, Boston, Mass.
Bresnahan Shoe Machinery Co., Lynn, Mass.
Carver Cotton Gin Co., East Bridgewater, Mass.
Champion Shoe Machinery Co. (Wax Thread Sewing or Stitching Machine, etc.), St. Louis, Mo.
Cilley, W. W. & Co. (Stitchers), Lynn, Mass.
Freeman & Duckworth, Lawrence, Mass.
Freeman, Louis G., 212 E 9th, Cincinnati, O.
Heald Machine Co. (Crimping Machines), Worcester, Mass.
Keighley, Wm. B., Vineland, N. J.
King, L. B. (Stitchers), Lynn, Mass.
Lufkin, R. H. (Vamp Marking Machines), 38 Chardon, Boston, Mass.
Mitchell, Robert Machinery Co. (Electrical Shoe Ironers, Wax Pots, etc.), 11 Jefferson av, Detroit, Mich.
Parker Mfg. Co., Boston, Mass.
Rogers, John F. (Vamp Marking Machines), Belfast, Me.
Ross-Mayer Mfg. Co. (Heel Building Machines), Cincinnati, Ohio.
Seelye Mfg. Co., 118 South, Boston, Mass.
Shrines, Hannah A., Lynn, Mass.
Stanbon, Chas. P. & Co., Lynn, Mass.
Stimpson, Edwin B. Co., (& Supplies), 31 Spruce, New York
Stanley Co., Lawrence, Mass.
Tower Bros., Hudson, Mass.
Treen-Sawyer Shoe Machinery Co. (Stitchers), Lynn, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass. Works: Lynn, Mass., & Winchester, Mass.
Wellman Co., Medford, Mass.

Shoe Peg Machinery

Cowdrey & Co., Fitchburg, Mass.
Humphrey Machine Co., Keene, N. H.

Shoe Shining Machines (Automatic)

Westmoreland Automatic Machine Co., Irwin, Pa.

Shop Sawing Machines (Iron)

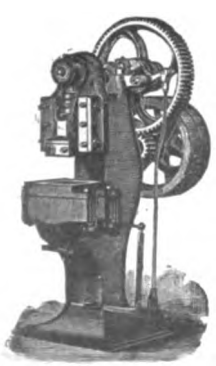
(See Cold-Saw Cutting-Off Machines; also Hot Sawing Machines; also Rail Sawing Machines)

Shot Machines

Fanning, J. P., 678 Jefferson av, B'klyn, N. Y.

Shovel Handle Machinery

Union Foundry & Machine Co. (Handle Forming & Bending), Pittsburg, Pa.



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Shovel Machinery

Bertsch & Co., Cambridge City, Ind.
Frankford Foundry & Machine Works, Franklin, Phila., Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
West St. Louis Machine & Tool Co. (Also Sanding & Polishing Machines), 606 Manchester av, St. Louis, Mo.

Shuttle Machinery

Carey, W. W., 514 B'way, Lowell, Mass.

Side Sawing Machines

Connells & Dengler Machine Co. (Self Centering, etc.), Rochester, N. Y.

Sifting Machinery

Great Western Mfg. Co. (For Flour Mills), Leavenworth, Kans.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Sizing Machines

United Engineering & Foundry Co. (for ⅜ to 4-inch Butt Weld Pipe), Farmers' Bank bldg, Pittsburg, Pa.

Sizing or Spooling Machines

Lang, E. M. Co. (Canners), Portland, Me.

Skewer Machinery

Smith, H. B. Machine Co., Smithville, N. J.

Skidding Machines (Steam Log Skidders)

RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

Skiving Machines (Strawboard)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Slabbing Machines

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.

Slack Barrel Machinery

(See Barrel, Keg, Stave & Heading Machinery)

Slag & Cinder Machines

Heyl & Patterson (For Blast Furnaces), Pittsburg, Pa.

Slate Dressing Machines

FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)

Slate Drilling & Countersinking Machines

FLORY S. MFG. CO. ("Flory" Power), Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)

Slate Grooving Machines

FLORY S. MFG. CO. (Hand Power), Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)

Slate Machinery

FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Fulmer, J. H. ("Universal" Slate Punches & Shapes), Nazareth, Pa.
Lincoln Iron Works, Rutland, Vt.
Patch, F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. (Planers, Saws, Groovers, Trimmers, Drills, etc.), Poultney, Vt.

Slaughter House Machinery

(See also Packing House Machinery)

Smith, Theo. & Sons Co. (Digestors, etc.), ft of Essex, Jersey City, N. J.

Slicing Machines (Bread, Meat, Etc.)

Arcade Mfg. Co. (Also for Vegetables, Fruits, etc.), Freeport, Ill.
Horton & Link Mfg. Co. ("Gem" for Bread, Meat, Vegetables, etc.), Herkimer, N. Y.

Slip Joint Machines

CANTON FOUNDRY & MACHINE CO. ("Universal"), Canton, O. (See adv. index, end of book)

Slitting Machines

(See also Sheet Metal Workers' Machines & Tools)

Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Kidder Press Co., Dover, N. H.
Leffler, Chas. & Co. (For Can Makers, etc.), 63 Clymer, Brooklyn, N. Y.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Norton-Jones Machine Tool Works, Plainville, Conn.
Standard Machinery Co. (Gang Patterns, etc.), Providence, R. I.
Toledo Machine & Tool Co. (Gang Pattern, etc.), Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co. (Gang Slitters for Brass Goods, etc.), Waterbury, Conn.

Slot Machines

(See Vending Machines)

Slotting Machines

(See also Screw Slotting Machines)

Baker Bros., Toledo, O.
Betts Machine Co. (8 to 26-inch stroke), Wilmington), Del.
Clough, B. M., Tolland, Conn.
Dill, T. C. Machine Co. (Inc.), Phila., Pa.
Espen-Lucas Machine Works (Stationary & Portable), 342 N 15th, Phila., Pa.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Garvin Machine Co., 137 Varick, New York
Grant Mfg. & Machine Co., Bridgeport, Conn.
Hartford Machine Screw Co. Hartford, Conn.
Hendy, Joshua Machine Works, San Francisco, Cal.
Hendey Machine Co., Torrington, Conn.
High Duty Saw & Tool Co. (Cold Saw), Eddystone, Pa.
Morton Mfg. Co. (Portable), Muskegon Heights, Mich.
New Haven Mfg. Co., New Haven, Conn.
Newton Machine Tool Works, 2847 Vine, Phila., Pa.
Niles Bement-Pond Co., (Crank, Geared & Frame), 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Waterbury-Farrel Foundry & Machine Co. (Screw Head), Waterbury, Conn.

Slotting Machines (Locomotive Frame)

Niles-Bement-Pond Co., 111 B'way, New York
Sellers, William & Co., 1600 Hamilton, Phila., Pa.

Slotting Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Slotting Machines (Portable)

Espen-Lucas Machine Works, Phila., Pa.
Morton Mfg. Co., Muskegon Heights, Mich.
Newton Machine Tool Works (Inc.), Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York

Smashing Machinery

Sheridan, T. W. & C. B. Co. (Bookbinders), 56 Duane, New York

Smelting Machinery

(See also Mining Machinery)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Colorado Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Colo.
Hendy, Joshua, Machine Works, San Francisco, Cal.
Power & Mining Machinery Co., Cudahy, Wis.
Salt Lake Engineering Works, Salt Lake City, Utah
Silver, Hynum A. Foundry & Machine Co., Salt Lake City, Utah
Traylor Engineering Co., Allentown, Pa.

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Smoke Test Machines

Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Beekman Sanitary Specialty Co., 101 Beekman, New York
Dumond, A. A. ("Dumond" Triplex Plumbing Test Apparatus), Rochester, N. Y.
Gunster & Forsyth, Scranton, Pa.
Knapp Mfg. Co., 20 Warren, New York
Vanderman Plumbing & Heating Co., Willimantic, Conn.

Smoked Beef Shaving Machines

Enterprise Mfg. Co. (of Pa.) ("Enterprise" Rotary), Phila., Pa.

Smokeless Powder Mixing Machines

Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

Snuff Factory Machinery

Girard Machine Works (Inc.), 2016 Girard av, Phila., Pa.

Soapmakers' Machinery

Blanchard Machine Co., Cambridge, Mass.
Blettner, Jos. B. & Co., 1976 Central av, Cincinnati, O.
Bowman, Walker, 30 Cortlandt, New York
Condon, Thos. F. & Co., 50 Church, New York
Dopp, W. H. Co., Buffalo, N. Y.
Dundon's San Francisco Iron Works, San Francisco, Cal.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.
Houchin, Aiken Co. (Toilet, Laundry, etc.), 37 53d, Brooklyn, N. Y.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
WETHERILL BROS. MACHINE CO. (Clippers & Cutters), Chester, Pa. (See adv. index, end of book)

Soap Mixing Machines

Blanchard Machine Co., Cambridge, Mass.
Dopp, W. H. Co., Buffalo, N. Y.
Dundon's San Francisco Iron Works, San Francisco, Cal.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.
Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.

Socket Threading Machines

Taylor-Wilson Mfg. Co. (For Pipe & Tube Mills), McKees Rocks, Pa.

Solder Cap Hemming Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Soldering Machines

Astoria Iron Works (Inc.) (Side Seam, Chain & Special), Astoria, Ore.
Benedict, L. ("Leiger" Lock Seam Body Forming & Soldering Machines), 128 S Clinton, Chicago, Ill
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Consolidated Press & Tool Co., 90 N Clinton, Chicago, Ill.
Fanning, J. P. (Triangular), 678 Jefferson av, Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Hubbard, W. H. Mfg. Co., Brooklyn, N. Y.
Lang, E. M. Co. (Wire, Drop & Stick, Single & Double Wire & Segment), Portland, Me.
Leffler, Chas. & Co., Brooklyn, N. Y.
Marquette, Jno. N., 507 S Eden, Baltimore, Md.
NIAGARA MACHINE & TOOL WKS. Buffalo, N. Y. (See adv. index, end of book)

Sole Leather Rolling Machines

Baker, G. W. & Co., Wilmington, Del.

Sounding Machines

Hand, Jno. & Sons ("Sir Wm. Thompsons"), 222 Walnut, Phila., Pa.

Special Machinery

ABENDROTH & ROOT MFG. CO. (Made According to Specifications), Newburgh, N. Y. (See adv. index & branch offices, end of book)
Adrianee Machine Works, 254 Van Brunt, Brooklyn, N. Y.
Aetna Foundry & Machine Co., Warren, O.
American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
American Can Co., Merchants' Loan & Trust bldg, Chicago, Ill.
Atlantic Works, East Boston, Boston, Mass
Automatic Machine Co., Bridgeport, Conn.
Automatic Specialty Co. (Paper Goods & Printing Machinery), 6th & Maymiller, Cincinnati, O
Baker Bros., Toledo, O.
Barbour-Stockwell Co., Cambridge, Mass.
Beaman & Smith Co., Providence, R. I.
Bender, Ph. J. & Sons, 87 Frankfort, New York
Bentel & Margedant Co., Hamilton, O.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Bethlehem Steel Co. (Heavy), South Bethlehem, Pa.
Bigelow Co. (Special Heavy), New Haven, Conn.
Billgram, Hugo, 1235 Spring Garden, Phila., Pa.
Birch & Birch, Crawfordsville, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry (For Agricultural Implement Makers, etc.), Derby, Conn.
Black & Clawson Co., Hamilton, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Brandt, Edw. J. Dent Co., Watertown, Wis.
Bridgeford, Chas. (Heavy), 225 Mill, Rochester, N. Y.
Brooks, Chas. J., 27 Artisan, New Haven Conn
BROWN, A. & F. CO., 25 Dey, New York. Works: Elisabethport, N. J. (See adv. index, end of book)
Brown, F. S. & G. L., Baltimore, Md.
Buchel Machine Works, New Orleans, La.
Budd & Ramney Mfg. Co., Columbus, O.
Buescher Band Instrument Co., Elkhart, Ind.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Buffalo, Steam Pump Co., 490 B'way, New York
Builders' Iron Foundry, Providence, R. I.
Cameron-Tennant Machine W'ks, Richmond, Va.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Carroll Foundry & Machine Works, Bucyrus, O
Carter & Hakes Machine Co., Winsted, Conn
Chester Engineering & Machine Co., Chester, Pa.
Coffee Machine Co., Richmond, Va.
Cothar, Wm. U., Springfield, O.
Cook, Asa S. Co., Hartford, Conn.
Cook, Henry C. Co., Ansonia, Conn.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Cowdrey, C. H. Machine Works, Fitchburg, Mass.
Crescent Novelty Mfg. Co. (Also Experimental), 703 S B'way, St. Louis, Mo.
Currier, Cyrus & Sons, Newark, N. J.
Curtis & Marble Machine Co., Worcester, Mass.
Davis-Johnson Mfg. Co., 345 Canal, Chicago, Ill.
Davis, W. P. Machine Co., Rochester, N. Y.
Deane, H. C. Machine Co., Fitchburg, Mass
Detrick & Harvey Machine Co., Baltimore, Md.
Dienelt & Eisenhard, 1308 N Howard, Phila Pa.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index, & branch offices, end of book)
Dodge Bros., Detroit, Mich.
Dodge Machine Works, Syracuse, N. Y.
Eagle Tool & Machine Co. (Special Machinery & Tools), 519 Ann, Pittsburg, Pa.
Eastwood Wire Mfg. Co. (Heavy & Fine) Bellerille, N. J
Eickmeyer Machine Co. (Experimental, etc.), Yonkers, N. Y
ELMES, CHAS. F. ENGINEERING Works (Mills, Linseed & Oil Machinery), Fulton c Sangamon, Chicago, Ill. (See adv. index, end of book)
Enterprise Machine Works, Richmond, Va.
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Fischer Foundry & Machine Co. (Heavy), Ford City, Pa.
FOOTE BROS. GEAR & MACHINE CO. (Engineers & Machinists), 46 N Carpenter, Chicago, Ill. (See adv. index, end of book)
Franklin Machine Co., Providence, R. I.
GANSCHAW, WM. CO., 370 Washington boul, Chicago, Ill. (See adv. index, end of book)
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Garvin Machine Co., 137 Varick, New York
Geier, P. A. Co., 5112 St. Clair av, N E Cleveland, O.
Girard Machine Works (Inc.) (Automatic & Special), 2016 Girard av, Phila., Pa.
Gisholt Machine Co. (Turret Lathes, Vertical & Horizontal Boring Mills & Tool Grinders), Madison, Wis.
Globe Machine & Stamping Co. (Machinery & Parts), 3808 Hamilton av, Cleveland, O.
Gould & Eberhardt, Newark, N. J.
Gregg Mfg. Co. (Foundry), 1318 W 4th, Cleveland, O.
Grimes, C. D. Machine Wks., Dayton, O.
Griswold, Geo. M., New Haven, Conn.
Harrington, Edwin Son & Co. (Inc.), 17th & Callowhill, Phila., Pa.
Harts, Henry V. Co. (Inc.), Cleveland, O.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hilbert Machine Co., Cincinnati, O.
Hoefer Mfg. Co., Freeport, Ill.
Hurd & Haggin (Automatic Machinery & Experimental Work & Models), 316 Hudson, New York
Keagy & Lear Machine Co., Coshocton, O.
Kent Machine Works, 30 Gold, Brooklyn, N. Y.
Kilby Mfg. Co. (Heavy), Cleveland, O.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Konigslow, E. Stamping & Tool Works (Light), 323 Champlain av, N W, Cleveland, O.
Langelier Mfg. Co., 67 Clifford, Providence, R. I.
Lazenby, F. A. & Co., Bush & Wicomico, Baltimore, Md.
Leffler, Chas. & Co. (Experimental), 63 Clymer, Brooklyn, N. Y.
Love Bros. (Inc.), Aurora, Ill.
McCarthy Bros. & Ford (Electrical), Buffalo, N. Y.
Manahan, J. Archibald, 1007 Park av, New York
Manville Bros. Co., Waterbury, Conn.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Montague Iron Works, Montague, Mich.
Morris, I. P. Co. (Heavy), Beach & Ball, Phila., Pa.
Morris Engineering Co. (Heavy, Hydraulic & High Speed, etc.), 37th & Reed, Phila., Pa.
Mossberg, Frank Co. (Light Machinery & Tools), Attleboro, Mass.
Mossberg Wrench Co., Central Falls, R. I.
Mueller Machine Tool Co., Cincinnati, O.
National Automatic Tool Co., Dayton, O.
National Machine Co., Hartford, Conn.
NESTOR MFG. CO. (Inc.), 40 W 13th, New York. (See adv. index, end of book)
Newark Gear Cutting Machine Co., Newark, N. J.
Newbold, R. S. & Son Co., Norristown, Pa.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Nilson, A. H. Machine Co., Bridgeport, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Nugent Tool Co., 2103 Central av, Cincinnati, Ohio
Pacific Iron Works (Inc.), Bridgeport, Conn.
Phila., Roll & Machine Co., S 23d & Wash'n av. Phila., Pa.
Poole, J. Morton Co., Wilmington, Del.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Portland Co., Portland, Me.
Pratt & Whitney Co., Hartford, Conn.
Pringle & Brodie Machinery Co., 277 S Canal, Chicago, Ill.
Queen City Engineering Co., Buffalo, N. Y.
Richard Mfg. Co. (For Tubing, Sheet Metal & Wire & Rod), Bloomsburg, Pa.
Rittenhouse, Frank, Norristown, Pa.
Rosedale Foundry & Machine Co. (Heavy Rolling Mill, etc.), Pittsburg, Pa.
Ross Mfg. Co. (Tools, Dies, Hardware Specialties, etc.), Cleveland, O.
Rowland Machine Co., New Haven, Conn.
Royersford Foundry & Machine Co., Royersford, Pa.
RUSSELL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Salem Iron Works (Inc.) (Also Experimental, Including Details, Drawings, etc.), Winston Salem, N. C.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Sellers, Wm. & Co., 1600 Hamilton, Phila., Pa.
Shawer Co., Springfield, O.
Shultz, Richard A. Co., 148 Ontario, Chicago, Ill.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. for Particulars Regarding the Manufacture of All Kinds of Special Machinery). (See adv. index, end of book)
Simonds Mfg. Co., Pittsburg, Pa.
Sonier, Geo. L. Mfg. Co., 490 B'way, Buffalo.
Stall, D. H. Co., Buffalo, N. Y.
Superior Tool & Supply Co., Cincinnati, O.
Taylor & Fenn Co. (Small Machinery a Specialty), 54 Arch, Hartford, Conn.
Taylor-Shantz Co., Rochester, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

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Thurston Mfg. Co., Providence, R. I.
Torrington Mfg. Co. (Dies & Tools), Torrington, Conn.
Treadwell, M. H. Co., 90 West, New York
Trump Bros. Machine Co. (Light), Wilmington, Del
Turner Machine Co., Newark, N. J.
United Engineering & Foundry Co. (For Rolling Mills & Tube Mills), Pittsburg, Pa.
VAN DORN & DUTTON CO. 2714 E 79th, S E Cleveland, O. (See adv. index, end of book)
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge, W Detroit, Mich. (See adv. index, end of book)
V. & O. Press Co., Glendale, L. I., N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.
Webster & Perks Tool Co., Springfield, O.
Wellman Co. (Automatic Machinery Designed & Constructed), Medford, Mass
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)
Willard Machine & Tool Co., Cincinnati, O.
Williams, White & Co., Moline, Ill.
Wilson, W. A. Machine Co., Rochester, N. Y.
Wishart-Burge Machine Works, 64 N Jefferson, Chicago, Ill.
Weld, Torris & Co. (For Sheet Metals), 66 N Jefferson, Chicago, Ill.
York Electric & Machine Co., York, Pa.

Spike Machinery

National Machinery Co. (Hand Feed, etc.), Tiffin, O.

Spinach Canners' Machinery

Judge Machine Co. (Mashers & Cookers), Baltimore, Md.
Huntley Mfg. Co. ("Monitor" Whirlpool Blanchers, Washers & Coolers), Silver Creek, N. Y.

Spindle Carving Machines

Porter, C. O. & A. D., Grand Rapids, Mich.

Spindle Drilling Machines

American Watch Tool Co. (Bench), Waltham, Mass.

Splitting Machines

(See also Leather Splitting Machines)

Long & Allstatter Co. (& Cross-Cutting Shears for Plate & Round or Flat Bar Iron or Steel, Belt, Motor or Steel Driven), Hamilton, O.

Spoke Machinery

(See Hub, Spoke & Rim Machinery)

Spoke Tenoning Machines

Silver Mfg. Co. ("Dole & Demings"), Salem, O.

Spool Stranding Machines

Watson Machine Co., Paterson, N. J.

Spool Stranding & Armoring Machines

Watson Machine Co., Paterson, N. J.

Spool & Bobbin Machinery

Cole Mfg. Co., Lakeport, N. H.
Defiance Machine Works, Defiance, O.
Goulspeed Machine Co., Winchendon, Mass.
Kline, Lewis T. (General Line), Alpena, Mich.
Wurkland, J. W. Barton, Vt.

Spoon & Fork Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Spraying Machines

(See also Paint Spraying Machines; also Pumps, Spray)

Dayton Supply Co. ("Nixon-Climax," for Lawn & Field), Dayton, O.
Eureka Pneumatic Spray Co. (Pneumatic), 62 Lafayette, New York
Hardie Mfg. Co. (Field & Orchard), Hudson, Mich.
Field Force Pump Co. (Hand & Horse Power), Elmira, N. Y
Hurst, H. L. Mfg. Co. ("Fitz-All"), Canton, O.
Myers, F. E. & Bro., Ashland, O.
Wallace Machinery Co. ("Wallace" Field; "Wallace Peerless," Gasoline Engine Power; "Wallace," Orchard); Champaign, Ill.

Spring Bed Machinery

Ivens, Wm. H. Sons Co., Trenton, N. J.
Wells, Frank, Kenosha, Wis.

Spring Clamping Machines

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Spring Closing Machines

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Spring Coiling Machines

American Can Co. ("Rudolph & Kummel"), 132 Adams, Chicago, Ill
Baird Machine Co. (Automatic), Oakville, Conn
Blake & Johnson Co., Waterbury, Conn.
Coulter & McKenzie Machine Co., Bridgeport Conn
Evans', Jno. Sons (Light & Heavy), 13th & Buttonwood, Phila., Pa
Garvin Machine Co., 137 Varick, New York.
Morgan Spring Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.
SHUSTER, F. B. CO. (Wire), New Haven, Conn. (See adv. index, end of book)

Sprue Cutting Machines

(See Cutters, Sprue, Foot & Power)

Stair Routing Machines

Smith & Phillips Mfg. Co., 122 N Sangamon, Chicago, Ill.

Stamping Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Stamping Machines (Adjustable)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Dewes, A. Co., 243 Centre, New York
Smith, M. D. (For Stamping Name on Spoon & Metal), Bristol, Conn.

Staple Machines

Acme Staple Co., 500 N 12th, Phila., Pa.
Baird Machine Co., Oakville, Conn.
Bates Machine Co., Joliet, Ill.
Morgan Spring Co., Worcester, Mass.
Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.
SHUSTER, F. B. CO. (Shear & Barbed Point, Automatic), New Haven, Conn. (See adv. index, end of book)
Special Machinery Co. (Special Automatic) Bridgeport, Conn.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio

Stapling Machines

(See Wire Stapling Machinery)

Saranac Machine Co., St. Joseph, Mich.
Stimpson, Edwin B. Co., 31 Spruce, New York

Starch Factory Machinery

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill
Nordyke & Marmon Co., Indianapolis, Ind.
Remmers, R. & Sons (Consulting & Constructing Engineers, Complete Equipments), Bourse bldg, Phila., Pa
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Straub Machinery Co., 1950 W 6th, Cincinnati, O.

Static Electric Machines

Ajax Conductor & Mfg. Co., 269-271 So. Desplaines, Chicago, Ill
Birtman, C. F. Co., 158 Lake, Chicago, Ill.
Dodd & Struthers, Des Moines, Iowa
Electro Radiator Co., 18 Boylston, Boston, Mass.
Electro-Therapeutic Mfg. Co., Indianapolis, Ind.
McIntosh Battery & Optical Co., 225 E Washington, Chicago, Ill.
Harvard Electric Co., 60 W. Van Buren, Chicago, Ill
Knott, L. M. Apparatus Co., 15 Harcourt, Boston, Mass
McElliott, D. P., 37 State, Chicago, Ill.
McIntosh Battery & Optical Co., 39 W Randolph, Chicago, Ill.
Moore Bros. Lightning Rod Co., Graham, Mo.
National Cable & Mfg. Co., Niles, Mich., & 116 Lake, Chicago, Ill.
QUEEN & CO. (Inc.), n. w. c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Van Houten & Tenbroeck Co. ("Norton"), 300 4th av, Chicago, Ill.
Wagner, R. V. & Co., 308 Dearborn, Chicago, Ill.
Waite & Bartlett Mfg. Co. ("Ranney"), 115 W 31st, New York

Stave Jointing Machines

Mack & Co., Rochester, N. Y.

Stave Sawing Machines

American Sawmill Machinery Co. ("American"), 50 Church, New York, & Hackettstown, N.J.
Klotz Machine Co. (For Cutting Out Shapes, etc.), Sandusky, O.

Stave & Heading Machinery

(See Barrel, Keg, Stave & Heading Machinery)

Staybolt Threading Machines

Acme Machinery Co., Cleveland, O.
Harrington Edwin Son & Co., 17th & Callowhill, Phila., Pa.
Landis Machine Co., Waynesboro, Pa.
Modern Tool Co., Erie, Pa.

Staying Machines (Automatic)

National Metal Edge Box Co. (For Setting up Paper Boxes with Metal Stay), 8th & Willow, Phila., Pa.

Stearine Machinery

Blettner, Jos. B. & Co., Cincinnati, O.
Brect, Gus V. Butchers' Supply Co. (Oleo Stearine), St. Louis, Mo., & 102 Pearl, New York

Stencil Cutting Machines

American Diagraph Co., 11 N 2d, St. Louis, Mo.
Bradley Stencil Machine Co., St. Louis, Mo.
Diagraph Co., 9th & Clinton, St. Louis, Mo.
Gibbs-Brower Co. ("Elliott"), 261 B'way, New York
New York Stencil Works ("National"), 100 Nassau, New York
Roovers Mfg. Co., 170 B'way, New York

Stereoscopic Machines

Rosenfield Mfg. Co. ("Victoria," Automatic), 585 Hudson, New York

Stone Channeling Machines

INGERSOLL - RAND CO. (Steam or Air, Bar, Track & Undercutting), 11 B'way, New York. (See adv. index & branch offices, end of book)
Interstate Engineering Co., Bedford, O.
Lord, Bowler & Co., 1004 Center, Cleveland, O.
Sullivan Machinery Co., R'y Exch bldg, Chicago, Ill.
Steam Stone Cutter Co. ("Wardwell" Single & Double Gang, etc.), Rutland, Vt.

Stone Channeling Machines (Steam & Electric-Air)

INGERSOLL-RAND CO. (Bar, Track & Undercutting), 11 B'way, New York. (See adv. index & branch offices, end of book)

Stone Crushing Machinery

(See Rock & Ore Crushers)

Stone Cutting Machines

Gilmour, J., 99 Nassau, New York
Lincoln Iron Works, Rutland, Vt.

Stone Gadder or Drilling Machines

INGERSOLL - RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Steam Stone Cutter Co. ("Standard" for Quarrying Stone), Rutland, Vt.

Stone Gang Sawing Machines

Glover Machine Works (For Marble, etc.), Marietta, Ga.
Hinds, Thomas, Malone, N. Y.
Lincoln Iron Works ("Merriman" Screw Feed, etc.), Rutland, Vt.
Lord, Bowler & Co., 1004 Center, Cleveland, O.
New Albany Mfg. Co., New Albany, Ind.
Stone Working Machine Co. ("Thomson" Patent Parallel Motion Gang & Rip Saw), 43 Wall, New York

Stone Planing Machinery

(See Planers, Stone)

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Stone Polishing Machinery

Badger Bros., Quincy, Mass.
Concord Axle Co. ("Jenny Lind"), Penacook.
Easton Foundry & Machine Co., Easton, Pa.
HARRISON SUPPLY CO., 5 & 7 Dorchester av, Extension, Boston, Mass. (See adv. index, end of book)
Hinds, Thos., Malone, N. Y.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Lane, W. A. ("Granite City"), Barre, Vt.
Lincoln Iron Works, Rutland, Vt.
MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Patch, F. R. Mfg. Co., Rutland, Vt.
Pittsburgh Crushed Steel Co. (Ltd.), Pittsburgh, Pa.
St. Cloud Iron Works (Jenny Lind & Columns Polishers), St. Cloud, Minn.
Smith, Whitcomb & Cook Co., Barre, Vt.
Whitcomb Bros. (Granite), Barre, Vt.
Wright, M. & Son (Est. of), Montpelier, Vt.

Stone Sawing Machinery

Anderson, Geo. & Co., 420 Ogden, Newark, N. J.
Frenier, J. H. & Son, Rutland, Vt.
Gilmour, J., 99 Nassau, New York
Hawley, E. J. & C. H., Manchester, Vt.
Hinds, Thos., Malone, N. Y.
Jamieson Machine Works, St. Joseph, Mo.
Lincoln Iron Works (Also Circular Sawing), Rutland, Vt.
Lord, Bowler & Co. (Rubbing Beds, Gang Saws, etc.), 1004 Center, Cleveland, O.
New Albany Mfg. Co., New Albany, Ind.
Patch, F. R. Mfg. Co. (Also Circular Sawing), Rutland, Vt.
Pattin Bros. Co., Marietta, O.
St. Cloud Iron Works, St. Cloud, Minn.
Seward & Co., Bloomington, Ind.
Stone Working Machine Co. (Gang Sawing), 48 Wall, New York
United States Rapid-Fire Gun & Power Co., Derby, Conn.
Walton, P. M., 1028 Gtn. av, Phila., Pa.

Stone Sifting Machines

Clark & Mills Electric Co., 543 Boylston, Boston, & Cambridge, Mass.

Stone Surfacing Machines

(See also Pneumatic Stone Surfacing Machines)
Box Electric Drill Co. (Electric, "Quik-Kut"), 115 B'way, New York

Stone Working Machinery

Atlanta Machine Works (For Marble), 1 King, Atlanta, Ga.
Birmingham Iron Foundry (Stone Planers, Rubbing Beds, etc.), Derby, Conn.
DALLETT, THOS. H. CO. (Pneumatic), 2300 York, Phila., Pa. (See adv. index, end of book)
Dennis Mfg. Co., Newark, N. J.
Farrel Foundry & Machine Co (Planers, Headers, etc.), Ansonia, Conn.
FLORY, S. MFG. CO., Bangor, Pa. (See adv. index, end of book)
Gilmour, J., 99 Nassau, New York
Glover Machine Works (Gang Saws & Rubbing Beds for Marble), Marietta, O.
Hawley, E. J. & C. H., Manchester, Vt.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Jamieson Machine Works, St. Joseph, Mo.
Lincoln Iron Works, Rutland, Vt.
MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)
New Albany Mfg. Co., New Albany, Ind.
Patch, F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. (For Soft Stone, such as Slate, Soap & Sandstone), Poultney, Vt.
Seward & Co., Bloomington, Ind.
SHAW, WILLIS CO. (New & Second-Hand), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Smith, Whitcomb & Cook Co., Barre, Vt.
Stone Working Machine Co., 48 Wall, New York
United States Rapid-Fire Gun & Power Co., Derby, Conn.

Straightening Machines

(See Shaft Straightening Machines; also Wire Cutting & Straightening Machines)

Straightening & Cutting Machines (Strip Metal)

NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)

Stranding Machines

Watson Machine Co., Paterson, N. J.

Strawboard Lining Machines

Hobbs, Mfg. Co., Worcester, Mass.

Street Flushing Machines

Connelly, D. Boiler Co., Cleveland, O.
Sanitary Street Flushing Machine Co., Carleton bldg, St. Louis, Mo.

Street Railway Sweeping Machines

(See also Plows, Snow)
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Consolidated Car Fender Co. ("Campbell"), Providence, R. I.
Indiana Road Machine Co., Fort Wayne, Ind.
McGuire-Cummings Mfg. Co., 122 N Sangamon, Chicago, Ill.
Smith & Wallace (Electric), Woburn, Mass.
Wendell & MacDuffie, 50 Church, New York

Street Sweeping Machines

Abbott Downing Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
Austin Mfg. Co. (Steel, etc.), Manhattan bldg, Chicago, Ill.; Works: Harvey, Ill.
Campbell, P. F., 55 Laurel, Phila., Pa.
Good Roads Machine Mfg. Co., Kennett Square, Greene Mfg. Co. (Hand), Springfield, O. Pa.
Hvass, C. & Co., 509 E 15th, New York
Kisinger-Ison Co., 466 Pioneer, Cincinnati, O.
Modern Machine Co. ("Modern"), Belleville, Ill.
Monarch Road Roller Co. ("Monarch"), Groton, N. Y.
Sanitary Street Sweeping Co. ("Pick-up"), 504 Virginia av, S. E., Washington, D. C.
Strain, J. H. Co. ("Improved Barnard Castle"), 85 Front, New York
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Studebaker Bros. Mfg. Co., South Bend, Ind.
Walker, H. B. ("Iron Clad" Pick-Up), Tarrytown, N. Y.
Western Wheeled Scraper Co., Aurora, Ill.

Striking Machines

Herschell-Spillman Co. (For Parks & Pleasure Grounds), North Tonawanda, N. Y.

String Bean Machinery

Howes, S. Co. (For Canners), Silver Creek, N.Y.
Huntley Mfg. Co. (For Canners), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (For Canners), Silver Creek, N. Y.
Lewis, E. J. ("Lewis" Cutting for Canners), Middleport, N. Y.

Stucco Machinery

BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. index, end of book)
Butterworth & Lowe (Inc.), Grand Rapids, Mich.
Des Moines Mfg. & Supply Co., 121 E Court av, Des Moines, Ia.
Ehrsam, J. B. & Sons Mfg. Co., Enterprise, Kan.

Sugar Machinery

(All Machinery & Appliances for the manufacture of Beet & Cane Sugar will be found under the heading "Sugar Machinery," followed by sub-classifications in the letter "S." For page number see Index of Contents)

Sulphite Fibre Machinery

Bellows Falls Machine Co. (For Paper Mills), Bellows Falls, Vt.
Carthage Machine Co., Carthage, N. Y.

Sulphuric Acid Machinery

Pratt Engineering & Machine Co., Atlanta, Ga.

Suppository Machines

Colton, Arthur (Cold Compressed), Detroit, Mich.
Stokes, F. J. Machine Co., Phila., Pa.

Suspended or Cane Weighing Machines

Avery Scale Co. ("Avery," for Foundries, Railways, Docks, etc.), North Milwaukee, Wis.

Swaging Machines

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
BLISS, E. W. CO. (for Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Excelsior Needle Co. ("The Dayton"), Torrington, Conn.
Iroquois Machine Co., Providence, R. I.
Langelier Mfg. Co. (Cold Swaging, Hammering & Reducing Machines), Providence, R. I.
Standard Machinery Co. (Rotary), Providence.
Swaine, F. J. Co., St. Louis, Mo. R. I.
Thurston Mfg. Co., Providence, R. I.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.

Syrup Filling Machines (Canners')

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Syruping Machines

Ams, Max Machine Co., Mount Vernon, N. Y.
Sinclair-Scott Co., Baltimore, Md.
SPRAGUE CANNING MACHINERY CO., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Tablet Machines

(See also Pill Making Machines)
Colton, Arthur, 184 Brush, Detroit, Mich.
Day, J. H. Co., 1144 Harrison ave, Cincinnati, Ohio
Hall, Albert R., Indianapolis, Ind.
Hess & Barker ("Richard's" Universal" Automatic), 605 Sansom, Phila., Pa.
Mulford, H. K. Co., 412 S 13th, Phila., Pa.
Stokes, F. J. Machine Co., 17th & Cambria, Phila., Pa.

Tabulating Machines

Tabulating Machine Co. ("Hollerith"), 1054 31st, Washington, D. C.

Tack Machinery

Kimball Bros. & Sprague, Brockton, Mass.
Miller's, H. J. Sons, Bridgewater, Mass.
Perkins, Henry Co. ("Improved Perkins"), Bridgewater, Mass.
Rittenhouse, C. & Sons, Norristown, Pa.

Tack Separating Machines

Seymour & Whitlock, Newark, N. J.

Tag Machinery

American Machine Co. ("Denny"), Wilmington, Del.
Rittenhouse, Frank, Norristown, Pa.

Tag Stringing Machines

Hobbs Mfg. Co., Worcester, Mass.

Tailors' Pressing Machines

Lufkin, Jno. W., 38 Chardon, Boston, Mass.
Timmis & Clissold, Boundbrook, N. J.

Talking Machines

American Graphophone Co., Bridgeport, Conn.
American Phonograph Co., Detroit, Mich.
Blackman Talking Machine Co., 97 Chambers, New York
Columbia Phonograph Co., 154 Nassau, New York
Edison Phonograph Works, Orange, N. J.
Knight Cycle Co., 211 N. 12th, St. Louis, Mo.
National Phonograph Co., Orange, N. J.
Penn Phonograph Co., 17 S 9th, Phila., Pa.
Sterling Debenture Co., 225 5th av, New York
Talk-O-Phone Co., Toledo, O.
Universal Talking Machine Co., Newark, N. J.
Victor Talking Machine Co., Camden, N. J.

Tan Bark Packing Machines

Eureka Bark Mill Co., Lancaster, Pa.

Tannery Machinery

Baker, G. W. & Co., Wilmington, Del.
Burrell Mfg. Co., 251 S Jefferson, Chicago, Ill.
Desuris, John, Co., Lowell, Mass.
Dubois Iron Works, Dubois, Pa.

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Barry & Zecher Co., Lancaster, Pa.
Hemingway, John & Son, Lynn, Mass.
Hide & Leather Working Machinery Co., Milwaukee, Wis.
Holmes, Chas. Machine Co. (Tan Presses, Scouring Machines, etc.), 299 Marginal, E Boston, Mass.
Horn, Wm. H. & Bro. (Bark Mills, Splitting Machines & Tanners' & Curriers' Tools), 451 N 3d, Phila., Pa.
Hutchinson Hide & Leather Machine Co. (Unhairing, Fleshing & Working-Out Machines, etc.), Winchester, Mass.
Munkwitz, Edw. H. Co. ("Leidgen" Unhairing Machines), Milwaukee, Wis.
Myrick Machine Co., Olean, N. Y.
Shapley & Wells, Binghamton, N. Y.
Seymour & Whitlock (Equipments), Newark, N.J.
Slocomb, F. F. & Co., Wilmington, Del.
Smith's, Jno. E. Sons Co. (Steam Jacket Kettles, Stuffing Mixers, Rendering Tanks, etc.), Buffalo, N. Y.
Stauffer, Geo. E., Stroudsburg, Pa.
Turner Tanning Machine Co., Peabody, Mass.
Whitney Machine Co. (Unhairing, Fleshing & Working-Out Machines), Winchester, Mass.

Taper Rolling Machines

Coulter & McKenzie Machine Co., Bridgeport, Conn.
Waterbury Farrel Fdry. & Machine Co., Waterbury, Conn.
Williams, White & Co. (For Tapering or Forging Shapes), Moline, Ill.

Taper Threading Machines

Acme Machinery Co., Cleveland, O.

Taper Tube Spinning Machines

Langelier Mfg. Co., Providence, R. I.

Tapping Machines

(See also Nut Tapping Machines; also Tapping Machines for Gas & Water Mains)

Allen Machine Co., Cleveland, O.
American Watch Tool Co. (Bench), Waltham, Mass.
Baker Bros., Toledo, O.
Beaman & Smith Co. (Tapping Attachments, Drill Press, Safety Friction Type), Providence, R. I.
Blair Tool & Machine Works ("Champion"), 24 West, New York
Burke Machinery Co. (For 3-16 inch Tapping, etc.), Cleveland, O.
Garvin Machine Co. (Automatic etc.), 187 Varick, New York
Grant Mfg. & Machine Co. (Automatic), Bridgeport, Conn.
Harrington, Edwin Son & Co., 17th Callowhill, Phila., Pa.
Hartford Machine Screw Co., Hartford, Conn.
Hub Machine & Tool Co. ("Acme," Hand), 621 Cherry, Phila., Pa.
Hubbell, Harvey, Bridgeport, Conn.
National Machine Co. (Horizontal), Hartford, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
MURCHEY MACHINE & TOOL CO. (For Flanges, Fittings & Valves), 52 Porter c 4th av, Detroit, Mich. (See adv. index & branch offices, end of book)
Newton Machine Tool Works (Inc.), 2347 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros. Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Quint, A. D., Hartford, Conn.
St. Louis Machine Tool Co. (For Small Parts), St. Louis, Mo.
Sloan & Chace Mfg. Co. (Ltd.) (Bench), Newark, N. J.
STARK TOOL CO. (Small), Waltham, Mass. (See adv. index, end of book)
United Engineering & Foundry Co. (For Tube Mills), Farmers' Bank bldg, Pittsburg, Pa.
Wells, F. E. & Son Co., Greenfield, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio

Tapping Machines (Dry Pipe)

Lennox Machine Co., Marshalltown, Iowa
Mueller, H. Mfg. Co., Decatur, Ill.

Tapping Machines (Gas & Water Main)

Boust, A. C., Northumberland, Pa.
Carr, Chas., 7 Exchange pl. Boston, Mass.
Hardesty, J. M. & Son, Tamaqua, Pa.
Lennox Machine Co. (For Tapping Water Mains Under Pressure), Marshalltown, Ia.
Mueller, H. Mfg. Co., Decatur, Ill.
Saunders, D. Sons, Yonkers, N. Y.
Smith, Anthony P. Mfg. Co., Newark, N. J.
Walworth Mfg. Co., 152 Federal, Boston, Mass.

Tapping Machines (Horizontal)

Pratt & Whitney Co., Hartford, Conn.

Tapping Machines (Multiple)

Williams, White & Co. (For Pipe Fittings), Moline, Ill.

Tapping Machines (Nut)

(See Nut Tapping Machines)

Tapping Machines (Pipe-Socket)

Harrington, Edwin, Son & Co., Phila., Pa.
Saunder's Sons, Yonkers, N. Y.

Tapping & Reaming Machines (Pneumatic)

(See Pneumatic Hammers)

Tapping & Reaming Machines (Portable)

CHICAGO FLEXIBLE SHAFT CO., La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
Gem Mfg. Co. ("Gem"), Pittsburg, Pa.
Stow Flexible Shaft Co., N 26th & Buttonwood, Phila., Pa.
Stow Mfg. Co., Binghamton, N. Y.

Telephone Core Machines

Watson Machine Co. (For Telephone & Telegraph, etc., Parts), Paterson, N. J.

Tenoning Machines

(See Wood Tenoning Machines)

Test Hole Drilling Machines

Loomis Machine Co. (For Foundations, Test Holes, Blast Holes, etc.), Tiffin, O.

Testing Machines

Buffalo Scale Co., Buffalo, N. Y.
Fairbanks Co., 186 Lafayette, New York
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
WHITING FOUNDRY EQUIPMENT Co. (Axle, Draw-Bar, etc.), Harvey, Ill. (See adv. index & branch offices, end of book)

Testing Machines (Anchor)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Axle, Draw-Bar, Etc.)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Testing Machines (Belt)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Brick)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Strait, H. N. Mfg. Co., Kansas City, Mo.

Testing Machines (Can)

Ayars Machine Co., Salem, N. J.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Lewis, E. J., Middleport, N. Y.
McDonald Machine Co. (Automatic), 3207 Shields av, Chicago, Ill.
Slaysman & Co., 718 E Pratt, Baltimore, Md.
SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)
Stevenson & Co. ("Mann-Stevenson" Automatic), Baltimore, Md.

Testing Machines (Car Wheel)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Testing Machines (Cement)

Clark & Mills Electric Co. (Also for Testing Stone & Road Materials), 543 Boylston, Boston, Mass.
Elmer & Amend, 205 3d av., New York
Fairbanks Co., 186 Lafayette, New York
International Instrument Co. (Also for Testing Stone & Road Materials), 23 Church, Cambridge, Mass.
Olsen, Tinius & Co., 500 N. 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N. 9th, Phila., Pa.

Testing Machines (Chain)

Olsen, Tinius & Co., 500 N. 12th, Phila., Pa.

Testing Machines (Concrete)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Fruit Can)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Testing Machines (Hydraulic)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Testing Machines (Leather)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Oil)

Olsen, Tinius & Co., 500 N. 12th, Phila., Pa.

Testing Machines (Paper)

Morrison, Howard L. ("Morrison" "Herron"), P. O. Box 297, Washington, D. C.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Pipe)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
United Engineering & Foundry Co. (For 2 to 12-inch Pipe), Farmers' Bank Bldg., Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Testing Machines (Power)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perkins, B. F. & Son, Holyoke, Mass.

Testing Machines (Rubber)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Spring)

Evans', John Sons, 13th & Buttonwood, Philadelphia, Pa.
Johnston, Wm. T. Co. (Vehicle), Cincinnati, O.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Steel)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Stone)

Clark & Mills Electric Co., 543 Boylston, Boston, Mass.
International Instrument Co., 23 Church, Cambridge, Mass.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Testing Machines (Textile)

(See Testing Machines, Cloth; also Testing Machines, Yarn)

Testing Machines (Traction)

Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Testing Machines (Wire)

Coldwell-Wilcox Co., Newburgh, N. Y.
Morgan Construction Co., Worcester, Mass.
Olsen, Tinius & Co., 500 N. 12th, Phila., Pa.

Textile Machinery

(See Specific Article Wanted)

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Thawing Machines

Burbank Thawing Machine Co. ("Burbank"). Berlin, N. H.

Thread Cut-Off Machines

Morley Button Sewing Machine Co. (Automatic for Bars & Tacks in Shoes & Clothing), 68 Essex, Boston, Mass.

Thread Rolling Machines

Acme Machinery Co. (Rotary), Cleveland, O.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Manville, E. J. Machine Co., Waterbury, Conn.
Mount Carmel Bolt Co. (Reciprocating), Mount Carmel, Conn.
Nilson, A. H. Machine Co. (Reciprocating), Bridgeport, Conn.
Triumph Electric Co. (Reciprocating), Cincinnati, O.
Waterbury Farrel Foundry & Machine Co. (Reciprocating), Waterbury, Conn.
Waterbury Machine Co. (Reciprocating), Waterbury, Conn.

Threading Machines (Sheet Metal)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Threshing Machinery

(See Threshers)

Thumbhole Cutting Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic), Orange, Mass.
Hobbs Mfg. Co. (For Paper Box Makers), Worcester, Mass.

Ticket Canceling Machines

(See Cancelling Machines)

Tile Ditching Machines

Bennett, H. L. & Co., Westerville, O.
Municipal Engineering & Contracting Co., R'y Exch bldg, Chicago, Ill.
St. Paul Ditcher & Carrier Co. ("Hoyland"), St. Paul, Minn.

Tile Facing Machines

Lincoln Iron Works, Rutland, Vt.

Tile Making Machinery

Crossley Machine Co., Trenton, N. J.
Hetherington & Berner Co. (Encaustic, Ceramic), 19 W South, Indianapolis, Ind.
Hill, Jas. B. (Traction), Deshler, O.
Michigan Brick & Tile Machine Co., Morenci, Mich.
Raymond, C. W. Co., Dayton, O.

Tile Sizing Machines

Lincoln Iron Works, Rutland, Vt.

Timber Graining Machines

Berlin Machine Works, Beloit, Mich.
Fay, J. A. & Egan Co., Cincinnati, O.

Timber Preserving Machinery

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Tin Can Machinery

(See Can Makers' Machinery; also Sheet Metal Workers' Machines & Tools)

Tin Foil Machinery

Blake & Johnson Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Tin Plate Lacquering & Varnishing Machines

Ohl, Geo. A. & Co. (For Coating Tin, Iron, Metal, Cardboard, etc.), 157 Oraton, Newark, N. J.

Tin Plate Mill Machinery

(See also Rolling Mill Machinery, Etc.)

Aetna Foundry & Machine Co., Warren, O.
American Sheet & Tin Plate Co., Roll & Machine Works, Canton, O.
Anderson Foundry & Machine Works (Pickling & Tinning Machines, Brushers, Dusters, etc.), Anderson, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Braddock Machine & Mfg. Co., Braddock, Pa.
Elwood Iron Works, Elwood, Ind.
FAWCUS MACHINE CO., Pittsburg, Pa. (See adv. index, end of book)
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Newbold, R. S. & Son Co., Norristown, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
Phila. Roll & Machine Co., S 23d & Washington, av, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stevenson Co., Wellsville, O.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (Rolling Mill Machinery), Farmers' Bank bldg, Pittsburg, Pa
Swindell, Wm. C. Bro., Pittsburg, Pa.
Wheeling Mold & Foundry Co., Wheeling, W. Va.

Tinners' Grooving Machines

Barber Mfg. Co., Ashtabula, O.

Tinners' Tools & Machinery

(See Sheet Metal Workers' Machines & Tools)

Tinning Machinery

Union Foundry & Machine Co., 224 W Carson, Pittsburg, Pa.

Tinware Making Machinery (Pieced & Seamless)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Tipping Machines

Kester Electric Mfg. Co. (Improved Automatic), 251 S Jefferson, Chicago, Ill.
Chicago Solder Co. (Improved Automatic), 56 N Union, Chicago, Ill.

Tire Applying Machines

Nelson & Le Noon, 88 W Monroe, Chicago, Ill.
Ross Machine Mfg. Co. ("Linn"), Jamestown, N. Y.

Tire Bolting Machines

Nelson & LeNoon, 88 W Monroe, Chicago, Ill.
Bentel & Margedant Co. (& Bolt Clipping), Hamilton, O.
National Steam Pump Co. ("Reynolds"), Upper Sandusky, O

Tire Drilling Machines

Reed, Francis Co., Worcester, Mass.

Tire Rolling Machines

Williams, White Co., Moline, Ill.

Tire Setting Machines

(See Setters, Tire)

Tire Trueing Machines

Bentel & Margedant Co., Hamilton, O.

Tire Welding Machines

HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Kane & Roach, Syracuse, N. Y.
Long & Allstatter Co., Hamilton, O.
Williams, White & Co., Moline, Ill.

Tissue Paper Machines

Beloit Iron Works, Beloit, Wis.

Tobacco Cutting Machines

(See also Cutters, Tobacco)

Buckeye Iron & Brass Works, Dayton, O.
Himoff Machine Co., 128 Mott, New York
Ludington, F. J. ("Ludington"), Waterbury, Conn.

Tobacco Farming Machinery

Ball, Mitchel & Co., Maysville, Ky.
Belcher & Taylor Agricultural Tool Co. (Ridgers), Chicopee Falls, Mass.
Cardwell Machine Co., Richmond, Va.
Fuller & Johnson Mfg. Co. (Hoes), Madison, Wis.
Iowa Farming Tool Co. (Hoes), Fort Madison, Iowa
Nagley Mfg. Co. (Spears), Lyons, N. Y.
Union Mfg. Co., Toledo, O.

Tobacco Hoeing Machines

Allen, S. L. & Co., 1017 Market, Phila., Pa.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Fuller & Johnson Mfg. Co., Madison, Wis.

Tobacco Knife Grinding Machines

Diamond Machine Co., Providence, R. I.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)

Tobacco Machinery

Adt, Jno. B. (Granulators, Separators, Cutters, Dryers, Coolers, Stem Rollers & Packers), 512 N Holliday, Baltimore, Md.
Buckeye Iron & Brass Works (Cutting), Dayton, Ohio
Cardwell Machine Co. (Granulators, Packers, Dyers, Cutters, Shapers or Moulds & Casing Machines), Richmond, Va.
Danbery Foundry Co. ("Parker" Portable Presses, Steamers, Stationary Screws, etc.) Ripley, O.
Erie Specialty Co., Erie, Pa.
Ermold, Edw., 652 Hudson, New York
Keyes, F. R. & Co., Binghamton, N. Y.
Laidlaw-Dunn-Gordon Co., Cincinnati, O.
Ludington, F. J., Waterbury, Conn.
Metlowan, Jno. H. Co., Cincinnati, O.
Mayo, Hysore & Co., Richmond, Va.
Miller, Dubrul & Peters Mfg. Co., Cincinnati, Ohio
Petersburg Iron Works Co., Petersburg, Va.
Phila. Textile Machinery Co. (Automatic Dryers, Coolers, Orderers & Softeners, etc.), Phila., Pa.
Titus, E. E., Petersburg, Va.
Warwick Bros., Richmond, Va.
Westbrooks Elevator Co., Danville, Va.

Toilet Paper Machines

Dietz Machine Works (Slitting, Separating & Rewinding), 126 Fountain, Phila., Pa.

Toilet Pin Machinery

Baird Machine Co., Oakville, Conn.

Toilet Soap Machinery

Rutschman, Oscar F., 420 Berks, Phila., Pa.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Tomato Can Filling Machines

(See Can Filling Machines)

Tomato Machinery (Canners')

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Tomato Transplanting Machines

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Tool Grinding Machinery

(See Grinders, Plain Tool; also Grinders, Wet Tool)

Tow Mill Machinery

New Winona Mfg. Co. ("Diamond" for Coarse, Fine or Medium Tow), Winona, Minn.

Towing Machines

American Ship Windlass Co. (Automatic Steam), Providence, R. I.
Chase Machine Co. (Automatic Steam), Cleveland, O.

Trace Trimming Machines

Campbell-Bosworth Machinery Co. ("Boston" Automatic), Boston, Mass.

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Tracing Machines (Hot)

AJAX MFG. CO., 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)

Traveling Bed Planing Machines

Chase Turbine Mfg. Co. (Planers, 24-in. Wide to 12-in. Thick), Orange, Mass.

Trench Machines

(See Sewer & Trench Excavating Machines)

Trimming Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Tripping Machines

Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.

Trolley Wheel Machines

Sutton, C. E. Co. (For Turning Grooves in Trolley Wheels, etc.), Toledo, O.

Trunk Machinery

Ohl, Geo. A. & Co. (Slat Machines for Staining Trunk Slats, etc.), 157 Oraton, Newark, N. J.

Sutton, C. E. Co. (For Turning Grooves in Trolley Wheels, etc.), Toledo, O.

Titus, E. E., Petersburg, Va.

Trunk Slat Staining & Varnishing Machines

Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.

Tub & Pail Machinery

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Gerlach, Peter Co. (Also for Churn, Ice Cream Freezer, Fish Kit, etc.), Cleveland, O.

Goodspeed Machine Co., Winchendon, Mass.

Humphrey Machine Co., Keene, N. H.

Tube Cutting Machines

Grant-Lees Machine Co., Cleveland, O.

Tube Filling Machines

Ross, Chas. & Son Co. (For Paste, Oil & Cosmetics), 148 Classon av, Brooklyn, N. Y.

Tube Mill Machinery

(See Pipe & Tube Mill Machinery)

Tube Reducing Machines

Standard Machinery Co., Providence, R. I.

Tube Rolling & Cutting Machines (Paper)

Chicago Paper Tube & Can Co. ("Williams"), 20 N May, Chicago, Ill.

Tube Tapering Machines

Excelsior Needle Co., Torrington, Conn.

Turntable Machinery

FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Turpentine Machinery

Victor Turpentine Machine Co., Jacksonville, Fla.

Twine Making Machinery

(See Cordage Machinery)

Type Casting Machines

Universal Automatic Type Casting Machine Co. ("Nuernberger-Hettig" Automatic), 97 N Sheldon, Chicago, Ill.

Type Setting & Type Distributing Machines

Brown, R. H. & Co., New Haven, Conn.

Lanston Monotype Machine Co. (Typesetting), 398 B'way, New York

Mergenthaler Linotype Co., Tribune bldg, New York

National Compositype Co., Baltimore, Md.

Unitype Co. ("Simplex"), 150 Sands Brooklyn, N. Y.

Universal Grinding Machines

(See Grinders, Universal)

Upsetting & Forging Machines

(See also Upsetters, Tire)

Acme Machinery Co., Cleveland, O.

AJAX MFG. CO. (Axle) 3830 Lakeside, N E, Cleveland, O. (See adv. index, end of book)

Fulton Iron Works ("Stoddard"), Detroit, Mich.

National Machinery Co., Tiffin, O.

Niles-Bement-Pond Co., 111 B'way, New York

Pawtucket Mfg. Co., Pawtucket, R. I.

Williams, White & Co. ("Moline" Upsetting & Forging), Moline, Ill.

Vacuum Machinery

WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Valve Inserting Machines

Hoefer Mfg. Co., Freeport, Ill.

Smith, A. P. Mfg. Co. ("French" & "Sherred"), Newark, N. J.

Valve Re-Seating Machines

Barnum, W. P. (The Standard), Franklin, N. Y.

Draper Mfg. Co. (Facing Tools), Port Huron, Mich.

Franklin, Benj. ("Sterling"), Rochester, N. Y.

Howes, S. Co., Silver Creek, N. Y.

Huxley Mfg. Co. ("Huxley" Valve Refacing & Valve Remodeling Machines), 753 7th, Buffalo, N. Y.

Leavitt Machine Co. (The Morse & Dexter), Orange, Mass.

Long, Adam A., 13 Graves, Rochester, N. Y.

Power, H. R. ("Wright & Rust"), Holyoke, Mass.

Underwood, H. B. & Co., 1025 Hamilton, Phila., Pa.

Valve Seat-Milling Machines

American Tool & Machine Co., 109 Beach, Boston, Mass.

Underwood, H. B. & Co., 1025 Hamilton, Phila., Pa.

Valve Seat Planing Machines

Niles-Bement-Pond Co., 111 B'way, New York

Stow Flexible Shaft Co., N 26th & Buttonwood, Philadelphia, Pa

Valve Wheel Machinery

Bradley, H. C. (For Wood Wheels), Bridgeport, Conn.

Vanning Machines

Power & Mining Machinery Co. (For Line Concentration), Cudahy, Wis.

Variety Moulding Machines

American Steam Pump Co., Battle Creek, Mich.

Bentel & Margedant Co., Hamilton, O.

Carey, W. W., Lowell, Mass.

Prybil, P., 506 W. 41st, New York

Variety Sawing Machines

Bentel & Margedant Co., Hamilton, O.

Cordesman, Rechtin Co., Cincinnati, O.

Greaves, Klusman & Co., Cincinnati, O.

Hunt, B. M. Co., York, Pa.

Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Variety Wood Turning Machines

Mattison, C. Machine Works, ("Universal"), Beloit, Wis.

Varnish Can Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Varnish Makers' Machinery

Kent Machine Works, 39 Gold, Brooklyn, N. Y.

SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Varnishing Machines

Chambers Bros. Co., 52d bel. Lancaster av, Philadelphia, Pa.

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Varnishing Machines for Rubber Mills

Birmingham Iron Foundry, Derby, Conn.

Vegetable Cutting Machines

Smith's, Jno. E. Sons, Buffalo, N. Y.

Vending Machines

American Automusic Co., 53 B'way, New York

American Mutoscope & Biograph Co. (Moving Pictures), 11 E 14th, New York

Automatic Coin Machine Co. (Coin Operating), Rochester, N. Y.

Automatic Machine & Tool Co., 46 N Ann, Chicago, Ill.

Automatic Machine Co., 90 W B'way, New York

Automatic Sales Co. (Gum), Lansing, Mich.

Automatic Target Machine Co. (Target), 203 Fulton, New York

Automatic Vending Co., 240 W 23d, New York

Becker, P. A. (Collar Button), 10 De Kalb av, Brooklyn, N. Y.

Bennett & Co. (Cigar), Kalamazoo, Mich.

Boston Coin Machine Co., 381 Albany, Boston, Mass.

Caille Bros. Co. (Coin Operating), 1300 2d av, Detroit, Mich.

Caille Co. (Coin Operating & Slot), 206 Randolph, Detroit, Mich.

Cowper Mfg. Co. (Coin Operating, Slot, etc.), 166 S Clinton, Chicago, Ill.

Diamond Novelty Co., Syracuse, N. Y.

Great American Automatic Vending Machine Co. (Vending), Hoboken, N. J.

Griswold Mfg. Co. (Card, Gum, etc.), Rock Island, Ill.

Grover & Haskell (Slot), 381 Albany, Boston, Mass.

Gum & Sweetmeat Co., 60 Murray, New York

Hilo Gum Co., 127 Market, Chicago, Ill.

International Vending Machine Co. (Postage Stamp), Baltimore, Md.

Lee-White Vending Machine Co., Brockport, N.Y.

Mills Novelty Co. (Candy, Cigar, Cigarette, Gum, Peanut, Package, etc., Coin Operating), 150 Green, Chicago, Ill.

Mitchell Mfg. Co., Portsmouth, O.

Multi-Vending Co. (Gum, Candy, etc., Combination), 198 S Clinton, Chicago, Ill.

National Automatic Weighing Machine Co. (Coin Operating), 60 Murray, New York

National Photograph Machine Co. (Photograph), 85 Beaver, New York

Nelson, J. E. & Co., 48 River, Chicago, Ill.

N. Y. Liquid Dispensing Machine Co., 507 W 35th, New York

Price Collar Button Machine Co. (Collar Button), 42 Chauncey, Boston, Mass.

Public Sales Co., 167 Chambers, New York

Puritan Machine Co. (Ltd.), Detroit, Mich.

Roovers Mfg. Co. (Name Plate, etc.), 170 B'way, New York

Rosenfeld Mfg. Co. (Coin Operating, etc.), 585 Hudson, New York

Sicking, Barnard Co. (Card Playing), 1931 Freeman, Cincinnati, O.

Star Gum Co., 170 W Van Buren, Chicago, Ill.

Turner Brass Works, Sycamore, Ill

United Centadrink Co., 1440 B'way, New York

Victor Novelty Works, 81 S Jefferson, Chicago, Ill.

VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge N, Detroit, Mich. (See adv. index, end of book)

Waddell Woodenware Works Co., Greenfield, O.

Watling Mfg. Co. (Coin Operating), 155 W Jackson boul, Chicago, Ill.

Veneer Cutting Machines

Bentel & Margedant Co. (Rip & Cross Cut Saws), Hamilton, O.

Capital Machine Works, Indianapolis, Ind.

Carpenter, Thos. D., 93 Pearl, Brooklyn, N. Y.

Coe Mfg. Co. (Rotary), Painesville, O.

Frank Machinery Co., Buffalo, N. Y.

Hayes Machine Co. (Inc.), Kingston, N. Y.

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Hubbard's, Norman Sons ("Rochow"), 265 Water, Brooklyn, N. Y.
Merritt Mfg. Co. (Rotary, a Six-Bearing Veneer Lathe & Direct Feed Automatic Veneer Clipper), Lockport, N. Y.
St. Joseph Iron Works (Veneer Lathes), St. Joseph, Mich.
Titus, Elmer E., Petersburg, Va.
Trevor Mfg. Co., Lockport, N. Y.

Veneer Drying Machines

Coe Mfg. Co. (Automatic), Painesville, O.
Merritt Mfg. Co. ("Merit-Gale"), Lockport, N. Y.

Vermicelli Machinery

City Machine Co., 430 Prospect, N W, Cleveland, O.
WERNER & PFLEIDERER, Saginaw, Mich. (See adv. index, end of book)

Vinegar Machinery

Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill

Voting Machines

Abbott Voting Machine Co., Hudson, Mich.
Bardwell Votometer Co., 17 Park Row, New York
Davis Voting Machine Co., 15 Park Row, New York
Grant Mfg. & Machine Co., Bridgeport, Conn.
Ross Voting Machine Co., Newport, Ky.
Triumph Voting Machine Co., Pittsfield, Mass.
U. S. Standard Voting Machine Co., Rochester, N. Y. Works, Jamestown, N. Y.

Wagon Builders' Machinery

(See Carriage Builders' Machinery)

Wall Paper Machinery

Marresford, Wm. F., 56 Pearl, Brooklyn, N. Y.
Waldron, Jno. Co., New Brunswick, N. J.

Washer Cutting Machines

Krips-Mason Machine Co., 1636 N Hutchinson, Phila., Pa.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.

Washing Machines

(See Washing Machines in the Letter W)

Waste Product Machinery for Packing Houses

Joslin, Schmidt & Co. (Glue Works, Soap Factories, etc.), Cincinnati, O.

Watch Case Machinery

Cavagnaro, Jno. J., 255 Centre, New York

Watchmakers' Machinery

(See Clock & Watchmakers' Machinery)

Wax Working Machines

SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Waxing Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Weighing Machines (Automatic)

(See Automatic Weighing Machines)

Weighing Machines for Filled Cans

SPRAGUE CANNING MACHINERY Co., 5 Wabash av, Chicago, Ill. (See adv. index, end of book)

Weighing, Packing & Bagging Machines (Automatic)

Automatic Weighing Machine Co., Newark, N. J.
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Well Drilling Machinery

Ajax Iron Works, Corry, Pa.
Alamo Iron Works, San Antonio, Tex.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Armstrong-Quam Mfg. Co., Waterloo, Ia.
Austin Mfg. Co., Manhattan bldg, Chicago, Ill.; Works: Harvey, Ill.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brockett, C. A. Cement Co., 121 W 8th, Kansas City, Mo.
Cook Well Co., 15 S 4th, St. Louis, Mo.
Crown Drilling Machine Co. (For Water, Gas or Oil), Akron, O.
Cyclone Drill Co., Orrville, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Everhard Co., Mosillon, O.
Flint & Walling Mfg. Co., Kendallville, Ind.
Fort Smith Well Drill Mfg. Co., Fort Smith, Ark.
Futon Engine Works (Oil Well, etc.), Los Angeles, Cal.
Hardy Machine Co. (Oil & Gas), North Baltimore, O.
Howell, R. R. & Co., Minneapolis, Minn.
Indiana Road Machine Co., Fort Wayne, Ind.
Keystone Driller Co., Beaver Falls, Pa.
La Crosse Well Drill Works, La Crosse, Wis.
Leidecker Tool Co., Marietta, O.
Lisle Mfg. Co., Clarinda, Ia.
Loomis Machine Co. ("Clipper"), Tiffin, O.
Novelty Iron Works (G. E. Davis, Prop.) ("Dubuque"), Dubuque, Iowa
OIL WELL SUPPLY CO. (Oil Well, etc.), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pech, Gus Foundry & Mfg. Co., Le Mars, Ia.
Red Cross Mfg. Co., Bluffton, Ind.
Rockford Well Drill Co., Rockford, Ill.
St. Louis Well Machine & Tool Co., Wabash R. R. & S., Newsted av, St. Louis, Mo.
Safety Steel Derrick Co., Deshler, O.
Sparta Iron Works Co., Sparta, Wis.
Star Drilling Machine Co. (Portable), Akron, O.
Titusville Iron Co., Titusville, Pa.
United Brass Co., Joplin, Mo.
Van Zandt-Moore Foundry Works, Fort Worth, Tex.
Williams Bros., Ithaca, N. Y.

THE UNIVERSITY OF MICHIGAN

Well Drilling Machinery (Adamant Coring)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end

BEQUEST OF WATARU

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Well Drilling Machinery (Rotary Boring)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

Well Machines (Belt Driven)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

Wet Machines (Paper Mill)

Bagley & Sewell Co., Watertown, N. Y.
Carthage Machine Co., Carthage, N. Y.
Emerson Mfg. Co., Lawrence, Mass.
Friction Pulley & Machine Works, Sandy Hill, N. Y.
Holyoke Machine Works, Holyoke, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.

Wheel Facing Machines

Bentel & Margedant Co., Hamilton, O.

Wheel Machinery

Bentel & Margedant Co., Hamilton, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., cor. Front & John, Cincinnati, O.

Wheel Polishing Machines

Bentel & Margedant Co., Hamilton, O.

Wheel-Rim Turning Machines

Pratt & Whitney Co., Hartford, Conn.

Wheel Tenoning Machines

Bentel & Margedant Co., Hamilton, O.

Wheel Thread Sanding Machines

Bentel & Margedant Co., Hamilton, O.

Whip Makers' Machinery

Moore, M. E. & Son, Westfield, Mass.

Whisk Broom Machinery

(See also Broom Machinery)
Cassard, Hamilton, Baltimore, Md.

White Lead Machinery

Campbell, Peter F., 51 Laurel, Phila., Pa.
Cremson, Geo. V. Co., Allegheny, av, W of 17th, Phila., Pa.
Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill.
Greenwald, I. & E. Co., 720 E Pearl, Cincinnati, Ohio.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N.Y.
Thompson & Campbell, 1030 Germantown av, Phila., Pa.

Whitewash Spraying Machines

(See Paint & Whitewash Spraying Machines)

Whiting Machines for Picture Frames

Andrew, M. L. & Co., 2852 Spring Grove av, Cincinnati, O.

Whiting Works Machinery

Campbell, P. F., 55 Laurel, Phila., Pa.

Winding Machines (Paper, Cloth, Leather, Etc.)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Window Frame Machinery

Smith & Phillips Mfg. Co., 122 N Sangamon, Chicago, Ill.
Wachusett Machine Co., Fitchburg, Mass.

Wine Making Machinery

Emeny, G. J. Co. (Cider Mill Machinery), Fulton, N. Y.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Klotz Machine Co., Sandusky, O.
Krogh Mfg. Co., San Francisco, Cal.

Wipe Joint Machines

United Brass Mfg. Co. ("Corcoran" Cable Splicing), Cleveland, O.

Wiping & Packing Waste Machinery

Ford, H., Springfield, Mass.

Wire Barbing Machines

Bates Machine Co., Joliet, Ill.
Emery, Wilber (High Speed), Oberlin, O.

Wire Cloth Measuring Machines

Schriver, O. P. & Co. ("I. X. L."), 208 Elm, Cincinnati, O.

Wire Cloth Weaving Machines

Crompton & Knowles Loom Works, Worcester, Mass.
Diamond Wire Web Co., 489 Oak, Columbus, O.
Lloyd Mfg. Co. (Automatic Coiled Wire Fabric Machines), Minneapolis, Minn.

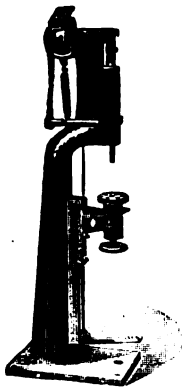
Wire Covering Machinery

(See Wire & Cable Covering Machinery)

Wire Crimping Machines

Automatic Machine Co., Bridgeport, Conn.
Blake & Johnson Co., Waterbury, Conn.
Cady Machine Co., Cleveland, O.
FRANKLIN MFG. CO., New Haven, Conn. (See adv. index, end of book)
Hayes Machine Co. (Inc.), Kingston, N. Y.
Manville, E. J., Machine Co., Waterbury, Conn.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Smurr & Kamen Machine Co. (Crimping, Cutting & Counting Combined), 97 S Clinton, Chicago, Ill.

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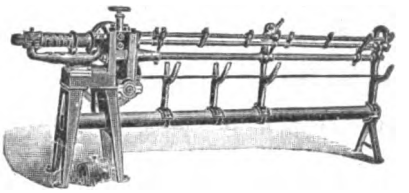
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Butt Milling Machinery. Butt Drilling Machinery. Riveting Machines. Wire Straightening Machines.
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Ring Forming Machines, Staple Machinery,
Tack Machinery, Cotter Pin Machinery,
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Drawings and Patterns for Machinery for innumerable Sundry Articles, which may be altered to suit special requirements.



Automatic Wire Straightening and Cutting Machine.

Standard Machinery Co., Providence, R. I.
Waterbury Farrel Foundry Co., Waterbury, Conn.
WRIGHT WIRE CO., Worcester, Mass.

Wire Drawing Machinery

Bates Machine Co., Joliet, Ill.
Currier, Cyrus & Sons, Newark, N. J.
FRANKLIN MFG. CO., New Haven, Conn. (See adv. index, end of book)
Ford & Donnelly, Kokomo, Ind.
Iroquois Machine Co. (For Brass, etc.), Providence, R. I.
MacKenzie's, Duncan Sons Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Toledo Machine & Tool Co., Toledo, O.
Turner, Vaughn & Taylor Co., Cuahoga Falls, Ohio
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.
WRIGHT WIRE CO. (Wire Drawing Frames), Worcester, Mass.

Wire Forming Machinery

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
Automatic Machine Co., Bridgeport, Conn.
Baird Machine Co., Oakville, Conn.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 10 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cady Machine Co. (Automatic), Cleveland, O.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
FRANKLIN MFG. CO., New Haven, Conn. (See adv. index, end of book)
Manville Bros. Co., Waterbury, Conn.
Manville, E. J., Machine Co., Waterbury, Conn.
Morgan Spring Co., Worcester, Mass.
Nilson, A. H., Machine Co. (Automatic), Bridgeport, Conn.
SHUSTER, F. B. CO. (Automatic), New Haven, Conn. (See adv. index, end of book)
Smurr & Kamen Machine Co., 97 S Clinton, Chicago, Ill.
Special Machinery Co., Bridgeport, Conn.
Standard Machinery Co., Providence, R. I.
Up-to-Date Mfg. Co., Terre Haute, Ind.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co. (For Brass, etc.), Waterbury, Conn.

Wire Galvanizing Machinery

Bates Machine Co., Joliet, Ill.
Morgan Construction Co., Worcester, Mass.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio
WRIGHT WIRE CO., Worcester, Mass.

Wire Handle Machines

American Can Co. ("Rudolphi & Kummel" Automatic), 135 Adams, Chicago, Ill.

Wire Insulating Machinery

(See Wire & Cable Covering Machinery)

Wire Machinery

Aetna Foundry & Machine Co. (Wire Mill), Warren, O.
American Can Co., Merchants' Loan & Trust bldg, Chicago, Ill.
Bates Machine Co., Joliet, Ill.
FRANKLIN MFG. CO., New Haven, Conn. (See adv. index, end of book)
Hinkley, A. H., 71 Bassett, Providence, R. I.
Kilby Mfg. Co., Cleveland, O.
MacKenzie's, Duncan Sons Co. (Draw Benches & Annealers), Trenton, N. J.
Manville Bros. Co., Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Thompson, Hugh L. (Brass & Copper, also for Rods & Sheets), Waterbury, Conn.
Turner, Vaughn & Taylor Co. (Wire Mill), Cuyahoga Falls, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
WRIGHT WIRE CO., Worcester, Mass.

Wire Mattress Machinery

(See also Woven Wire Mattress Machinery)

Cavagnaro, John J., 255 Center, New York
Houchin, Aiken Co., 37 53d, B'klyn, N. Y.
Ivens, Wm. H., Sons Co., Trenton, N. J.

Wire Measuring Machines

Anderson, Homer, Peekskill, N. Y.
Jones & Gross Elec. Co., 64 Vesey, New York
Minneapolis Electric & Construction Co., Minneapolis, Minn.
Moore, S. L. & Sons Corp., Elizabeth, N. J.
New England Butt Co., Providence, R. I.
Textile Machine Works, Reading, Pa.
Watson Machine Co., Paterson, N. J.

Wire Nail Barbing Machines

Bates Machine Co., Joliet, Ill.
Miller's, H. J. Sons ("Improved Perkins"), Bridgewater, Mass.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio

Wire Nail Cleaning Machines

Spicer Mfg. Co., New Philadelphia, O.

Wire Nail Machinery

(See Nail Mill Machinery)

Wire Pointing Machinery

(See also Swaging Machines)

Baird Machine Co., Oakville, Conn.
Bates Machine Co., Joliet, Ill.
Excelsior Needle Co., Torrington, Conn.
Goodyear, S. W. (By Compression or Cold Swaging), Waterbury, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Wire Rivet Machines

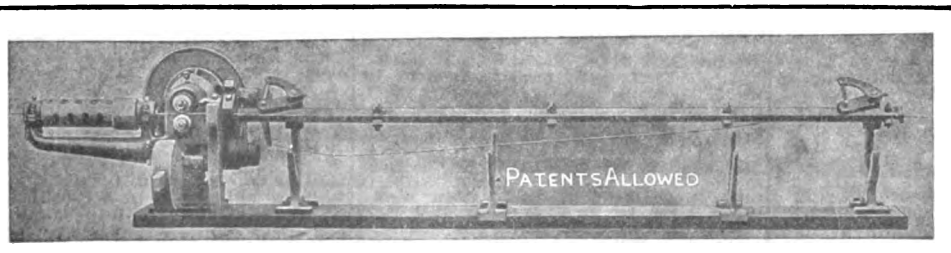
Cook, Asa S. Co., Hartford, Conn.
Manville, E. J. Machine Co., Waterbury, Conn.
Perkins, Henry J., Bridgewater, Mass.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Wire Rolling or Flattening Machines

WRIGHT WIRE CO., Worcester, Mass.

Wire Rope Making Machinery

Watson Machine Co., Paterson, N. J.



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Wire Spooling Machines

Cady Machine Co., Cleveland, O.
Koegel, Chas. & Sons, Holyoke, Mass.
Waterbury Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
WRIGHT WIRE CO., Worcester, Mass.

Wire Spring Coiling Machines

(See also Spring Coiling Machines)

Baird Machine Co., Oakville, Conn.
Garvin Machine Co., 137 Varick, New York
Manville Bros. Co., Waterbury, Conn.
Manville, F. J. Machine Co., Waterbury, Conn.
Nilson, A. H. Machine Co., Bridgeport, Conn.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Wire Spring Machinery

Nilson, A. H. Machine Co. (Automatic), Bridgeport, Conn.

Wire Stapling Machinery

Cobden Machine Works, Cobden, Ill.
Merritt Mfg. Co., Lockport, N. Y.
St. Joseph Iron Works (For Baskets, Packages, etc.), St. Joseph, Mich.
Saranac Machine Co. ("Advance" for Baskets, Boxes, Fruit Package, Butter Dish, etc.), St. Joseph, Mich.

Wire Stitching Machines

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Brown, B. H. & Co., New Haven, Conn.
Hinze, H., Tribune bldg, New York
Latham Machinery Co. ("Monitor"), 199 S Canal, Chicago, Ill.
Saranac Machine Co. ("Advance" for Books & Pamphlets), St. Joseph, Mich.
Sheridan, T. W. & C. B. Co., 56 Duane, New York, & Chicago, Ill.

Wire Straightening Machines (Roll & Rotary)

Morgan Spring Co., Worcester, Mass.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Wire Straightening & Cutting Machines

American Can Co., 135 Adams, Chicago, Ill.
Baird Machine Co., Oakville, Conn.
Chandler & Farquhar Co., Boston, Mass.
Cross & Speirs Machine Co. (Automatic), Waterbury, Conn.
FRANKLIN MFG. CO. ("Cracker Jack" Straightening Machine), New Haven, Conn. (See adv. index, end of book)
Gregg Mfg. Co. ("Gregg" Automatic Core Wire), 1318 W 4th, Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Manville, E. J. Machine Co., Waterbury, Conn.
Nilson, A. H. Machine Co., Bridgeport, Conn
SHUSTER, F. B. CO. (Automatic), New Haven, Conn. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn
WRIGHT WIRE CO., Worcester, Mass.

Wire Straightening & Forming Machinery

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Wire Stranding Machines

New England Butt Co., Providence, R. I.
Textile Machine Works Inc., Reading, Pa.
Watson Machine Co., Paterson, N. J.

Wire Testing Machines

(See Testing Machines, Wire)

Wire Twisting Machines

Bates Machine Co., Joliet, Ill.
Watson Machine Co., Paterson, N. J.

Wire Weaving Machinery

(See Wire Cloth Weaving Machines)

Crompton & Knowles Loom Works, Worcester, Mass.

Wire Winding Machinery

American Insulating Machinery Co., Hancock & Oxford, Phila., Pa.
Koegel, Chas. & Sons, Holyoke, Mass.
Morgan Construction Co., Worcester, Mass.
New England Butt Co., Providence, R. I.
WRIGHT WIRE CO. (Winding-Up), Worcester, Mass.

Wire & Cable Covering Machinery

American Insulating Machinery Co., Hancock & Oxford, Phila., Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Moore, S. L. & Sons Corp., Elizabeth, N. J.
New England Butt Co., Providence, R. I.
Rhode Island Braiding Machine Co., Providence, R. I.
Royle, John & Sons (Inc.) (Leather Tubing & Insulating), Paterson, N. J.
Textile Machine Works (Inc.), Reading, Pa.
Tunelius Machine Co., 232 S Clinton, Chicago, Ill.
Universal Winding Co., Boston Mass.
Watson Machine Co., Paterson, N. J.
WATSON-STILLMAN CO. (Cable Covering), 50 Church, New York. (See adv. index, end of book)

Wire & Cable Polishing Machines

New England Butt Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

Wood Band Sawing Machines

(See Band Sawing Machines)

Wood Barking Machines

Appleton Machine Co., Appleton, Wis.
Bellows Falls Machine Co., Bellows Falls, Vt.
Holyoke Machine Co., Holyoke, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.
Scott, Olin, Bennington, Vt.
Trevor Mfg. Co., Lockport, N. Y.
Valley Iron Works Co., Appleton, Wis.
Webber & Philbrick, Waterville, Me.

Wood Bending Machines

Defiance Machine Works (Rim, Felloe, etc), Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Root, B. M., Co., York, Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Superior Iron Works, Superior, Wis.

Wood Boring Machines

(See also Pneumatic Wood Boring Machines)

Ajax Mfg. Co. ("Ajax" & "Phillips" Automatic), Allegheny, Pa.
American Wood Working Machinery, Rochester, N. Y., & West Street bldg, New York
Andrew, M. L. & Co. (Multiple Spindles), 2852 Spring Grove av, Cincinnati, O.
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Berlin Machine Works, Beloit, Wis.
Bentel & Margedant Co., Hamilton, O.
Carey, Wilson W., Lowell, Mass.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Cowdrey, C. H. Machine Works, Fitchburg, Mass.
Defiance Machine Works, Defiance, O.
Dennis Machine Co., Jackson, Mich.
Eagle Square Mfg. Co. (Carpenters' Hand), South Shaftsburg, Vt.
Erie Machine Shops, Erie, Pa.
Fay, J. A. & Egan Co., Cincinnati, O.
Fischer, E., Machine Works (Multiple Adjustable), 710 Carroll av, Chicago, Ill
Frank Machinery Co., Buffalo, N. Y.
Garvin Machine Co., Varick & Spring, New York
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill. Factory: Rockford, Ill.
Heath, W. A. Machine Co., Lestershire, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., Buffalo, N. Y.
Nash, J. M. (Universal Multiple), Milwaukee, Wis.
Ober Mfg. Co. (Combined Boring & Chucking), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Pringle & Brodie Machinery Co. (Multiple Spindle, Vertical & Horizontal), 277 S Canal, Chicago, Ill.
Seymour & Whitlock, Newark, N. J.
Smith, H. B. Machine Co., Smithville, N. J.
Superior Iron Works, Superior, Wis.
White, Jno. A. Co., Dover, N. H.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Wood Boring Machines (Multiple)

Fischer, E., Machine Works (Adjustable), 345 Canal, Chicago, Ill.
WRIGHT WIRE CO., Worcester, Mass.

Wood Bundling Machines

Green Mfg. Co., 296 Oakland, Brooklyn, N. Y.

Wood Carving Machines

American Steam Pump Co., Battle Creek, Mich.
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Fay, J. A. & Egan Co., Cincinnati, O.
Moore Carving Machine Co. ("Lochman Moore"), Minneapolis, Minn.
Porter, C. O. & A. D., Grand Rapids, Mich.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Wood Cutting-Off Machines

Adams, W. T. Machine Co., Corinth, Miss.
ALLIS-CHALMERS CO. (Steam Feed Cutting-Off Saws), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Barnes, W. F. & John Co. (Foot & Power), Rockford, Ill.
Bentel & Margedant Co., Hamilton, O.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Dodds, Alexander, Grand Rapids, Mich.
Fischer, E., Machine Works (Double & Automatic Self-Feed Cut-Off Saws), 710 Carroll av, Chicago, Ill.
Frank Machinery Co., Buffalo, N. Y.
Garland, M. Co. (Combined with Conveyors), Bay City, Mich.
Hall & Brown Woodworking Machine Co. (Carriage Cut-Off Sawing Machines), 1917 N B'way, St. Louis, Mo.
Hayes, E. B. Machine Co., Oshkosh, Wis.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery, Co., 59 Chicago, Buffalo, N. Y.
Hurlbut-Rogers Machine Co., South Sudbury, Mass.
Kline, Lewis T., Alpena, Mich.
Lane Mfg. Co., Montpelier, Vt.
Lovell, F. S. Machine Works, Fitchburg, Mass.
Luther, B. G. & Co. (Double Cut-off), Worcester, Mass.
Marston, J. M. & Co. (Hand), Boston, Mass.
Mecklenburg Iron Works, Charlotte, N. C.
Power, L. & Co., 20 S 23d, Phila., Pa.
Sidney Tool Co. (Cut-Off Saws for Wagon Makers), Sidney, O.
Smith, H. B. Machine Co. (Also Pendulum or Swing), Smithville, N. J.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Wood Embossing Machines

(See Embossing Machines)

Wood Fibre Machinery

(See Fibre Machinery)

Wood Flooring Machines

American Wood Working Machinery Co., Rochester, N. Y., & West St. bldg, New York
Fay, J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1917 N B'way, St. Louis, Mo.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Molta, Jacob J., Williamsport, Pa.
Power, L. & Co., 20 S 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
Woods, S. A. Machine Co., 445 Dorchester av, Boston, Mass.

Wood Fluting Machines

Shawver Co., Springfield, O.

Wood Gang Drilling Machines

Fay, J. A. & Egan Co., Cincinnati, O.
Williams, White & Co. 6 to 10 Holes), Moline, Ill.

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Wood Gang Sawing Machines

Bentel & Margedant Co., Hamilton, O.
Bradley, H. C. (To Cut up Stock), Bridgeport, Conn.
Fischer, E. Machine Works (Cutting-up Saws), 710 Carroll av, Chicago, Ill.

Wood Graining Machines

Grand Rapids Panel Co., Grand Rapids, Mich.

Wood Mitreing Machines

McFarlan & Spilker Mfg. Co., 1652 Dorman, Cincinnati, O.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.

Wood Mortising Machines

American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Barnes, W. F. & Jno. Co. (Hand & Foot Power), Rockford, Ill
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Greenlee Bros. & Co., Railway Exchange bldg, Chicago, Ill. Factory, Rockford, Ill.
Health, W. A., Machine Co. (Chair), Lestershire, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Miller, Albert W. Mfg. Co. ("Miller's" Hand), 5th & Sycamore, Cincinnati, O.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Princess Mfg. Co. ("Princess" Automatic), 456 E 2d, Cincinnati, O.
Seneca Falls Mfg. Co. (Foot Power), Seneca Falls, N. Y.
Seymour & Whitlock, 43 Lawrence, Newark, N. J.
Smith, H. B. Machine Co., Smithville, N. J.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W Cleveland, O. (See adv. index, end of book)
Yerkes & Finan Woodworking Machine Co. (Cabinet, Hollow, Chisel, etc), St. Louis, Mo.

Wood Moulding Machines

American Steam Pump Co. ("Boult's" Battle Creek, Mich.
American Wood Working Machinery Co., Rochester, N. Y., & West st. bldg, New York
Barnes, W. F. & Jno. Co. (Hand & Foot Power) Rockford, Ill.
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Central Machine Works Co. (Double Spindle Shaping & Variety Moulding Machine), Minneapolis, Minn.
Colloday, Jos. O., 626 Race, Phila., Pa.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Gleason Works, Rochester, N. Y.
Hall & Brown Woodworking Machine Co., 1917 N B'way, St. Louis, Mo.
Power, L. & Co. (Est. of), 22 S 23d, Phila., Pa.
Seneca Falls Mfg. Co. (Hand & Foot Power), Seneca Falls, N. Y.
Seymour & Whitlock, Newark, N. J.
Shawyer Co. (Twist Moulding, etc.), Springfield, O.
Smith, H. B. Machine Co., Smithville, N. J.
Thomson, W. S., 418 W 27th, New York
White, Jno. A. & Co., Dover, N. H.
Woods, S. A. Machine Co., Boston, Mass.
Yerkes & Finan Wood Working Machine Co., 3143 N 9th, St. Louis, Mo.

Wood Paneling Machines

American Steam Pump Co., Battle Creek, Mich.

Wood Pipe Boring Machines

Bentel & Margedant Co., Hamilton, O.

Wood Polishing Machines

American Wood Working Machinery Co., Rochester, N. Y., & West st. bldg, New York
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Builders' Iron Foundry, Providence, R. I.
Fay, J. A. & Egan Co., Cincinnati, O.
Fox Machine Co., Grand Rapids, Mich.
Klotz Machine Co., Sandusky, O.
Nash, J. M., Milwaukee, Wis.

Wood Printing Machines

(See Box Board Printing Machines)

Wood Ring & Valve Handle Machines

Pringle & Brodie Machinery Co., 277 S Carrol, Chicago, Ill.

Wood Rubbing Machines

Moore Carving Machine Co. ("Victor Imperial"), Minneapolis, Minn.

Wood Sawing Machines

Althouse-Wheeler Co. (Sawing Machines with Swing Saw Table), Waupun, Wis.
American Sawmill Machinery Co., 50 Church, New York, & Hackettstown, N. J.
American Steam Pump Co. (Shop Saws), Battle Creek, Mich.
Baker Mfg. Co., Evansville, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bentel & Margedant Co., Hamilton, O.
Burlingame, A. Co., Worcester, Mass.
Challenge Co. (All Steel, Tilting & Sliding Table), Batavia, Ill.
Chattanooga Machine Co. (Splitting), Chattanooga, Tenn.
Comstock, Geo. S. (Circular), Mechanicsburg
Davis, Geo. E., Dubuque, Ia. Pa.
Ellis Keystone Agricultural Works (Circular Saw), Pottstown, Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Foos Gas Engine Co. (Circular Saw for Cord Wood)
Gehl Bros. Mfg. Co., West Bend, Wis.
Globe Foundry & Machine Co. (Circular & Pole Saw for Cord Wood), Sheboygan, Wis.
Gowanda Agricultural Works Co. (Wood Mill with Jack), Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Hemingway, Jno., Lynn, Mass.
Heebner & Sons ("Daisy"), Lansdale, Pa.
Hill, W. E. & Co. (For Pulp Mills), Kalamazoo, Mich.
Howel, R. R. Co., 31st av c S E 4th, Minneapolis, Minn.
Huntsville Fdy. & Machine Works, Huntsville, Ala
Lyon Iron Works, Greene, N. Y.
Marseilles Mfg. Co., Marseilles, Ill.
Messinger Mfg. Co. (Swinging & Sliding Table), Tatamy, Pa.
New Winona Mfg. Co. (Portable Wood Saws of Various Kinds), Winona, Minn.
Port Huron Engine & Thresher Co. (Sawing Only), Port Huron, Mich.
Rowell, I. B. Co., Monomonee Falls, Wis.
Sandwich Mfg. Co. (Sawing), Sandwich, Ill.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich
Spangler Mfg. Co. (Quickel's Splitting & Sawing), York, Pa.
Sweetser, Wm. A. (Splitting), Brockton, Mass.
Thompson, J. & Sons, Mfg. Co., Beloit, Wis.
Wheland Machine Works, Chattanooga, Tenn.

Wood Sawing & Splitting Machinery

(See also Kindling Wood Machinery)

Baker, Wm. H. ("Baker" Splitting), Trenton, N. J.
Codd, E. J. Co. ('Splittings Only), 700-708 S Caroline, Baltimore, Md
Glascock Stove & Mfg. Co. (Sawing & Splitting), Greensboro, N. C.
Globe Foundry & Machine Co. (Circular & Pole Saw for Cord Wood), Sheboygan, Wis.
Hill, W. E. & Co. (For Pulp Mills), Kalamazoo, Mich
Smalley Mfg. Co. ("Battle Creek" Splitting & Sawing), Manitowoc, Wis.
Spangler Mfg. Co. (Quickel's Splitting & Sawing), York, Pa.

Wood Screw Machinery

Cook, Asa S. Co., Hartford, Conn.
Manville, E. J., Machine Co., Waterbury, Conn.

Wood Shaping Machines

(See Shaping Machines, Wood)

Wood Shaping & Variety Moulding Machines

Central Machine Works Co. (Double Spindle), Minneapolis, Minn.

Wood Surfacing Machines

American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Bentel & Margedant Co., Hamilton, O.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Dennis Machine Co., Jackson, Mich.
Fay, J. A. & Egan Co., Cincinnati, O.
Fischer, E., Machine Works, 710 Carroll av., Chicago, Ill.
Hobbs Mfg. Co., Worcester, Mass.
Oliver Machinery Co., Grand Rapids, Mich.
Power, L. & Co., 20 S. 23d, Phila., Pa.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)

Wood Tenoning Machines

American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works, (Inc.), 28th & Gray's Ferry rd, Phila., Pa.
Barnes, W. F. & John Co., Rockford, Ill.
Bentel & Margedant Co., Hamilton, O.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Defiance Machine Works (Chucking & Tenoning), Defiance, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Greenlee Bros. & Co. (Car Tenoner, etc.), Railway Exchange bldg, Chicago, Ill. Factory: Rockford, Ill.
Hayes, E. B. Machine Co. (Double End), Oshkosh, Wis.
Heath, W. A. Machine Co., Lestershire, N. Y.
Hoobs Mfg. Co., Worcester, Mass.
Kane & Roach, Syracuse, N. Y.
Power, L. & Co., 20 S. 23d, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, Ohio. (See adv. index, end of book)
Vulcan Iron Works ("Universal" Tenon & Boring Machines), Mason City, Iowa
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Wood Trimming Machines

Adams, W. T. Machine Co., Corinth, Miss.
Cadillac Motor Car Co., Detroit, Mich.
Chattanooga Machinery Co. (Ironsides), Chattanooga, Tenn.
Fox Machine Co., Grand Rapids, Mich.
Lane Mfg. Co., Montpelier, Vt.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Perkins & Co. ("Perkins" Bench Draw Stroke Trimmer), Grand Rapids, Mich.
Tyler, J. L. (Combination Trimmer & Mitre Cutter), Lynn, Mass.
Washburn Shops of the Polytechnic Institute, Worcester, Mass.

Wood Twisting Machines

Shawyer Co., Springfield, O.

Wood Working Machinery

(See Specific Article Required)

Wood Working Machinery (Hand & Foot Power)

Barnes Tool Co., 958 Grand av, New Haven, Conn.
Barnes, W. F. & Jno. Co., Rockford, Ill.
Crescent Machine Co., Leetonia, O.
Marston, J. M. & Co., Boston, Mass.
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Seneca Falls Mfg. Co. (Foot Power), Seneca Falls, N. Y.

Wooden Corking Machines

Redlich Mfg Co., 2 Oak, Chicago, Ill.

Woodenware Machinery

Gerlach, Peter Co. (Pail, Tub, Churn, Keg, etc.), Cleveland, O.

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Woolen Machinery

(See Textile Machinery. For page number consult Index of Contents)

Woven Wire Fence Machines

Kitselman Bros., Muncie, Ind.
Peerless Fence Co., Holly, Mich.

Woven Wire Mattress Machinery

(See also Wire Mattress Machinery)

Erlandsen, Julius, 172 Centre, New York

Wrapper Cutting Machines

Shirk, P. E., Blue Ball, Pa.

Wrapping Machines (Fruit & Merchandise)

Consolidated Wrapping Machine Co., Springfield, Mass.
New York Wrapping Machine Co. (For Chocolate, Gum Candies, Soap, etc.), 52 Wall, New York

Wrapping Machines (Rubber Mill)

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Watson Machine Co., Paterson, N. J.

Wrench Machinery

Gould & Eberhardt, Newark, N. J.

Writerpress Machines

Writerpress Co. (For Perfect Imitation of Typewriting), Buffalo, N. Y.

(END OF MACHINERY)

Machinery Dealers (New & Second Hand)

(See also Mill & Factory Supplies)

ALABAMA.

BIRMINGHAM—Birmingham Machine & Foundry Co.
Hardie-Tynes Mfg. Co.
Lum, Geo. E. Machine & Supply Co. (Engines, Boilers, Saw Mill & Mining Machinery, etc.)
Moore & Handley Hardware Co. (Engines, Boilers, Pumps, etc.)
Shook & Fletcher (Machinery, Boilers, etc.)
Williamson Iron Co., 1420 18th av
Yates, J. A. & Co. (Mining Machinery)
BRIDGEPORT—De Loach Mill Mfg. Co.
MOBILE—Alabama Iron Works
Barney, Cavanagh Hdw. Co.
Mellett, Richard
MONTGOMERY—Cardwell, W. R.
Janney, A. A. & Co.
Lum Machinery Co. (Engines, Boilers, Pump, etc.)
SELMA—Union Iron Works Co.

ARIZONA TERRITORY.

PHOENIX—Thayer, Ezra W. (Engines, Mining Machinery & Agricultural Implements, etc.)
TUCSON—Gardiner, Worthen & Goss Co.

ARKANSAS.

CAMDEN—Camden Hardware & Mill Supply Co. (Engines, Pumps, Saw Mill Machinery, etc.)
DARDANELLE—Cox, Thos. Machinery Co.
LITTLE ROCK—Arkansas Pump & Pipe Co.
Cox, Thos. & Sons Machinery Co.
Jones, D. E. Co.
Rosenbaum, C. E. Machinery Co.
Wehrfritz, E. C. Machinery & Supply Co.
MORRILTON—Delong Machinery Co.
PINE BLUFF—Dilley Foundry Co.
Fox-Harris Machine & Supply Co.
STUTTGART—Whaley, J. F.

CALIFORNIA.

LOS ANGELES—Baker Iron Works, 950 Buena Vista
Booth, Levi & Sons (Inc.), 262 S Los Angeles
Busch, A. H. Co., 150 N Los Angeles
FAIRBANKS, MORSE & CO. (Engines, Boilers, Pumps, etc.), 136 Los Angeles. (See adv. index, end of book)
Fulton Engine Works (Engines, Boilers, Mining, Saw Mill)
Harper & Reynolds Co.
Harron, Rickard & McCone (Inc.) (Engine, Electrical, Woodworking, Machinery, etc.)
Machinery & Electrical Co., 353 N Main
Pacific Coast Mfg. Co., 126 S. Los Angeles
Smith, Samuel J. Machinery Co., 212 S. Los Angeles
Southwestern Machinery & Supply Co., 4th & Spring
Union Iron Works of Los Angeles, Molino, c Palmetto
United Iron Works
OAKLAND—United Iron Works
RIVERSIDE—Riverside Foundry & Machine Works
SAN DIEGO—Sterne Bros. Co.
SAN FRANCISCO—Baker & Hamilton (Engines, Boilers, etc.), 3d & Berry
Compressed Air Machinery Co., Jessie & Ecker
Doble, Abner Co., Fremont & Howard
Dunham, Carrigan & Hayden Co. (Hydraulic, etc.), 181 Kansas
Eby Machinery Co., 208 Market
FAIRBANKS, MORSE & CO. (Engines, Boilers, Pumps, etc.), 158 1st. (See adv. index, end of book)
Garratt, W. T. & Co. (Inc.) (Engines, Boilers, Pumps, etc.), Fremont & Natoma
Globe Engineering Co., 1937 Market
Harron, Rickard & McCone (Inc.) (Mining, Saw Mill, Woodworking, Engines, etc.), 461 Market
Hendy, Joshua Iron Works (Engines, Pumps & Mining Machinery), 75 Fremont
Henshaw, Bulkley & Co., 19 Fremont
Judson Mfg. Co., 819 Folsom
Krogh Mfg. Co., 159 Beale
Livermore, Norman B. & Co. (Engines, Boilers, Pumps, Steam Shovels, Dredges, etc.), Metropolis Bank bldg
McIntosh & Wolpmann
Marwedel, C. W., 258 9th
Moore, Chas. C. & Co., 99 1st
Moore & Scott Iron Works (Mining & Hoisting Machinery)
O'Brien, M. (Flour Mill, Brewery, etc.), 142 1st
Pacific Tool & Supply Co. (Metal Working Machinery & Supplies), Fremont & Mission
Risdon Iron Works, Stuart & Folsom
Simonds Mfg. Co., 21 Natoma
United Iron Works
Wagner, Jos. Mfg. Co. (Flour Mill, etc.), 105 Beale
Ward, Fred & Son, 200 1st
White, H. S. Machinery Co., 9th & Bryant
SAN JOSE—Wight, David

COLORADO.

DENVER—Colorado Iron Works Co. (Mining, etc.)
Denver Engineering Works Co.
Denver Metal Co. (Machinery Jobbers)
FAIRBANKS, MORSE & CO. (Engineer, Boilers, Pumps, etc.), 1600 17th. (See adv. index, end of book)
Flint Lomax Electric & Mfg. Co.
Great Western Machinery Co.
Mine & Smelter Supply Co. (Engines, Boilers, Pumps, etc.), 17th & Blake
Morse Bros. Machinery & Supply Co. (Mining Machinery, Hoisting Engines, etc.)
S-H Supply Co. (Mining Machinery, Engines, Boilers, Compressors, Drills, etc.)
Scott Supply & Tool Co. (Engines, Boilers, Pumps, etc.), 1725 Blake
Stearns-Roger Mfg. Co., 1718 California
Wilkes, Gilbert & Co., 502 McPhee B
LEADVILLE—McCarty & Moore

CONNECTICUT.

HARTFORD—Pickering, W. H. & Co., 110 Commerce

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co. (Engines, Pumps, etc.)
Speakman Supply & Pipe Co., 113 Market

DISTRICT OF COLUMBIA.

WASHINGTON—Littlefield, Alvord & Co., 26th & D N W

FLORIDA.

JACKSONVILLE—Christopher, Jno. G. Co.
Florida Electric Co. (Engines, Boilers, Dynamos, etc.)
Hubbard, S. B. Co.
LAKE CITY—Johnson, L. W.

GEORGIA.

ATHENS—Athens Foundry & Machine Works
ATLANTA—American Machinery Co., 49 S Forsyth
Austin, W. E. Co. (Concrete, Stone & Ore Crushing Machinery, etc.)
Avery & Co. (Saw Mill, etc.), 70 S Forsyth
Malsby Co., 41 S Forsyth
AUGUSTA—Georgia Iron Works
Lombard Iron Works & Supply Co. (Engines, Boilers, Saw Mills, etc.)
BRUNSWICK—Bay Iron Works
COLUMBUS—Columbus Iron Works Co.
Golden's Foundry & Machine Co.
MACON—Findlay Iron Works Co. (Inc.)
Mallary Bros. Machinery Co. (Engines, Boilers, Cotton, Gins, Saw Mill Machinery, etc.)
Schofield's, J. S. Sons Co. (Engines, Pumps, Saw Mills, etc.)
ROME—Battey Machinery Co.
SAVANNAH—Georgia Supply Co.
Hartfelder-Garbutt Co. (Engines, Boilers, etc.)
Kehoe, Wm. & Sons (Machinery of All Kinds, Boilers, etc.)
Rourke, Jno. & Sons
TOCCOA—Simpson & Co.

HAWAII.

HONOLULU—Von Hamm-Young Co. (Ltd.)

ILLINOIS.

BLOOMINGTON—Keiser-Van Leer Co. (Engines, Pumps, etc.)
CAIRO—Reed, J. B. (Iron Working Tools, etc.)
CHICAGO—Adkins, Young & Allen Co., 14 N Canal
AMERICAN HOIST & DERRICK Co., 60 S Canal. (See adv. index, end of book)
Burrell Mfg. Co., 251 S Jefferson
Chicago Brick Machinery Co., 77 E Jackson boul
Chicago Engineer Supply Co., 112 Lake
Chicago House Wrecking Co., 35th & Iron
Cook & Chick Co., 253 Kinzie
Curtis & Mfg. Co., 53 N Desplaines
Erwin & Co., 56 Dearborn
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Weinman Machine Works, 21 N Scioto
DAYTON—Patterson Tool & Supply Co. (Machine Tools & Machinery of All Kinds)
GREENVILLE—Ross Supply Co. (Gasoline Engines, Pumps, Wind Engines, etc.)
MARIETTA— Pattin Bros. Co.
SPRINGFIELD—Casey, D. L. Machine Co.
TOLEDO—Arbuckle-Ryan Co. (Inc.) (Engines, Boilers, Pumps, etc.)
National Supply Co.
Shaw-Kendall Engineering Co. (Engines, Boilers, etc., New), Superior & Swan Creek

OKLAHOMA.

OKLAHOMA—Sherman, N. S. Machine & Iron Works

OREGON.

CANBY—Kocher, Andrew
PORTLAND—Arthur, J. M. & Co., ft. E Tay-
Bell, Wildman & Co. lor
Dayton Hdw. Co., 1st & Taylor
FAIRBANKS, MORSE & CO. (Engines, Boilers, Pumps, etc.), 1st & Stark. (See adv. index, end of book)
Gauld Co. (Engines, Pumps, etc.)
Honeyman Hardware Co.
Mitchell, Lewis & Staver Co., 1st & Taylor
Portland Iron Works, 495 Northrup
Portland Machinery Co., 62 1st
Simonds Mfg. Co.
Tatum & Bowen, 85 1st
Western Supply Co. (Flour & Saw Mill Machinery)

PENNSYLVANIA.

ALLEGHENY—Carlin Machinery & Supply Co.
CARLIN'S, THOS. SONS CO., 1610 River av. (See adv. index, end of book)
Young, Jno. S., 108 Parkway
ALLENTOWN—Allentown Foundry & Machine Works (Engines, Boilers, etc.)
Grammes, L. F. & Sons (Engines & Power Transmitting Appliances, etc.)
Taylor, Wm. H. & Co. (Engines, Boilers, Yeskel, S. H. Pumps, etc.)
BRADFORD—Bovaird & Seyfang Mfg. Co.
CHESTER—Birtwell, H. B.
DOYLESTOWN—Rufe Bros.
ERIE—Erie Machine Shops
Erie Mfg. & Supply Co. (Engines, Boilers, etc.)
Link, E. M. Machinery Co. (Engines, Boilers, Saw Mill Machinery, etc.)
HARRISBURG—Gardner, Chas. H.
McKillips, A. (Machinery, Pulleys, Hangers, Mather, Edmund etc.)
HAZLETON—Hazleton Mach'y & Supply Co.
HOLLIDAYSBURG—McLanahan Stone Machine Co
LANCASTER—Central Machine Works.
Hahn, J. F. (Engines, Boilers, Pumps & Machinery)
LATROBE—Saxman, P. H.
MAUCH CHUNK—Stroh, W. H. (Est. of)
OIL CITY—Logan, Robert (Engines, Boilers & Machinery)
PHILADELPHIA—Baily, R. M. & Co. (Locomotive Cranes, Steam Shovels, Hoisting Engines, Boiler Making, Ship Building, Structural Work, Machinery, etc.), Arcade bldg
Bowman, H. L. & Co., 31 S 4th
Burchfield, T. T. Co. (Engines, Boilers, Pumps, etc.), 54 N 6th
Campbell, T. J., 974 Beach
Conard, Thos. P. & Co. (New & Second Hand), 2 S. 15th
Dallett & Co. (Locomotives, Steam Shovels, etc.), Harrison bldg.
Eckbold, Wm. Sons, 707 E. Girard av
Fairbank Co., 701 Arch
Francis Bros. & Jellett (Inc.), N Broad & Wallace
Fraser, E. L. (Machinery & Tools), 48 N 6th
Gifford, C. H. & Co., 135 N 3d
GRISCOM-SPENCER CO. (Boilers, etc.), ft Washington av. (See adv. Index, end of book)
Haddock, Chas., 343 N. 3d
Henning, Jno. & Son, 1016 E Susquehanna av
Hill, Clark & Co. (Iron & Woodworking), 512 Arch
Hitner's, Henry A. Sons Co., Huntington Aramingo av
Jefferson, Edw. & Bro. (Machine & Mill Furnishers), 127 S 2d
Kaiser, A. V. & Co. (Second Hand Engines Pumps, Locomotive Boilers, Air Compressors, etc.), Drexel bldg
Lamb, J. K. (Textile), 246 Chestnut
Latimer, R. L. & Co. (Engines, Boilers, Pumps, etc.), 24 N Front
Lovegrove & Co. (Engines, Boilers, Machinery & Machine Tools), 143 N 3d
Manning, Maxwell & Moore (All Kinds), Nuttall, Jno., 1723 N 5th 721 Arch
Philadelphia Machinery & Supply Co., Perry bldg
Purves Machinery & Iron Co., South c Water
Rich, J. & G., 120 N 6th
Schmitt, Jos. L., 1501 N 2d
Seyfert's, L. F. Sons, 437 N 3d
Shipley, W. E. Machinery Co. (Machine Tools), Bourse bldg
Swoboda, H. Co., 419 N 3d
Toomey, Frank (Engines, Pumps & Machinery), 127 N 3d
Yearsley, Levene & Co. (Electric, etc.), 211 N 3d
PITTSBURG—Baird Machinery Co., 123 Water
Brown & Zortman Machinery Co. (Machine Tools, etc.)
CONTRACTORS' SUPPLY & EQUIPment Co. (Engines, Pumps, Rock Crushers, etc.), Victoria bldg. (See adv. index, end of book)
Dravo, Doyle Co., Lewis blk
Frick & Lindsay Co. (Engines, Boilers, Pumps, etc.), 109 Wood
Green, L. A. Co., Park bldg
Hay's, Samuel W. Sons (Steam & Gas Engines & Metal Working Machinery, etc.)
Lees-Williams Co.
Manning, Maxwell & Moore (All Kinds), Park bldg
OIL WELL SUPPLY CO., 215 Water. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY Co. (Pumps, etc.), 30th & Liberty av. (See adv. index, end of book)
Rees, Jas. & Sons Co., 18 4th
Renton, Wm., 101 Water
Russell Machine Co., 28th & Spruce av
Smith, Chas. G. Co., Park bldg.
Somers, Fitler & Todd Co. (Engines, Boilers, Pumps & Mach'y), 327 Water
Tranter Mfg. Co. (Engines, New & Second Hand, Pumps, etc.), 105 Water
POTTSVILLE—Sparks & Parker
READING—Seibert, Jno. H. (Engines, Pumps, Xander Machine & Supply Co. (Ltd.) etc.)
SCRANTON—Derry, A. L. & Co. (Engines, Scott, Chas. B. Boilers, etc.)
Scranton Supply & Machinery Co. (Engines, Pumps & Machinery)
SMITHS FERRY—Childs, Jno. (Oil & Gas Well, etc.)
TUNKHANNOCK—Billings, Paul & Sons
WILKES-BARRE — Huntington Machinery & Supply Co. (Electric, etc.)
Penna. Supply Co. (Engines, Pumps, & Machinery)
WILLIAMSPORT—Darling Pump & Mfg. Co.
Link, Jas. H. Machinery Co. (Second Hand Saw Mill)
Moltz, Jacob J. (Engines, Boilers, etc.)

RHODE ISLAND.

PROVIDENCE—Thomas & Lowe Machinery Co. (Engines, Pumps, Boilers, etc.)
Thornton, J. T. Machinery Co.

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
Cameron & Barkley Co. (Engines, Pumps & Machinery)
Charleston Iron Works (Engines, Pumps & Machinery)
Riverside Iron Works
Valk & Murdoch Iron Works (Engines, Boilers, Pumps, etc.)
COLUMBIA—Gibbes Machinery Co.
SPARTANBURG—Morgan Wood & Iron Works
Spartanburg Machinery Co. (Engines, Boilers, Pumps, etc.)

TENNESSEE.

CHATTANOOGA—Chattanooga Machinery Co.
James Supply Co. Montgomery av
Walsh & Weidner Boiler Co., Montgomery av & Syramore
KNOXVILLE—Southern Brass & Iron Co.
Southern Brass & Iron Co.
MEMPHIS—Chickasaw Iron Works (Engines, Pumps & Machinery)
Riechman-Crosby Co. (Pumps, Logging Tools & Lumber Mfrs. Supplies, etc.)
NASHVILLE—Dale, Jno. P. (Engines, Pumps,
Nashville Machine Co. etc.)
Stewart & Bruckner

TEXAS.

BEAUMONT—Wilson, E. L. Hardware Co.
BRENHAM—Roff & Miller
BRYAN—Chatham Machinery Co.
CUERO—Runge, H. & Co.
DALLAS—American Well Wks., 168 Com-
Briggs-Weaver Machinery Co. merce
Graber, H. W. Machinery Co.
Keating Imp. & Mach. Co., 106 N Jefferson
Mosher Mfg. Co., Lemar & Santa Fe
Wolfe, Ben F. & Co., 175 Main
EL PASO—Mine & Smelter Supply Co.
FORT WORTH—Axtell Co. (Wind Mills, Tanks,
Southern Trading Co. etc.)
Texas Mfg. Co.
Van Zandt-Moore Iron Works (Engines, Boilers, Pumps, Dynamos, Motors, etc.)
HOUSTON—Barden Electric & Machinery Co.
Hartwell Iron Works
Heitman, F. W. Co., 113 Main
Smith, Howard Co. (Engines, Boilers, Pumps, etc.)
LUFKIN—Lufkin Foundry & Machine Co.
PALESTINE—Dilley, Geo. M. & Son
PARIS—Collins & Dulaney
SAN ANTONIO—Alamo Iron Works
Collins-Gunther Co.
San Antonio Machine & Supply Co.
TYLER—Connally, Walter & Co.

UTAH.

SALT LAKE CITY—**FAIRBANKS, MORSE** & Co. (Engines, Boilers, Pumps, etc.), 218 S W Temple. (See adv. index, end
Mine & Smelter Supply Co. of book)
Richmond, F. C. Machinery Co. (Mine, Mill & Contractors' Machinery)
Salt Lake Hdw. Co.
Silver Bros. Iron Wks Foundry
Silver, Hyram Foundry & Machine Co.
(Mining, Milling, Smelting, etc.)
Trent Engineering & Machinery Co.
Utah Mining Machinery & Supply Co.

VERMONT.

BENNINGTON—Scott, Olin
CHESTER—Stearns, F. H. Mfg. & Supply Co.

VIRGINIA.

NORFOLK—Duvall, Geo. W. & Co., 880 Water
Lumley-Dodson Co. (Engines, Boilers,
Price, S. M. Mach'y Co. Pumps, etc.)
Walke, Henry Co. (Engines, Boilers, etc.)
Westbrook, Jno. D., 205 Water
PETERSBURG—Stockdell-Myers Hdw. Co.
Stratton & Bragg Co. (Engines, Boilers, Pumps, etc.)
RICHMOND—Frischkern, H. B., 801 E Cary
Morrison Mach'y & Sup. Co. (All Kinds)
Smith-Courtney Co. (Engines, Boilers, etc.)
Sydnor Pump & Well Co. (Engines, Pumps & Saw Mill Machinery)

WASHINGTON.

OLYMPIA—Mason, C. Z.
SEATTLE—Caldwell Bros. Co.
Elliott Bay Iron Works (Saw Mill Machinery, etc.)
Hallidie Machinery Co. (Engines, Boilers, Pumps, etc.)
Hofius Steel & Equipment Co. (Locomotives, Steam Shovels, etc.)
Kilbourne & Clark Co. (Engines, Dynamos, Motors, etc.)
Meese & Gottried Co. (Power Transmitting,
Moore, Chas. C. & Co. etc.)
Moore, Chas. C. & Co.
Puget Sound Machinery Depot (Saw & Shingle Mill Machinery, etc.)
Simonds Mfg. Co.
Star Machinery Co. (All Kinds)
Tatum & Bowen (Machinery of All Kinds)
United Iron Works
SPOKANE — **FAIRBANKS, MORSE &** Co. (Engines, Pumps, Boilers, etc.) (See adv. Index, end of book)
Mitchell, Lewis & Staver Co.
National Iron Works
Spokane Hardware Co.
Union Iron Works (Inc.) (Mining Machin-
United Iron Works ery, Engines, etc.)
TACOMA—Caldwell Bros. Co. (Saw Mill & Wood Working)

WEST VIRGINIA.

CHARLESTON—Capitol City Supply Co.
South Side Foundry & Mach. Works
CLARKSBURG—Osborn's, J. F. Sons
HUNTINGTON—Miller Supply Co.
WESTON—Danser Mfg. & Supply Co

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WISCONSIN.

ASHLAND—Bretting, C. G. Mfg. Co. (Mill Machinery, etc.)
LA CROSS—McKinzie & Rodemyer Machine Co.
MADISON—King & Walker Co. (Engines Pumps & Machinery)
MILWAUKEE—Galland-Henning Pneumatic Malting Drum Co., 97 Wisconsin
Grotenrath, Fred, 111 W Water
Hide & Leather Working Mach. Co. (Hide & Leather Working Machinery, etc.)
Lauson, C. P. & J. Co. (Mill Machinery), 30th
Milwaukee Machinery Co., 31st & Walnut
Packard, O. L. Machinery Co. (Wood & Iron Working Machinery), 165 W Water
SMITH, T. L. CO. THE (Engines, Pumps, Rock Crushers, etc.), Majestic bldg. (See adv. index, end of book)
Wisconsin Machinery & Mfg. Co., Canal, nr Muskego
Yale, H. P. & Co. (Engines, Pumps, etc.), 99 W. Water
PINE RIVER—Kimball, A. M. & Son
RACINE—Racine Engine & Machinery Co.
WAUSAU—Murray, D. J. Mfg. Co.

Machinery (Second Hand)

(See Machinery Dealers, New & Second Hand)

Machinists' Fine Tools

(See Specific Article Wanted)

Machinists & Founders

Star (*) indicates Machinists.
Dagger (†) indicates Founders.
Star & Dagger (*†) indicates Machinists & Founders.
Section Mark (§) indicates Brass & Composition Founders.

All Manufacturers of Machinery, Castings, etc., who have a machine shop or foundry are classified under this heading and sub-classified in other parts of the book under the specific article they produce, such as:

Agricultural Implement Manufacturers.
Brick Machinery, Etc.
Cars, Various Kinds.
Cast Iron Pipe, Various Kinds.
Castings, Various Kinds.
Cranes, Various Kinds.
Drills, Various Kinds.
Dynamos & Motors.
Elevators.
Engines, Various Kinds.
Flour Mill Machinery.
Gears, Various Kinds.
Grinders, Various Kinds.
Hammers, Various Kinds.
Harrows, sub-classification of Agricultural Implements.
Heaters, Steam & Hot Water.
Ice & Refrigerating Machinery.
Lathes, Various Kinds.
Mining Machinery.
Paper & Pulp Mill Machinery.
Plow Manufacturers, sub-classification of Agricultural Implements.
Plumbers' Brass Goods.
Presses, Various Kinds.
Radiator Manufacturers.
Rolling Mill Machinery.
Saw Mill Machinery.
Special Machinery.
Steel Structural Work.
Stove Manufacturers.
Textile Machinery.
Valve Manufacturers, Various Kinds.
Wheels, Various Kinds, and hundreds of other articles too numerous to mention.

For correlative trades not included under head of Machinists & Founders see:

Automobile Builders.
Boilers, Steam, Etc.
Bolt & Nut & Rivet Manufacturers.
Chains, Various Kinds.
Cutlery Manufacturers.
Forgings, Various Kinds.
Furnace Manufacturers, Hot Air, Etc.
Gas & Electric Fixture Manufacturers.
Hardware Manufacturers.
Rolling Mills & Steel Manufacturers.
Saw Manufacturers.
Screw Manufacturers.

For all other kindred classifications consult Index of Contents.

ALABAMA.

ALEXANDER CITY—*§Tallapoosa Foundry & Machine Co.
\NDALUSIA—*†Andalusia Foundry & Machine Shop
ANNISTON.—*†§Anniston Foundry & Machine Co.
*†CENTRAL FOUNDRY CO. (See New York.) (See adv. index, end of book)
*†Kilby Locomotive & Machine Works (Logging Locomotives, Cars, Wheels & Axles)
*§Lewis Iron Works
*†Union Foundry Co. (Cast Iron Pipe & Fittings, etc.)
*†U. S. Cast Iron Pipe & Foundry Co. (See New York)
*†Western Steel Car & Foundry Co. (See Chicago, Ill.
ATTALLA—*†Attalla Foundry & Mach. Co.
AVONDALE—†Avondale Stove & Foundry Co. (Stoves)
BESSEMER—*†Bessemer Foundry & Machine Co.
†Bessemer Soil Pipe Co. (Cast Iron Soil Pipe)
†CENTRAL FOUNDRY CO. (See New York.) (See adv. index, end of book)
†Ragan Foundry & Hollow Ware Co.
*†§U. S. Cast Iron Pipe & Foundry Co (See New York)
BIRMINGHAM—*§Ajax Metal Co. of the South
*†Alabama Consolidated Coal & Iron Co.
†Alabama Mfg. Co. (Hollow Ware)
*†American Cast Iron Pipe Co. (Cast Iron
†American Casting Co. Pipe Mfrs.)
*Beatty, E. T.
*†Beggs Pipe & Foundry Co. (Cast Iron
*†Birmingham Car & Mfg. Co. (Cars, etc.)
*†§Birmingham Foundry Co.
*†Birmingham Machine & Foundry Co. (Steam Engines, Etc.)
†Birmingham Pipe & Casting Co. (Soil Pipe & Fittings & Castings)
*Birmingham Rail & Locomotive Co.
*†Birmingham Railway, Light & Power Co.
*†Birmingham Steel & Iron Co. (Basic Open Hearth Steel Castings, Forging & General Foundry & Machine Work)
*†Birmingham Stove & Foundry Co. (Stoves, etc.)
*†Caldwell-Watson Fdry. & Mach. Co.
*†Continental Gin Co. (Cotton Gins, etc.)
*†Decatur Car Wheel & Mfg. Co.
*†Dimmick Pipe Co. (Cast Iron Pipe for Gas & Water, Hydrants, Valves, etc.)
*†Eureka Stove Works
*§Gilb, Valentine & Son. (Brass Foundry)
*†Hardie Tynes Mfg. Co. (Corliss Engines,
*†Johnson, T. F., E Birmingham etc.)
*Johns, J. H.
*†Kilby Frog & Switch Co.
*†Payne & Joubert Machine & Foundry Co.
*†Republic Iron & Steel Co. (See Chicago,
*†Richards Iron Works Ill.)
*†Sloss-Sheffield Steel & Iron Co. (Also Mfrs. of Iron & Steel)
*Southern Bridge Co.
*†Southern Foundry & Machine Works.
†Southern Pipe & Fdry. Co. (Cast Iron Pipe)
*†§Southern Steel Co. (Open Hearth, Grey Iron & Brass Castings, All Consumed by the Company)
*Steward, C. C. Machine Co.
*†Stockham Pipe & Fittings Co. (Cast Iron Soil Pipe & Fittings, Steam Fittings, etc.)
*†Tennessee Coal, Iron & R. R. Co. (Iron & Steel Castings, etc.)
*†Union Foundry & Machine Co.
*†Williamson Iron Co. (Engines, Boilers'
BOAZ—†Williamson, E. G. Castings, etc.)
BREWTON—*†§Brewton Iron Works
BRIDGEPORT—*†§De Loach Mill Mfg. Co.
†§Gunter Stove & Range Co. (Stoves)
COLUMBIA—*†Jones, A. A.
CULLMAN—*†§Ehrensperger, H. (Brass Fdry.)
DECATUR—*†§Jervis Foundry & Machine Co.
DEMOPOLIS—*†Demopolis Foundry & Machine Shop
DOTHAM—*†§Dotham Foundry & Machine Co.
ENSLEY—*†Empire Plow Co. (See Cleveland, O.)
†§Ensley Machine & Foundry Co.
*†Tennessee Coal, Iron & R. R. Co.
EVERGREEN—*Alabama Planter Co. (Agr'l Implts.)
FLORENCE—†Cohen Stove & Range Co. (Stoves, Ranges, etc.)
*†Florence Machine & Ry. Supply Co.
*†§Thoele, Phillips Mfg. Co.
FORT PAYNE—†Fort Payne Stove & Foundry Co. (Stoves, etc.)
GADSDEN—†A. & J. Mfg. Co. (Stove)
†Alabama Iron & Steel Co.
*†Campbell Mfg. & Supply Co. (Plumbers' Supplies, etc.)
*†Coosa Pipe & Foundry Co.
*†Gadsden Car Works
†Gadsden Foundry Co.
*†Gadsden Pipe & Foundry Co. (Soil Pipe, etc.)
*Southern Steel Co.
*Ward, Weller Mfg. Co.
GREENVILLE—*Henderson, C. C. Machine Co.
HARTSELLS—*†§Hartsells Machine Co.
HOLT — *†CENTRAL FOUNDRY CO. (See New York) (See adv. index, end of book)
HUNTSVILLE—*†§Huntsville Foundry & Machine Works (Iron & Brass Fdrs.)
MOBILE — *†§Alabama Iron Works (Iron & Brass Fdrs.)
*Bay City Machine Works
*Buerger, August (Machinist)
*†§Home Industry Iron Works
*†Louisville & Nashville R. R. Foundry & Machine Shops
*†§Mobile Foundry Co.
*Mobile Hydraulic Works
*†Mobile Stove & Pulley Mfg. Co. (Stoves,
*†Ollinger-Bruce Dry Dock Co. etc.)
*†Union Iron Works
MONTGOMERY—*Capitol City Machine Wks.
*†Hartley Boiler Works
*†Janney & Co. (Engines, Saw Mills, Grate Bars, Brass & Iron Castings, etc.)
MORRISVILLE—*†Morris Mfg. Co.
NEW DECATUR—*†L. & N. Ry. Foundry
*New Decatur Machine Co.
NORTH BIRMINGHAM — *†§Birmingham Novelty Works (Light Brass, Grey Iron Castings & Hdw. Specialties)
*Canon Pump Mfg. Co.
*North Birmingham Forge Co.
OPELIKA—*†§Collins Machine Works
OZARK—*Venemline, L. M.
PRATTVILLE—*†Continental Gin Co. (See Birmingham)
SELMA—*†Peacock Iron Works (Engines, Cars, etc.)
*†Union Iron Works Co. (Engines, Locomotives rebuilt, etc.)
SHEFFIELD—*†Gilb, V., & Co. (See Birmingham)
*†King Stove & Range Co.
*†Lowman Lizzie Co. (Stoves)
*†Sheffield Cast Iron Pipe & Foundry Co. (Cast Iron Pipe for Gas & Water)
*†Sheffield Casting & Mfg. Co. (Castings,
*†§Sheffield Iron Works etc.)
*†Sheffield Steel Range & Stove Co. (Stoves)
TALLADEGA—*†§Birmingham & Atlantic Ry.
*†§ Foundry
*†§Talladega Machine & Foundry Co.
TUSCALOOSA—*†Strickland Bros. Machine Co.
TUSCUMBIA—*†Rowland, T. T. & Son (Cultivators)
WHISTLER—*†Mobile & Ohio R. R. Foundry
WOODLAWN—*Perryman & Co. (Inc.) (Cotton Seed Machinery)

ALASKA TERRITORY.

JUNEAU—*Forrest, George F.
KETCHIKAN—*Schlotham, W. F.
NOME—*Reed, Charles W.
SKAGWAY—*†§White Pass & Yukon Ry.
TREADWELL—*†Alaska Treadwell Gold Mining Co.

ARIZONA TERRITORY.

CLIFTON—*†§Arizona Copper Co.
DOUGLAS — *†§Copper Queen Consolidated Mining Co.
JEROME—*†United Verde Copper Co.
NOGALES—*†Arizona & Sonora Mfg. Co. Mining Machinery, Castings, etc.)
PHOENIX—†Arizona Iron Works
*Kunz Bros. & Messinger
Phoenix Machine & Cold Storage Co.
†Williscroft, Geo. R.
PRESCOTT—*Prescott Iron Works
*Tilton, B. (Machine Shop)
TUCSON—*Deirig, M. W. (Machine Shop)

ARKANSAS.

BATESVILLE—*Kealer, G. H.
BRINKLEY—*†Brinkley Car Works & Mfg. Co.
CAMDEN—*†Waters Foundry Co.
CLARENDON—*†Allen, W. J.
*†Galloway, J. B. Co. (Plow Beams, etc.)
CORNING—*Canfield, R. W.
DARDENELLE—*Cox, Thos. Machinery Co.
*†Partin, W. E.
FAYETTEVILLE—*Sandford & Son.
FOREMAN—*†Ames Shovel & Tool Co. (of Boston, Mass.)
FORT SMITH—*†Ketcham Iron Co. (Engines, etc.)
*†Mehlberger Iron Co.
HARRISON—*†Harrison Foundry & Machine
HELENA—*Allin Machine Works Co.
HOPE—*†Ruggles, C. H.
JONESBORO—*†Jonesboro Iron & Engine Co.
LITTLE ROCK—*†Dickinson Ball Bearing Wheel & Vehicle Co. (Ball Bearing Wheels)

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*Little Rock Boiler and Iron Works.
*Southern Machine Co.
*†§Thomas-Fordyce Mfg. Co.
*†Wing & Stephens Co. (Engines, etc.)
MORRILLTON—*†De Long Machinery Co.
*†Lachowsky, A. A.
PARAGOULD—†Roy Plow Co. (Plows, etc.)
PINE BLUFF—*†Dilley Foundry Co. (Saw Mill Machinery, Castings, etc.)
*†Lelaurin, A. A.
*†§Pine Bluff Iron Works (Iron & Brass Founders)
POCAHONTAS—†Pocahontas Bending Works.
RECTOR—*§Harper, J. C.
RUSSELLVILLE—*†§Russellville Iron Works
*Sauerman & Ball
TEXARKANA—*De Marce, Mrs. A. (Engines, Castings, etc)
*†Texarkana Iron Works
VAN BUREN—Engineering Works. (Industrial Cars, etc.)
*†§Morrell, Jas.

CALIFORNIA.

ALAMEDA—*†§Delanoy Mfg. Co. (Plumbers' Fittings, etc.)
*Gorham Engineering Co. (Marine Gas Engines, etc.)
*Hercules Gas Engine Works (Gas Engines, etc.)
*Neilson, H. P.
*†United Iron Works (See San Francisco)
ALTAVILLE—*†Angels Iron Works
BAKERSFIELD—*†Bakersfield Iron Works
BENICIA—*†Benicia Iron Works (Plows, Cultivators, Harrows, etc.)
BERKELEY—*†Berkeley Iron Works, W. B.
†Macauley, H. C. Foundry Co.
*Schuyler Co. (Tools, etc.)
*†Van Emon Elevator Co.
*†Western Mfg. & Supply Co.
CHICO—*Bullard, Walter (Hay Presses, etc.)
*†Mery, M. L.
*†Diamond Match Co. (Engineering Dept.) (Castings & Machy.)
COALINGA—*†§Bunting Iron Works.
*†Coalinga Iron Works
COLUSA—†Wulff, Frank
DANVILLE—*Mitchell, A. H.
EMERYVILLE—*†Johnson Mfg. Co.
ETNA MILLS—†Etna Foundry (Inc.)
EUREKA—*†California Iron Works (Inc.)
*†Eureka Foundry Co.
FRESNO—*Central California Machine Wrks.
†Burnett, J. H. (Gas Engines, etc.)
*†Fresno Agricultural Works (Inc.) (Agricultural Implements)
*Hynes & Hollis (Gas Generators, etc.)
†Novelty Iron Works (Joe. Halford, Prop.)
*†Traves, Chas. E. (Machinist & Foundry)
*†Valley Foundry & Machine Works
*Woodward, R. W. & Co. (Machinists & Agricultural Implements)
FULLERTON—*Hiltacher, J. F. & Co.
GOLETA—*Maiers, G. F.
GRASS VALLEY—*†George Bros.
*†§Taylor Foundry & Engineering Co. Vacuum Filters, Steam Engines, etc.)
GREENVILLE—*†Anderson, Alex.
HANFORD—*Braden Mfg. Co. (Agr'l Impl's, Gurnee, B. S. Gasoline Pumps, etc.)
HOLLISTER—*Shackelford, F. M.
LONGBEACH—*Butler, F. G. Co. (Acetylene
†Harbor Iron Works Machinery, etc.)
LOS ANGELES—*†§Acme Brass Foundry Co. (Brass & Bronze Castings, etc.)
*†Advance Machine Co.
*†§Axelson Machine Co. (Brass Fdrs. & Machinists)
*†§Bailey Ornamental Iron Co.
*Baker Iron Works
*Brown-Wirstanley Mfg. Co. (Machinery Specialties)
§Bruce, Thos. P. (Plumbers' Goods)
*Buttress Mfg. Co.
*California Stove Mfg. Co.
*California Well Tool & Machine Works
*Carr Engineering Co.
Commercial Engine Co., 953 N Main
*Diss Machine Works (Oil Burners, General Machinists)
Enterprise Machine Works
*†Fruhling, A. G.
*§Fulton Engine Works (Inc.) (Mining, Oil Well & Saw Mill Machinery & Iron &
*Harrison, C. W. Brass Castings, etc.)
*§Hutchison, W. G. Co. (Brass Fdrs. etc.)
*Johnson Foundry & Machine Works
*§Jones, Jas. Co. (Brass Fdrs.)
*Keystone Iron Works
*†Killefer-Griffith Mfg. Co. (Cultivators,
*Lacy Mfg. Co. (Iron Pipe, etc.) etc.)
Leach, H. M.
*Livingston & Lee. (Gas Engines, etc.)
*†§Llewellyn Iron Works (Iron & Brass Founders, etc.)
*†Los Angeles Mfg. Co. (Pipes, Tanks,
*Los Angeles Engine Works etc.)
*†Los Angeles Foundry Co.
*§Los Angeles Gas & Elec. Fixture Mch. Co. (Brass Fdrs. etc.)
*Los Angeles Ice Machine Works (Ice Machines & "Stone" Pipe & Automobile Wrenches)
†§Los Angeles Stove Co. (Stoves, Castings, etc.)
*†§McCan Mechanical Works (Iron & Brass Foundry, Pattern Shop, Machine Shop,
*Maine Machine Works etc.)
*Meese & Gottfried Co. (Pulleys, etc.)
*Mills Iron Works
*Norton Engine & Power Co. (Gas Engines)
*†§O'Neil, A. S., Co.
*†Pacific Coast Mfg. Co.
*†Pacific Electric Railway Co.
*†Pacific Stove Co. (Stoves, etc.)
*†Pacific Surgical Mfg. Co. (Surgical Instruments)
*§Parmelee, Z. L., Co.
*†Phillips Heating, Vent. & Mfg. Co. (Hot Air Furnaces, etc.)
*†§Pilgrim Iron Works (Rock Crushers, Power Transmission, Hoists & All Kinds of Mining Machinery)
*Pioneer Boiler & Machine Works (Machinists)
*Simonds, F. K. Co. (Iron Pipe, etc.)
*Sjostrom, Victor, Machine & Metal Works
*Speer Gas Machine Mfg. Co. (Gas Machines)
*Stearns Gas Engine Works (Engines, Plows
*Stewart, A. C. & Pumps)
*†Tennessee Iron Works
*†Sunset Iron Works
*Thacker, F. L.
*†Titus Iron Works
*Trinkkeller, E. (Ornamental Iron)
*†Union Iron Works (of Los Angeles)
*†Union Oil Tool Co. (Oil Well Tools)
†United Casting Co.
*†United Iron Works (Centrifugal Pumps & Mining Machinery, etc.)
*Universal Machine & Tool Works
*Vulcan Iron & Tool Works
*Wallace-Lindesmith Hoist Co.
*†Washington Iron Works
*†§Western Gas Engine Co. (Gas Engines)
*Wigmore, John, & Sons Co. (Machine
*Wilgus Mfg. Co. Tools, etc.)
MARYSVILLE—*†§Empire Foundry (Harvesters, Castings, etc.)
*†Marysville Machine Works (Pumps,
*Ogden, J. G. Mining Mach'y, etc.)
*Yuba Construction Co.
MELROSE—*Patterson, E. R. & Co.
MONTAGUE—*Florencio, John
*McClellan, A. H.
MONTEREY—*Landon, Horace
NAPA—*Jacobson, J. C.
*Lindow, W. J.
*Napa Pump Works (Pumps, Pruning Shears, etc.)
NEEDLES—*Needles Machine Works
NEVADA—*†Miner's Foundry & Supply Co.
NEWARK—*†Graham, James, Mfg. Co. (See San Francisco, Cal.)
NILES—*†§Ames, A. T., Mfg. Co. (Pumps, etc.)
OAKLAND—*Atlas Gas Engine Co. (Gas Engines, etc.)
*Bowen & French Mfg. Co. (Agr'l Imple-
*†Dalton, Henry & Sons Co. ments, etc.)
*Duck Cycle & Motor Co. (Motor Cycles,
†Empire Foundry Co. Bicycles, etc.)
*†§Judson Mfg. Co. (See San Francisco)
*†§Matthews, F. I. (Iron & Brass Founder
*Oakland Machine Works & Machinist)
*§Oakland Traction Co.
*†§Phoenix Iron Works (Iron & Brass Founders, Machine Castings, etc.)
§Pioneer Brass Foundry
*Reliance Engineering Co.
*†Scoville Iron Works
*§Standard Brass Casting Co. (Brass
†Standard Foundry Castings, etc.)
*Stearns Bros.' Spraying Machine Co. (Spraying Machines & Automobiles)
*†Union Gas Engine Co. (Gas & Oil Engines)
*Union Machine Works
*§United Iron Works (Centrifugal Pumps & Mining Machinery, etc.)
†White Ornamental Iron Works (Builders' Castings & Iron Work, etc.)
*§Young, R. S. Supply Co. (Brass Foun-
OAK PARK—*Latourette & Fical. ders)
ONTARIO—*†§Pacific Electric Heating Co (Laundry Irons, etc.)
ORCUTT—*Union Oil Tool Co.
OROVILLE—*Boston Machine Shop Co.
*Indiana Machine Shop Co.
*New York Machine Shop
PALO ALTO—*Peterson, Fred E.
PASADENA—*†Reliance Machine Works
*Wingren, Chas. O.
PETALUMA—*†McNear Garage & Machine Works
PLACERVILLE—*†El Dorado Foundry Co.
POMONA—*Osler, F. H. (G. Uro, Prop.)
*†*Pomona Mfg. Co. (Traction Engines, etc.)
PORTERVILLE—*Price, G. W. Pump Co. Engines, etc.)
RED BLUFF—§Diamond Match Co.
†Hammer, H. H.
REDDING—*†§Redding Iron Works (Brass & Iron Castings, etc.)
REDLANDS—*†Osburn Iron Works
RIVERSIDE—*†Bonham, G. W. & H. J.
*†California Iron Works
*†Riverside Foundry & Machine Works (Packing House Machinery, etc.)
SACRAMENTO—*Capital Machine & Auto Co.
†Chapin, W. W.
*Davies, John G.
*Naylor Sons & Co.
*†§Peerless Iron Works
*†§Root, Neilson & Co. (Iron & Brass Founders & Machinists
*†§Sacramento Foundry & Machine Works
*†§Southern Pacific Railway Foundry
*Veach, F. H.
SALINAS—*Iverson Bros. (Machinists, etc.)
*Lacey, Geo. E.
ST. HELENA—*Grant, P. S.
SAN BERNARDINO—*†Hanford, J. J.
*†Parker Iron Works
SAN DIEGO—*†Clark Machinery & Electrical
*Hunt Automobile Co. Co.
*Ingle Mfg. Co. (Stoves, etc.)
*†Kessler Machine & Supply Co.
†McCoy, Thos. & Sons
*†Standard Iron Works
*†Sterne Bros. Co.
*Wilson, James D.
SAN FRANCISCO—*Acme Iron & Wire Works, 35 Boardman pl
*†§Ajax Brass & Iron W'ks, 45 Clementina
*Alcher Machine Works, 1650 Stockton
†§American Foundry Co., 55 Tehama
*American Tool Works (Well Boring Tools, etc.), 109 Mission
*†§Atlas Brass Works, 827 Folsom
*Atlas Gas Engine Co. (Gas Engines, etc.)
*Bailey-Smith Machine Co., 71 1st
*Bay City Iron Works, 1243 Harrison
*†Betts Spring Co. (Carriage, Wagon & Car Springs), 218 Fremont
*Binns, Wm. H. (Machines & Tools), 416 Harrison
*Blasauf & Sunkel, 81 City Hall av.
*†Brode & Clark Iron Works (Founders & Machinists), 621 Howard
*Brunig Machine Works, 516 Brannan
*†California Adding Machine Co. (Adding Machines), Flood bldg.
*§California Artistic Metal & Wire Co., 347 7th
*California Electrical Works (Dynamos & Motors, Elevators, etc.), 642 Folsom
*California Plating & Machine Works, 25 Zoe
*California Saw Works (Saws & Machinery), 721 Brannan
*California Tool Works (J. Weichhart, Prop.) (Machinists & Dies & Models, etc.), 143 Beale
*†Carr Foundry & Machine Wks., 932 Folsom
†Central Iron Works, 631 Florida
*Cereghino, D. (Pumps, etc.), 4445 Mission
*Christie Machine Works, 191 Fremont
*Clot & Crist Mach. Co. (Steam & Power Pumps, etc.), 940 Bryant
*Columbia Machine Works (Machinists), 215 Spear
*Compressed Air Machinery Co., Jessie & Ecker
*Corliss Gas Engine Co. (Gasoline & Oil Engines), 227 Folsom
*Cyclops Iron Works (Brewery Machinery, Engines, Ice & Refrigerating Machinery, Printing Presses, etc.), 223 Main
*§Day, Thos. Co. (Brass Fdrs. & Finishers), 719 Mission
*§De Rome, Louis, 126 Main
*†Doble, Abner Co. (Tools & Machinery).
*†Dow, Geo. E. Pumping Engine Co. (Pumps & Hydraulic Machinery, etc.), 179 1st
*†Dundon's San Francisco Iron Works (Engine, Boilers, etc.), 223 Folsom
*Dyer Bros. (Bldrs. Iron Work), 17th & Kansas
*†Edwards, Wm. & Co. (Well Boring Tools & Forgings), 109 Fremont
*†Enterprise Foundry, 19th & Florida
*Evans, C. H. & Co. (Engines, Pumps. etc.), 187 Fremont

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*Falls Mfg. Co. (Hdware. Specialties, etc.). 317 1st
*§Farrenkoff, Chas. & Sons, 623 Minna
†Fremont Iron Works, 320 Fremont
*Galli Machine Works (Machinists), 429 Tehama
*†§Garratt, W. T. & Co. (Brass & Bell Founders & Machinists), 138 Fremont
*†Golden State & Miners Iron Works (Engines & Mining Machinery), 251 1st
*†Graham, Jas. Mfg. Co. (Stove & Range Mfrs. & Light & Grey Iron Castings), 27 Minna
*Gray, J. A. Co. (Presses, Dies, Tools, etc.), 18th & Bryant
*§Greenberg's, M. Sons (Brass Foundry & Plating Works), 225 Beale
*†Hammond, J. & Co. (Car Bldrs., Electric Elevators, Machine Work, etc.), 7th &
*Haslehurst, W. W., 2122 Folsom King
†Hedley, John, 215 Harrison
*†Hendy, Joshua Iron Wks. (Mining & Woodworking Machinery, Castings, etc.), 75 Fremont
*Hicks, Jas. L. (Gasoline Engines, Tools, etc.), 967 Howard
*Imperial Gas Engine Co. (Gas & Oil Engines), 60 Clementina
*Irvin Machine Works, 335 Golden Gate av.
*†Jackson, Byron Machine Works (Engines, Pumps, etc.)
*†Jackson, P. H. & Co. (Inc.) (Arch'l Iron & Steel Work, Sidewalk Lights, etc.), 225 1st
*Johnson, S. T., & Co. (Oil Pumps, etc.), 1334 Mission
*†Judson Mfg. Co. (Machine & Bridge Work & Castings), 819 Folsom
*§Kingwell, Vincent (Brass & Bell Foundry), 1068 Mission
§Krens, Oscar, Copper & Brass Works (Brewers Supplies, etc.), 212 Fremont
*Krogh Mfg. Co. (Irrigating, Mining, Mill & Wine Making Machinery, etc.), 149
†Liberty Iron Works, 229 Main Beale
*Lyspert & Kelsey (Engineers & Machinists)
†Lutge, Richard (Iron Founders), 3158 18th
†McCormick Bros. Iron Works, Main & Folsom
*Main Street Iron Works (Wm. Deacon, Prop.) (Engines, etc.)
†Mechanics Foundry, 920 Brannan
*†Meese & Gottfried Co. (Engines, Ice Machines, Power Transmitting, etc.), 19th & Harrison
*†§Merle, A., Co. (Art Metal Works, etc.)
†Metropolitan Iron Works, 9th & Brannan
†Mission Fdry. & Stove Works (Stoves, etc.), 19th & Treat av.
*†Moore & Scott Iron Works (Boilers, etc.), 638 2d
*†Muir & Symon (Inc.) (Marine Iron Works), 1015 Battery
*Murray Bros. Machine Works, Engines, etc.), 231 Folsom
*North Machine Co., 324 Main
*North Star Iron Works, 1271 Folsom
*†Ocean Shore Iron Works (Boilers, Tanks, Structural Work), 550 8th
*†Ohmen Engine Works (Steam Engines), 17th & Capp
*Orton, C. K. Machine Co., 315 Fremont
†Pacific Foundry Co., 18th & Harrison
*Pacific Gear & Tool Works (Gear Cutting & Machinists), 1265 Folsom
†Pacific Jupiter Steel Co. (Steel Foundry). 507 Mission
*†Pacific Rolling Mill Co., 17th & Mississippi
*†Pacific Ship Yard & Ways Co., 48 Steuart
*†Pacific Structural Iron Works, 1021 Bryant
*Pacific Tank Co. (Mining Machinery), 318 Market
*Parsons & Blackmon Machine Co., 311 Harriett
*†Pelton Water Wheel Co. (Water Wheels for Power, etc.), 19th & Harrison
†Potrero Foundry (Inc.), Indiana & 22d
†Ralston Iron Works (Builders' Iron Work & Castings), 20th & Indiana
*†§Risdon Iron & Locomotive Wks. (Engines, Dredging, Mining & Sugar Machinery, etc.)
*Rix Compressed Air & Drill Co. (Rock Drills, Air Compressors, etc.), 219 Spear
§Sanders & Co.s Copper W'ks, 304 Howard
*†San Francisco Stove Works (Stoves, Ranges, Castings, etc.), 244 Townsend
*San Francisco Engineering Co. (Machinery), 322 6th
§San Francisco Zinc & Brass Foundry, 48 Clementina
†§Sartorius Co. (Arch'l Iron Works), 15th & Utah
*Schilling, Adam, & Sons, 211 Main
†Schrader's Iron Works, 1249 Harrison
*Speck, Wm. (Gear Cutting, Laundry Machinery, etc.), 2183 Folsom
*†Standard Gas Engine Co. (Gas Engines), 436 Market
*†Steiger & Kerr Stove & Fdy. Co. (Stoves, Mining Machinery, Bridge and Building Castings, etc.)
†Stoesser, F., & Son, 39 Shotwell
*†Sunset Iron Works, 1057 Folsom
*Swain Hadwen Mfg. Co. (Gas Engines, etc.), 92 7th
†Thompson Bros. (Iron Fdrs.), 625 Brannan
*Todt & Peters, 322 Main
*Toulouse & Delorieux (Machinists), 489 8th
*Union Gas Engine Co. (Gas & Gasoline Engines)
*†§Union Iron Works Co. (Ship Builders, Steel & Iron Castings & Steam Engines)
*Union Machine Co., 934 Brannan
*United Engineering Works (Ship Builders, Marine Engines, etc.), 254 Spear
*†United Iron Works (Centrifugals, Pumps & Mining Machinery, etc.)
*†§U. S. Navy Yard Fdry., Mare Island
*†Van Emon Elevator Co. (Electric & Hydraulic Elevators)
*†Vulcan Iron Works (Engines, Ice & Refrigerating, Mining & Saw Mill Machinery), 604 Mission
*Welshons & Symon, 3648 18th
†Western Foundry, 218 Harrison
*†Western Iron Works (Fire & Burglar Proof Doors, Shutters, Bank Vaults, Fire Escapes, etc.), 123 Beale
†Withington, C. W. (Ornamental Iron Work), 416 2d
*†§Woodin & Little (Windmills, Pumps & Brass Goods), 70 Fremont

SAN JOSE—*†Anderson-Barngrover Mfg. Co. (Fruit Grading & Packing Machines)
*†Caton's Foundry & Machine Co.
*†Holmes Machine & Tool Mfg. Co.
*Knapp Mfg. Co. (Gas Engines, Launches, etc.)
*†Kuchenbeiser, F. Co.
*§Ostenberg Mfg. Co. (Gas Engines, etc.)
*†§San Jose Brass Foundry
*†San Jose Foundry
*Wight, David (Machinist)

SAN LEANDRO—*†Best Mfg. Co. (Harvesters, Binders, Traction Engines, etc.)
*Junior Monarch Hay Press Co. (Hay Presses, etc.)

SAN LUIS OBISPO—*Waite, H. H. (Machin-
SANTA ANA—*Acme Machine Co. ist)
*Elliott, B. D.
SANTA BARBARA—*Higgins Machine Co.
*†Wood-Redington Machinery Co.
SANTA MARIA—*Roemer & Roemer (Pipe Wrenches)
SANTA ROSA—*†§Santa Rosa Hardware & Machine Co.
SELMA—*Vincent, M. (Agr'l Implts.)
SONORA—*Damas & Francis
STOCKTON—†Davis Iron Works
†East Street Foundry
*Geiger, J.
*†§Globe Iron Works (Inc.) (Engines & Dredging Machinery)
*Harris Mfg. Co. (Harvesters)
*†Holt Mfg. Co. (Agricultural Implements, Traction Engines, etc.)
*†Houser & Haines Mfg. Co. (Harvesters, Grain Drills, etc.)
†§Monarch Foundry Co.
*†Samson Iron Works (Inc.) (Engines, Pumps, Castings, etc.)
*†Shaw, H. C. Co. (Harrows & Plows)
*Stockton Gas Engine Co.
*†§Stockton Iron Works (Dredges, Engines, Castings, etc.)
SUNNYVALE—*†Goldy Machine Co. (Woodworking Mach'y, etc.)
SUTTER CREEK—*†Knight & Co. (Water Wheels, 100 to 2500 h. p., Castings, etc.)
TERMINAL—*York & Pett
TUOLUMNE—*†Holman, F. C.
VENTURA—*Palm, A.
*†Ventura Mfg. & Implement Co. (Agrl.
VISALIA—*†Coats, J. R. Implts., etc.)
WALNUT CREEK—*Kirsch, Michael
WINDSOR—*Philpott, J. F.
WOODLAND—†Faulkner, Peart Co.

COLORADO.

ASPEN—*†§Mellor, Jos.
BLACK HAWK—*†§McFarlane & Co.
*Stroehle, Geo. & Son
BOULDER—*†Boulder Iron Works Co.
†Devline Foundry Co.
†Phoenix Iron Works Co.
CANON CITY—*†Canon Foundry & Machine Co.
CENTRAL CITY—*†McFarlane & Co. (Mining Machinery, etc.)
COLORADO CITY—†Progressive Stove & Furnace Co. (Stoves, Furnaces, etc.)
COLORADO SPRINGS—*Bumstead, Frank F. & Co.
*†§Hassell Iron Works Co. (Rock & Ore Crushers, Horse Power Hoists & Iron &
*Strang, C. G. Brass Castings, etc.)
DELTA—*†§Mundry, Peter
DENVER—*Alhoff, Wm. F. & Son (Refrigerating Machinery & Supplies, 1540 16th
*Anderson, Chas. M., 1831 Blake
*Card, C. S. Iron Works Co.
*Carnahan, C. T. Mfg. Co. (Rock Drills, etc.)
*†Clark's Foundry Co. (J. S. Clark)
*†§Colorado Fuel & Iron Co. (Iron, Steel & Brass Castings, All Consumed by the Company; also Machines for Roll Turning Repairs, etc.)
†Colorado Gray Iron Foundry Co.
*†Colorado Iron Works Co. (Mining & Smelting Machinery, Iron Forgings, etc.),
†Cox, Thos & Son 33d & Wynkoop
*†Davis, F. M. Iron Works Co. (Mining & Power Transmitting), 8th & Larimer
*§Denver Brass Works (Brass Founders & Finishers), 1307 Lawrence
*†Denver Engineering Works Co. (Mining Machinery, Iron Forgings, etc.)
†Denver Gas Engine & Appliance Co.
*†Denver Iron Works & Foundry Co., 1827 Wynkoop
*Denver Rock Drill & Machinery Co. (Rock Drills, etc.)
*†Denver Rolling Mills & Foundry Co.
*Dillon Iron Works Co.
†Downing & Johnson
*†Enz & Orr, 1741 Blake
*†§Flint-Lomax Electric & Mfg. Co. (Brass Fdrs. & Electrical Machy., etc.)
*Gair & Binderup
*Gartman, C. E. (Machinist), 1414 15th
*†Great Western Machinery Co.
*†Griffin Wheel Co. (See Chicago, Ill.)
*Havens, Herbert, 1618 Wazee
*Hendrie & Bolthoff Mfg. & Supply Co. (Mining & Mill), 1621 17th
Hingley, J. A.
*†Iler Fdry. & Machine Co.
†Jackson-Richter Iron Works Co.
*Leavitt, W. S. (Tools, etc.)
*†McFarlane, Peter, & Sons Iron Works Co. (Mining & Milling Mchy., etc.)
*§McNamara, Jno. C. (Brass Fdry.) 1431
*†Maclear Mfg. & Supply Co. Blake
*Marcy, Julius
*†Mine & Smelter Supply Co. (Mining Machy. & Castings), 17th & Blake
†Mountain Iron Works Co.
*Nock & Garside (Elevators, etc.)
†Pioneer Iron & Wire Works Co.
*Plattner Implement Co. (Rakes, Harrows, etc.)
*†Queen City Foundry Co., 4th & Wazee
*Sachs-Lawlor Machine & Mfg. Co., 1543 Lorimer
*Scott Supply & Tool Co. (Machinists)
*Shaw, C. H. Pneumatic Tool Co. (Pneumatic Tools), Wazee cor 35th
*§Slack, Ben F., Brass Mfg. Co. (Brass, Copper, Gold, Nickel, Silver, etc.)
*Southard, A. M. & Son, 1932 Curtis
*†Stearns-Roger Mfg. Co. (Crushing Rolls, Machinery for Smelting, Sampling, Milling & Concentrating Ores, etc.), 1718 California. Works: Pueblo, Colo.
*Traylor, John A. Machinery Co.
*Truax Mfg. Co. (Steel Ore & Service Cars)
*Vulcan Iron Works Co., 1722 Wazee
*†Walker Mfg. Co., 2156 15th
§Western Brass Works Co.
†Western Iron Foundry Co.
DURANGO—*†Ball Foundry & Machine Works
*†§Vulcan Foundry Co.
FLORENCE—*†Florence Iron Works Co. (Gas Engines, etc.)
FORT COLLINS—*†Poudre Valley Foundry & Machine Co.
FRUITA—*Beard, J. G. M. (X-Ray Machines)
GRAND JUNCTION—†§Western Slope Brass & Iron Foundry
GREELEY—*Brown, Peter (Potato Harvesting & Sorting Machinery)
*Lester, W. E.
LEADVILLE—*†Engelbach Machine Mfg. Co.
*†McCarty & Moore

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LITTLETON—*†Leyner, J. Geo. Engineering Works Co. (Compressors, Rock Drills, Pneumatic Tools, etc.)
LONGMONT—*†Longmont Foundry Co.
MONTE VISTA—†Beesler & Elliott
PUEBLO—*†§Colorado Fuel & Iron Co. (See Denver, Col.
†Colorado Iron & Wire Works Co.
*Hochenauer, Joseph
*†Iron City Mfg. Co.
*Mead Hay Press Co. (Harrows, Cultivators, etc.)
*†§Ortner, Geo. J. (Brass Fdry., etc.)
*†§Pueblo Foundry & Mach. Co.
ROCKY FORD—*†§Goodner Bros.
*†Pueblo Foundry & Mach. Co.
TELLURIDE—*†Sackett, H. M.
TRINIDAD—*Hawkins & Barnett
*†Trinidad Fdry. & Machine Works
VICTOR—*†McCool, Robt.
WALSENBURG—*†Walsenburg Foundry & Mfg. Co.

CONNECTICUT.

ANSONIA—*§Ansonia Brass Fdry. Co.
*Ansonia Electrical Co. (Electrical Specialties)
*§Ansonia Mfg. Co. (Brass Goods)
*Cameron, H. P. Elec. Mfg. Co. (Electrical Specialties)
*§Cook, Henry C. Co. (Special Machinery & Brass Novelties)
*†Farrel Foundry & Machine Co. (Paper & Pulp Mill, Rolling Mill, Rubber, Stone Sawing, Veneer Cutting, Wire Insulating, Wire Straightening & Cutting, Machinery, etc.)
*§Excelsior Faucet Co.
§Gaylord, F. L. Co. (Light Castings)
*Otis, Fred W.
†§Phelps, H. D. (Brass Foundry)
BANTAM—*Bantam Anti-Friction Co. (Ball & Roller Bearing, Motors & Motor Vehicles, etc.)
BEACON FALLS—*§Bronson, Homer D. Co. (Brass Hinges & Electric Bronze Art Work)
BRANCHVILLE—*Gruman, Geo. B. (Ice Tools, etc.)
BRANFORD—*†Hammer & Co. (Malleable Iron Castings & Hdwe. Specialties, etc.)
*†Malleable Iron Fittings Co. (Malleable Iron Pipe Fittings & Semi-Steel & Steel Castings)
BRIDGEPORT — *Acme Shear Co. (Shears)
*Acme Oil Engine Co. (Oil Engines)
*Adams, A. L. (Corset Machinery)
*§American Graphophone Co.
*§American Novelty Co. (Hardware Specialties)
*American Tube & Stamping Co. (Drop Presses, etc.)
*†American & British Mfg. Co. (Corliss Engines, Driving Wheels, etc.) (See also Providence, R. I.)
*ARMSTRONG MFG. CO. (Pipe Cutting & Threading Machines, etc.) (See adv. index, end of book)
*†§Ashcroft Mfg. Co. (Steam Gauges, etc.)
*Atlas Shear Co. (Shears, etc.)
*Automatic Machine Co. (Automatic & Special Machy.)
*Beers, P. M. & Son (Needles, etc.)
*§Belknap Mfg. Co. (Brass Fdrs. & Brass Goods for Steam, Gas & Water)
*Bradley, H. C. (Wood Turning, Mach'y, etc.)
*§Bridgeport Brass Co. (Brass Tubing, Lamps, etc.)
*Bridgeport Chain Co. (Chains, etc.)
*§Bridgeport & De-Oxidized Bronze & Metal Co. (Deoxidized Bronze Ordnance, Comp. Castings, etc.)
*Bridgeport Forge Co. (Machine Jobbing)
*†Bridgeport Foundry & Machine Co.
*Bridgeport Gun Implement Co. (Gun Implements, etc.)
*Bridgeport Hardware Mfg. Corp'n (Hardware Specialties)
†Bridgeport Malleable Iron Co.
*Bridgeport Motor Co. (Gasoline Motors, etc.)
*Bridgeport Safety Emery Wheel Co. (Emery Wheel Machy.)
*Bryant Electric Co. (Electrical Specialties.)
*Bullard Machine Tool Co. (Machine Tools, etc.)
*§Burns & Bassick Co. (Hdw. Specialties & Brass & Bronze Castings, etc.)
*Challenge Cutlery Corp'n (Cutlery, etc.)
*Columbia Nut & Bolt Co. (Bolts, Nuts, etc.)
*Connecticut Clasp Co. (Clasps, etc.)
*Connecticut Tool Co. (Stocks & Dies)
†§Consolidated Safety Valve Co.
*Cornwall & Patterson Mfg. Co. (Piano Hdw., etc.)
*†Coulter & McKenzie Machine Co. (Rivet & Spring Machy., Presses, Punches, Shears, Drop Hammers, etc.)
*†§Crane Valve Co. (Brass & Iron Valves, Fittings, etc.)
*Curtis & Curtis Co. (Pipe Cutting & Threading Machines, Stocks & Dies, etc.)
§Donovan, P. J., Brass Foundry Co.
*Farist Steel Co. (Steel Car Springs, Railroad & Machy. Forgings)
*Fray, Jno. S. & Co. (Ratchet & Drill Braces & Tool Sets)
*Gaynor & Mitchell Mfg. Co. (Brass Novelties)
*Grant Mfg. & Machine Co. (Screw Slotting Machines & Tool Post Grinders.
*Hall, G. W. (Light Machy.) etc.)
*§Hamilton, Jno. (Est. of) (Brass Fdry. & Finisher, Plumbers' Brass Goods)
*Hatheway Mfg. Co. (Metal Goods & Dies)
*Hawthorne & Shelby Mfg. Co. (Talking Machine Supplies, etc.)
*Hitchcock Gas Engine Co. (Gas Engines, etc.)
*Hotchkiss, E. S. (Light Hardware, etc.)
*Hubbel, Harvey (Inc.) (Screw Slotting & Riveting Machines)
*Hurwood Mfg. Co. (Lanterns & Food Choppers)
*Ives Mfg. Corp. (Hardware Specialties, etc.)
*Kinsley Mfg. Co. (Steam Whistles, etc.)
*Knapp, Geo. S. (Hardware Specialties, Art Metal Goods, etc.)
*Liberty Cycle Co. (Bicycle Mfrs.)
*Lock Steel Belt Co.
†Manufacturers' Iron Foundry
§Monumental Bronze Co. (Bronze Monuments, etc.)
*Nilsen, A. H. Machine Co. (Special Automatic Machinery, etc.)
*Osborn, Geo. R. Co. (Metal Goods)
*†Pacific Iron Works (Inc.) (Steam Engines & Castings)
†Parsons, E. E. Co. (Grey Iron Castings, etc.)
†Pequonnock Foundry Co. (Grey Iron Castings)
*Perkins Electric Switch Mfg. Co. (Electrical Supplies)
*Reliable Machine Co.
*§Rowell, W. G. Co. (Brass Castings, Babbitt Metal, etc.)
*Royal Equipment Co. (Auto Brakes, Gasoline Engines, etc.)
*§Sanford, David C. Co.
*Smith & Egge Mfg. Co. (Hdw. Specialties, etc.)
*Somers, Jas. M. & Co. (Brass Rules)
*Special Machinery Co. (Automatic Machy., etc.)
*Sprague Meter Co. (Gas Meters, etc.)
*Spring Perch Co. (Springs, etc.)
*Springfield Mfg. Co. (Emery Wheel Machinery)
*†Standard Coupler Co. (Car Couplers & Steel Platforms)
*Standard Mfg. Co.
*Union Metallic Cartridge Co.
*Union Typewriter Co. (Typewriters)
*Walter, Edw. P. (Metal Plating & Shaping Machines, etc.)
*Weidlich Bros. Mfg. Co. (Metal Goods & Novelties
*Weld Mfg. & Supply Co. (Air Compressors, Automatic Machy.)
*Wheeler Engine Works (Tools, etc.)
*White Mfg. Co. (Carriage Lamps & Mountings, etc.)
*Yates & Underhill (Machinists)
BRISTOL—*Barnes, Wallace Co. (Steel Springs, etc.)
*§Bristol Brass Co. (Brass & Bronze Fdrs.)
*Bristol & Plainville Tramway Co.
†Clayton Bros. (Inc.) (Shears, Light Hdwe., etc.)
*Dunbar Bros. (Cock Springs, etc.)
*Horton, Everett (Clock Machinery & Dies)
*Horton Mfg. Co. (Steel Fish Rods, etc.)
*Ingraham, E. Co. (Clock Mfrs.)
*Ladd, W. C. (Clocks, Bells & Light Hdw.)
*§New Departure Mfg. Co. (Bell Founders & Mfrs.)
*Penfield Saw Works (Saws, etc.)
*Root, C. J. (Registering Machines, Wrought Brass Hinges, etc.)
*†Sessions Foundry Co. (Grey Iron Castings)
*Smith, Marshall I. (Dies, Punches & Tools)
*Snyder, L. H. & Co. (Floor & Ceiling Plates)
*Thompson, H. C. Clock Co. (Clock Movements)
†Turner Heater Co. (Hot Air Furnaces, etc.)
*Turner & Deegan (Bit Braces, etc.)
BROOKFIELD — *Lennox Shear Co. (Shears, etc.)
CENTERBROOK—*Connecticut Valley Mfg. Co. (Bits)
CHESTER—*Chester Mfg. Co. (Augers, Bits,
*Deuse, J. S. (Gimlets, etc.) etc.)
*Jennings, Russell, Mfg. Co. (Augers, Bits, etc.)
COLLINSVILLE—*Collins Co. (Plows, Tools, etc.)
COS COB—†Carr, H. J. & Son (Iron Castings, etc.
*Palmer Bros. (Gasoline Motors, etc.)
CROMWELL—*§Stevens, J. & E. Co. (Toys, Hardware, etc.)
*Warner, M. R. & Son (Hammers, etc.)
DANBURY—*Albert Machine Co.
*Boesch Mfg. Co. (Tools, etc.)
*Doran Bros. (Hat Machy.)
*Heim Machine Co. (Hatting Machy.)
§Henebry, Thos. F. (Brass Foundry)
*Morlock, Wm. (Machinist)
*New Machine Co. (Machinists)
*Rogers Telephone & Electric Co. (Electric Goods)
*Russel Electric Co. (Electrical Goods)
*†Turner Machine Co. (Hat Machy.)
DANIELSON—*Bradford, Thos. & Son.
DEEP RIVER — *Jennings Russell Mfg. Co. (Augers, Bits, etc.)
DERBY—†Automatic Electric Time Switch Co.
*†Birmingham Iron Foundry (Rubber Mill & Rolling Mill Machinery, Iron & Semi-Steel Castings, etc.)
*Dairy Machinery & Construction Co.
*†Graham Mfg. Co. (Hdw. & Locksmiths' Supplies)
*Housatonic Motor & Machine Co.
†§Kelly, F. Co.
*†Meyer, Fred'k (Iron & Brass Fdry.)
*O. K. Tool Holder Co. (Tool Holders & Lathe & Planer Tools, etc.), Shelton
*Shelton Co. (Tacks, Carriage Bolts, etc.)
*Star Pin Co. (Pins, etc.), Shelton
*U. S. A. Co. (Pins, Hooks & Eyes, etc.)
*United States Rapid Fire Gun & Power Co. (Engineers & Machinists, "Francke" Four Ported Steam Engines, Hydraulic Presses, Stone Working Machinery, etc.).
*†§Whitcomb Metallic Bedstead Co. (Metallic Bedsteads)
*†Whitlock Printing Press Mfg. Co. (Printing Presses)
*Williams Typewriter Co. (Typewriters)
EAST HAMPTON—*†§Bevin Bros. Mfg. Co. (Bell Fdrs. & Mfrs.)
*Brown, H. B. Co. (Bolt & Nut Machy.)
*§East Hampton Bell Co. (Bell Fdrs. & Mfrs.)
*§Gong Bell Mfg. Co. (Bell Fdrs. & Mfrs.)
*§Hill, N. N. Brass Co. (Bell Fdrs. & Bell Mfrs.)
*§Starr Bros. Bell Co. (Bells, Gongs, etc.)
ESSEX—*Hayden, L. S.
FAIRFIELD—§Fairfield Aluminum Foundry Corp. (Aluminum Castings)
FARMINGTON—*Wallace, N. (Lightning Rods)
FORESTVILLE—*Sessions Clock Co. (Clocks, etc.)
*§Young Bros. (Brass Novelties, etc.)
GEORGETOWN—*†Gilbert & Bennett Mfg. Co. (Wire Goods, etc.)
GUILFORD—*†§Spencer's, I. S. Sons (Grey Iron Castings, etc.)
HAMDEN—*Henry, John T. Mfg. Co. (Garden Implements, etc.)
HARTFORD—*†Billings & Spencer Co. (Machine Tools, etc.)
§Blake, Edwin J. (Brass, Phosphor & Manganese Bronze Castings, etc.)
*†Capewell Horse Nail Co. (Horse Nails,
†Capitol Foundry Co. etc.)
*Clark, E. R. (Air Motors, etc.)
Clark, Edred W. (Rubber Machy.)
*†Colts Patent Fire-Arms Mfg. Co.
*Cook, Asa S. Co. (Wood Screw Machy., Vises, etc.)
*Cooley & Trevor Mfg. Co. (Envelope
§Craig, Jno. M., 71 Arch Machy., etc.)
*Cushman Chuck Co. (Lathe & Drill Chucks, etc.), 189 Allyn
*Davis, I. B. & Son (Steam Heaters, Pumps, etc.)
*Evarts Machine Co. (Gas & Gasoline Engines, etc.)
*Gray & Prior Machine Co. (Universal Joints, etc.)
*Hart Mfg. Co. (Electric Switches, etc.)
*Hart & Hegeman Mfg. Co. (Electric Switches, etc.)

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*†Hartford Foundry Corporation (Grey Iron Castings, Catch Basins, etc)
*Hartford Machine Screw Co. (Automatic Screw Machinery, etc.), 470 Capitol
*Henry & Wright Mfg. Co. (Machine Tools)
*§Howard, Jas. L. & Co. (Brass Founders & Finishers, Plating, Polishing, Lacquered, etc.), 438 Asylum
*Jacobs Mfg. Co. (Drill Chucks, etc.)
*†Johns-Pratt Co. (Electrical Goods, etc.)
*Johnson Carlyle Machine Co. (Friction Clutches, etc.)
†Laraay, P. (Gray Iron Castings), 114 Grove
*Law, F. A. Machine Co. (Marine, Stationary & Automobile Engines)
*Lee, H. K. (General Machine Work), 223 State
*Merrow Machine Co. (Textile Machy)
*Mutual Machine Co., 25 Wells
*National Machine Co. (Machine Tools & Printing Presses)
*Organ Power Corporation (Organ Motors, etc.)
*Paradox Gas Engine Co. (Gas Engines, etc.)
*Phoenix Mfg. Co. (Centering Machines)
*Pickering, W. H. & Co. (Eng. & Machinists), 110 Commerce
*Pope Mfg. Co. (Bicycles, Motor Bicycles' Automobiles)
*Post & Lester Co. (Auto Supplies)
*†§Pratt & Cady Co. (Brass & Grey Iron Castings, Valves, etc.)
*†§Pratt & Whitney Co. (Machine Tools & Small Tools, etc).
*Quitt, A. D. (Machine Tools, etc.)
*Rhodes, L. E.
*Sigourney Tool Co. (Drill Presses, etc.)
*Smyth Mfg. Co. (Bookbinders' Machy.)
*Stalker Mfg. Co. (Bits, Hobbies, etc.)
†§Standard Foundry Co.
*Sterling Blower & Pipe Mfg. Co. (Blowers, Fans, etc.), 60 Huyshope av
*Taylor Mfg. Co. (Lathe & Planer Tools)
†*Taylor & Fenn Co. (Machine Tools, Drills, etc.), 54 Arch
*Tucker, W. W. & C. F. (Oil Hole Covers & Cups, etc.), 302 Asylum
*Vanderbeck, Abraham (Machine Tools, etc.)
*†Veeder Mfg. Co. (Cyclometers, Counters & Castings)
*†§Whitlock Coil Pipe Co. (Pipe Benders, Brass & Sheet Metal Work & Automobile Cooler)
*Whitney Mfg. Co. (Machine Tools, etc.)
*Winkley Co. (Oil Cups, etc.)

HIGGANUM—*†Cutaway Harrow Co. (Harrows, etc.)
*Scoville, D. & H. (Planters, Hoes, etc.)

HIGHLAND PARK—*Case, A. W. & Son
*Case Machine Co. (Propeller Wheels, etc.)

HOTCHKISSVILLE—*American Shear & Knife Co. (Pocket Cutlery, Shears, etc.)

IVORYTOWN—*Behrens & Bushnell (Machinists)

LAKEVILLE—*Holley Mfg. Co. (Cutlery, etc.)

LIME ROCK—*†Barnum-Richardson Co. (Car Wheels, Castings, etc.)

MANCHESTER—*Lydall, H. & Foulds (Machine Needles, etc.)
*Norton Elec. Instrument Co. (Elec. Instruments, etc.)

MARION—*Frost, L. D. (Est. of) (Bolts, etc.)

MERIDEN—*†Bradley & Hubbard Mfg. Co. (Gas Fixtures, Bronze Goods, etc.)
*Browne & Dowd Mfg. Co. (Can Openers, etc.)
*Dayton, Chas. L.
*Engineering Specialty Co. (Electrical Goods, Motors, etc.)
*Foster, Geo. A. (Ice Machines)
*§Foster, Merriam & Co. (Cabinet Hardware, Brass Fdrs., etc.)
*Kelsey Press Co. (Printing Presses, etc.)
*Manning, Bowman & Co. (Bottlers' Machinery, etc.)
*†Meriden Fire Arms Co. (Fire Arms, etc.)
*Meriden Machine Tool Co. (Lathes & Screw Machines)
*§Miller, Edw. & Co. (Brass Fdrs., Hardware, Lamps, etc.)
*Parker Bros. (Guns, etc.)
*†Parker, Chas. Co. (Vises, Coffee Mills, *Parker Clock Co. etc.)
*†§Schenck, M. B. Co. (Casters & Iron & Brass Fdrs.)
*§Wallace, F. J. (Saddlery Hdwe., etc.)
*Wusterbarth Bros.

MIANUS—*Mianus Motor Works.

MIDDLEFIELD—*†Lyman Gun Sight Corporation (Gun Sights, etc.)

MIDDLETOWN—*†§Chapman, W. H. Co. (Saddlery Hdw.)
*†Douglas, W. & B. (Pumps, Garden Engines, etc.)
*†Hubbard Motor Co. (Gasoline Motors)
*§Kirby Mfg. Co. (Bells, Toys, etc.)
*New England Enameling Co.
*†§Wilcox, Crittenden & Co. (Marine & Awning Hdw. & Grey & Malleable Iron Castings)

MILFORD—*§Rostrand Mfg. Corp'n (Racks, Brass Goods, etc.)

MILLDALE—*†Clark Bros. Bolt Co. (Bolts, Nuts, etc.)
*Ellis Mfg. Co. (Machinists & Small Hardware)

MOODUS—*Brockway & Meckenstrum Machine Co. (Cotton Machy.)

MOUNT CARMEL—*Mount Carmel Bolt Co. (Small Special Machy.)
*†§Woodruff, Walter W. & Sons Co. (Brass Fdrs., etc.

MYSTIC—*†Lathrop, J. W. Co. (Gas Motors)
*†Standard Machinery Co. (Book Binders' Machy.)

NAUGATUCK—*†Naugatuck Malleable Iron Co.
*†Russell, J. M., Mfg. Co. (Chains, Brass & Bronze Castings, etc.)

NEW BRITAIN—*†American Hardware Corporation Hardware Mfrs.)
*†Beaton & Bradley Mfg. Co. (Ceiling Plates, Plumbers' Supplies, etc.)
*Brady, Thos. H. (Electric Ry. Supplies, etc.)
*Corbin Bros. Co. (Lock Mfrs. etc.)
*†Corbin Cabinet Lock Co. (Locks, etc.)
*†Corbin Screw Corporation (Screws, Bolts, etc.)
*†§Corbin, P. & F. (Builders' Hdw., etc.)
§Flannery, Patrick J.
*HART & COOLEY CO. (Hot Air Registers, etc.) (See adv. index, end of book)
*†§Humason & Beckley Mfg. Co. (Brass & Iron Fdrs. & Hardware)
*†Judd, R. D. (Builders' & Saddlery Hardware)
§Kinne, W. A. (Brass Fdry.)
§†*Landers, Frary & Clark (Brass & Iron Fdrs., Hardware, Cutlery, etc.)
*†Malleable Iron Works (Malleable & Grey Iron Castings)
*National Spring Bed Co. (Spring Beds)
*New Britain Machine Co. (Engines & Wood Working Machinery)
*†§North & Judd Mfg. Co. (Saddlery, Hardware Fdrs., etc.)
*North & Pfeiffer Mfg. Co. (Motors, etc.)
*†§Russell & Erwin Mfg. Co. (Builders' Hdw., etc.)
*Skinner Chuck Co. (Chucks, etc.)
*Stanley Rule & Level Co. (Planes, Try Squares, Gauges, etc.)
*†§STANLEY WORKS (Grey Iron & Air Furnace Castings). (See adv. index, end of book)
*†Taplin Mfg. Co. (Hdw. Specialties, etc.)
*Traut & Hine Mfg. Co. (Patent Novelties)
*†Union Mfg. Co. (Drill & Lathe Chucks, Light Grey Iron Castings, etc.)
*†Vulcan Iron Works (Malleable & Grey Iron Castings, etc.)

NEW HAVEN—*Acme Cash Railway Co. (Cash Carriers)
†Adlerhurst Iron Co. (Arch'l Iron Work)
*Atlas Mfg. Co. (Special Hardware)
*†Baldwin & Rowland Switch & Signal Co.
*Barnes Tool Co. (Pipe Cutters, Hand Sawing Machines, Wrenches & Tools, etc.), 958 Grand av
†Barnum, S. H. (Iron Fdrs., Gray Iron Castings, etc.), 20 Whitney av
*Belden Machine Co. (Dies & Models, Tools & Hdw. Specialties, etc.)
*Bigelow Co. ("Special Heavy Machinery, etc.")
*Bishop, Walter S. (Electro Plating Machinery, etc.)
*Brooks, Chas. J. (Wire Covering & Special Mach'y), 22 Maple
*Brown, R. H. & Co. (Chucks, Machy. & Hdw. Specialties)
*Burgess, E. A. (Est. of) (Special Machy., Dies, Box Nailing & Trimming Machy., etc.)
*Colburn, Albert L. (Drilling & Grinding Machy., etc.)
*Cowles, C., & Co. (Carriage & Auto Hdwe., etc.)
*†Dreisbach, C. A., Fdry. & Machine Co. (Iron Castings, etc.), 19 Poplar
*†Eastern Machinery Co. (Brick Machy., Freight Elevators, Friction Clutches, etc.)
*Elm City Engineering Co. (Electric Metal Separators & Special Elec. Machinery), 61 Orange
§Ely, C. Upham, 573 Dixwell av
*English & Merrick Co. (Carriage & Auto Hdw., etc.)
§English & Mersick Lamp & Fdry. Co. (Coach Lamps & Trimmings, etc.)
*†§Fitch, W. & E. T. Co. (Sash, Locks, Malleable Iron Castings & Carriage Hdw., etc.)
*†Fosket & Bishop Co. (Steam Traps & Steam Specialties, etc.)
*Foster Motor Co. (Yacht Propellers, etc.)
*†Fuller Mfg. Co. (Printers & Bookbinders' Machy., etc.)
*Geometric Tool Co. (Special Machy., Screw Cutting, Die Heads, Hollow Milling Tools, etc.)
§Graham, Jas. & Co. (Brass Fdrs.), 293 Wooster
*Greist Mfg. Co. (Sewing Machine Attachments, etc.), Westville
*Griswold, Geo. M., Machine Co. (Paper Box Machy., Dies, Tools, etc.)
*Hemming Bros. Co. (Polishing & Grinding Machy., 100 East
†§Hendryx, Andrew B. Co. (Brass & Bronze Fdrs.), 80 Audubon
*Henn, A. S. & Co. (Punches, Dies, etc.),
*Herrick & Cowell (Paper Box, Hardware, Electrotype & Special Machy.), 39 Artizan
*Heggson & Pettis Mfg. Co. (Chucks, Dies, Tools & Special Machy., etc.)
*Ideal Mfg. Co. (Barlow, John H., Prop.) (Gun Loading Pressers, etc.), 187 St. John
*†§Ives, Hobart B. Co. (Brass & Bronze Fdrs. & Bldrs.' Hdw. Specialties)
*†Kilborn & Bishop Co.
*†McLagon Foundry Co. (Machine Molded Furnace & Machy. Castings, Pulleys, etc.)
§Magnus Metal Co. (Babbitt & Anti-Friction Metals, etc.), 248 Cedar
*†Mallory-Wheeler Co. (Padlocks Mfrs.)
*†Marlin Fire Arms Co. (Rifles, Guns, etc.)
*Miner & Peck Mfg. Co. (Drop Presses & Drop Hammers, etc.), 419 Chapel
*New Haven Clock Co. (Clock Movements, etc.), 133 Hamilton
†New Haven Foundry Co. (Grey Iron Castings)
*New Haven Machine Screw Co. (Screws, etc.)
*†New Haven Mfg. Co. (Machine Tools, etc.), 50 Whitney av
*Norman Printers' Supply Co. (Printers' Machy., etc.)
*†§North, O. B. & Co. (Saddlery & Carriage Hardware & Malleable Iron Fdrs.)
*Ochsner, A. & Sons Co. (Carriage Locks & Specialties), 1060 State
*†§Peck Bros. & Co. (Brass Fdrs. & Plumbers' Brass Goods & Supplies)
*Peck, John L., & Co
*Pfleghar, F. P., Hardware Specialty Co. (Light Hdw., etc.)
*Prentice, Geo. G., & Co. (Special Machy.)
*†Recording Fare Register Co. (Ry. Specialties, etc.)
*†§Reynolds, Jas. Mfg. Co. (Sand Molding Machines & Brass Fdrs.), 99 Mill River
*Reynolds & Co. (Screws, Bolts & Nuts)
*Rowland Machine Co. (Steam Engines)
*†§Sargent & Co. (Bldrs' Hdw.)
*Schollhorn, Wm. Co. (Pliers, Nippers, Punches & Hdw. Specialties), Wooster & Wallace
*Scranton & Co. (Machy. & Hardware)
*†Seward, M. & Son Co. Carriage Hardware, etc.)
*SHUSTER, F. B. CO. (Machine Tools, etc.), 133 Mill River. (See adv. index, end of book)
*Sigel, Edwd, Hooker Bldg.
*Smith, Andrew H. & Co. (Needles, etc.)
*Smith, W. J., & Co. (Reamers, Special Machy., Tools, etc.)
*Snow & Petrelli Mfg. Co. (Yacht Cannon, Marine Reversing Gears, etc.)
*Thompson, Henry G. & Son Co. (Hack Saws, etc.), 6 Elm
*Twiss, Nelson W. (Steam Engines, etc.)
*†Warner, G. F. Mfg. Co. (Gray Iron Castings, etc.), James & East
*Winchester Repeating Arms Co. (Rifles, Guns, etc.), 195 Winchester av
*†Yale Safe & Iron Co. (Iron Fdrs. & Bldrs.' Iron Work), West Haven

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NEW LONDON—*Babcock Printing Press Mfg. Co. (Printing Presses, etc.)
*†Brown Cotton Gin Co. (Cotton Gins, etc.)
*Forbes, W. D., Co. (Marine Steering Gears, etc.)
*†Hopson & Chapin Mfg. Co. (Heating Apparatus, Grey Iron Castings, etc.)
*New London Vise Wks. (Vises, etc.)
*†§New London Marine Iron Works (Fdrs., Machinists, Marine Railway)
*New London Motor Co. (Motors, etc.)
Thames Towboat Co.
*†Whiton, D. E., Machine Co. (Machine Tools, etc. (Lathes & Drill Chucks)
NEW MILFORD—*Arcade Machine Works
*†§Northrop, J. A.
NORTH WINDHAM—*Hartson, L. M., Co.
NORWALK—*†Arnold Co. (Textile Machy.)
*†Meeker's Union Foundry
*§Norwalk Brass Co. (Brass, Aluminum & Bronze Castings, Rough & Finished)
*†Postal Typewriter Co. (Typewriters)
NORWICH—*Barber, M. A. (Cork Cutting)
*§Bard Union Co. (Unions, etc.)
*Chelsea File Works (Files)
*Crescent Fire Arms Co. (Shot Guns, etc.)
*Davenport, W. H. Fire Arms Co. (Fire Arms)
*Gould, Augustus, Industrial Bldg.
*Hopkins & Allen Arms Co. (Fire Arms)
*Lester & Wasley (Envelope Machy.)
*†McCrum-Howell Co. (Radiators & Heating Aparatus, etc.), Main Office, New York
§Pequot Brass Foundry Co.
*†Tobin Arms Mfg. Co. (Fire Arms, etc.)
*§Tracy, C. Oscar (Brass Fdr.)
*Uncas Specialty Co. (Auto Parts, etc.)
*†Vaughn Foundry Co. (Gray Iron Castings)
OAKVILLE—*†Baird Machine Co. (Safety, Toilet & Badge Pin Machy.)
*†Oakville Co., (Wire & Metal Co.)
*Smith, Seymour & Son (Hardware)
PLAINVILLE—§Carter, E. T. (Brass Foundry)
§Carter, L. H. (Brass Fdry.)
*§Clark, A. N. & Son (Bicycle Sundries, Brass Castings to Order)
*Clark Caster Co. (Casters, etc.)
§Elm City Brass & Rivet Co. (Brass Fire Place Furnishings, Brass Castings, etc.)
*Lamb, B. & Co. (Machy.)
*§Osborne & Stephenson Mfg. Co. (Brass Goods, etc.)
*Trumbull Electric Mfg. Co. (Electric Specialties)
PLANTSVILLE—*Atwater Mfg. Co. (Carriage Hdw., etc.)
*†Blakeslee Forging Co. (Carriage Hdw., Bicycle Supplies, etc.)
*Thompson Drop Forging Co.
PORTLAND—*Anderson Coupling Co.
*†§Pickering Governor Co. (Governors)
PUTNAM—*Johnson, E. E. (Lathes, etc.)
*†Putnam Fdry & Mach. Corp. (Machine Tools)
ROCK FALL—*Smith, O. A. (Fire Arms, etc.)
ROCKVILLE—*†Muriess, H. B.
ROCKY HILL—*†Champion Mfg. Co. (Grey Iron Castings, etc.)
ROXBURY—*†Bronson, W. & H.
SAUGATUCK—*†Computing Scale Co. (Scales) etc.)
SEYMOUR—*†Church, S. B. (Windmills, etc.)
*†Humphreysville Mfg. Co. (Boring Instruments & Edge Tools)
†Klatt, E. A. (Iron Fdry.)
*§Matthews, H. A. Mfg. Co. (Bicycle Parts & Stove Trimmings)
*Smith, Jas. M.
*Swan, Jas. Co. (Augers, Bits, Drawing Knives, etc.)
SHELTON—(See Derby)
SOUTH COVENTRY—*Kingsbury & Davis Machine Co. (Set Machines, etc.)
SOUTHINGTON—*†§Peck, Stow & Wilcox Co. (Hdwe., Tools, etc.)
SOUTH NORWALK—§Artistic Bronze Co. (Bronze Specialties)
*Automatic Tool Co. (Tools)
*†Colonial Fdry. & Machinery Co.
*Le Count, Wm. G. Lathe Dogs, etc.)
*†Lockwood Mfg. Co. (Hardware, Locks,
*Miller, Julius W. (Machinist) etc.)
*†NORWALK IRON WORKS CO. (Air Compressors, etc.). (See adv. index end of book)
*†Norwalk Lock Co. (Hardware, etc.)
*Robertson, Edwin B.
*Specialty Mfg. Co.
*†§Wheeler Bros.
SOUTHPORT—*Jelliff, C. O. Mfg. Corp'n (Harrows, etc.)
SOUTH WINDHAM—*†§Smith & Winchester Mfg. Co. (Paper Bag Machinery)
STAMFORD—*Blickensderfer Mfg. Co. (Typewriters, etc.)
§Brown, Christian (Brass Foundry)
†Davenport-Treacy Co. (Piano Plates)
*Lozier Motor Co. (Motors, etc.)
*Muench, Geo.
*Oven Equipment & Mfg. Co.
†Stamford Foundry Co. (Stoves, etc.)
*†Stamford Gas Stove Co. (Stoves, Heaters, etc.)
*†§Stamford Iron & Brass Foundry (Building & Mill Construction, Castings, etc.)
*Stamford Motor Co. (Gasoline Engines)
*†§Yale & Towne Mfg. Co. (See New York City)
STONINGTON—*†Atwood-Morrison Co. (Silk & Spool Cotton Machy.)
†Miller's A. B. Sons.
STONY CREEK—*Beach, O. B. (Gas Engines)
TERRYVILLE—*†§Eagle Lock Co. (Locks, etc.)
†Terry, Andrew Co. (Malleable Iron Fdrs.)
THAMESVILLE—(See Norwich.)
THOMASTON—*Thomas, Seth Clock Co. (Clocks, etc.)
THOMPSONVILLE—*†Bushnell, G. H. Press Co. (Oil Mill Machinery & Presses, etc.)
*§Westfield Plate Co. (Coffin Trimmings, etc.)
TOLLAND—*Clough, R. M. (Machine Tools)
TORRINGTON—*Excelsior Needle Co. (Wire Rod & Tube Pointing Machy., etc.)
*†Hendey Machine Co. (Machine Tools)
*†Hotchkiss Foundry Co.
*Perkins, E. A. Electric Co.
*Progressive Mfg. Co. (Screws, Gas Engines, etc.)
*Torrington Mfg. Co. (Rolling Mill Machy., etc.)
*†TURNER & SEYMOUR MFG. CO. (Hardware Mfrs., Castings, etc.) (See adv. index, end of book)
UNIONVILLE—*Mosher & Hogarty (Harness Snaps & Saddlery Hardware)
*Union Nut Bolt Co. (Bolts, Nuts, etc.)
*Upson Nut Co.
WALLINGFORD—*Ives, W. A. Mfg. Co. (Bits Augers, etc.)
*†Judd, H. L. Co. (Small Hardware)
WATERBURY—§American Brass Co.
*§American Pin Co. (Brass & Bronze Castings, Pins, etc.)
*§American Ring Co. (Rings, etc.)
*Atlas Machine Co.
§Benedict & Burnham Mfg. Co. (Brass Mfrs.)
*†Blake & Johnson Co. (Power & Foot Presses, Rivet, Bicycle & Wire Forming Machinery, etc.)
*§Bristol Co. (Recording Instruments, etc.)
§Chase Rolling Mill Co. (Brass Mfrs.)
*Draher, Jno. (Power Presses, Rivet, Block, Screw & Button Machy Dies, etc.)
*Henderson Bros. (Machinists & Tumbling Barrels)
*Ludington, F. J. (Cigarette & Tobacco Machinery)
*†§Manufacturers Foundry Co. (Grey Iron & Brass Castings, Water Jacketed Cylinders, etc.)
*Manville Bros. Co. (Power Presses, Watch Machy & Special Automatic Machy)
*Manville, E. J. Machine Co. (Power Presses, Wire Working, Rivet or Heading Machinery)
*§Matthews & Willard Mfg. Co. (See Scoville Mfg. Co.)
*Noera Mfg. Co. (H'dware Specialties)
§Novelty Mfg. Co. (Brass Goods)
*§Platt Bros. & Co. (Buttons, etc.)
*Plume & Atwood Mfg. Co. (Brass Goods, etc.)
§Randolph-Clowes Co. (Brass Mfrs.)
*Risdon Tool Works (Inc.) (Dies, Light Machy. Tools, etc.)
*Robinson Tool Works (Bench Filing Machines, etc.)
*†§Scoville Mfg. Co. (Grey Iron & Semi-Steel Castings, etc.)
*§Smith & Griggs Mfg. Co. (Brass & Metal Goods)
*§Steele & Johnson Mfg. Co. (Brass Castings, etc.)
§Waterbury Brass Co.
§Waterbury Brass Goods Corp'n (Brass Specialties)
*†Waterbury Castings Co.
*§Waterbury Clock Co. (Clock Mfrs.)
*†Waterbury Farrel Foundry & Machine Co. (Drop, Power, Hydraulic & Foot Presses, Brass & Copper Rolling Mill Machy, etc.)
†Waterbury Foundry Co. (Grey Iron Castings)
*†Waterbury Mfg. Co. (Brass Goods)
*Waterbury Machine Co. (Wire Drawing Machin'y, Presses, Dies & Special Machin'y)
*Waterbury Tool Co. (Small Tools)
*Waterbury Wire Die Co. (Dies, etc.)
WATERVILLE — *§American Pin Co. (See Waterbury)
*§Berbecker & Rowland Mfg. Co. (Brass Specialties, etc.)
*†Rowbottom Machine Co. (Special Automatic Machy of every description, Presses, Grinders, Lathes, Machines, etc.)
WEST HAVEN—*Yale Safe & Iron Co.
WEST MYSTIC—*Holmes Motor Co. (Gasoline Engines)
WESTON—†Wheeler, Henry B. (Iron Fdry.)
WESTPORT—*Bradley's, G. W. Sons (Axes & Edge Tools)
WEST STAFFORD—*Bradway, C. P.
WILLIMANTIC—*Asher Mangle Co. (Mangles, etc.)
*†Vanderman Mfg. Co. (Grey Iron Castings, etc.)
*†Willimantic Machine Co. (Silk & Thread Machy, etc.)
WINDSOR—*Eddy, A. H.
WINDSOR LOCKS—*Clark, Geo. P. Co. (Hand Trucks, Casters, etc.)
*†Horton, E. & Son Co. (Lathe Chucks, etc.)
*Windsor Locks Machine Co. (Paper & Pulp Mill Machy.)
WINSTED—*Carter & Hakes Machine Co. (Machine Tools)
*Gilbert, Wm. L. Clock Co. (Clocks, etc.)
*Goodwin & Kintz Co.
*†§Moore, Franklin Co. (Hoists, Cranes, Brass & Light Grey Iron Castings)
*Winsted Edge Tool Works (Edge Tools, etc.)
*Winsted Mfg. Co. (Scythes)
YALESVILLE—†Parker, Charles Co.
*Yale, C. L., Mfg. Co. (Spoons & Edge Tools)

DELAWARE.

DOVER—*Forbes & Forbes (Machinists)
*†§Jones, E. L. & Co. (Machy.)
EDGE MOOR—*†Edge Moor Iron Co. (Boilers, etc.)
HOCKESSIN—*Williamson, Thomas
LAUREL—*Adams & Oldfield
MILFORD—*†Matthews, Isabella
NEW CASTLE—*†Baldt Steel Co. (Steel Castings, etc.)
†Brylgon Steel Castings Co. (Steel Castings, Crankshafts, etc.)
*†Tropenas Steel Co. (Steel Castings)
SMYRNA—*Taylor, George W.
WILMINGTON — *†American Car & Foundry Co. (See St. Louis, Mo.)
*American Machine Co. (Hot Air Pumping Engines, etc.)
*Baker, G. W. Machine Co. (Leather Working Machinery)
*†Betts Machine Co. (Machine Tools, etc.)
*†Crescent Foundry Co. (Cast Iron Pipe)
†Davis, L. D. (Iron Railings, etc.)
†Delaware Foundry Co. (Grey Iron Castings, etc.)
*Delaware Machine Works (Automobiles & Gasoline Engines)
*†§Delaware Marine Supply Mfg. Co.
*†Diamond State Steel Co.
*Edge Moor Iron Co.
*Garrett, Miller & Co. (Electric Fixtures, etc.)
*†Harlan & Hollingsworth Corp'n (Steel Ships, Marine Engines, Car Buildings, etc.)
*Hastings, W. C. (Repairs, etc.)
*Henderer's, A. L. Sons
*Hickman, Franklin B.
*†Hilles & Jones Co. (Machine Tools, etc.)
*Layman, A. C. (Leather Working Machinery)
*†Lobdell Car Wheel Co. (Car Wheels & Chilled Rolls, etc.)
*Modern Machinery Co. (Leather Machinery, etc.)
*National Machine Co. (Fibre & Special Machinery)
*†§Poole, J. Morton & Co. (Paper Mill Machy. & Castings, etc.)
*†§Pusey & Jones Co. (Iron & Brass Fdrs., Engines, Paper Mill Machy, Steel Steamboats, etc.)
*†§Remington Machine Co. (Brass Fdrs. & Ice Machines)
*†Reidel & Hastings Co.
*SHAW, BENJ. F. CO. (Iron and Steel Plate Work & High Pressure Piping) (See adv. index, end of book)
*Slocomb, F. F. & Co. (Leather Working Machy & Pneumatic Tools, etc.)
*§Speakman Supply & Pipe Co. (Brass Fdrs. & Plumbers Supplies)

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*Trump Bros. Machine Co. (Textile Machinery, etc.)
*Walker & Elliott (Phosphate Mill & Machinists)
*†Wilmington Brass Co. (Brass Founders & Finishers)
†Wilmington Foundry Co. (Castings, etc.)
*†Wilmington Malleable Iron Co.

DISTRICT OF COLUMBIA.

TWINING—*†§Bealor & Schmid.
WASHINGTON—*Carl, Frederick (Insts. & Model Maker), 631 G, N. W.
*Catlin, E. H. & Co., 309 18th, N W
*†Cragg, H. C. Mfg. Co., 228 K, S W
*Doremus Machine Co. (Machinists), 800 18th, N W
†§Douglas, W. H., 1210 E., N. W.
*Farrow Arms Co., 210 2d, N W
§Firth-Sterling Steel Co. (Ordnance Works, Giesborg Point)
*Forsberg, Gustave W. (Machinist), 526 18th, N W
†Gichner, Fred S. (Iron Fdry), 1214 D, N W
*†Gray, E. N. & Co. (Iron Fdrs. & Machinists), 316 Main av, S W
*Hurley, Jno. E. (Machinist), 1219 Ohio av, N W
†Jorss, A. Fred (Iron Fdry & Builders' Iron Work), 315 18th, N W
*§National Electric Supply Co., 1330 N. Y. av., N. W.
†Pruett, Jno. M. (Iron Fdry), 3105 K, N W
*†Schneider's, C. A. Sons (Fdrs. & Machinists), 212 12th, N W
§†Somerville, Thos., Co. (Plumbers' Supplies, etc.), 316 18th, N. W.
*†Springman, J. T., Sons, 904 7th, S W
*†White, Chas. & Co., 418 O, S W
*†White, Fred J., 462 Main av., S W

FLORIDA.

APALACHICOLA—†Apalachicola Iron Works Co.
APOPKA—†Florida Iron & Wood Works
ARCHER—*†Maddox Foundry & Machine Works
EUSTIS—*Miller, W. H.
GAINESVILLE—*†Gainesville Foundry & Machine Works
JACKSONVILLE—*†Florida Machine Works.
†Jacksonville Iron Works
*†Merrill-Stevens Co.
*†Murphy, Timothy, Iron Works
LAKE CITY—*†Johnson, Lott W.
LIVE OAK—*†Robbins & McGehee.
MIAMI—*†§Lyne, C. H.
OCALA—*Ocala Gas Engine Works
*†Ocala Iron Works (Inc.)
ORLANDO—*†South Florida Fdry. & Mach.
PALATKA—*†Hanley, R. H. Works
*†§Stanton Foundry & Machinery Co.
PENSACOLA—*†§Gulf Machine Works
*Pensacola Iron Works & Supply Co.
ST. PETERSBURG—*Ramm, F. W. & Sons
TALLAHASSEE—*†Tallahassee Iron Works
TAMPA—*Gulf Machine & Auto Works.
*†Tampa Foundry & Machine Co.
*†Tampa Steam Ways Co. (Ship Builders)
WEST PALM BEACH—*Fowler Bros.

GEORGIA.

ALBANY—*†Albany Foundry & Machine Works
*Southern Mfg. & Supply Co.
ASHBURN—*Josella Agricultural Co. (Agricultural Implements)
ATHENS—*†Athens Foundry & Machine Works
*Umbach, F. G. (Harrows, etc.)
ATLANTA—*†Atlanta Agricultural Works, 1200 Marietta
*†Atlanta Car Wheel & Mfg. Co. (Car Wheels, etc.). Equitable Bldg.
*†Atlanta Machine Works (Marble & Gold Mining Machy., Engines Castings, etc.)
*†Atlanta Stove Works (Stoves), Irwin & Krog
*†§Atlanta Utility Works (Oil Mill Machy., etc.)
*†Continental Gin Co. (See Birmingham, Ala.)
†Crown Mfg. Co. (Iron Beds, etc.)
*†§Fulton Fdry. & Machine Works (Castings, Conveyors, Fertilizer Machinery, etc.)
*†General Pipe & Foundry Co.
*†§Georgia Car Co.
*†§Hancock-Holmes Fdry. & Machine Co. (Tools)
*Houchin Machine Works
*Pearl Laundry Machinery Co.
*†Pratt Engineering & Machine Co. (Chemical Machinery, etc.)
*Riddell Bros.
*Schroeder, J. H. & Bro.
*§Southern Brass Works
*Southern Laundry Machinery Co.
*†§Spalding-May Fdry. & Machine Co.
*†Van Winkle, E., Gin & Machine Works (Cotton Seed Oil, etc.)
*†Vulcan Fdry. & Iron Works, 515 Marietta
*§Walker Brass Foundry & Mach. Works
*†§Withers Foundry & Machine Works (Iron & Brass Fdrs.), Empire bldg
AUGUSTA—*†Georgia Iron Works (Saw Mill Machinery, etc.)
*†Lombard Iron Works & Supply Co. (Engines & Saw Mill Machy., etc.)
BAINBRIDGE—*†§Sutherland, D. T.
BREMEN—*†§Bremen Machine Works
BRUNSWICK—*†Bay Iron Works
*†Parker-Hensel Engineering Co.
BUFORD—*Lowe, T. F.
CARTERSVILLE—*†Withers Foundry & Machine Co.
CEDARTOWN—*†§Alabama & Georgia Iron Co.
COLUMBUS—*†Columbus Iron Works Co. (Ice & Refrigerating Machy., etc.)
*Dixie Force Pump Co. (Force Pumps, etc.)
*†Golden Foundry & Machine Co. (Power Transmitting, etc.)
*†Lummus, F. H. Sons Co. (Cotton Gins, etc.)
*†Pekor Iron Works (Inc.)
*†Southern Plow Co. (Cultivators, Plows, etc.)
†§Standard School Desk Mfg. Co.
CORDELE—*†§Tomlin-Harris Machine Co. (Iron & Brass Castings, Presses, etc.)
COVINGTON—*Turner, W. G.
DALTON—*†Dalton Fdry. & Machine Works
*Finley & Son
*Manly Machine Co.
*†Nancy Hanks Hay Press & Foundry Co. (Hay Presses, Pea Threshers, etc.)
*Sanders Mfg. Co. (Pea Hullers, etc.)
DEMOREST—*†Demorest Foundry & Machine
DICKEY—*Parkins Machine Works Co.
DOUGLAS—*§Douglas Foundry & Machine Works
EAST POINT—*†Atlanta Utility Works (Hay Presses, Cotton Oil Machy., etc.)
*Southern Saw Works
FITZGERALD—*†§Atlanta, Birmingham & *Burkhart, H. A. Atlantic Ry. Co.
*†§Fitzgerald Iron Works
FORT VALLEY—*Georgia Agricultural Works (Cotton Gin Machinery)
GAINESVILLE—*†Gainesville Iron Works
GRIFFIN—†Gresham Mfg. Co.
HAWKINSVILLE—*Pate Bros. & Co.
HYDE—*Ware & Richardson (Harrows, etc.)
LUMBER CITY—*Day, John L., Son
MACON—*†Findlay Iron Works Co.
*†Mallary & Taylor Iron Works
*†Massey Gin & Machine Works (Cotton Gins, etc.)
*†Schofield's J. S., Sons Co. (Sugar Machinery, etc.)
MARIETTA—*†§Glover Machine Works (Locomotives, Hoisting Engines, etc.)
MILLEN—§Millen & Southwestern Ry. Brass Fdry.
MONTICELLO—*Benton Mfg. Co. (Agricultural Implements)
MORELAND—*Camp, E. N., & Son
NEWNAN—*†Cole, R. D. Mfg. Co. (Engines, etc.)
NORCROSS—*Buchanan Plow & Implement Co.
OCILLA—*Sikes Mfg. Co. (Hay Presses, etc.)
QUITMAN—*†Quitman Mfg. Co.
ROCK MART—†Rock Mart Stove & Fdry Co.
ROME—*†Bowie Stove Co. (Stoves)
*†Davis Fdry. & Machine Works
*†Georgia Fdry. & Machine Works (Shingles & Saw Mill, etc.)
*†Hanks Foundry Co.
*†§Rome Machine & Foundry Co.
*†Rome Scales Factory (Scales, etc.)
*†Southern Co-operative Fdry. Co. (Stoves)
*†Towers & Sullivan Mfg. Co. (Cultivators, Harrows, Plows, etc.)
SANDERSVILLE—*†Lang's Variety Works.
SAVANNAH—*†Decatur Car Wheel & Mfg. Co. (See Birmingham, Ala.)
*†§Kehoe, Wm., & Sons (Iron & Brass Fdrs. & Saw & Prosphate Mill Machy., etc.)
*Mingledorff & Co.
*†§Rourke, Jno. & Sons (Iron & Brass Fdrs., Machinists, Heavy Forgings, etc.)
*†§Savannah Locomotive Works & Supply Co. (Locomotives Rebuilt, etc.)
*†Seaboard Pipe Foundry Co.
TALLAPOOSA—*†Greene, M. A.
*†Southern Car Wheel & Iron Co.
THOMASVILLE—*†Thomasville Iron Works.
TIFTON—*†Tifton Foundry & Machine Co.
VALDOSTA—*†§Valdosta Foundry & Machine Co.
WAYCROSS*†Atlantic Coast Line Ry. Fdry.
*†§South Atlantic Car Mfg. Co.
WAYNESBORO—*Mobley Bros. (Machinery)
WEST POINT—*†West Point Iron Works
WINDER—*†§Woodruff Hdwe. & Mfg. Co. (Agr'l Implts.)

HAWAII.

HILO—*†§Hilo R. R. Co.
HONOLULU—*†§Catton, Neill & Co.
*†Honolulu Iron Works Co.
*†Hopper, James A., & Co.

IDAHO.

BOISE—*†§Baxter, Jas., Foundry & Mach. Co.
GRANGEVILLE—*Grangeville Implement Co. (Ltd.) (Agrl. Implts.)
MOSCOW—†Anthony, J. J.
NAMPA—*†Nampa Iron Works.
NEZPERCE—*Richardson, D. B.
POCATELLO—*†Union Pacific R. R. Shops
WALLACE—*†§Coeur d'Alene Iron Works.
WEISER—*†§Waters, L. E.

ILLINOIS.

ALEDO—*Venable, Geo. D.
ALLENVILLE—*†Ideal Car Loader Co.
ALTON—*Beall Bros. (Inc.) (Miners' Tools, Shovels & Specialties)
*†Duncan Fdry. & Machine Works (Box Car Loaders & Car Wheels, etc.)
*†Hancock Disc Plow Co. (Agrl. Implts.)
*†Hapgood Plow Co. (Agl. Implts., Plows, Drills, Planters, etc.)
*Hayden, Geo. D. Machine Co.
*Sparks, C. F. Machine Co.
ANNA—*Hargrave, Allen.
ARLINGTON HEIGHTS—*†Peter & Volz.
ASSUMPTION—*Consolidated Mfg. & Electric Co. (Electric Specialties)
*McClure, J. W.
ASTORIA—*Savill W. & Bro.
AURORA—*†AMERICAN WELL WORKS. (Well Machinery & Air Compressors). (See adv. index, end of book)
*†American Wood Working Machinery Co. (See Rochester, N. Y.)
*Aurora Automatic Machinery Co. (Pneumatic Tools, Motor Cycles, etc.)
*†Aurora Foundry Co. (Grey Iron & Machine Pulley Castings, etc.)
*†§Aurora Metal Co. (Brass & Bronze Castings & Metallic Piston Packing)
*†§C. B. & Q. R. R. Co. (Iron & Brass Shops)
†Cassidy's Sons
*†Fox River Iron Co.
*Hinckley, C. C.
*†Love Bros. (Inc.)
§Peters Brass Foundry Co. (Brass Castings, etc.)
*Phillips, T. L. (Feed Mills, Hot Water Heaters, etc.)
*†Rathbone, Sard & Co. (Stoves, etc.)
*Richards Mfg. Co. (Door Hangers, etc.)
*†§Richards Standard Mfg. Co. (Hdw. Specialties & Brass Foundry)
*†Standard Brake Shoe Co.
*†Stephens-Adamson Mfg. Co. (Power Transmitting Machy.)
*Udstad, S. (Machinist)
*Vindex Electric Co. (Transformers, etc.)
*Western Wheeled Scraper Co. (Street Sweeping Machines & Road Scrapers, etc.)
*†Wilcox Mfg. Co. (Door Hangers, Hdw. Specialties, etc.)
AVA—*Spiner, E. F.
*Underwood, Wm. J.
BATAVIA—*†Appleton Mfg. Co. (Agl. Implts.)
*†§Challenge Co. (Gas & Gasoline Engines, Windmills, etc.)
*Newton Wagon Co. (Heavy Farm Wagons, etc.)
*†Shumway, C. W. & Sons (Machinery Castings, etc.)
*†Sperry, D. R. & Co. (Hollow Ware Founders)
§Stuttle Brass Mfg. Co.
*†U. S. Wind Engine & Pump Co. (Wind-Mills, Pumps, Feed Mills & Corn Shellers, etc.)
BELLEVILLE—†Belleville Foundry Co.
*Belleville Implement & Motor Co. (Agrl. Implements, Motors, etc.)
*†Belleville Stove & Range Co. (Stoves, etc.)
*†Born, J. C. & Bro.
†Crown Foundry Co. (Iron Founders)
*†Eagle Foundry Co. (Stoves)
*†Enterprise Foundry Co. (Iron Fdrs.)
*†Excelsior Foundry Co.
*†Gundlach, Phillip M.
*†Harrison Machine Works (Threshers & Engines)
*†§Herzler-Henninger Machine Works

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*†Mitchell-Parks Mfg. Co. (See St. Louis, Mo.)
*Modern Machine Co.
†Oakland Foundry Co.
†Orbon Stove & Range Co. (Stoves, Ranges, etc.)
*†Quality Stove & Range Co.
†Richland Foundry Co. (Iron Fdrs.)
*†Rinck Mfg. Co. (Threshing Machine Cylinders)
*St. Clair Foundry (Iron Fdrs.)
*Schwartz, Jos. & Son (Machinists)
*†Snyder & Baker Stove Works (Stoves)
*Wilson Steel Range Co. (Steel Ranges, etc.)

BELVIDERE—*†National Sewing Machine Co
*†National Sewing Machine Co.

BENTON—*Gray, J. W.

BLOOMINGTON—*†American Foundry & Furnace Co. (Hot Air Furnaces & Castings, etc.)
*†§Bloomington Iron & Brass Foundry
*†Chicago & Alton R. R. (Iron Fdry.)
*Constant, B. S. Co. (Elevator & Grain Machinery, etc.)
*†Co-operative Stove Co. (Stoves)
*Keiser, Van Leer Co.
*†Ma Girl, P. H.

BLUE ISLAND—*Bronson, E. & Co.

BRADLEY—*†Bradley, David Mfg. Co. (Plows, Cultivators, Planters, etc.)
*†Burrell Mfg. Co.
*†Turk, Jos. Mfg. Co. (Iron Beds, etc.)

BURNHAM—Western Steel Car & Foundry Co. (See Chicago, Ill.)

BUSHNELL—*Bushnell Pump Co. (Pumps, etc.)
*Norcross, C. S. & Son (Garden Plows, etc)

CAIRO—*†McCarthy & Malinski
*†§Reed, J. B. (Machine Tools & Castings, etc.)
*†§Rennie, Jno. T.

CAMPBELL HILL—*Shaw, Hans (Machinist & Plows)

CANTON—*†Parlin & Orendorff Co. (Plows, Cultivators, Planters, Listers, etc.)
*†Savill & Chandler Co. (Stoves, etc.)

CARBON HILL—*†Wilmington Foundry & Machine Co. (Fdrs. & Machinists). (See Chicago)

CARLOCK—*Shad, S. H.

CARMI—*Graham Mfg. Co. (Machinists)

CARPENTERSVILLE—*†Illinois Iron & Bolt Co. (Presses, Jacks, Vises, Drills, etc.)
*†Star Mfg. Co. (Steel Castings & Plows)

CARROLLTON—*†Enterprise Iron Works (Oswald Jackson, Prop.)

CARTERVILLE—*Coal Belt Machine Works
*Illinois Engineering & Machine Co.

CARTHAGE—*Leader Mfg. Co. (Grain Separators & Cleaners)

CHAMPAIGN—*†Burr, E. M. & Co. (Manhole Covers, Sewer Inlets, Municipal Castings, etc.)
*Wallace Machinery Co.

CHARLESTON—*Merritt & Mason

CHESTER—*†Dauer, L. A.

CHICAGO—*Aaron Electric Co. (Dynamos & Motors), 141 S. Clinton
*§Acme Metal Mfg. Co. (Brass Fdrs.), 68 W. Monroe
***ACME STEEL GOODS CO.** (Steel Goods, etc.), 2834 Archer av. (See adv. index, end of book)
*†§Acorn Brass Mfg. Co. (General Machinists, Brass Fdrs. & Finishers), 51 N. Peoria
*Adams Bros. (Special Machy., etc.), 911 N. Kedzie av
*§Adams & Westlake Co. (Railroad Specialties, Brass Fdrs., Finishers, etc.) Ontario & N Franklin
*Adapt Machinery Co. (Special Machinery), 1030 Wabash av
*Advance Machine Co. (Slot Machines), 194 S Clinton
*†Aeromotor Co. (Windmills), Campbell av n of 12th
Allbright-Nell Co. (Packers' Machinery), 4019 Wentworth av
*Allen, W. D. Mfg. Co. (Brass Founders' Brass Specialties, Finishers, etc.), 151 Lake
*†§**ALLIS-CHALMERS CO.** (See Milwaukee, Wis.)
*†American Bridge Co. (Bridge Bldrs. etc.), 115 Adams
*§American Bronze Foundry Co. (Bronze Founders & Tablets, etc.), 73d & Woodlawn av
*†American Building Foundry Co. (Structural & Arch'l Castings), 497 W. 22d
*American Can Co. (Can Makers & Canners' Machinery, etc.), 135 Adams
*†American Car & Equipment Co. (Freight Cars, etc.), Monadnock Bldg
*†American Car & Foundry Co. (See St. Louis, Mo.)
§†American Iron & Wire Works, 675 Carroll av
'American Metalware Co. (Brass Bedsteads, etc.), 87 Huron
*American Meter Co. (Gas Meters & Appliances), 244 N Wells
*†American Radiator Co. (Radiators, etc.), 282 Michigan av
†American Steel Foundries. (Steel Castings, 175 Dearborn
*†American Steel & Wire Co., 175 Dearborn
*Amundsen, A. & Co. (Tools & Dies), 60 W. Jackson boul
*†Anderson, Adolph F. (Builders' Iron Works), 5836 Loomis
§Anderson Bros. (Brass Founders & Finishers), 434 Fulton
*Anderson Bros., 394 S. Clark
*Anderson, Carl Co. (Gas & Gasoline Engines), Huron c Kingsbury
§Anderson, Chas. B., 120 Clinton
*Anderson, Chas. L., 92 W. Van Buren
*Anderson, C. F. & Co. (Printers' & Binders' Machinery), 394 S Clark
*Anderson Machine Co. (Machinists), 56 N. Jefferson
†Archer Iron Works (Wheelbarrows, Trucks, etc.)
†Armor Steel & Foundry Co. (Steel Castings), 164 Dearborn. Works: Matthews, Ind.
*Armstrong-Blum Mfg. Co. (Punches & Shears, Rod Cutters, etc.), 107 N. Francisco av
*Armstrong Bros.' Tool Co. (Tool Holders, Ratchet Drills, etc.), 104 N. Francisco av
*Arnold, Schwinn & Co. (Bicycles, etc.), 945 N 43d av
*†Art Bedstead Co., 37th & Rockwell
*Atlantic Tool & Machine Co. (Tools, Dies & Special Machinery), Atlantic bldg
*Austin Mfg. Co. (Road Grading & Well Drilling Machy), 315 Dearborn; Works, Harvey, Ill.
*Automatic Machine & Tool Co. Coin Operating Machines), 46 N. Ann
*Automatic Racking Machine Co., 28th & Groveland av
*Ayes & Co. (Lathe Dogs, Pipe Cutters, etc.), 57 Ellen
§Babbitt, R. M., Brass Fdry., 67 W. Washington
*Bakke & Aabel, 140 Monroe
§Baldwin Brass Works, 232 S. Clinton
*Barber, A. H., Creamery Supply Co. (Ice & Refrigerating Machy. & Dairy Supplies), 229 S Water
*Barbieri & Dellenbarger Co. (Mach'y & Tools, etc.). 767 Clybourn av
***BARCO BRASS & JOINT CO.** (Brass Finishers), 56 N Jefferson. (See adv. index, end of book)
†Barr & Kellerman Fdry. Co., 30 Erie
*Beardslee Chandelier Mfg. Co. (Gas & Electric Fixtures), 176 S Clinton
*Bell & Howell (Moving Picture Machines), 90 Illinois
§Berchem, Jules, & Co. (Bronze Statuary, etc.), 486 Fulton
*Bergholtz, Strodtz & Co. (Tools, etc.), 615 Ogden av
*Bergbom & Roberg (Machinists & Tool Makers), 30 W. Raldolph
§*Besly, Chas. H., & Co. (Brass Goods, etc.), 15 S. Clinton
*Blakesles, G. S. & Co. (Dish Washing Machines), 325 Dearborn
*Blomfeldt & Rapp (Special Machy., Dies etc.), 25 S Jefferson
*Boland Machy. Co. (Ice & Washing Machy), 200 S Clinton
*Boller, Peter (Machinist), 24 W Randolph
*†Bolter's, A., Sons, Belden & Ward
†Bondy, J. L., Wire & Iron Works, 140 Dearborn
*Bottlers' Machinery Mfg. Co. (Labelling Machines, etc.), 67 N. Wells
†Brady, Jas. A., Foundry Co. (Machinery Castings), 35th & Ashland av
*Brady, Jno. F. Turbine Co. (Turbine Engines), 45 Fulton
†Brandes, Carl (Arch'l & Structural Iron), 1037 Otto
*†Brighton Foundry Co., 330 S Western boul
*Bromm, Fred. J. (Tools), 2564 S Halsted
*†Brown Bros. Mfg. Co. (Builders' Iron Work & Castings & Sidewalk Lights), W 22d & Campbell av
*Brown Specialty Machinery Co. (Core Making Machines, etc.), Jackson Boul & Clinton
*†Brucker, Michael (Fdry. & Stove Repairs), 325 N Lincoln
*Brunner & Lay Stone Jacks, Tools, etc.), 133 W Polk
*†Buda Foundry & Mfg. Co. (Railway Cars, Axles, Wheels, Track Equipments, etc). 9 Jackson boul.; Works, Harvey, Ill.
*Buissono Bros.' Mfg. Co. (Machinists), 3146 Wentworth av
*†§Burdette-Rowntree Mfg. Co. (Brass, Bronze & Aluminum Castings & Elevator Fixtures, Finishers, etc.), 85 W Jackson boul.
*†Burrell Mfg. Co. (Flour Mill Machy.), 251 S. Jefferson
*Burton's, A. G. Son (Safe Locks, etc.), 133 S. Clinton
†Butler St. Foundry & Iron Co. (Iron Fdry), 3422 Butler
*†Caldwell, H. W. & Son Co. (Elevating & Conveying, Grain Elevator & Power Transmitting Machinery), Western av & 17th
*Carmichael Range Co. (Stove & Range Mfrs.), 195 Kinzie
Cassady-Fairbank Mfg. Co. (Automatic & Bicycle Parts, etc.), 6126 La Salle
*Cavanaugh-Darley Co. (Gas Engines), 84 Van Buren
†Central Architectural Iron Works. Fisher Bldg
*Central Chandelier Co., 513 Fulton
§*Central Specialty Mfg. Co. (Bathroom & Laundry Fittings), 141 S. Clinton
†Central Iron Works (Fire Escapes, etc.), 203 W. Lake
*†Chalmers & Williams (Mining Machy., Rock Crushers, etc.), Commercial Nat'l. Bk. Bldg.
§Chicago Art Metal Works (Brass Ornaments, etc.), 67 Lake
*§Chicago Brass Co. (Brass Fdrs. & Finishers). 42 Madison
*Chicago Bridge & Iron Works, Throop c W 105th
*†§Chicago City Ry. Co. (Fdry. Dept.), 77th & Wentworth
*†Chicago Crossing Co. (Switches, Frogs, Crossings, etc.). Monadnock Blk.
†Chicago Die & Electric Co. (Electric Goods), 64 Fulton
*†Chicago Drop Forge & Foundry Co. (Drop Forgings, Castings, etc.), 115th pl. & M. C. R. R.
*§Chicago Faucet Co. (Brass Fdrs. & Finishers), 200 S Clinton
*Chicago Fire Apparatus Co. (Fire Apparatus), 89 Lake
*Chicago Flexible Shaft Co. (Flexible Shafts, etc.), La Salle av & Ontario
†Chicago Foundry Co., 56th av, bet. Armitage & Grand aves
*†§Chicago Hardware Foundry Co. (See Chicago Heights, Ill.)
Chicago Machine & Washer Co., 1212 W. 15th
*Chicago Machinery Mfg. Co., 241 Jefferson
†Chicago Malleable Castings Co. (Refined Malleable Castings), W. 120th & Centre av
*†§Chicago Ornamental Iron Co., 37th & Stewart ave.
*†Chicago Pneumatic Tool Co. (Pneumatic Tools, Air Compressors, etc.), Fisher bldg
*†Chicago Pulley & Shafting Co. (Power Transmitting Appliances), 54 S Canal
*†Chicago Railway Equipment Co. (Brake Beams, Bolsters, Side Bearings, etc.), Robey & 46th
*†Chicago Ship Building Co. (Marine Engines, Ship Builders, etc.), 101st & Calumet river
*†**CHICAGO SIDEWALK LIGHT CO.** (Sidewalk Lights, etc.), 103 Reaper blk (See adv. index, end of book)
*†§Chicago Spring Butt Co. (Hardware Specialties & Brass Fdrs.), 491 Carroll av
†Chicago Steel Fdry. Co. (Crucible, Manganese, Nickel, Canadian & Chrome-Vanaduin Steel Castings)
*†Chicago Stove Works (Stoves, etc.), Blue Island av & W 22d
*†Chicago Stove & Range Co. (Stoves & Ranges), 237 E 26th. Works, Fulton & Mattoon, Ill.
*Chicago Time Lock Co., 1370 N Francisco av
*Chicago Water Motor & Fan Co. (Water Motors, etc.), 40 Dearborn
*†Chisholm, Boyd & White Co. (Brick Machinery, etc.), W. 57th & Wallace
§Clow, Geo. B. & Co. (Metal Specialties), 72 W Washington
*†§Clow, Jas. B. & Sons (Inc.) (Cast Iron Pipe & Plumbers' Supplies), 342 Franklin
*Clyde Machine Works (Crank Pin Machinery, etc.), 3013 Union av

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*Colborne Mfg. Co. (Pie Bakers Machinery, etc.), 35 Indiana
*†Cole Mfg. Co. (Stoves & Ranges), 3218 S Western av
*Comptograph Co. (Adding & Listing Machines), 39 Dayton
*Conkling Co. (Laundry Machy.), 90th & Erie av
*Confectioners' & Bakers' Supply Co. (Confectioners' & Bakers' Machy.), 240 Illinois
*Cook & Chick Co., 255 Kenzie
*Cowper Mfg. Co. (Coin Operating Machines), 166 S Clinton
*†§Crane Co. (Steam Specialties & Cast Iron & Brass Goods). (See adv. index, end of book)
*Crary, Hamilton, 41 Indiana
*†Creamery Package Mfg. Co. (Ice & Refrigerating Machines & Creamery Supplies), 182 E Kinzie
*†Cribben & Sexton Co. (Stoves & Plumbers' Enamelled Ware, etc.), 56 Erie
*Cross Press & Sign Co. (Wood Printing Machines), 57 Dayton
*Cullman Wheel Co. (Sprockets' for Roller & Block Chains), 1024 Greenwood ter.
†Cummings, T. A., Foundry Co., 67 Clybourne pl
*Cummins, B. F. Co. (Check Perforators, etc.), 1411 W. Ravenswood pk
*†Danchy Iron Works (Builders' Iron Work, Castings & Vault Lights), 84 Illinois
*Davis, G. M. Regulator Co. (Valves, etc.), 144 Milwaukee av
*†§Davis, Horwich & Steinman (Brass & Iron Beds), 420 Maxwell
*Davis-Johnson Mfg. Co. (Hydraulic Presses & Pumps, etc.), 345 S. Canal
*†Davison Fdry. Co. (Light & Heavy Grey Iron Castings, etc., Manhole & Conduit Covers, Catch Basins, etc.), 144th & R. R. av
*†Dawson Bros. (Grates & Metal Trimmings), 197 N. Halsted
*†Dearborn Foundry Co. (Builders' Iron Work & Castings), 1525 Dearborn
*Dearborn Machine Works, 296 Dearborn
*Delano, E. A., Co. (Shafts, Hangers & Pulleys), 150 Huron
*Dick, A. B. Co. (Copying & Duplicating Machines), 161 W. Jackson boul
*Dobbins, C. E. & Co. (Axles & Springs), 172 N Halsted
*Doolan Mfg. Co., 16 Larrabee
*Drake Standard Machine Works (Brick Machinery & Concrete Mixers, etc.), 298 W Jackson boul
*Dreis & Krump Mfg. Co. (O K Cornice Brake, etc.), 3214 S Halstead
*†Duffin's Iron Works (Arch'l Iron, etc.), 40th & Wentworth av
*Dunbar & Co. (Peanut & Pop Corn Roasting Machines), 687 Fulton
*Dunne, Geo. W. & Co., 691 Carroll av
*†Eaton & Prince Co. (Elevator Builders, etc.), 70 Michigan
*§Eddy, Geo. B. (Brass Fdrs. & Finishers), 72 W Washn
*†Eddy, R. M. Foundry Co. (Boiler Fronts), Grate Bars, Castings, etc.), 61 Indiana
*†§ELEVATOR SUPPLY & REPAIR Co., 76 W. Monroe. (See adv. index, end of book)
†Elizabeth Street Foundry (Iron Fdry.), 5837 S Elizabeth
*ELMES, CHAS. F. ENGINEERING Works (Hydraulic, Fire Boat & Rubber Machinery), Fulton & Morgan. (See adv. index, end of book)
*§Empire Brass Works (Brass Founders, Finishers, etc.), 127 Fulton
*Emrath, Louis, 218 Washington
*Enterprise Tool & Metal Works (Machinists), 141 S Clinton
Erb, W. B. & Co. (Machinists), 224 S Clinton
*Erwin & Co. (Hydraulic Pumps, etc.), 56 Dearborn
*Excelsior Steel Furnace Co. (Furnaces, etc.), 38 W Monroe
*†Fairbanks, Morse & Co., Franklin & Monroe
*§Faunt Bros. (Brass Founders, Finishers, etc.), 13 N Jefferson
*†Featherstone Foundry & Machine Co. (Corliss Engines, Ice Machines, Grey Iron Castings, etc.), Front & Halstead
*†§Federal-Huber Co. (Plumbers' Goods, etc.), 54 N. Halsted
*Federal Mfg. Co. (Geyser Cocks, etc.), 158 State
*Felt & Tarrant Mfg. Co. (Comptometers, etc.), 856 N. Paulina
†Ferguson & Lange Foundry Co. (Grey Iron, Ammonia, Chilled & Hydraulic Castings & Chilled Car Wheels, etc.), Clayborn av & Willow
*Folding Sawing Machine Co., 158 Harrison
*Foley, J. L., 69 W Jackson boul.
*†Foley & Williams Mfg. Co. (Sewing Machines), 48 Jackson boul.
*Force, Wm. A. & Co. (Inc.) (Dies, Stamps, etc.), 188 Monroe
*FOOTE BROS. GEAR & MACHINE Co. (Engineers & Machinists, Special Machy., Cut Gears, etc.), 44-50 N. Carpenter
*Fort Dearborn Mfg. Co. (Special Machy., etc.), 63 Crossing
§*Fowler Brass Works (Plumbers' Brass Goods), 2333 Wabash av
†Frake, Jas. (Iron Fdry.), 459 W Kinzie
†Francis & Nygren Foundry Co. (Semi-Steel & Iron Fdrs.), 1201 Fillmore
*†Franklin Pipe & Foundry Co., 1155 S. Paulina
*Furness Bros.' Co. (Machinists, Pumps, etc.), 28 N Desplaines
*Gallaher & Speck (Machinists), 184 E. Congress
*GANSHOW, WM. CO. (Engineers' & Machinists, Special Machinery, Cut Gears, etc). (See adav. index, end of book)
*†Garden City Fan Co. (Iron Fdrs. & Blowers, Exhaust Fans, etc.), Fisher bldg. Works: Niles, Mich.
†Garden City Foundry (Iron Founders), 103 W Monroe
*Garvy Co. (Iron Beds), 49th av. & Bloomingdale rd
*Gibson, A. M., 32 W Quincy
*Glader, Wm., 50 N. Ann
*§Goetz & Flodin Mfg. Co. (Brass Fdrs. & Finishers), 133 W Chicago av
*†Golden Novelty Mfg. & Foundry Co. (Art Metal Works), 46th & Grand av.
*†Goss Printing Press Co. (Printing Presses), 732 S Paulina
*§Grant, Michael F. & Co. (Brass Fdrs. & Finishers), 215 S Clinton
†Gray Iron Foundry Co., 46 Michigan
*†Green Engineering Co. (Traveling Link Grates, etc.), Com'l Nat'l Bank Bldg
*†Greenlee Bros. & Co. (Woodworking Machinery, etc.), Railway Ex bldg
†Greenlee Foundry Co. (Iron Fdrs.), 142 Bunker
*Gregory Electric Co. (Electric Machinery), 16th & Lincoln
*†Griffin Wheel Co. (Car Wheels), 138 Jackson boul Works, Sacramento av & C. & N. W. Ry.
*Grotnes, Chas. (Machy.), 11 S. Jefferson
*Gruendel, Geo. (Machinist). 28 S. Canal
*Guarantee Electric Co. (Dynamos & Motors), 153 S Clinton
*Guillott Metal Gasket Co., 97 S Clinton
*Gump, B. F. Co. (Rebuilt Flour Mill Machinery), S. Clinton
*Gutmann Store Fixture Co., 377 Wabash
*Haberkamp, Wm., Machine Works (Saturating & Roofing Paper Machy., etc.), 69 N. Wells
*Hall Machine Co., 54 N. Desplaines
†§Hall, Miller & Son (Iron & Brass Bedsteads), c Taylor & Rockwell
†Hallett Iron Works, 92 W Polk
*HALSTED, JOS. CO. (Builders' Iron), 388 W Randolph. (See adv. index, end of book)
*Hammar, Herman (Machinist), 170 E. Madison
*Hanna Engineering Works, 820 Elston av
*†Hansell-Elcock Co. (Iron Founders & Builders' Iron Works), 251 23d pl
*Hardinge Bros. (Sensitive Drills & Watchmakers' Tools, etc.), 1036 Lincoln av
*§Harris, Arthur & Co. (Brass Founders & Finishers for Breweries, Distillers, etc.), 44 N Curtis
*Harvard Electric Co. (Electrical Specialties), 60 W Vanburen
*Harvard Tool Mfg. Co. (Dies, etc.), 5 W. Madison
*†Hawley Down Draft Furnace Co. (Mechanical Stokers' Melting Furnaces, etc.), Superior & Townsend
*Healy Ice Machine Co. (Ice Machines & Steam Engines), 641 30th
§Hecht, Jere M., 101 Kinzie
*Heinemann, Louis, 319 Melrose
*Helmold, J. F., & Bro., A. & Dominick
*†Herbert Boiler Co. (Boilers, etc.), Root & La Salle
*Hennebohle Co. (Steam & Hydraulic Specialties), S Chicago & Erie ava
*Hermetic Closure Co. (Canning Machinery), 1142 W 16th
*§Hewitt Mfg. Co. (Brass Founders & Finishers), 9 Jackson boul
*Hicks Locomotive & Car Works (Cars, Locomotives, etc.), 277 Dearborn
*Hiles, C. A. & Co. (Saws, Tools, etc.), 14th & Western av
§*Hills-McCanna Co. (Brass Fdrs. & Engineers' Supplies), 127 E. Kinzie
§Hine-Watt Mfg. Co. (Brass Fdrs.), 60 Wabash av
*§Hodgson, Jno. & Co. (Brass Fdrs. & Finishers), 1071 W 13th
*Hoeft & Co., 118 Michigan
*Hoffmann, Emil R. (Special Machinery), 71 W Jackson boul
*Holden Mfg. Co. (Automatic Presses & Special Wire & Tin Working Machy.), 153 S Jefferson
†Holland Radiator Co., (Radiators, etc.), 38 Dearborn
*Holland, Wm. Brass Works (Brass Founder & Finisher), 108 W. Monroe
*Holliday Mfg. & Eng. Co. (Gasoline Engines), 100 Bunker
*Holmes Bros. (Machinists), 73 W Jackson boul
*†Holmes, Pyott & Co. (Builders' Iron Work & Foundry & Machinists), 13 N Jefferson
*†Home Stove Works (Stoves), W. 18th & S Rockwell
*Household Stove Co. (Steel Ranges), 1935 Wentworth av.
*†§Hubley Mfg. Co. (Light Grey Iron Castings & Brass Pattern Work), 35th & Ashland av.
*†Hughson Steam Specialty Co. (Steam Specialties, etc.), 860 S. Halstead
*Hydraulic Engineering Works (Hydraulic Press & Pumps), 64 N. Jefferson
*†§Illinois Malleable Iron Co. (Iron & Brass Fdrs., Pipe Fittings & Plumbers' Supplies), 537 Diversey boul
*†Illinois Sewing Machine Co. (Sewing Machines, etc.), 85 Randolph; Works, Rockford, Ill.
*†§Illinois Steel Co. (Iron, Steel & Brass Castings, All Consumed by the Company; also Machine Shops), 115 Adams
*§Imperial Brass Mfg. Co. (Brass Fdrs. & Finishers), 245 S Jefferson
*Inland Steel Co., 1st Nat'l. Bank, Works: Chicago Heights, Ill.; Indiana Harbor, Ind.
*International Filter Co., 1702 Wabash av
*†§International Harvester Co. of America Agricultural Implements, Iron, Steel & Brass Castings, All Consumed by the Company)
*International Register Co., 118 W Jackson boul
*†§Jackson, Geo. W. (Inc.) (Excavating & Tunneling Machinery, Iron & Brass Founders), 169 W Jackson boul
*James, D. O. Mfg. Co. (Gear Cutting), 351 W Monroe
*Jann & Shank Mfg. Co., 118 W Jackson boul
†Johnson, Chas., & Son (Fire Escapes, etc.) 89 E. Indiana
†Johnston & Jennings Co., 38th & Morgan
*†Jones, W. A., Foundry & Machine Co. (Power Transmitting Machinery & Castings), 57 S Jefferson
*Joy, C. H. (Slot Machines), 251 S Jeff'n
*Kaestner & Co. (Elevators, Brewers' & Maltsters', Paint Grinding & Mixing Machinery), 241 S Jefferson
*Karas Electric Co. (Electric Specialties), 90 Illinois
*†Kellogg-Mackay Co. (Radiators & Heating Apparatus), 12th & Michigan av
§Kelly Brass Works, 99 Bunker
*§Kelly, Thomas & Bros. (Water Closets & Sanitary Brass Goods), Congress & 46th av
*†Kimball & Chappell Co. (Metal Bedsteads, etc.), 2834 Loomis
*Klemm, E. R. (Stone Jacks), 107 W Monroe
*Klein, Mathias & Sons (Tools), 87 W Vanburen
*Kling Bros. (Punches, Shears, Plate Rolls & Boilermakers), 287 Hawthorne
*Klipfel Mfg. Co. (Valves, Regulators, etc.), 44 N Carpenter
*Koehl, Geo. J. (Rug Machy.), 1527 Milwaukee av
*Kohler Die & Specialty Co. (Tools, Dies, Presses, Special Machy., etc.), 200 Washington boul
*Kreiter, Louis, & Co., 194 N. Clinton
*Kroeschell Bros.' Ice Machine Co. (Ice Machines, etc.), 31 Erie
*Kyle Bottle Washing Machine Co. (Bottle Washing & Soaking Machines, etc.), 65 N Ashland av
*Lammert & Mann (Gas & Gasoline Engines, etc.), 155 S Jefferson
*Lamson Cutter Head Co. (Woodworking Machy.), 41 S Jefferson

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*Lang, J. Electric Co. (Elec. Machy.), 116 N Lincoln
*Lange, Henry G. (Glass Beveling & Coffee Roasting Machinery), 22 N May
*Larsen, Ivert (Special Machy., Dies, etc.), 51 N Elizabeth
*Latham Machinery Co. (Bookbinders' Wire Stitching & Perforating Machines, etc.), 199 S Canal
*Lathey Steel Type Co. (Steel Type, etc.) 204 Illinois
Latrobe Steel & Coupler Co. (Car Couplers & Steel Castings), Old Colony bldg.
Lau, Willy H. Co. (Gas & Electric Fixtures), 26 Lake
*Lemley & Schultz (Machinists), 570 Elston av
*Lindahl, Henry, Machine Co., 276 W. Lake
*†§Link-Belt Co. (Elevating & Conveying Machy., etc.), W 39th & Stewart av
*§Liquid Carbonic Co. (Soda Fountains), 67 N Wells
*†Lovejoy Tool Works (Tools, Jacks, Punches, etc.), 86 E Ohio
*†M. & D. Range Co. (Ranges, etc.), 100 Lake
*McCanna Mfg. Co. (Lubricators, etc.), 56 N. Jefferson
*McCrea, Jas. & Co. (Steam Specialties & Boring Machines for Electric Wiring), 67 W Washington
*McCune, G. C. (Pumps, Machy., etc.), 186 Leavitt
*McDonald Machine Co. (Can Making Machinery, etc.), 3207 Shields av
§McMorran, E. E. & Co. (Metal Specialties), 15 N Clinton
*Machine Perfecting & Mfg. Co. (Special Machy., etc.), 10 N. Desplaines
*Marchant, Geo. F. (Punches, Dies, etc.), 47 N Elizabeth
*Marine Iron Works (Paddle Wheel & Marine Mach'y.), Clybourn & Southport avs
*Marsh, Jas. P. & Co. (Steam Gauges, etc.) 224 Washington
*Martin & Walstrom, 65 W Washington
*Massey Vise Co. (Vises, etc.), 208 Michigan
*Mateer, F. W. & Co. (Laundry Machy.), 7 S Jefferson
*Metal Specialties Mfg. Co., 18 W. Randolph
*Miehle Printing Press & Mfg. Co. (Printing Presses, etc.), 14th & Robey
*Miller Chemical Engine Co., 149 Huron
*Mills Novelty Co. (Coin Operating Machines), 150 Green
*Mitchell, Frank C. (Printers' Machinist), 418 Dearborn
*†**MONIGHAN MACHINE CO. (Hoisting Engines, Steam Hammers, Grey Iron Castings, etc.),** 813 Carroll av. (See adv. index, end of book)
*Moore-Master Mfg. Co., 44 Michigan
*Moore & Lorenz Co. (Flour Mill & Grain Elevator Machy.), 816-822 Fulton
*†Morden Frog & Crossing Works (Frogs, Crossings & R. R. Castings), Com'l Nat'l Bk. bldg
*Morgan-Gardner Electric Co. (Electric Mining Machinery), 2642 Shields av
*Muir, Hugh, Co. (Cast Iron Pulleys, etc.), 240 Carroll av
*Mulvey, Chas., Mfg. Co., 1831 35th
†Munro, Daniel (Iron Fdrs), 234 S Jefferson
*Murray, W. B. (Gasoline Engines), 353 Wabansia av
§National Brass Works, 155 E. Washington
*†National Car Coupler Co. (Car Couplers, Buffers, Steel Platforms, etc.), Monadnock blk. Works: Attica, Ind.
†National Foundry Co., 53 Lake
*National Light, Heat & Power Co. (Gasoline Lamps, Dies, Tools, Screw Machine Work, etc.), 302 W Lake
*National Machine Works (Brewers' & Maltsters' Machy.), Sheffield & North av
†National Malleable Castings Co. (Malleable Iron Castings for R. R., etc.), W. 26th, nr. Blue Island av
*†§National Stamping & Electric Works (Electric & Special Machinery), 153 S. Jefferson
*National Steam Specialty Co. (Steam Gauges, Valves, etc.), 230 E. Washington
*National Vending Machine Co. (Coin Machines), 32 S Canal
*Nelson, A., Mfg. Co. (Bicycle & Auto Parts), 83 W Randolph
*Nelson & Le Moon (Machinists), 88 W Monroe
*Nicholas, T. E., & Co., 75 W. Jackson boul
*Nichols, Geo. P., & Bro. (R. R. & Special Machy., etc.), 313 S. Canal
*Nye Steam Pump & Machy. Co., 70 W Washington
*Nye Tool & Machine Works (Mechanical & Electrical Machy.), 17 S. Jefferson
*†O'Leary, Arthur J., & Son Co., 124 W. Lake
*Oliver Typewriter Co. (Typewriters), 55 Dearborn; Works, Woodstock, Ill.
*Ostermann Mfg. Co. (Freight Car Construction & Repairs), 120th & Peoria
*Ostrander-Seymour Co. (Printing Machy.), 143 Dearborn
*†Otis Elevator Co., 550 W 15th
*Owen, E. H. & Co. (Dies, etc.), 32 S Jefferson
Parsons, Winslow R. & Co. (Sewing Machine Attachments, etc.), 232 S Clinton
*Partridge, Edw. O., 74 W Lake
*§Pattison, J. L. & Co. (Brass Fdrs. & Finishers), 162 S Clinton
*Peerless Electric Co. (Dynamos & Motors), 122 S Green
*Pelouze Scale & Mfg. Co. (Scales, etc.), 413 Ohio
*Perking, Chas. & Co. (Bookbinders & Printers' Machinery), 147 S Clinton
*†Perrin, Wm. R., & Co. (Power & Hydraulic Presses, etc.), 46th & Loomis
*Perry Side Bearing Co. (Side Bearings, etc.), Monadnock blk
*Pettibone, Mulliken & Co. (R. R. Frogs, Crossings, Switches, etc.), Marquette bldg
*Phoenix Fire Extinguisher Co. (Auto. Fire Sprinklers), First Nat'l B'k bldg
*†Phoenix Foundry Co. (Sash Weights, etc.), 586 S Jefferson
*†Pilsen Foundry & Iron Works, 609 W 22d
*†Plamondon, A. Mfg. Co. (Power Transmitting Machy., etc.), 57 S Clinton
*Plunket, Jas. E. (Drill Press, Gas Engines & Milling Machine Vises), 47 S. Jefferson
*Pondelick Bros., 186 S Leavitt
*Pratt, Henry Boiler & Machine Co. (Machinists & Boiler Makers), 877 S Halsted
*†§Pratt, Wm. E. Mfg. Co. (Malleable Iron Castings, Hdwe. Specialties, etc.), 91 Lake. Works: Joliet, Ill.
*Price, O. J., 50 N. Clinton
*†Pridmore, Henry E. (Molding Machines), 918 S Rockwell
*Pringle & Brody Machinery Co. (Wood Working Machinery, etc.), 277 S Canal
*Printers' Chase & Machine Works (Special Machy.), 18 N Jefferson
*Printers' Mfg. Co. (Printers' Machy.), 184 Congress
*†§Pullman Co. (Car Builders, etc.), Pullman bldg.: Works, West Pullman, Chicago
*†Pyott Foundry Co. (Iron Fdrs. & Bldrs.' Iron Work), 72 N Sangamon
*Quadriga Mfg. Co. (Special Machy.), 18 S Canal
§Quincy Brass Works (Brass Fdrs. & Finishers), 147 S. Clinton
*Railroad Supply Co. (Railroad Specialties), 215 Dearborn; Works, Chicago Heights, Ill.
*Raymond Bros.' Impact Pulverizer Co. (Brick, Cement, Mining, Paint, Pulverizing, etc.), 143 Laflin
*Rebsamen & Almeroth (Brewers' Machy.), 1071 Elston av
*†Reder Foundry Co., Canalport & Sangamon
*Redington, F. B. Co. (Special Machy., Gears, etc.), 107 S Sangamon
*†Reedy Foundry Co., 2026 Iowa
*†Reedy, J. W. Elevator Mfg. Co. (Passenger & Freight Elevators & Iron Founders), 91 Illinois
*Reichel & Drews (Special Machy), 28 N. Desplaines
†Rempe Co. (Cast Iron Pipe & Coils), Sacramento & Carroll avs
*Rhodes Watch Tool Co., 32 S Jefferson
*Risser Mfg. Co. (Dies, Tools & Special Machinery), 301 W Lake
*Ristenbatt, Jno. C., 88 W Jackson boul.
*†§Riverside Iron Works, 9388 Ewing av.
*†Roos, Henry Fdry Co., 985 Kimball av.
†Root Street Foundry Co. (Grey Iron Castings), 240 Root
*Roth Bros. & Co. (Dynamos & Motors & Electric Drives), Loomis & Adams
*Rouse, H. B. & Co. (Printers' Tools, etc.) 61 Ward
*Rowe, Jas. (Machinists), 241 S Jefferson
*§Ryan, J. J. & Co. (Brass Founders & Finishers), 105 S Jefferson
*Saal, H. G. (Dies & Tools), 1183 W. Ravenswood pk
*†Sackett, H. B. Screen & Chute Co. (Coal Handling Mach'y.), 4220 State
*Sandberg, Adolph L. (Sand Forging, etc.), 178 S Clinton
*Savage Bros. Co. (Confectioners' Mach'y.), 42 Michigan
*Schaefer Bros.' Co. (Electrical Mach'y.), 14 Julius
*Schindler, A. J. (Machinery), 441 W 21st
*Schultz, A. L. Iron Works (Ice Harvesting Machinery, etc.), 570 Elston av.
*Schults & Cappers, 343 Austin av.
*Schureman, J. L. Co. (Elec. Specialties), 80 W Jackson boul
*†Seybold Machine Co. of Dayton, Ohio (Bookbinding Machinery), 312 Dearborn
†Sheffield Foundry Co. (Iron Fdrs.), Clybourn av & Herndon
*Sheldon, E. H. & Co. (Woodworking Machinery, etc.), 84 N May
*Shniedewend, Paul & Co. (Photo Engravers' Machy.), 118 W Jackson boul
*Shultz, Richard A. Co. (Dies, Tools, etc.), 143 Ontario
*Sinclair Laundry Machinery Co., 40 N Clinton
*Simmons Mfg. Co. (Iron Beds, etc.), 192 Michigan av
*†Simplex Railway Appliance Co. (Car Bolsters, Roller Side Bearings, etc.), Com'l Nat'l B'k bldg.; Works, Hammond, Ind.
*†Skillin & Richards Mfg. Co. (Grain Elevator Machinery), 127 Fulton
*§Smeeth's Co., 22d & Western av.
*SMITH, F. P. WIRE & IRON Works (Builders' Iron Work & Iron & Bronze Fdrs.), 100 Lake. (See av. index, end of book)
*Smith & Phillips Mfg. Co. (Woodworking Machinery), 122 N Sangamon. Works, La Grange, Ill.
†Smith, Chas. Co. (Furnaces, etc.), 101 Lake
*Smith, F. H. Mfg. Co. (Harness Machy., etc.), 53 St. Johns ct
*Smurr & Kamen Machine Co. (Wire Crimping, Cutting & Counting Combined Machines, etc.), 97 S. Clinton
*†South Halsted Street Iron Works (Fdrs.' & Bldrs.' Iron Work), 2611 S Halsted
*Specialty Machinery Co., 140 W Lake
*†Sprague Canning Machinery Co. (Canning Machy.), 5 Wabash av. Works, Hoopeston, Ill.
*†Sprague-Davis Iron Works, 42 Michigan
†Standard Architectural Iron Works, 627 Bloomingdale av
*Standard Car Truck Co. (Car & Locomotive Trucks, etc.), Old Colony bldg
*†Standard Forgings Co. (R. R. Forging Specialties.)
*§Star Brass Works (Brass Founders, Whitewash Machines, Finishers, etc.), 9 Jackson boul
*Staver Carriage Co. (Feed Mills, Carriages, etc.), 76th & Wallace
*Stearnes Steel Range Co. (Steel Ranges), 188 Lake
*§Steis, Jno. L. (Brass Fdrs. & Finishers), 3753 S Halsted
*§Stier, Herman, Mfg. Co. (Brass Founders Finishers), 560 N Halsted
*§Street & Kent Mfg. Co. (Brass Fdrs., Plumbers' Brass Specialties), 109 S Jefferson
*Strohm, W. A. & Bro. (Bicycles & Novelties), 588 W Lake
*Strube Machine Works (Machinists, Special Machinery), 455 25th
*†Sullivan Machinery Co., Railway Exch. bldg
*Superior Machine Works (Machinists), 196 W 12th
*Superior Machine & Boiler Works (Machinists), 183 W Superior
*Superior Stove Works (Laundry Stoves), 115 W Superior
Surerus & Greenhill (Milling Cutters, etc.), 109 Racine av
*†Tarrant Foundry Co. (Iron Fdrs., Light & Heavy Grey Iron Castings, etc.), 46 Indiana
*Tarrant, Robt. (Marine Engines, etc.), 56 Illinois
*†Temple Pump Co. (Engines, Pumps & Windmills), 28 W 15th
Templeton, Kenly & Co. (Track Jacks, etc.), 18 Sloan
*Trevander, O. N., & Co. (Dies, Tools, etc.), 173 S. Canal
*§Thomas Bros.' Mfg. Co. (Brass Founders & Hardware Specialties, Finishers, etc.), Fillmore & Rockwell
*Thomas Elevator Co. (Hod Hoisting Machy., etc.), 133 S Hoyne

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*THOMAS & SMITH (Inc.) ("Economy" Hot Air Pumping Engines), 17 S Carpenter. (See adv. index, end of book)
*Tietgen, Falk & Co. (Gas & Electric Fixtures), 79 W Van Buren
*Toles, W. C. Co. (Spiral Machinery & Vises), 2479 N. 42d st., Irving pk
*§Trenkhorst, Frank Mfg. Co. (Brass Fdrs. & Finishers), 67 Larrabee
*Tunelius Machine Co., 232 S. Clinton
*Union Drop Forge Co. (Drop Forging & Machinists), 69 Indiana
*Union Elevator & Machine Co. (Elevators & Machinery), 144 E. Ontario
*UNION FOUNDRY WORKS (Iron Founders & Builders' Iron Work), First National Bank bldg
*Union Special Machine Co. (Sewing Machines), 75 E Kinzie
*†Union Wire Mattress Co., Cherry av. & Black Hawk
*Universal Automatic Type Casting Machine Co. (Type Casting Machines), 97 N. Sheldon, Chicago, Ill.
*Universal Folding Machine Co. (Paper Folding Machines), Old Colony Bldg.
*Van Doren Mfg. Co. (Tool Holders, etc.), 56 W. Van Buren
*†Variety Mfg. Co., Sacramento & Carroll avs
Vaughn & Bushnell Mfg. Co. (Hardware Mfrs.), 885 Carroll av
*†Vierling, McDowell & Co. (Founders & Bldrs.' Iron Work), 23d & Stewart av
*†Vulcan Iron Works (Fdrs. & Machinists, Dredging & Pile Driving Machinery), 28 N. Irving av.
*Watling Mfg. Co. (Coin Operating Machines), 155 W Jackson
*Weber Bros.' Metal Works, 23 S. Jefferson
*†WEBSTER MFG. CO. (Elevating, Conveying & Power Transmitting Machinery), 1075 W 15th. (See adv. index, end of book)
*†§Weir & Craig Mfg. Co. (Steam Specialties, etc.), 2439 Wallace
*†§Welch, E. J., Foundry Co. (Brass & Iron Castings, etc.), 24th pl. & Wallace
*†WELLER MFG. CO. (Elevating, & Conveying, Grain Elevator, Power Transmitting Machinery, etc.), 124 E North av. (See adv. index, end of book)
*Wells, F. C. (Est. of) (Steam Pumps), 116 S Clinton
*Westerlin & Campbell Co. (Refrigerating Machy.), 53 S Clinton
§Western Brass Mfg. Works (Brass & Bronze Hardware, Plumbers' Brass Goods & Brass & Composition Castings), W 21st pl c S Rockwell
*†§Western Electric Co. (Electric Machinery & Specialties), 259 S Clinton
†Western Foundry Co. (Iron Fdrs., Soft Grey Iron Castings), 3634 S Kedzie av
*†Western Steel Car & Foundry Co. (Steel Cars & Castings), Old Colony bldg
*White Bros. (Machinists), 1347 Fulton
†§White Brass Castings Co. (Finished Hand Metal Castings), 527 Austin av.
*Whiting, Geo. Co. (Punching & Shearing Machy.), 156 W North av
*†WHITMAN & BARNES MFG. CO (Agl. Implts., Twist Drills, Wrenches, etc.), West Pullman (See adv. index, end of book)
*Willard Sons & Bell Co. (Steam Forging & Machinists), 98th & Erie av
*§Wilson Hardware Mfg. Co., 107 W. Monroe
*†§WINSLOW BROS. CO. (Builders' Iron & Bronze Work, Iron, Brass & Bronze Castings), 2515 W Harrison. (See adv. index, end of book)
*Wishart-Burge Machine Works, 64 N. Jefferson
*Wold, Torris & Co. (Canners' & Special & Experimental Machy. & Models), 68 N Jefferson
*†Wolf, Fred W. Co. (Ice Making Machy., etc.), 139 Rees
*†§Wolff, L. Mfg. Co. (Iron & Brass Fdrs., Plumbers' Supplies, Cast Iron Pipe & Plumbers' Brass Goods, etc.), 93 W Lake
*Wood, Morris & Sons (Moulding & Carving Machines), 2714 W. Lake
*Wrigley, Thos. & Co. (Printing Presses & Special Machy.), 302 Dearborn
*Yeomans Bros. (Pumps, etc.), Monadnock blk
*Zoeller, Wm. Co. (Machinist), 81 N. Curtis

CHICAGO HEIGHTS — *†§American Brake Shoe & Foundry Co. (Brake Shoes, Steel Castings, etc.), Main Office, Mahwah, N. J.
*†American Car & Equipment Co. (of Chicago)
*Ayer, Fred H. Mfg. Co. (Electrical Appliances, etc.)
*†Bonnet-Nance Stove Co. (Stoves, Ranges, etc.)
*†Canedy, Otto, Mfg. Co. (Anvils, Vises, Forges, Blowers, Drills, etc.)
*†Canedy, A. E. (Pumps, Electrical Specialties, etc.)
*†Chalmers & Williams (See Chicago)
*Funk Bros. (Miners' Tools & Supplies, etc.)
*Inland Steel Co. (See Chicago, Ill.)
†Kennicott Water Softener Co. (Water Softeners, etc.)
*†King & Andrews Co. (Steel Castings & Iron Founders, etc.)
*Phoenix Fire Extinguisher Co. (See Chicago, Ill.)
*†Quaker Mfg. Co. (Hot Air Furnaces & Heaters, etc.)
*Wood, Smith & Co. (Carriage & Wagon Axles, etc.)

CHICAGO RIDGE—*Prince Mfg. Co. (Washing Machines, etc.)
CHILLICOTHE—*Slinn, H. H.
CHRISMAN—*Bonner Mfg. Co. (Pipe Wrenches, etc.)
CISSNA PARK—†Gerald, Michael
CLAYTON—*†Birkett, A. S.
COBDEN—*Ede, Geo. A. (Machinist)
COLLINSVILLE—*†Bernhardt, Niehaus & Co. (Inc.)
*†Blum Mfg. Co. (Stock Bells, etc.)
CONCORD—*Rayborn, J. J.
COULTERSVILLE—†Bouas, E.
DANVILLE—*Chicago & Eastern Ry.
*†§Danville Foundry & Machine Co.
*§Fairweight Standard Scale Co.
*Holmes, Robert & Bros. (Inc.)
DECATUR—*Beall Improvement Co. (Flour Mill Machinery)
*Bold, Wm. M. (Machinist)
*Brett, Wm. P. (Machinist)
*†Central Malleable Iron Co. (Malleable Iron Castings)
*Chambers - Bering - Quinlan Co. (Agl. Implts.)
*Curtis Motor Truck Co. (Car Wheels, Axles & Car Trucks)
*†§Faries Mfg. Co. (Special Machy. & Hdw. Specialties, etc.)
Hartley, C. J. Co. (Machinists)
*§Mueller, H. Mfg. Co. (Drilling & Tapping Machines, Brass Fdrs. & Plumbing Gds)
*†Oakes, W. L. (Engines, Grey Iron Castings, etc.)
*†Union Iron Works (Flour Mill Machy., Corn Shellers, etc.)
*Williams Mfg. Co. (Corn Planters, etc.)
DE KALB—*De Kalb Fence Co. (Wire Stretchers, etc.)
*†Haish, Jacob, Co. (Barb Wire & Agricultural Implements)
*†Smith Mfg. Co. (Implts., Gasoline Engines, etc.)
*†Standard Foundry & Mfg. Co.
*Union Fence Co. (Wire Stretchers, etc.)
DIXON—*Coe, Henry M.
*Clipper Lawn Mower Co. (Gasoline Engines, Lawn Mowers, etc.)
†§Dixon Mfg. Co.
*†Grand Detour Plow Co. (Agrl. Implts., Plows, etc.)
DOLTON'S STATION—*§Knudsen-Von Kothen Mfg. Co. (Valves, etc.)
DOWNERS GROVE—*Dicke Tool Co. (Linemen's Construction Tools, etc.)
DU QUOIN—*†Blakeslee Mfg. Co. (Steam Pumps, etc.)
DWIGHT—*†Spencer, J. A. (Hay Presses, etc.)
EAST MOLINE—*Borg & Beck (Wood Working Machinery)
*Midland Motor Co. (Automobiles)
*Moline Automobile Co. (Automobiles, Motors, etc.)
*†§Moline Scale Factory (Platform & Wagon Scales, etc.)
*†Root & Van Der Voort Engineering Co. (Gas, Hoisting, Stationary Engines, etc.)
†Union Malleable Iron Co. (Malleable Castings)
*†Walsh Brake Shoe & Foundry Co. (Brake Shoes, etc.)
EAST ST. LOUIS—†American Steel Foundries Co. (See N. Y. City)
*East St. Louis Locomotive & Machine Shop Co. (Locomotives & Steam Shovels, etc., Rebuilt)
*†Elliott Frog & Switch Co. (Frog, Switches, Railroad Specialties, etc.)
*†Excelsior Tool & Machine Co.
*†§MacGowan & Finnigan Fdy. & Machine Co. (See St. Louis)
*†Missouri Bridge & Iron Co.
*†§Missouri Malleable Iron Co.
*†National Iron Works (Iron Fdrs.)
*†Pioneer Machine Co.
†Railway Steel Spring Co.
*St. Louis Steam Forge & Iron Works
*†Standard Railway Equipment Co.
*†Symonds Mfg. Co. (Registers)
†Western Forge Co. (See St. Louis.)
EDWARDSVILLE—*†Bignall & Keeler Mfg. Co. (Pipe Cutting, Threading & Shaping Machinery)
*Desmond, M. Mfg. Co.
*Dunstedler, J. (Machinist)
*§Edwardsville Brass Co. (Brass Fdrs. & Plumbers' Brass Goods)
*†Sodemann Heat & Power Co. (See St. Louis, Mo.)
EFFINGHAM—*Alt, Fred
ELDORADO—*†Glasscock & Clark (Fdrs. & Machinists)
ELGIN—§Elgin Brass Foundry Co. (Brass Castings)
*Elgin Brass & Electrical Mfg. Co. (Gas & Electric Fixtures
*Elgin Metal Novelty Co.
*†Elgin Mfg. Co. (Condensed Milk Machinery)
*Elgin National Watch Co. (Watches & Metal Cases)
*Elgin Tool Works (Inc.) (Mach'y. Tools, etc.)
*Elgin Wind Power & Pump Co. (Windmills & Pumps)
*Moseley Lathe Co. (Bench Lathes),
*§Moody Bros. Countershafts, etc.)
†Western Casket Hardware Co. (Casket Hdw., etc.)
*†Woodruff & Edwards Co. (Coffee Mills & Grey Iron Castings, etc.)
EOLA—*†Larimer Mfg. Co. (Hdw. Specialties, etc.)
EVANSTON—*†Comstock, A. S. (Air Pumps, Gas Forges, etc.)
**Mark Mfg. Co. (Artesian & Tubular Well Specialties, etc.)
FAIRFIELD—*Heidinger Machine Works (Machinists)
FILLMORE—*Whitten & Ludewick
FRANKLIN PARK—†Forster, Waterbury & Co. (Malleable Iron Fdrs.)
FREEPORT—*†§Arcade Mfg. Co. (Light Grey Iron Castings & Hardware Specialties)
§Freeport Brass Foundry
*†Freeport Gas Machine Co. (Gas Engines, etc.)
*†Freeport Windmill & Gas Engine Co. (Gasoline Engines, Grey Iron Castings, Windmills, etc.)
*Hoefer Mfg. Co. (Machine Tools, etc.)
*Johnson Bros. (Wrenches, etc.)
*Kochsmeier, H. P. (Machinists)
†Lamb & Co. (Flour & Feed Mills)
*Ritchie & Lukemann
*Schofield & Co. (Potato Diggers, etc.)
*†Severance Gas Machine Co. (Gas Machines, etc.)
*†Stover Engine Works (Inc.) (Gasoline Engines, etc.)
*†Stover Mfg. Co. (Hdw. Specialties, Windmills, Pumps & Light Grey Iron Castings, etc.)
*†§Woodmanse Mfg. Co. (Pumping & Power Steel & Wooden Windmills & Iron & Brass Fdrs.)
FULTON—†Mississippi Valley Stove Works (Stoves, etc.)
GALENA—*Cleveland & Pitcher (Ore Separators, etc.)
*†§Galena Iron Works Co. (Iron Founders & Mining Machinery, etc.)
*†Westwick, Jno., & Son (Machinists & Fdrs.)
GALESBURG—*Chicago Writing Machine Co. (Typewriters, Adjustaphones, etc.)
*†§Colton, G. D. & Co. (Agricultural Implts., Feed Mills, Hay Presses, etc.)
*†Frost Mfg. Co. (Steam Engines, Boilers, Dry Pans, etc.)
*†Galesburg Coulter Disc Co. (Agl. Implts.)
*†Galesburg Machine Works (Machinists)
†Galesburg Malleable Castings Co. (Malleable Iron Castings)
*May Bros. (Windmills, etc.)
§Merrick, J. A.
*†Walton-Van Huffel Mfg. Co. (Foundry Machy., etc.)
*†Wenzelmann Mfg. Co (Farm Elevators & Wagon Dumps)
GALVA—*†Collinson, Frank J. (Fdry. & Machinists)
*†Hayes Pump & Planter Co. (Pumps, Cultivators, Planters, etc.)
*†Mulford Heater Co. (Steam Heaters & Corn Planters)
*†Wistrand Mfg. Co. (Pumps, Corn Planters, etc.)

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GENOA—*Eureka Electric Co. (Telephones, etc.)
GENEVA — *†Burgess-Norton Mfg. Co. (Hdw. Specialties, etc.)
*†Geneva Foundry & Machine Co.
*†Howell, W. H. Co. (Sad Irons, etc.)
GIBSON CITY—*†Gibson Iron Works (Radiators & Iron Fdrs.)
*Roth & Augspurger (Heavy Machy., etc.)
*Roth, Yoder & Co. (Heavy Machy., etc.)
GRAFTON—*Rippley Hardware Co. (Steam Feed Cookers, Sprayers & Metal Boats)
GRANITE CITY—*†American Steel Foundries (Steel Cars, Trucks & Castings). (See Chicago, Ill.)
*†Commonwealth Steel Co. (Steel Castings, Car Tracks, etc.). (See St. Louis, Mo.)
*Hoyt Metal Co.
*†National Enameling & Stamping Co. (See New York City)
GREENVILLE—*Kruger, P. J. (Machinist))
HARVARD—*†Hunt-Helm-Ferris & Co. (Haying Tools, etc.)
HARVEY—*†American Stove Co. (of St. Louis), Stoves, Steel Ranges, etc.)
*†Austin Mfg. Co. (See Chicago.)
*Bliss & Laughlin (Key Seating & Shafting)
*†§Buda Foundry & Mfg. Co. (R. R. Specialties)
*†Calumet Engineering Works (Complete Foundry Equipment, Cranes, Hoists etc.)
†Enterprise Foundry Co.
†Koch Bros.
*†WHITING FOUNDRY EQUIPMENT Co. (Fdry. Equipments, Electric Cranes, etc.) (See adv. index, end of book)
HAVANA—*Crescent Forge & Shovel Co. (Shovels, etc.)
*†Havana Mfg. Co. (Gas Engines, etc.)
*†Havana Metal Wheel Co. (Metal Wheels, Plow Shares, Cultivators, Shovels, etc.)
*†McFadden Mfg. Co. (Gasoline Engines, etc.)
*Schmidt & Harsman
HIGHLAND—*Leutwiler Bros. (Machinists)
HINCKLEY—*Davis, L. E.
*HOOPESTON—Malleable Iron Works
*†Sprague Canning Machinery Co. (See Chicago)
HOOPPOLE—*Goembel, H. S.
JACKSONVILLE—†Bambrook, A. W.
*Illinois Steel Bridge Co.
*†C. P. & St. Louis Railway Shops
*Kellogg Bros. & Co. (Machinists)
JOLIET—*Adams Steel & Wire Works (Archl. Iron Work, etc.)
*†Bates Machine Co. (Steam Engines & Wire Mill Machy., etc.)
*†Buckeye Engine & Foundry Co. (Gas & Gasoline Engines, etc..
*†Champion Machinery Co. (Bakers' Machinery, etc.)
*Ditto, G. M. (Agrl. Implements)
*Falker, Wm. (Bakers' Machy., etc.)
*Hardy, Wallace L. (Machinist)
†Holsworth, Edwin A.
*†Humphrey & Sons (Agrl. Implts., Iron Fdrs. & Machinists, etc.)
*†Illinois State Prison
*†§Illinois Steel Co. (See Chicago)
*Joliet Bridge & Iron Co.
*†Joliet Mfg. Co. (Corn Shellers, etc.)
*Monahan Bros. (Inc.)
*†Moore Bros. Co. (Stoves, etc.)
*†§Pratt, Wm. E. Mfg. Co. (See Chicago)
*Taylor Husker & Shredder Co. (Huskers & Shredders, etc.)
*Van Fleet Mfg. Co.
Western Steel Car & Foundry Co. (See Chicago, Ill.)
KANKAKEE—*†Beaumont, Richard (Valves.
†Kankakee Foundry Co. Hydrants, etc.)
†Kankakee Mfg. Co. (Grey Iron Castings)
*Pratt, Edwin
*Soper, Geo. E.
*Tait Mfg. Co. (Machy., etc.)
KEWANEE—*Demmler, Wm. & Bros. (Foundry Plant Machy., etc.)
*†KEWANEE BOILER CO. (Heating Apparatus.) (See adv. index, end of book)
*†Peters Pump Co. (Agrl. Implts., Pumps,
LADD—*Erickson, Andrew L. etc.)
*†§National Tube Co. (See Pittsburg, Pa.)
LA GRANGE—*†Smith & Phillips Mfg. Co. (Woodworking Machy.)
LA SALLE—*La Salle Machine & Tool Co. (Surface Grinders, etc.)
*Western Clock Mfg. Co. (Clock Mfrs.,
LEROY—*Jones, Chas. D. (Machine) etc.)
LIBERTYVILLE — *Laycock, Wm. Co. (Engines, etc.)
LINCOLN—*Cottingham, Wm. S.
*†Iles, Edw. (Foundry)
*Mohn, H. & Son (Machinists)
*Moos, Jno., Sr.
LITCHFIELD—*†American Radiator Co. (See Chicago)
*†§Litchfield Fdry. & Machine Co. (Machinery & Grey Iron Castings)
LOCKPORT—*†Barrows Lock Co. (Bldrs.' Hardware & Specialties)
McHENRY—*Engeln, M. & Son
MACOMB—*†Fisher, Arch. (Fdry. & Machinist)
MADISON—*†American Car & Foundry Co. (See St. Louis, Mo.)
MARENGO—*†Marengo Foundry & Machine Co. (Gas Engines, etc.)
MARION—*†Crain, Benj. (Machinist & Fdry.)
MAROA—*†Maroa Mfg. Co. (Agrl. Implts., Cultivators, Car Loaders, etc.)
MARSEILLES—*Goodell, J. H. & Son
*†Marseilles Mfg. Co. (Agrl. Implts., etc.)
*Marseilles Harrow Mfg. Co. (Harrows, etc.)
MARTINSVILLE—*Rowe, M. A. (Machinist)
MASON CITY—*Heckman & Co. (Machinists)
MATTOON—*†Chuse Engine & Mfg. Co. (Engines, Fdrs., Machinists, etc.)
*Thatcher, Jas. A. & Sons
MAYWOOD—*†Featherstone Fdry. & Machine Co. (See Chicago)
MELROSE PARK—*†Featherstone Fdry. & Machine Co. (See Chicago)
*†Latrobe Steel & Coupler Co. (See Chicago, Ill.)
MENDOTA—*Black Bros.' Machinery Co.
*†§Mendota Mfg. & Transfer Co.
*†Tower, J. D. & Sons Co. (Agrl. Implts.)
MOLINE—*†Barnard & Leas Mfg. Co. (Flour Mill & Grain Elevator Machy.)
*Central Machine & Metal Co.
§Chicago, Rock Island & Pacific Ry. Shops
*†Cooper, H. W. (Saddlery, Hdw. & Grey & Malleable Iron Castings)
*†Deere & Co. (Inc.) (Agrl. Implts.)
*†Deere & Mansur Co. (Agrl. Implt. Mfrs.)
†Moline Foundry Co. (Grey Iron Castings)
*†Moline Plow Co. (Agrl. Implts., Plows, etc.)
*†Moline Pump Co. (Pumps, Gas Engines, etc.)
*Moline Tool Co. (Gang Drills & Speed Lathes)
*Ostlund Garage & Machine Shop
*§Schmidt, Henry (Brass Fdry & Finishers)
*§Schmidt, Joseph (Brass Fdry.)
*Sechler, D. M. Carriage Co. (Carriages & Agrl. Implts.)
*†Williams, White & Co. (Inc.) (Heavy Machy.)
MONMOUTH—*†McIntosh Fdry. & Machine Co.
*Milne Mfg. Co. (Stump Pullers, etc.)
*†Monmouth Plow Co. (Plows, Cultivators, Harrows)
*†Pattee Plow Co. (Agrl. Implts., Plows, etc.)
MORRIS—*†Coleman Hardware Co. (Door Hangers & Bldrs., Hdw., etc.)
*Ferguson, C. D.
*†Nickel Mfg. Co. (Hdw. Specialties & Grey Iron Castings)
MOUNT CARMEL—*West & Hall
MOUNT CARROLL—*Kneale & Kessler
MOUNT VERNON—*†Mount Vernon Car Mfg. Co. (Cars, Car Wheels, Castings, etc.)
MURPHYSBORO—*Fisher Slack Adjuster & R. R. Equipment Co.
*†Southern Illinois Machine & Fdry. Co. (Mine Ventilating Fans, etc.)
NAPERVILLE—*Goetsch, Frank S. & Son (Plows, etc.)
NEW ATHENS—*†Auto Stove Works (Stoves, etc.)
NOKOMIS—*Kramer & Elvers (Machine Shop)
NORTH AURORA—*Sperry, D. R. & Co.
NORTH CHICAGO—*Chicago Hardware Co. (Hardware Mfrs.)
*†§Chicago Hardware Fdry. Co. (Light Grey Iron, Brass & Aluminum Castings, etc., Gas Engines, etc.)
*Nagel Gas Engine Co. (Gas Engines)
*North Chicago Machine Co. (Gas Engines, etc.)
*Practical Gas Construction Co. (Gas Works Machinery, etc.)
O'FALLON—*†§Willard, Wm. G. (See St. Louis, Mo.)
OLNEY—*Remy, N. T. (Machinist)
OREGON—*American Lock Nut Co. (Lock-Nuts, etc.)
*Barden, J. A.
*†Oregon Fdry. & Mach. Co. (Molding Machines)
OTTAWA—*American Hdw. Mfg. Co. (Cream Separators, etc.)
*King & Hamilton Co. (Agrl. Implts., etc.)
*†Knowles, W. H. (Builders' Iron Work & Castings)
*†§Porter, J. E. Co. (Pumps, Haying Tools & Iron & Brass Castings)
PANA—*Progressive Mercantile & Mfg. Co. (Novelties, Hdw. Specialties, etc.)
PARIS—*†§McGuire-Cummings Mfg. Co. (See Chicago)
*†Reese, F. W. Foundry & Machine Co.
*Robertson, J. L., Machine Co.
PEKIN—*§Duesdieker Fdry. & Mfg. Co.
*†Pekin Engine & Machine Co.
*†Pekin Hdw. Co. (Hdw. & Farm Machy.)
PEORIA—*†Acme Harvesting Machine Co. (Agrl. Implts.)
*Armstrong, Jas. C. Foundry & Machine Co.
*†Avery Co. (Agrl. Implts., Engines, Cultivators, Stackers, etc.)
*§Bartholomew Co. (Coffee & Peanut Roasting Machines & Automobiles)
*§Brass Foundry & Heating Co. (Brass Fdrs. & Machinists)
*†Cody, Joseph & Sons (Iron Fdrs., Boilers, etc.)
*†Colean Mfg. Co. (Threshing Machy., Traction Engines, etc.)
*†Culter & Proctor Stove Co. (Stoves, etc.)
*Engel, J. A. & Co. (Agrl. Implts.)
†Excelsior Foundry Co. (Grey Iron Castings)
*Hagerty Bros.
*†§Hart Foundry Co.
*Hart Grain Weigher Co
*Herschel, R. Mfg Co (Agrl Implts)
*Illinois Electrical Mfg. Co.
*†Kingman Plow Co. (Agrl Implts, Plows, etc.)
*§Kinsey & Mahler Co. (Steam Specialties & Brass Fdrs.)
*†Lucas, Adam & Sons (Iron Fdrs., Builders' Iron Work and Machinists)
*McAleenan Boiler Co (Boiler Makers' Machinery)
*Marcus, Jas. V. (Machinist, Blacksmith, Forging, etc.)
*Meyer Furnace Co. (Hot Air Furnaces & Founders, etc.)
Nichols & Shepard Co. (See Battle Creek, Mich.)
†O'Rorke & Co. (Iron Founders)
*Oltmanns, Schmidt & Co. (Ornamental Iron Work, Blacksmith, Machinist, etc.)
*†Peoria Drill & Seeder Co. (Grain Drills, etc.)
†Peoria Foundry Co (Iron Fdrs, Bldrs' Castings, etc.)
*Schneider, Jno & Co (Machinists)
*Smith, E. M. & Co.
*Struthers, R. F. (Lightning Rods, etc.)
*Tichenor, F. C. (Tools, etc.)
*Turnbull, W.
*Wantling Mfg. Co. (Coal Drills)
*†Western Stove Works (Furnaces, Stoves
*Whittemore, C. & Son & Ranges)
*Wright Machine Co (Threshing Machines, Saw Mills, Etc.)
PERU—*†Brunner, Chas. (Gas Engines, Scales & Castings)
*Peru Plow & Wheel Co. (Agrl. Implts., Plows, etc.)
PINCKNEYVILLE—*†Eaton Plow Works (V. A. Stookey & Son, Props. (Plow Mfrs. etc.)
PLANO—*†Independent Harvester Co. (Agricultural Implts., Iron Castings, etc.)
*†Sears, A. H. Co. (Agrl. Implts., etc.)
PONTIAC—*†Spartan Mfg. Co. (Grey Iron Castings, Feed Mills, etc.)
PRINCETON—*Evans, Coppins & Starks Co. (Ball Bearing Axles, etc.)
PROPHETSTOWN—*Eclipse Lawn Mower Co. (Lawn Mowers, etc.)
QUINCY—*Barmier, B. (Machinist)
*†Bush, Clement (Metal Wheels, etc.)
*†§Central Iron Works (Tumbling Mills, Castings, etc.)
*Chadwick & Son (Jobbing)
*†Channon-Emery Stove Co. (Stoves, etc.)
*Collins Plow Co. (Agricultural Implts.)
*†Comstock-Castle Stove Co. (Stoves & Ranges)
*†ELECTRIC WHEEL CO. (Metal Wheels, Cars, Carts, etc.). (See adv. index, end of book)
*Empire Mfg. Co. (Metal Wheels)
*Ertel, Geo. Co. (Hay Presses, etc.)
*†Excelsior Stove & Mfg. Co. (Stoves & Ranges)
*†§Gardner Governor Co. (Air Compressors, Pumps, etc.)
*†Gem City Stove Mfg. Co. (Stoves, Heaters
*Greenleaf, C. M. (Jobbing) & Furnaces)
*Hollister-Whitney Co. (Elevators, Power Transmission, etc.)
*Kurz, J. & W. (Engines, etc.)
†Lahan Stove & Mfg. Co. (Stoves, etc.)
*†Leader Foundry Co. (Grey Iron & Bldrs.' Castings)

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*†LITTLE, J. R. METAL WHEEL Co. (Steel Wheels for All Purposes). (See adv. index, end of book)
*Massie, S. B. & Son (Machinists)
*†Modern Iron Works (Plumbers' Cast Iron Specialties, Pumps, etc.)
*†Quincy Corn Planter Co. (Agrl. Implts., etc.)
*Quincy Elevator Gate Co. (Elevator Gates, etc.)
*Quincy Enameling & Foundry Co.
*†Quincy Foundry & Novelty Co. (Stoves,
*†Quincy Stove Mfg. Co. (Stoves) etc.)
§Reese, W. J. Brass Fdry.
*Sharp & Becker Machine Co. (Presses, Dies, etc.)
*†Sheridan Stove Mfg. Co. (Stoves)
Stahl, Wm. Co. (Metal Wheels, etc.)
*§Van Dorn Co. (Ornamental Iron & Brass Work & Brass Castings)
*†White, Thos. Stove Co. (Stoves)
*Wiebmer, Anton
*Williamson, L. C.

ROBINSON—*Warren Machine Co. (Oil Well Machinery, etc.)

ROCHELLE—*†Billmire Bridge & Iron Works Co.
†Whitcomb, Geo. D., Co. (Mining Machy., Stopcock Valves, etc.)

ROCK FALLS—*Eureka Co. (Working Machines)
*†International Harvester Co. (Keystone Works). (See Chicago)
*†Sterling Mfg. Co. (See Sterling, Ill.)
*Ulrich Mfg. Co. (Agrl. Implts.)

ROCKFORD—*†America Heating Co. (Heat-
*Andrews Wire & Iron Works ers, etc.)
*Automatic Lock Nut Co. (Lock-Nuts)
*†Barnes, W. F. & Jno. Co. (Mach. Tools & Woodworking Mach'y)
*Burson Mfg. Co. (Knitting Machines)
*Dickenson, H. G. (Jobbing Machinist)
*§Dobson Mfg. Co. (Creamery Supplies & Brass Castings)
Eclipse Gas Stove Co.
*†Emerson Mfg. Co. (Agrl. Implts., Mowers, Plows, Cultivators, etc.)
*Forest City Bit & Tool Co
*†Greenlee Bros. & Co. (See Chicago)
*†Illinois Sewing Machine Co. (See Chicago)
*Ingersoll Milling Machine Co (Mach Tools)
*†Love, M. A. Mfg Co (Pumps, Fdrs & Machinists)
*Marsh, H. C. Co. (Mitre Machines, etc.)
*Mechanics Machine Co. (Machine Tools)
†National Lock Co. (Locks, etc.)
*Redin, Eckstrom & Co.
*Redin, Jno E. (Light Mach'y & Tools)
*§Rockford Brass Works (Plumbers' Brass Goods, etc.)
*†Rockford Drilling Machine Co.
*†Rockford Engine Works (Inc.) (Gasoline Engines, etc.)
*†Rockford Machine Tool Co. (Machine Tools, etc.)
*†Rockford Malleable Iron Works (Inc.)
*†Rockford Mfg Co (Agrl Implts, Plows,
*Rockford Tool Co. Harrows, Etc.)
*Rockford Watch Co. (Watches, etc.)
*†Rockford Well Drill Co. (Well Drilling Mach'y)
*Savage & Love Co. (Gas & Gasoline Engines, etc.)
*Spengler Bros. Co. (Machinists)
*†Trahern Pump Co (Pump Mfrs, Etc.)
*†Union Foundry & Machine Co. (Grey Iron Castings, etc.)
*†Ward Pump Co. (Pumps, Hydraulic Rams & Castings, etc.)
*Woodward Governor Co. (Water Wheel Governors, etc.)

ROCK ISLAND—*Adams, Otto (Tools, Dies,
*Davis, Thomas B. etc.)
*Electric Construction & Machine Co.
*†Kuhner Engine & Machine Co. (Gasoline Engines)
*†§Mager, S. A., Mfg. Co. (Arch'l, Iron Work, Brass & Grey Iron Castings & Machinists)
*Rock Island Machine Shop
§Rock Island Metal Foundry (Aluminum, Brass & Bronze Castings)
*†Rock Island Plow Co. (Plows, Cultivators, Harrows, Planters, etc.)
*†Rock Island Stove Co. (Stove Mfrs.)
*†Rock Island Tool Co. (Grey Iron Castings, Bench Vises, etc.)
*Schott, Wm. G.
*Twin City Die & Tool Works
*§U. S. Arsenal (Fdry. Dept.)
*†Walsh Brake Shoe & Foundry Co.

ROSELLE—*Becker & Leiseberg

RUSHVILLE—*Rushville Machine & Wagon Co
ST. CHARLES—*§Crown Electrical Mfg. Co. (Chandeliers, Bicycle Chains, etc.
*Doig File Co. (Files, etc.)
†Faultless Mfg. Co. (Steel Ranges, etc.)
*†§Glenn Mfg. Co. (Soil Pipe, etc.)
*Leader Fence Machine Mfg. Co.
†Moline Malleable Iron Co
*Switzer, W. R. (Machinist)

SALEM—*Merz, N., & Son.

SANDWICH—*†Enterprise Windmill Co.
*Estep & Dolan (Angle Benders, etc.)
*Sandwich Electric Co. (Electrical Specialties)
*†Sandwich Mfg. Co. (Agrl Implts, Harvesters, Mowers, etc.
*Sandwich Pole-Changer Co. (Electrical Instruments, etc.)

SAVANNA—*Stransky & Oyster (Agl. Implts.)

SENECA—*Shaw's, J. L. Sons (Machinists)

SHAWNEETOWN—*†Quick, James A.

SHELBYVILLE—*†Shelbyville Machinery Co.
*†Sturgis, W. B. & Son (Plows, etc.)

SHELDON—*Harris, F. F.

SIDELL—*Cross, Chas. E.

SOMONAUK—*California Windmill Co.

SPARTA—†Crothers, F. R. & Co. (Sparta Plow Works) (Plows, Harrows, etc.)
*Little Giant Punch & Shear Co. (Punches,
*§Sproul, Matt. Shears, etc.)

SPRINGFIELD—*†Aetna Fdry. & Mach. Co. (Power Transmitting Machinery, Cast-
*Ansell, Oscar (Machinists) ings, etc.)
*Bieser, Jacob (Machinist)
†Farris, Joseph
*Fetzer & Co. (Agl. Implts., etc.)
*Hass, R., Electric & Mfg. Co. (Electrical Supplies, etc.)
*Heineke & Co. (Inc.) (Straw Stackers, etc.)
*†Ide, A. L. & Sons (Steam Engines, etc.)
*Illinois Watch Co. (Watches, etc.)
*Musaillon, J. A., & Bro.
*Otto & Scherf.
*†Racine Sattley Co. (Vehicles, Agrl. Implts., etc.)
*†Sangamon Electric Co. (Water Meters)
*†§Springfield Boiler & Mfg. Co. (Dredging Mach'y)
*†Springfield Bridge & Iron Co.
*Springfield Harrow Co.
*Young Bros.

STERLING—*Bauder, Ervin (Machinist)
Breiding Gas Machine Co. (Gas Machines, etc.)
*Carolus Mfg. Co. (Bolt & Nut Cutters)
*†Charter Gas Engine Co (Gas Engines)
*Harrison Mfg. Co. (Corn Planters, etc.)
*†Lawrence Bros. (Door Hangers, Hardware, etc.)
*Meister & Cochran (Radiators, etc.)
*National Mfg. Co. (Hardware Specialties, Door Hangers, etc.)
*†Novelty Iron Works.
†Sterling Foundry Co.
*†Sterling Mfg. Co. (Agrl. Implts.)

STREATOR—*Alliance Mfg. Co. (Agrl. Implts.)
*G. & D. Mfg. Co. (Hardware Specialties,
*Graves, L. L. etc.)
*Superior Co. (Machinery, etc.)

SYCAMORE—*†§Turner Brass Works (Vending Machines, Castings of all kinds, Brass Specialties, etc.)

TAMPICO—†West, De Witt

TAYLORVILLE—*Baughman, S. E. & Sons (Agrl. Implts.)
*Hollis, N. F. (Machinist)

TINLEY PARK—*Boldt, George

TRENTON—*Lentwiler, John H.

URBANA—*†C. C. C. & St. Louis R. R. Shops
*†§Leavitt Mfg. Co. (Cattle Dehorners, Lawn Mowers, etc.)

VANDALIA—*†Craycroft, Benj. (Brick Machy. & Fdry.)

VAN ORIN—*Zimmerline, (Pumps, etc.)

VERMILION—*Downing, Thos. D. & Co.

WATSEKA—*†Henderson, Wm.

WAUKEGAN—*†American Steel & Wire Co. (See Chicago, Ill.)
*Chicago Recording Scale Co. (Piano Motors, Novelties, etc.)
*Hall Gas Engine Mfg. Co. (Gas Engines.
*Nelson, Nicholay etc.)
*§Northern Brass Mfg. Co.
*†§Thomas Brass & Iron Co. (Iron & Brass Founders & Steam Specialties)
*†Wright, Wm. (Fdy & Machinist)

WAVERLY—*Rodgers, H. J. (Machinist)

WEST CHICAGO—*†American Heater Mfg. Co.
*Chicago Crossing Co. (Crossings, etc.)

WINTHROP HARBOR—*†Willard, Chas. P. & Co. (Marine Engines, etc.)

WOODSTOCK—*Abbott & Hollister
*Griebel, E. G. (Machinists)
*Oliver Typewriter Co. (See Chicago)

XENIA—*Peirce, Jno A. (Machinist)

INDIANA.

ALEXANDRIA—*†American Steel Wheel Co. (Steel Wheels, etc.)

ANDERSON—*Anderson Bridge & Scraper Co. (Road Scrapers, etc.)
*Anderson Computing Scale Co. (Computing Scales, etc.)
*Anderson Forging Co. (Carriage Hdw., etc.)
*†Anderson Foundry & Machine Works (Tin & Brick Machinery & Castings)
*Anderson Knife & Bar Co.
*Anderson Tool Co.
*†Buckeye Mfg. Co. (Engines, etc.)
*Hardware Specialty Mfg. Co. (Hdw. Specialties, etc.)
*†§Hill Machine Co. (Pumping Machinery)
*Hill Standard Mfg. Co. (Lathe Dogs, Key-Seating Machines, Tool Holders, etc.)
*Jenney Electric Mfg. Co. (Dynamos & Motors)
*Lambert Gas & Gasoline Engine Co. (Engines & Well Machinery, etc.)
*§Laville Foundry Co. (Brass Fdrs)
*National Wrought Iron Annealing Box Co.
*Rahn, Carpenter Co. (Machine Tools, etc.)
*Reliable Machine Co. (Machinists)
†Remy Electric Co.
*Reynolds Gas Regulator Co. (Gas Regu-
*Westerfield Motor Co. lators)

ANGOLA—*†Angola Engine & Foundry Co.
*†Cary, Chas. (Machinist & Founder)

ARGOS—†Indiana Tank Heater Co. (Tank Heaters, etc.)

ATTICA—*Attica Bridge Co. (Bridge & Steel Structural Work, etc.)
*†National Car Coupler Co. (See Chicago, Ill.)

AUBURN—*Standard Mfg. Co. (Cigar Lighters, Cheese Cutters, etc.)
*Zimmerman Mfg. Co. (Windmills, Pumps, etc.)

AURORA—*Aurora Tool Works (Milling Machines, Upright Drill Presses, Etc.)
*Cheek, M. B.
*Stamm Machine Works (Stave Rejoiners & Woodworking Machinery)
*†Stedman's Foundry & Machine Works (Crushing & Pulverizing Mach'y)

BATESVILLE—*Brummer, Fred (Machine Shop)

BEDFORD—*†Bedford Fdry & Machine Works

BERNE—*Moser, A. J. & Co. (Inc.)

BLOOMFIELD—*†Bloomfield Mfg. Co.
*Star Jack Co. (Jacks, etc.)
*Union Jack Co. (Jacks, etc.)

BLOOMINGTON—*†§Seward & Co.

BLUFFTON—*†Bluffton Mfg. Co. (Corn Planters, Washing Machines, etc.)
*†§Grimes, Geo. W., Co. (Engines & Fdry, etc.)
*†§Red Cross Mfg. Co. (Windmills, Well Tools, etc.)

BOONVILLE—*†Boonville Foundry & Machine Co.

BRAZIL—*†Crawford & McCrimmon Co. Mining Mach'y. Castings, etc.)
*Shaw, Wm. M., Co. (Machinists)

BREMEN—*†Holland Radiator Co. (See Chicago, Ill.
*May, William (Machinist)

BUTLER—*†Butler Co. (Windmills, Wind Engines, etc.)

CAMBRIDGE CITY—*†Bertsch & Co. (Punching, Shearing, & Sheet Metal Workers' Mach'y)
*National Drill Co. (Cultivators, Grain Drills, etc.)
†Schaefer, Casper (Gas Stoves, etc.)
*†Scott Stove & Furnace Co.

CANNELTON—*†Cannelton Iron Works

CARTHAGE—*Butler Mfg. Co.

CICERO—*Arduser, Chris.

COLUMBIA CITY—*Columbia City Machine
*†Lawrence, John F. Works

COLUMBUS—*Benfield Bros.
*†Caldwell & Drake Iron Works (Iron Fdrs. & Bldrs. Iron Work)
*Columbus Machine Works
*Keller, C. M. (Coal & Coke Crushers, etc.)
*†§Reeves & Co. (Agrl. Implts., Saw Mills, etc.)

CONNERSVILLE—*Ansted Spring & Axle Co. Carriage & Wagon Axles & Springs, etc.)
*†Connersville Blower Co. (Pumps, Rotary Blowers, etc.)

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*†Root, P. H. & F. M. Co. (Pumps & †Smith Stove Co. Rotary Blowers, etc.)
*§Stant, Geo., Machine Works
*Triumph Safe & Lock Co.
*†Wainwright, W. W. (Fdry & Machinist)
CONVERSE—*†Fink, A. W.
CRAWFORDSVILLE — *†Birch & Birch (Speed Drills, Match Box Machinery, etc.)
*†Lyle & Reynolds
DECATUR—†Decatur Furnace Co.
*†Van Camp, Anson (Flour Mill Machinery)
*†§Van Camp Foundry & Machine Works (Grey Iron Castings, etc.)
DELPHI—*Delphi Machine Co.
DUBLIN—*Morgan, E. S. (Machinist)
DUNNINGTON—*Metzinger, J. H. (Gas Engines)
DYER—*Batterman, Henry C. gines, etc.)
EAST CHICAGO—†Davison Foundry Co. (Light & Heavy Grey Iron Castings, etc., Manhole & Conduit Covers, Catch Basins, etc.)
*†Famous Mfg. Co. (Hay Presses & Gasoline Engines)
*†Goodman Mfg. Co. (Electric & Mining (Machinery, etc.). (See Chicago, Ill.)
*Graver, Wm. Tank Works
*†Green Engineering Co. (See Chicago, Ill.)
ELKHART—*Angildile Computing Scale Co. (Scales)
*Automatic Heat Regulator Co. (Heat Regulators, etc.)
*†§Buescher Band Instrument Co. (Special Machy., Brass & Aluminum Castings, Dies, etc.)
*Cable Machine & Tool Co. (Repairs, etc.)
*§Chicago Telephone Supply Co. (Telephone Supplies)
§Conn, Chas. G., Co. (Band Instruments)
*Davis Acetylene Co. (Gas Machines, etc.)
*§Elkhart Brass Mfg. Co. (Brass Goods for Fire Departments, Plumbers, etc.)
*Elkhart Bridge & Iron Co.
*Foster-Kimball Mach. Co. (Lathes, etc.)
*†Forward Bros.
*General Mfg. Co. (Bag Printing & Special Mach'y, etc.)
*†Kelley, Edw., Foundry Co. (Iron Fdry.)
*Kuhlman Elec. Co. (Electrical Specialties)
*†§L. S. & M. S. Ry. Shops
§Northern Indiana Brass Works (C. Schweitzer, Prop.)
*Noyes Carriage Co. (Agrl Implts & Carriages)
*Printers Machinery Co. (Printing Mach'y, etc.)
*Strubler Computing Scale Co. (Computing Scales)
*Warren, G. E.
*Waterson, Jordan Machine Co.
ELWOOD—*†Dawson, Chas. (Machinist & Founders)
*†Elwood Iron Works
*Elwood Lawn Mower Co. (Lawn Mowers)
EVANSVILLE—†Advance Stove Works (Stoves, etc.)
*Bernardin Bottle Cap Co. (Bottlers' Machinery
*†Blount Plow Works (Agrl. Implts., Plows, etc.)
*†Carmody, J. D. (Boilers, Steam Heaters, etc.)
†Crescent Stove Works (Stoves, etc.)
§Evansville Brass Works
†Evansville Metal Bed Co.
*†Evansville Pump Mfg. Co. (Pumps, etc.)
*†Evansville Stove Works (Stoves, Ranges & Hollow Ware)
*†Evansville Tool Works (Axes, Hammers, Picks & Castings, Steel)
*†Grote Mfg. Co. (Iron Fdrs., Bldrs., Iron Work, etc.)
*†Hartig-Becker Plow Co. (Plows, Cultivators, etc.)
§Healey, Peter (Brass Fdry.)
*†Heilman Machine Works (Engines, Saw Mills, Threshers, etc.)
*†§Holtz, Ferd, Co. (Iron Fdry., Saw Mills, etc.)
*†Indiana Stove Works (Stoves, Ranges & Hollow Ware)
*†Meeker, Geo. L. & Co. (Iron Fdrs & Bldrs
*§Nehring, Wm. H. & Co. Iron Work)
§Peerless Tank & Seat Works
*Smith, John C., Hoe & Tool Co. (Agrl. Implts., etc.)
*†Southern Stove Works (Stoves, Ranges & Hollow Ware)
*†Vulcan Plow Co. (Plows, etc.)
FERDINAND—*†§Kitten, Joseph F. (Thresh-
FORT BRANCH—*†Lintz Bros. ers, etc.)
FORT WAYNE—*Adams-Taylor Machine Co.
*†§Bass Foundry & Machine Co (Corliss Engines, Forgings, Iron & Steel, Castings, Gray Iron, Car Wheels, Etc.)
*BOWSER, S. F. & CO. (Oil Tanks & Pumps, etc.) (See adv. index, end of book)
†Central Foundry Co. (Window Weights, etc.)
*§Fort Wayne Electric Works (Dynamos, Motors, etc.)
*†Fort Wayne Foundry & Machine Co. (Engines, Saw Mills, etc.)
§Fort Wayne Smelting & Refining Co.
*Fort Wayne Windmill Co. (Windmills, etc.)
*Haberkorn Engine Co. (Gas Engines)
*Hanna Brackenridge Co. (Machinists)
§Hattersley, A., & Sons
*Horton Mfg. Co. (Agrl. Implts., Corn Planters, etc.)
*Indiana Road Machine Co. (Road Making Machinery, etc.)
*†Kerr-Murray Mfg Co. (Gas Works Apparatus & Mac
*†Knott-Van Arnam Mfg Co. (Plumbers' Supplies, etc.)
*§Kunkle, E. B. & Co. (Brass Fdrs. & Machinists, Safety Valves, etc.)
†§Menefee Foundry Co. (Iron Fdrs.)
*Stenger, Peter
*Wayne Oil Tank & Pump Co.
*†Western Gas Construction Co. (Gas Works Apparatus & Mach'y)
FOWLER — *Navity-Sleeper Co. (Ignition Magnetos, etc.)
FRANKFORT—*Eldridge & Smith (Machinists)
*Model Machine Works (Machinists)
*†Toledo, St. Louis & Western Ry. Shops
*†Wallace Mfg. Co. (Brick & Drain Tile
FREMONT—*Ewing, James Mach'y)
GARRETT—*Garrett Machine Works (Gas Engines, etc.)
GAS CITY—*†§American Sheet & Tin Plate
*Indiana Edge Tool Co. Co.
GENEVA—*Cross, W. D.
GOSHEN—*American National Machine Works
†American Register Co.
*†Goshen Motor Works (Gasoline Engines, Launches, etc.)
*§Harwood, L. A. (Brass Foundry)
*†Kelly Foundry & Machine Co. (Boiler Fronts, Grate Bars, etc.)
*National Dairy Machine Co. (Dairy Machinery, etc.)
*†Thomas-Albright Co. (Hydraulic Presses)
GREENCASTLE—§Cole Bros. Lightning Rod
GREENFIELD—*†§Abbott, J. R. Co.
GREENSBURG—*†Hilland, W.
*Luchte & Bowman Co.
GRIFFITH—*†§Potter, B. B. (Hardware Specialties, etc.)
HAGERSTOWN—*†Light Inspection Car Co (Light Inspection Cars, Gas Engines, etc.)
HAMMOND—*Champion Potato Machinery Co. (Potato Mach'y)
*†North Star Iron Works
*†Simplex Railway Appliance Co. (Car Bolsters, Roller Side Bearings, etc.)
*§Stewart Machinery Mfg. Co.
HARTFORD CITY—*†§Bowen, W. J. & A. L.
*McClintock & Gamble
HUNTINGTON—†Hensley Trolley Co. (Trolley
*Newcomb, C. E. Wheels, etc.)
INDIANA HARBOR—*†American Steel Foundries (Inc.) (See Chicago, Ill.)
*Inland Steel Co. (See Chicago, Ill.)
INDIANAPOLIS—*§American Brass & Aluminum Co. (Brass Castings, etc.)
*†American Car & Foundry Co. (See St. Louis, Mo.
*†American Foundry Co., Warman av & Vandalia R. R.
*Atkins, E. C. & Co. (Saws, Tools & Mach'y), 402 S Illinois
*†Atlas Engine Works (Engines & Machy.)
*†§Brown-Ketcham Iron Works (Castings & Structural Steel Work)
*Capital Gas Engine Co. (Gas Engines, etc.)
*Capital Machine Works, 502 S Penn
*Castle Ice Machine Co. (Ice Machinery), 19 W South
*Central Machine Works (Machinists & Portable Boring Bars, etc.), 240 W Henry
*†Central States Bridge Co. (Steel Bridges, etc.)
*†Chandler & Taylor Co. (Engines & Saw Mill Mach'y, etc.), 740 W Wash av
*Climax Machy Co. (Farm & Dairy Machines)
*Crescent Machine & Tool Co. (Special Machinery), 309 W Maryland
*†§Dean Bros. Steam Pump Works (Pumping & Condensing Machy)
*†Enterprise Foundry & Fence Co. (Grey Iron Castings)
*†§Fairbanks-Morse Electrical Mfg. Co.
†Fraser Stove Co. (Stoves, Ranges, etc.)
†Geiger & Peters Ornamental Iron Works (Archl. Iron Works, etc.), 321 S Alabama
*Green, Thos. L. & Co. (Bakers' Machy).
*Hall, Albert B. (Laboratory Mchy)
*Hensley, Jas. W. (Clay Working Machy), Lemcke bldg
*†Hetherington & Berner Co. (Asphalt Machy & Foundry), 19 W South
*†Home Stove Co. (Stoves & Ranges)
*Howard, Michael E. (Machinist), 374 S Senate av
*†Indiana Brass & Iron Bed Co.
*Indiana Fan Co. (Blowers, Exhausters, Water Motors, Fans, etc.)
*Indiana Mfg. Co. (Straw Stackers)
*§Indianapolis Aluminum & Brass Co.
*Indianapolis Excelsior Machinery Co. (Excelsior Machinery, etc.)
*†Indianapolis Foundry Co. (Light Grey Iron Castings, 131 Harding
*Indianapolis Lock Co. (Post Office Equip-
*†Indianapolis Stove Co. ments, etc.)
*Indianapolis Tool & Mfg. Co. (Special Machy., Tools & Dies), 518 S. Capitol av
†Insley Iron Works (Iron Fdrs)
*†Inter-State Car Co. (Contractors, Cars & Repair Work)
*†Kennedy, Patrick W., 1119 Beecher
*§Keyless Lock Co. (Post Office Equipments, etc.)
*Knight & Jillson Co. (Plumbing Specialties, etc.)
*†§Langsenkamp-Wheeler Brass Works (Brass Founders & Finishers)
*†Laycock, T. B., Mfg. Co. (Iron & Brass Bedsteads, etc.)
*†Link Belt Co. (Ewart Works) (Main office, Chicago, Ill.)
†McNamara-Koster Fdry. Co. (Grey Iron Castings), 408 S Penn
*†National Boiler & Sheet Iron Works (Engines, Boilers, etc.)
†National Malleable Castings Co. (See Cleveland, O.)
*†Noelke-Richards Iron Works (Builders Iron Work & Castings), 180 E. Palmer
*†§Nordyke & Marmon Co. (Flour Mill Machy, etc.)
†Over, Ewald (Grey Iron Castings), 426 S Penn
†Peerless Foundry Co. (Castings & Stove Repairs), 710 E Maryland
*§Pioneer Brass Works (Brass, Bronze & Aluminum Founders, Finishers & Plumbers' Goods), 418 S Penn
*Potter Mfg. Co. (Trench Machinery, Etc.), 3505 E Wash.
*†Potts, C. & A. & Co., (Clay Machy.), 816 W Washington av
Rexroth, Louis (Machinist), 144 S Delaware
†Roch, Tobias (Arch'l Iron Work, etc.), 225 E. Pearl
*†Rockwood Mfg Co. (Founders & Machinists), 1801 English av
*Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
*†Shirley Radiator & Foundry Co. (Radiators), Indiana Trust bldg
*Simon, Louis P. (Machinist), 371 S Meridian
*†Sinker-Davis Co. (Engines & Saw Mill Mach'y), 230 S Missouri
*Spacke, F. W., Machine Co. (Air Compressors, etc.)
*†Speed Changing Pulley Co.
*Standard Machine & Electric Co. (General Machinists), 33 W Chesapeake
*Union Embossing Machine Co. (Wood Embossing Machines), 750 E Washington
JASPER—*†Jasper Machine Works
JEFFERSONVILLE—*†American Car & Foundry Co. (See St. Louis, Mo.)
*American Vending Machine Co.
*†§Anderson, Geo. S., & Co. (Machine
*Bauer Machine Co. Work, etc.)
*†Indiana Mfg. Co. (Hollow Ware, etc.)
KENDALLVILLE—*†Baker, J. R. & Sons Co. (Specialties)
*†Flint & Walling Mfg. Co. (Windmills, Engines, Pumps, etc.)
*†Raber & Lang Mfg. Co. (Cement Tile
*†Wallace Mfg. Co. Machinery, etc.)
KNIGHTSTOWN—*Albertson, E. J.
*Columbia Electric Co. (Automobiles, Telephones, etc.)
*Parrish, Alford Fence & Machine Co. (Fence Machines, etc.)
KOKOMO—*Apperson, Elmer
§Byrne, Kingston & Co. (Inc.) (Brass
*Chandler, B. H. Foundry)
*†Ford & Donnelly (Wire Mill Machinery, etc.)

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†Globe Stove & Range Co. (Steel Ranges,
*§Kokomo Brass Works etc.)
*Kokomo Fence Machine Co. (Fence
*Rockford Bit Co. (Bits) Machinery)
*Walton & Macke (Mfrs. Nail Machines)
LAFAYETTE—*†Barbee Wire & Iron Works (Bldrs Iron Work & Castings, etc.)
*Biggs, B. F., Pump Co. (Pumps, etc.)
*§Duncan Electric Mfg. Co. (Electric Meters)
*Lafayette Fence & Machine Co. (Fence
*†McGrath, R. H. Machines)
*Ross Gear & Tool Co. (Tools, Auto Gears,
*†§Schwab Safe & Lock Co.
*Sterling Electric Co. (Telephone Supplies, etc.)
*†Wallace Machine & Foundry Co. (Castings, Manhole Covers, etc.)
LAPEL—*Wright, George (Gas Regulators, Pumps, etc.)
LA PORTE—*Gangwer & Roberts
*La Porte Gas Meter (Gas Meters)
†Niles & Scott Co. (Wheels, etc.)
*†Rumely, M. Co. (Engines, Threshers, Stackers, etc.)
LAWRENCEBURG—*†§Cook, A. D. (Steam Pumps, etc.)
LEAVENWORTH—*Jenner, John H.
LEBANON—*†Lebanon Foundry Co.
LIBERTY—*†Rude Bros. Mfg. Co. (Grain & Corn Drills, Cultivators, etc.)
LIGONIER—*Haney Gasolene Engine Co.
LOGANSPORT — *American Steel Dredge Works (Dredging Machy, etc.)
*McAllister, E. A. (Jobbing, etc.)
*Oberchain & Boyer (Boiler Cleaners, Fire Extinguishers, etc.)
*†§Western Motor Co. (Gas Motors, etc.)
MADISON—*†§Johnson Foundry & Machine Shops
*†Madison Machine Co. (Machinists)
†Madison Stove Co. (Stoves)
MARION—*American Drill Co. (Grain Drills,
*Custer Electric Mfg. Co. etc.)
*Gillespie, L. W. & Co. (Dynamos, Motors Gas & Gasoline Engines, etc.)
*†Hoosier Stove Co.
*†§Hulley, Jos.
§Indiana Brass & Bronze Co.
†Marion Grey Iron Foundry Co. (Grey Iron Castings, etc.)
*†Marion Iron & Brass Bed Co.
*†§Marion Machine Fdry & Supply Co.
*†§Marion Malleable Iron Works
†Marion Stove Co. (Stoves)
*†National Sweeper Co.
*Western Drop Forge Co.
MATTHEWS—†Armor Steel & Foundry Co.
MELTZER—*Meltzer, F. (See Chicago, Ill.)
MICHIGAN CITY—*Eichstaldt, Roman (Machinist)
*†§Haskell & Barker Car Co. (Car Bldrs., Brass, Steel, Grey & Malleable Iron Castings)
*Michigan City Iron Works (Machinery)
*Western Launch & Engine Works (Inc.) (Gasoline Engines, Launches, etc.)
MISHAWAKA—*Clark, Geo. C., Metal Last Co.
*†§Dodge Mfg. Co. (Power Transmitting Machinery)
*Landgraf Machine Co. (Machinists)
*Mishawaka Machine Co.
*†Mishawaka Plow Co. (Plows, etc.)
*†Perkins Windmill Co.
MONROEVILLE—*Salway Bros. Co.
MONTEZUMA—*Montezuma Machine Works
MONTPELIER—*†§Montpelier Cup & Metal Works
*†National Steel Casting Co. (Steel Castings, Car Couplers, etc.)
MOUNT VERNON—*†Keck, Gonnerman Co. (Iron Fdrs. Threshers, etc.)
MUNCIE—*†§American Lawn Mower Co. (Lawn Mowers & Castings)
*Broderick & Quinlan Mfg. Co. (Boilers. etc.)
*Carpenter, Albert (Engines, Boilers, etc.)
*Crozier, Cary (Gas Pumps & Engines.
*Dyer Bros. etc.)
*§Eagle Foundry Co.
*Hanika, C., & Son Co. (Structural & Ornamental Iron Work)
*Indiana Steel & Wire Co.
*Kitselman Bros. (Inc.) (Fence Machines.
*†Machinists' Foundry Co. etc.)
*Moon, W. H.
*†Muncie Fdy. & Machine Co. (Gas House Machy. Castings, etc.)
*Muncie Gas Engine & Supply Co. (Gas Engines & Oil & Gas Well Supplies)
*§Murphy, Patrick (Castings)
*Warner Electric Co. (Electric Specialties)
*†Warner Gear Co. (Gears, etc.)
*†Whitely Malleable Castings Co. (Steel & Malleable Iron Castings & Car Couplers, etc.)
†Whiteley Steel Co. (Steel Castings)
*Wide Range, Drill Chuck & Tool Co. (Drill Chucks & Tools)
NAPOLEON—*Schleuter, Stephen
NAPPANEE—*Nappanee Iron Wks. (Punches, Shears, etc.)
NEW ALBANY—*†Anchor Stove & Range Co.
*†Gardner, S. J. (Stoves, etc.)
†Gohmann Bros. & Kahler Co. (Stoves, etc.)
*Goetz-Coleman Mfg. Co. (Gasoline En-
*†Hegewald, Chas. Co. gines, etc.)
*†New Albany Mfg. Co. (Stone Working Machy)
*Todd Mfg. Co. (Machinery, etc.)
NEW CASTLE—*†Allen, Jonathan S.
*Indiana Rolling Mill Co. (Machine Shop for Use of the Company)
*†New Castle Foundry Co. (Iron Fdrs., Grey Iron Castings)
*New Castle Machine Works (Machinists)
*Pan-American Bridge Co. (Bridge & Structural Steel Work, etc.)
*Safety Shredder Co. (Corn Shredders,
*Shopp, W. A. & Co. (Machinists) etc.)
NEW MOUNT PLEASANT—*Steed Bros.
NEW HARMONY—*Trethway, W. O.
NOBLESVILLE—*Hare, J. H.
NORTH MANCHESTER—*†Manchester Mfg. Co. (Boiler Cleaners)
*†§Miller, Jesse E. (Pumps, etc.)
NORTH VERNON—*†§Hicks, Harry (Machinist & Fdry.)
OAKLAND CITY—*†Dewitt-McIntyre Gear & Bending Works
OSGOOD—*†§King, H. P., Electrical & Machine Works
PENDLETON—*§Motsinger Device Mfg. Co. (Gas & Gasoline Motor Sparks, etc.)
PERRYSVILLE—†Cummingore, H. S. & Son
PERU—*McAllister, Thos. H. (Stoves, etc.)
*Mallman Addograph Mfg. Co.
*†Model Gas Engine Works (Engines, Gas & Gasoline, etc.)
*†Parkhurst Mfg. Co. (Elevators, Lathes, etc.)
*Peru Electric Mfg. Co. (Elec. Specialties)
*Spring Grain Drill Mfg. Co. (Grain Drills.
PETERSBURG—*†Meyer Machine Co. etc.)
PLYMOUTH—*†Clizbe Bros. Mfg. Co. (Tool Grinders, etc.)
*Keller & Jeffers (Machinists)
*†Monarch Iron Works (Inc.)
PORTLAND—*†Portland Foundry & Mach. Co.
PRINCETON—*†Maddocks & Herschell (Flue Welding Machinery)
RED KEY—*Fiers & Kehrer (Pumps, etc.)
*†Runyen, B.
RICHMOND—*†American Seeding Machine Co. (Hoosier Branch) (See Springfield, O.)
*†Border Bolt & Nut Lock Co.
*§Chandelier & Art Brass Works
*Dille & McGuire Mfg. Co. (Lawn Mowers)
*Draver Bros. (Special Mach'y, etc.)
*Elliott & Reid Co. (Fence Machines, etc.)
*F & N Lawn Mower Co. (Lawn Mowers)
*†§Gaar, Scott & Co. (Threshing Mach'y, Traction Engines & Saw Mills, etc.)
*§Gartside, W. N. (Fdry. Supplies, etc.)
*Henley, M. C. (Roller Skates, Boring Ma-
*Jones, J. E. ch'y, etc.)
*Kiser, Daniel (Machinist)
*Mariatt, Samuel (Machinist)
*Quaker City Machine Co. (Jno. A. Evans, Pront.) (Ventilating Apparatus, etc.)
*†Richmond Indiana Mfg. Co. (Iron & Brass Bedsteads, Carriage Lamps, etc.)
*†Richmond Machine Works (Engines, Saw Mills, etc.)
*Richmond Safety Gate Co. (Safety Gates, etc.)
*†§Robinson & Co. (Engines, Threshers, Beling Presses, Saw Mills, etc)
§Standard Pattern & Mfg. Co.
§Starr, W. C., & Son
*†§Wayne Works (Agrl. Implts.)
RISING SUN—*†Clore's, Wm. Sons (Plows, etc.)
ROCHESTER—*†§Ross Foundry & Machine Co.
ROCKPORT—*†Pfeifer, John C. (Fdry & Mach)
RUSHVILLE—*Francis, Chas. E., & Bros.
*Long & Case Machine Co.
*†Madden & Co. (Iron Founders, Tile & Brick Machinery)
SALEM—*Bellows Bros.
SARATOGA—*†§Harshman, John F., & Sons
SEYMOUR—*§Buhner, R. F.
SHELBYVILLE—†Eagle Range Co.
*†Shelbyville Fdry. & Machine Works
SHIRLEY—*†Shirley Radiator & Foundry Co. Radiators, etc.)
SOUTH BEND—§Bednarowics, Teofil
*†Birdsell Mfg. Co. (Clover Hullers, Straw Stackers, Wagons, etc.)
*†Bowsher, N. P. Co. (Fdrs & Machinists)
*Clover Leaf Machine Co. (Concrete Mixers, etc.)
*†Coquillard Wagon Works (Heavy Wagons, etc.)
*Haberle, John B. (Bolt Cutting Machines, Etc.)
*Ideal Concrete Machy. Co. (Concrete Block Machy)
*Iwan Bros. (Ditching Machines, etc.)
*Knoblock-Heideman Mfg. Co. (Electrical Machy & Specialties)
†Malleable Steel Range Mfg. Co. (Ranges, etc.)
*Maurer, Wm., & Co. (Steam Specialties, etc.)
*†Meyer Foundry & Mfg. Co. (Street & Building Castings, etc.)
*†Oliver Chilled Plow Works (Plows, etc.)
*†Schock Mach'y Co. (Power Drills, etc.)
*†Sibley Machine Tool Co. (Mach. Tools,
*Soens, Christ Power Drills, etc.)
*†South Bend Chilled Plow Co. (Plows, etc.)
*†South Bend Foundry Co. (Grey Iron Castings, Street & Building Castings,
*†South Bend Machine Tool Co. etc.)
*†South Bend Pulley Co. (Cast Iron Pulleys)
*†South Bend Toy Mfg. Co. (Toys, etc.)
*South Bend Watch Co. (Watches, etc.)
*†§Studebaker Bros. Mfg. Co. (Wagons, Carts, Automobiles, etc.)
*Westervelt, Herbert E. (Paper Bag Machy)
SUMMITVILLE—*Custer Mfg. Co. (Punches, Shears, etc.)
SYRACUSE—*†Advance Radiator Co. (Cast Iron Radiators)
TELL CITY—*Sanitary Laundry Machy Co.
*†§Tell City Fdry. & Machine Works
TERRE HAUTE—*†American Car & Foundry
*Buettner & Shelbourne Machine Co. (Repair Parts for Coal Mining Machines, etc.)
†Cooper, B. H. Co. (See St. Louis, Mo.
*†Eagle Iron Works Co.
†Gartland Foundry Co. (Grey Iron Castings, etc.)
*†Government Standard Scales Works (Scales, etc.)
*Hazledine, Edw. T., Co. (Machinist)
*Kester Electric Co. (Electric Motors)
*O'Neil & Son (Machinists)
*Pettyjohn Co. (Artificial Stone Machines)
*†§Prox, Frank, Co. (Coal Mining Machy,
†Springer-Whitaker Foundry Co. etc.)
*Standard Wheel Co. (Bicycles)
§Terre Haute Bronze & Brass Co.
†Terre Haute Malleable & Mfg. Co.
*†§United States Scale Co.
§Vandalia R. R. Brass Fdry.
†Wallis Stoker & Mfg. Co. (Mechanical Stokers, etc.)
UNION CITY—*Backstay Machine & Leather Co. (Machinists)
*Union City Wheel Co.
UPLAND—*Wise, R. S.
URBANA—*Speicher, D. E. (Seed Sowers, etc.)
VALPARAISO—*Crescent Co. (Electric Specialties)
*†Patrick, J. H. & Son
VAN BUREN—*Boss Pulley Machine Co.
*Mills Machine Co.
VEEDERSBURG—*Walter Bros.
VERNON—*Reed & Rogers Mfg. Co. (Harrows & Rakes, etc.)
VINCENNES — *†§CENTRAL FOUNDRY Co. (See New York.) (See adv. index, end of book)
*†Hartman Mfg. Co. (Agl. Implts., Cultivators, etc.)
*Mahoney R. R. Ditching Machine Co. (R. R. Ditching Machines)
*National Rolling Mill Co.
*†Star Shovel & Range Co. (Stove Mfrs.)
*†§Vincennes Foundry & Machine Co.
WABASH—*†Barcus, George, & Co.
*Rettig, Frank J.
*Standard Cash Register Co.
WAKARUSA—*† Gall, James E.
WARSAW—*†Maish Mfg. Co. (Mill Machy, etc.)
*†§Werntz, O. W., Fdry. & Machine Wks.
WASHINGTON—†Cole, W. E. (Fdry.)
*†§Denver, Frank
WINAMAC—*Winamac Bridge Co. (Structural Steel Work, etc.)
WINCHESTER—*Fitsmaurice, Wm. (Machinist)
*Knecht & Thomas Pump Co. (Pumps, etc.)
WOLCOTTVILLE—*†§Morel, J. L. & Co.

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IOWA.

ADEL—*Vaughn Mfg. Co. (Printing Presses,
AKRON—*Hilliker, C. M. & Son etc.)
ALTA—*Bensene, Eli, & Son
AMES—*Lougiran Machine Co. (Agricultural Implements)
*Watkins Mfg. Co. (Wire Machy, etc.)
ANAMOSA—†Griffith, Jno. C.
ATLANTIC—†Hunter, S. G., Iron Works
AURELIA—*Mummert, Jonas S.
AVOCA—*†Jacobs Bros.
BELLE PLAINE—*†§Palmer Bros.
BELLEVUE—*Brandt, J. M. (Gasoline En-
BOONE—*†§Sample, J. F. gines)
*Weinhart & Knight
BRITT—*†§Interstate Drainage & Investment Co.
*National Mfg. Co. (Slot Machines)
BURLINGTON—*Mohland & Co. (Grubbing Machines)
*†§Murray Iron Works Co. (Corliss Engines, Ice & Refrigerating Machy., etc.)
§Swedish Sleigh Bell Mfg. Co.
*Van Beek, G. L. (Gasoline Engines, etc.)
CARROLL—*Heider Mfg. Co. (Equalizers, etc.)
CEDAR FALLS—*†Monarch Self-Feeder Co. (Straw Stackers, etc.)
*Rice & Dayton Mfg. Co. (Auto Vulcanizers)
*Wagner Mfg. Co. (Hdw. Specialties)
CEDAR RAPIDS—*†§Carmody, J. T. (Engines, Castings & Structural Work)
*†Cedar Rapids Foundry & Mach. Co.
*Cedar Rapids Mfg. Co. (Nail Pullers, etc.)
*†§Cedar Rapids Pump Co. (Iron Pumps, etc.)
*†Chandler Pump Co. (Iron Pumps, etc.)
*Cedar Rapids Scale & Machine Co.
*Davidson, F. F. (Trip Hammers, etc.)
*§Dearborn Brass Co. (Brass Founders' & Finishers' Plumbing Goods, etc.)
*Fawcett, C. E. (Machinists)
*Hawkeye Mfg. Co. (Power Hammers, etc.)
*†Iowa Radiator Co. (Radiators, etc.)
*†Iowa Windmill & Pump Co.
*Long. Mfg. Co. (Machy.)
*Porter & Erwin (Laundry Machy.)
*Rabus & Toeller (Machinists)
*Schmidt, Geo. R. (Machinist)
*†Stary, F. (Iron Fdry.)
*Tokheim Mfg. Co. (Oil Pumps, etc.)
CENTREVILLE—*†§Goss, Jos.
CHARITON—*†§Johnson Bros.
CHARLES CITY—*†Daley, M. H. (Disc Harrows)
*†Hart-Parr Co. (Traction, Stationary & Portable Gasoline Engines)
*†§Moss, W. E.
CHEROKEE—*†§Caswell Bros. (Belt Guides,
*†§Cherokee Mfg. Co. etc.)
CLARINDA—*Lisle Mfg. Co. (Well Drilling
CLARION—*Snyder & Henry Mach'y)
CLINTON—*†Clinton Bridge & Iron Works
*†Clinton Novelty Iron Works
*†Fish Bros. Mfg. Co. (Wagons, etc.)
*Iowa Machine Works (Inc.)
*Lamb Boat & Engine Co. (Engines, etc.)
COUNCIL BLUFFS—*Bradley, David, & Co. (Inc.), (Agrl. Implts.)
*†Children's, E., Sons Mfg. Co. (Agrl. Implts.)
*Clark Implement Co. (Agrl. Implts.)
*†§Kimball Bros. Co. (Elevator Scales, Elevators, etc.)
*†§New Specialty Mfg. Co. (Scales, Gasoline Lamps, etc.)
*†Peru Plow & Implement Co. (Agrl. Implts., Plows, etc.)
*Pioneer Implement Co. (Agrl. Implts.)
*†§Sprague Foundry & Mfg. Co.
*†Walker Mfg. Co. (Agrl. Implts., etc.)
CRESTON—*Arnold, E. D. (Machinist)
DAVENPORT—*Bettendorf Axle Co. (Steel Cars & Steel Car Trucks)
*†§Bettendorf Metal Wheel Co. (Metal Wheels & Castings, etc.)
*†§Davenport Foundry & Machine Co. (Iron & Brass Castings & Heavy Machy.)
*†DAVENPORT LOCOMOTIVE WORKS (Light Locomotives, etc.) (See adv. index, end of book)
*Davenport Motor Co. (Marine Motors,
*East Davenport Machine Shop. etc.)
*†§Frank, H. J., Foundry Co.
*†Killing, E., Moulding Machine Co. (Moulding Machines, Grey Iron & Brass Castings)
*Newmann, H. W., Machine Co.
*†Red Jacket Mfg. Co. (Pumps & Grey Iron Castings)
*Roeske & Sindt (Machine & Novelty Works)
*†Wahle Fdry. & Machine Works
*White Lily Washer Co. (Gasoline Engines, etc.)
DECORAH—*Johnson, Peter & Son (Machin-
*†Swenson Valve Co. ists)
DES MOINES—*†American Iron Works
*†Beckman Bros. (Pumps, Windmills, Scales, etc.)
*†Centaur Wire & Iron Works (Inc.)
†Crescent Furnace & Foundry Co.
*†§Dempster Mfg. Co. (Pumps, Windmills, etc.)
*†Des Moines Bridge & Iron Co. (Bridges & Structural Work, etc.)
*†Des Moines Fdry. Co. (Soil Pipe & Fittings)
*†Des Moines Mfg. & Supply Co. (Brick, Flour Mill, Grain Elevator, Mining, Stucco & Saw Mill Machinery)
*†Des Moines Stove Repair Co.
*†§Des Moines Street Ry. Co.
*Dodd & Struthers (Static Electric Machines, X-Ray Apparatus, etc.)
*†Eagle Iron Works (Mining & Brick Machinery, etc.)
*Eldridge, Geo. G. (Machinist)
*†Green Fdry. & Furnace Works (Hot Air Furnaces, etc.)
*Jewett Typewriter Co. (Typewriters)
*†Keith Furnace Co. (Furnaces & Heaters)
*Monarch Machine Co. (Gas & Electric Engines, etc.)
*†Spieth & Son (Plows, etc.)
*Standard Safe & Lock Co.
*Turner-Roland Co. (Structural Steel, etc.)
*†Turner & Brownlie (Machinists & Frs.)
*White Bronze Monument Co.
*†Wood Bros. Steel Self-Feeder Co. (Cultivators, etc.)
DEXTER—*Excelsior Thresher Tooth Co. (Thresher Teeth, etc.)
DUBUQUE—*†§Adams Co. (Machine Tools, Founders, etc.)
*†Cooper, A. A. Wagon & Buggy Co. (Plows, Cultivators, etc.)
*Dubuque Boat & Boiler Works
*Gordon, C. C., Co.
*Key City Iron Works
*†Loetscher-Ryan Mfg. Co. (Hdwe. Specialties)
*†§McDonald, A. Y. & Morrison Mfg. Co. (Pumps, Brass Goods & Iron & Brass Founders)
*Novelty Iron Works (G. E. Davis, Prop.) (Trip Hammers, Shingle Machy., etc.)
†Pitts-Thompson Foundry Co.
*Ragatz & Son (Machinists)
*Scheppele Machine Works (Machinists)
*†Schmid Mfg. Co. (Casket Hdw.)
Shore, E. L.
*†§Smedley Steam Pump Co. (Steam Pumps, etc.)
*†Vogenthaler, E. J. Co. (Casting & Bldrs.' Iron Work, etc.)
ELDORA—*†Brown Bros.
ELKADER—†Allen Bros.
*Wagner, Louis E.
FAIRFIELD—*†Louden Machinery Co. (Haying Tools, etc.)
†Iowa Malleable Iron Co.
*Pence, W. H.
FENTON—*Ridder Bros.
FORT DODGE—*†Iowa Foundry & Mfg. Co.
FORT MADISON—Fort Madison Plow Co. (Agricultural Implements)
*Iowa Farming Tool Co. (Haying Tools, etc.)
*†§Reliable Foundry & Machine Co. (Machinery Castings, etc.)
GRINNELL—*†Grinnell Mfg. Co. (Power
GRISWOLD—*Cocklin, L. A. Hammers)
GUTTENBERG—*Fuerste, Chas.
HARLAN—*†Deen Loom Co.
*†§Nelson Gas Engine & Auto Co.
HAWARDEN—*Wheiland & Rummel
INDEPENDENCE—*†Iowa Mfg. Co. (Tread-
INWOOD—*Hansen, Joe. mills, etc.)
IOWA CITY—*† Kelly, O. S., Western Mfg. Co. (Threshers, Feed Mills, etc.)
*Schmidt, G. W. (Machinist)
†Tuloss, I. E. (Foundry)
IOWA FALLS—*† Gade Bros. Mfg. Co. (Gasoline Engines)
IRETON—*Stewart, Daniel R.
JANESVILLE—*Myers, W. W. (Gasoline Engines, etc.)
KEOKUK—*†Amer. Stove & Range Co. (Stoves)
†Decker Mfg. Co. (Hog Rings, Curry Combs, etc.)
*†§Kollmyer & Talbot (Machinists & Fdrs.)
*†McElroy Iron Works Co.
*†§Scott Mfg. Co. (Brick Presses, Castings, etc.)
*Vissaer & Brown (Acetylene Gas Machines)
*†Weber-Kirch Mfg. Co. (Hdwe Specialties & Cream Separators)
LAKE MILLS—*Giving, J. B.
LANSING—*†Schults, Herman C.
LAURENS—*Kreul Bros.
LEMARS—*†§Pech, Gus, Foundry & Mfg. Co. (Well Drilling Machinery, etc.)
LONE TREE—*†§Zimmerman Steel Co. (Stump Pullers, Feed Mills & Wagon Scales)
LYONS—*Lyons Mfg. Co. (Hdwe. Specialties, etc.)
*§Pelton, T. G., & Son (Gasoline Engines)
†Sewell, W. A. & Co. (Furnaces, etc.)
*†U. S. Steel Lock Co.
MARSHALLTOWN—*Dunham, C. A., Co. (Steam Traps)
*Fisher Governor Co. (Pump Governors,
†Lennox Furnace Co. (Furnaces) etc.)
*†§Lennox Machine Co. (Gas & Water Tapping Machines & Gasoline Engines, etc.)
†Marshalltown Furnace Co. (Foundry)
*†§Shorthill, A. E., Co. (Iron Fdrs. & Bldrs Iron Work, etc.)
MASON CITY—*Beecher, A. H. (Machinist)
*†§Vulcan Iron Works (Tenon & Boring Machines, Power Hammers, etc.)
MECHANICSVILLE—*Davisson, O. J.
MILTON—*Milton Mfg. Co. (Harrows, etc.)
MONONK—*†§Weigand, C. H.
MONTICELLO—*†Page, Frank W.
MONTOUR—*Downs, W. A.
MUSCATINE—*†Barry Mfg. Co. (Button Machinery)
*†Giesler & Co. (Malleable Iron Wagon Brakes, etc.)
*Heitz Machine Co. (Button Mach'y, etc.)
*Miller, J. W. (Button Machinery)
*†§Niver Iron Works Co. (Grey Iron Castings, Building Fronts, Machine Castings, etc.)
*Stohr & Freund
*Vance & Baker Mfg. Co. (Machy)
MYSTIC—*Ford, Geo.
NEVADA—†Kelly, H. C.
NEWTON—*†Parson's Band Cutter & Self-Feeder Co.
*†Parsons Hawkeye Mfg. Co. (Gasoline Engines & Self-Feeders, etc.)
†Randolph Coupler Co. (Couplers, etc.)
*†Skow Bros.
NORA SPRINGS—*†Hof & Ladwig
NORTHWOOD—*†Everson & Nelson
ODEBOLT—*Reynolds & Kistler
OELWEIN—†§Oelwein Foundry Co.
OSKALOOSA—*†§Ideal Heating Co. (Heating Apparatus, etc.)
*†Interstate Mfg. Co. (Furnaces, etc.)
*†§Iowa Mfg. Co. (Heating Apparatus & Plumbers' Supplies)
†Martin, J. D., & Co. (Drinking Fountains, etc.)
*†Seevers Mfg. Co. (Heaters, etc.)
OTTUMWA—*American Mining Tool Co. (Mining Tools, etc.)
*†Dain Mfg. Co. (Hay Loader, Haying Tools, etc.)
*Hardscog Mfg. Co. (Coal Drills, etc.)
*Hardscog Wonder Drill Co. (Rock Drills, etc.)
*Johnston & Sharp Mfg. Co. (Ball Bearing Sash Pulleys & Hdw. Specialties, etc.)
*†McCarroll Mfg. Co. (Stoves, etc.)
*Nicholls Mfg. Co. (Carpenters' Squares, etc.)
*†Ottumwa Box Car Loader Co. (Car Loaders)
*†Ottumwa Iron Works (Mining Machinery)
PELLA—*†Buerkens Mfg. Co. (Wagons, etc.)
*†Pella Stacker Co. (Hay Stackers, etc.)
PRAIRIE CITY—*†Dowden Mfg. Co. (Potato Harvesting Machy)
*Jenks & Son (Gas Generators, etc.)
RED OAK—*Bunker, Thos.
*†§Kerrihard Co. (Power Hammers, etc.)
*†Red Oak Bridge & Iron Works
ROCKFORD—*Ayers, C. E.
ROCK RAPIDS—*Anchor Concrete Stone Co. (Cement Block Machy)
SAC CITY—*†Martin Co.
SCRANTON—*†Quinn Wire & Iron Works
SHENANDOAH—*†Swanson Mfg. Co. (Cultivators, Agri Implts, etc.)
*†Smith, Benjamin
SIOUX CITY—*Central Machine Shops
*Herman & Savage (Machinists)
†§Iowa Foundry Co.
†Nuessle, C. C.
†Sioux City Fdry. & Mfg. Co.
*†Weller & Randolph (Jacks, etc.)
SPENCER—*Maurer, F. X. Co. (Hay Presses)
STOCKPORT—*†Iowa Ditching Machine Co.
UNDERWOOD—*Valley Machine Co.

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VAN HORN—*Wicks, J. A.
WASHINGTON—*McClean, T. H.
WATERLOO—*†Armstrong-Quam Mfg. Co. (Well Drilling Machy., Gasoline Engines, etc.)
†Boyce Grinder & Furnace Works (Inc.)
*†Cascadian Mfg. Co.
*Cement Tile Machinery Co. (Cement Tile Mach'y, etc.)
*Chamberlain Machine Works (Gasoline Engines, etc.)
*Galloway, Wm. Co. (Agrl. Implts., etc.)
*†Gibson, David, Foundry Co.
*†Goodman, W. A.
†Headford Bros. & Hitchins Foundry Co.
§Iowa Brass Foundry
*Iowa Dairy Sepa... Cor Co. (... rators)
*†Iowa Gasoline Engine Co. (Gasoline Engines)
*†Litchfield Mfg. Co. (Farm Machinery)
Swem Gas Machine Co. (Gasoline Gas Plants)
*†Swift Mfg. Co. (Feed Grinders, etc.)
§Waterloo Brass Foundry
*†Waterloo Cement Machinery Co. (Cement Machy., etc.)
*†Waterloo Gasoline Engine Co. (Gasoline Engines, etc.)
*†Waterloo Furnace & Feed Mill Co. (Feed Mills, etc.)
*†Waterloo Register Co. (Hot Air Registers)
*†Zeising & Son
WAUKON—*†Johnson, John S., & Son
WEBSTER CITY—*Brown Spring Ice Skate Co. (Ice Skates)
*Closz & Howard Mfg. Co. (Grain Separators, etc.)
WHAT CHEER—*What Cheer Tool Co.

KANSAS.

ABILENE—*†§Parker, C. W. (Novelties, etc.)
*Tolliver, L. D.
ATCHISON—*†Seaton, John, Foundry & Machine Co.
*†§Thayer Foundry Co.
*U. S. Windmill Mfg. Co. (Chas. A. Wright, Prop.)
BELLE PLAINE—*Owens, J. A.
BUNKER HILL—*†Shaffer, C. (Agrl. Implts., etc.)
BURLINGTON—*Electric Appliance Co.
BUSHTON—*Shonyo, B. C. & Co.
CHEROKEE—*Webster, Frank L.
CHERRYVALE—*†§Cherryvale Iron Works
*Kansas Cultivator Shovel Co.
*United Iron Works Co. (See Springfield, Mo.)
CLAY CENTER—*†§Clay Center Windmill & Foundry Co.
*Watts, I. R.
COFFEYVILLE—*†§Coffeyville Foundry & Machine Co.
*†Coffeyville Implement & Mfg. Co. (Agrl. implts.)
DODGE CITY—*†Zimmerman Hdw. & Mfg. Co. (Hdw. & Implts.)
EDWARDSVILLE—*Pearson Mfg. Co. (Potato Sorters)
EMPORIA—*†§Jones', Jos. C. Sons
ENTERPRISE—*†Barnard Machinery Co. (Flour Mill Machy.)
*†§Ehrsam, J. B. & Sons Mfg. Co. (Flouring Mills, Cement & Plaster Mill Machy., etc.)
FORT SCOTT—†Anderson, R. K.
*†Eagle Foundry & Machine Co. (Feed Mills)
*†Eller, Charles
*†Kite Bros.
FREDONIA—Belt, P. P.
GALENA—*†Galena Foundry & Machine Co.
*Kennedy, T.
*Rauch, Jas. B.
*Stone & Pinson.
GIRARD—*†Hitz, C., Foundry Co.
HAYS—*†Goodall, J. W.
HIAWATHA—*†§Cash & Zimmerman
HUTCHINSON—*Livengood, J. K.
*Nelson Bros.
INDEPENDENCE—†Bovaird Supply Co.
*†Independence Iron Works
*†§United Iron Works Co. (See Springfield, Mo.)
IOLA—*†§United Iron Works Co. (See Springfield, Mo.)
KANSAS CITY—†Armourdale Foundry Co.
*Chadborn & Bailey (Fans, Models, Dies, etc.)
*Badger Gas and Gasoline Engine Co. (Gas & Gasoline Engines)
*†Griffin Wheel Co. (See Chicago, Ill.)
*Home Embroidery Machine Co. (Embroid-
*Kansas City Ry. Foundry ery Machines)
*†§Prier Brass Mfg. Co. (Plumbers' Brass Goods, etc.)
*†§Riverside Iron Works Co. (Engines, Machinery & Castings)
*†Strait, H. N. Mfg. Co. (Scales, Hay Presses etc.) (See Kansas City, Mo.)
†West Side Foundry Co. (Iron Fdrs.)
KINGMAN—*Osgood, Geo. A.
LAWRENCE—*†§Lawrence Iron Works
LEAVENWORTH—*†§Fisher Machine Works Co.
*†Great Western Mfg. Co. (Grain Elevator & Flour Mill Machy., etc.
†Great Western Stove Co. (Stoves)
*Hesse, W. G. & Son Mfg. Co. (Wagons, Hdw., etc.
*†Missouri Valley Bridge & Iron Co.
*†Tholen Bros. (Machinists & Fdrs.)
MANHATTAN—*†§Blue Valley Mfg. Co. (Agl. Implts.)
NASHVILLE—*Demars, John
NEWTON—*Miller Grain Drill Mfg. Co. (Grain Drills, etc.)
*Neilins, G. M.
*†Prairie Queen Mfg. Co. (Grain Separators, etc.)
NORWICH—*Dobson, J. V.
OBERLIN—*Bradley, Perry
OSAWATOMIE—*Osawatomie Iron Works Co.
OSKALOOSA—*†U. S. Bridle Bit Co. (Bridle Bits,. etc.)
OTTAWA—*†§Ottawa Foundry Co.
PAOLA—*†Central Radiator & Foundry Co.
PARSONS—†M. K. & T. Ry. Shops
*†Smith, Millard F.
PITTSBURG—*§K. C. P. & G. Ry. Shops
*†§United Iron Works Co. (Springfield, Mo.)
PLEASANTON—*†§Pleasanton Foundry & Machine Co.
ROSEDALE—*†Kansas City Steel & Iron Works Co. (Structural Iron Work, etc.)
SABETHA—†Hay, H. P.
ST. PAUL—*Sheffer, Frank
SALINA—*Kuons, Wesley (Agricultural Implements)
SEDAN—*Sedan Machine Shop Co.
SENECA—*†Butler, Wm. M. & Son
*Emory Mfg. Co. (Agrl. Implts.)
STAFFORD—*†Milton Garvin Steam Plow Co. (Steam Plows, etc.)
TOPEKA—*†Capital Iron Works.
†Currie Windmill Co.
§Hewitt Mfg. Co. (of Chicago, Ill.)
*Jensen Mfg. Co. (Creamery Machy., etc.)
*Jones, W. C.
*†§Midland Foundry
*†§Nelson Mfg. Co.
*Perine, A. B. (Plows, etc.)
*Semprez, John
*Topeka Bridge & Iron Co.
*†§Topeka Foundry & Machine Co.
*†§Western Fdry. & Machine Works (R. L. Coffran, Prop.)
WAKEENY—*Spena, John
WICHITA—*Atchison, Topeka & Santa Fe Ry. Shops
*Brooks Tire Machine Co. (Tire Setters, etc.)
*Brown Mfg. Co. (Hdw., Novelties, etc.)
*†Farles, R. P.
†Moore Bros. (Iron Fdrs. & Stoves)
*†§Peerless Machine & Supply Co.
†Sharon, W. J.
*†§Walterschied Machy & Supply Co. (Pumps, Windmills, etc.)
*†§Western Iron & Foundry Co.
*†§Wichita Mfg. Co. (Pumps, etc.)
WILSON—*†Wolfe, W. S.
WOODSTON—*McNutt, Ira.

KENTUCKY.

ASHLAND—*†Ashland Foundry & Machine Works
*†Ashland Iron & Mining Co. (Grey Iron Castings & Machine Shop)
†Ashland Steel Co.
*†§Norton Iron Works
AUGUSTA—†Augusta Stove & Range Foundry. (See E. H. Huenefeld, Cincinnati, O.)
*Markraff Mfg. Co. (Machy.)
BOWLING GREEN—*†Bowling Green Machine Co.)
*†§Roemer & Worrick Machine Co.
BURNSIDE—*Kirsch, Edward.
CANE VALLEY—†Dudgeon Co. (Stoves, Ovens, etc.)
CENTRAL CITY—*†§Central City Foundry &
CLOVERPORT—*†§Cloverport Foundry & Machine Co.
CORYDON—*Corydon Machine Co.
COVINGTON—*Anthe Machine Works
*†Covington Archl. Iron Works
†Germania Supply & Foundry Co.
*Hollingsworth, W. T. (Machine Tools, etc.)
*†Houston, Stanwood & Gamble Co. (Steam Engines)
†Insurance Stove, Range & Foundry Co. (All Kinds of Light & Heavy Machine Castings)
*Sebastian Lathe Co. (Machine Tools)
*Sehlhorst, A., Jr.
†Star Foundry Co. (Stoves and General
*†Stewart Iron Works Co. Iron Fdrs.)
*†Stewart Jail Works Co.
EARLINGTON—Earlington Iron Works
EDDYVILLE—†Kentucky Foundry Co.
FRANKLIN—*Enterprise Machine Co.
FULTON—*†Webb, C. E.
HAWESVILLE—*Kentucky Plow Fender Mfg. Co.
HENDERSON—*†Delvan, Geo. H. (Machinist)
HICKMAN—*Buck, G. C. (Machinist)
*Smith, Chas. F.
HOPKINSVILLE—*†Forbes Mfg. Co. (Agrl. Implts., Hdw., etc.)
LEXINGTON—*†American Metallic Packing Co. (Metallic Packings, Brass Castings & Genl. Machinists)
*†Lexington Engine & Saw Mill Works
*Timmons, Jos. (Machinist)
LOUISVILLE—§American Brass Foundry
*†AMERICAN MACHINE CO. (Elevators, etc.) (See adv. index, end of book)
†Anchor Stove & Range Co.
*†Avery, B. F. & Sons (Agrl. Implts., Plows, etc.)
*†Balke & Co. Iron Works
*†Bridgeford & Co. (Stoves)
*†Brinly-Hardy Co. (Agrl. Implts., Plows, etc.)
*†CALDWELL, W. E. CO. (Machinery & Fdrs.) (See adv. index, end of book)
*†Central Mfg. Co.
*Clark, Jas., Jr., Electric Co. (Machine Tools, Dynamos, Motors)
*Cook, C. Lee
§Cowles, John H., & Co.
†Dow Wire & Iron Works Co.
*†Drummond Mfg. Co.
†Fischer-Leaf Co.
*†Graf-Webb Iron Mfg. Co. (Stoves)
*†Grainger & Co.
*Kentucky Gear & Machine Co.
†Kentucky Stove Co. (Stoves)
*†Kentucky Wagon Mfg. Co.
*Knobel-Kappa Machine Co.
*Kochenrath, C. A.
*†§L. & N. Ry. Shops
†Louisville Car Wheel & Railway Supply Co. (Car Wheels, etc.)
*†Louisville Drying Machinery Co. (Drying Machinery)
*Moran Flexible Steam Joint Co.
*†National Foundry & Machine Co. (Steam Pumps, etc.)
†O K Stove & Range Co. (Stoves)
*†§Peerless Mfg. Co. (Iron & Brass Fdrs., Grates & Iron & Brass Goods)
*Pyne, W. T. Mill & Supply Co.
Reilly, J. J. Mfg. Co. (Pumping Machinery)
*†Snead Archl. Iron Works (Iron Fdrs. & Bldrs. Iron Work)
*†§Standard Sanitary Mfg. Co. (See Pittsburg, Pa.)
*§Stege, E. A. Mfg. Co. (Brass Fdrs. & Finishers & Platers)
†Stiglitz, Chas. G. & Sons (Iron Fdrs.)
*†U. S. Cast Iron Pipe & Foundry Co. (See New York City)
*†§Vogt, Henry Machine Co. (Ice & Refrigerating Machy., etc.)
LUDLOW—§Carran, R. B., & Sons Co.
MADISONVILLE—*†Holland Ross Machinery Co. (Machinists & Fdrs.)
MAYFIELD—*†Mayfield Foundry Co.
MAYSVILLE—*†Hall, Jas. H. Plow Co. (Plows, etc.)
*†Maysville Fdry. & Engineering Co.
McHENRY—*†McHenry Mfg. & Machy. Co.
NEWPORT—*Crawley Book Machy. Co. (Bookbinders' Machy., etc.)
*†Deam Gas Engine & Fdry. Co. (Gas Engines, etc.)
†Newport Fdry. Co.
*Roettinger, Wm. & Son (Tools)
OLMSTEAD—†Wyatt Furnace Mfg. Co.
OWENSBORO — *†Guenther-Wright Machine
*Kentucky Electrical Co. (Dynamos & Motors)
*Owensboro Hydrant Co. (Hydrants, etc.)
*Owensboro Shovel & Tool Co.
*†§Southern Foundry Co. (Castings & Bldrs., Iron Work, etc.)
PADUCAH—*†Jackson Fdy. & Machine Co.
†Lack Malleable Iron Co.
*†§Shelton Bros. (Iron Fdry. & Machinists)
SHELBYVILLE—*Wayne & Crapster (Machinists)
WINCHESTER—*Conway, J. P.
†§Eagle Casting Co.
*Hagans, Chas.
*†Hagans Gas Engines & Mfg. Co. (Gas Engines, etc.)

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LOUISIANA.

ABBEVILLE—*Ritter, Jos. F.
ALEXANDRIA—*†Alexandria Iron Works
*†§Enterprise Iron Works Co.
ALGIERS—*†§U. S. Government Shops
AMITE—*†Gullett Gin Co. (Cotton Gins)
BATON ROUGE—*Hogue, S. D. Co. (Ltd.)
*†§Pearce, A. C.
BERWICK—*†§Berwick Iron Works
*†§Watkins, Chas. & Bro. Co.
CROWLEY—*†Acadia Iron Works (Ltd.)
*†Crowley Iron Machinery Co.
DONALDSONVILLE—*†Allen, F. H.
FRANKLIN—†Le Blanc, C. J.
HAMMOND—*§Way, A. L.
HOUMA—*Caillouet & Bergeron
JEANERETTE—*†Moresi, Antoine Co.
JENNINGS—*†Oil City Iron Works (Ltd.)
LAKE CHARLES—*†Cobb Car Co. (Ltd.)
*Michael, James
*†§Reiser Machine Shop (Ltd.), (Fdry. & Machinist)
LE COMPTE—*Wiley, E. W., Jr.
LEESVILLE—†Vernon Iron Works (Inc.)
MANSFIELD—*†§De Soto Foundry & Machine Co.
MONROE—*†§Sanders, J. G. (Iron & Brass Fdy & Machinists)
MORGAN CITY—*†Johnston & Hamilton.
*Thornton, J. A.
NEW IBERIA—*Bernard, A. M.
*†§Simon, Geo.
NEW ORLEANS—*†§Bancroft, Ross & Sinclair Co. (Ltd.) (Saw Mill Machy., etc.)
*†Bedell Structural Steel & Fdry Co. (Structural Steel Work, etc.)
*Boland Mchy. & Mfg. Co. (Ltd.) (Rice & Carcaud & Storey. Sugar Machinery)
*†§Connell, J. D. Iron Works
*Crescent City Machine & Mfg. Co.
*Elmer, Chas., & Sons
*Hinderer's Iron Works (Arch'l Iron, etc.)
*†§Johnson Iron Works (Ltd.)
†Killeen's Foundry & Iron Works
*§Koretke, F. H. Brass & Mfg. Co. (Brass Fdrs & Finishers)
*Kron, Geo. F. & Bro. (Scales)
*†McArdle, Peter H. (Mach'y., Pulleys
*McDonald, Jno. S. etc.)
*Manufacturers' Machinery Co.
*§Moore's Brass Foundry (Brass Specialties, etc.)
*†§Murphy, Jno. H. (Sugar Machinery & Castings)
*†Orleans Metal Bed Co. (Iron Bedsteads,
*§Payne & Joubert etc.)
†Schwartz Foundry Co. (Ltd.) (Sugar Mill
*†§Southern Pacific Ry. Shops Machinery)
*†§Stern Fdry. & Mach' Co.
*Sulpice, L. F.
†Sutton, Jas. P.
†Sutton, Jos., Jr.
†Sutton & McLean
Sutton's Fdry. & Structural Steel Works
*†Swoop, Julian M.
*†Whitney Iron Works Co. (Fdrs & Machinists, Sugar Machy, etc.)
PLAQUEMINE—*†Cypress City Foundry &
*†§Nadler, Henry Machine Works
RAYNE—*Stamm, Scheele & Co.
RUSTON—*†§Ruston Fdry. & Machine Shop (Ltd.)
SHREVEPORT—*†Henderson, W. K., Iron Works & Supply Co. (Saw Mill Machy Castings, etc.)
†McKittrick Engineering Co.
*†Means, J. L. Machinery Co. (Cotton Plantation Machy., etc.)
*†White, Benj. S.
THIBODAUX—*†Jeffries, Wm.
*†Keefe, Lawrence
WASHINGTON—*McNicoll, Leroy
WELSH—*Armstrong Machine & Well Works
*Van Ness, M. B. Co. (Inc.)
WINNFIELD—*†Winnfield Iron Works & Supply Co.

MAINE.

AUBURN—*§Androscoggin Foundry Co.
*Crawshaw, J. M.
*Ray, Wm. A.
*Reynolds & Oliver
AUGUSTA—*Fifield Bros. (Gasoline Engines, etc.)
Gay, Geo. E. (Machinist & Engineer)
*Skehan, W. J., & Co.
BANGOR—*†Noyes & Nutter Mfg Co (Stoves
*†§Penobscot Machinery Co. & Castings)
*Purington, Andrew B.
*†§Union Iron Works (Iron & Brass Fdrs. & Paper & Pulp Mill & Wood Working.
*†Wood & Bishop Co. (Stoves, etc.) etc.)
BATH—*†Bath Automobile & Gas Engine Co. (Automobiles, Gas Engines, etc.)
*§Bath Iron Works (Ship Builders & Marine Engines & Brass Fdrs.)
*§Dean-Allan Mfg. Co. (Brass Fdrs, etc.)
*†§Hyde Windlass Co. (Windlasses, etc.)
*†Jackson, J. S., Jr., Son Roller Bushings, Automatic Lathe Work, etc.)
*§Torrey Roller Bushing Works (Roller Bearing Bushings, Iron & Brass Catgs.)
*§Watson, Frye & Co. (Inc.) (Pulp Mill Castings, Plug Cock & Valves)
BELFAST—*†§Duplex Roller Bushing Co.
BETHEL—*Herrick Bros.
BIDDEFORD—†McDermott, Thos. J.
*†§Saco & Pettee Machine Shops (Cotton Machinery.) (See Newton, Upper Falls, Mass.
BOOTHBAY HARBOR—*Thurston, Rowe Co.
BRIDGTON—*†Bridgton Machine & Lumber
*Halkett, J. H. (Machinist) Co.
BRUNSWICK—*Brunswick Mfg. Co. (Ferrules, etc.)
*Whitney R S (Machst)
BUCKFIELD—*Damon, Arlington (Machinist)
CALAIS—*Elliott Machine Co.
†§McCullough & Tait
CAMDEN—*†Camden Anchor-Rockland Machine Co. (Anchors & Gasoline Engines)
*†§Knowlton Bros. (Brass & Iron Fdrs. & Machinists)
CARIBOU—*†Getchell, J. S. & Son
CORINNA—*†Burrill, H. L.
DEXTER—*†§Fay & Scott (Machine Tools & Iron & Brass Fdrs.)
EAST BOOTHBAY—*†Booth Bay Gas Engine Co. (Gas Engines, etc.)
*†Rice, Frank L. Motor Co. (Motors, etc.)
EAST WATERFORD—*Haskell, J. B.
ELLSWORTH—*†§Ellsworth Fdry. & Machine Works
FARMINGTON—*Spinney, Herbert I. (Machinist)
GARDINER—*§Newell, J. F. & Co. (Journal Bearings & Brasses, etc.)
*Scribner, Harvey (Est. of)
HALLOWELL—*†§Fuller's, Geo. Sons, (Brass & Iron Fdrs. & Machinists, Engines, etc.)
*North Wayne Tool Co. (Scythes, Axes & Tools, etc.)
HARRISON—*†Ricker, T. H. & Sons (Wood Working Mchnry.)
HOLLIS CENTER—*Colclough, C. A. (Mchst)
HOULTON—*Cates, H. M.
*†Houlton Fdry. & Machine Co. (Fdrs & Machinists)
KENNEBUNK—*†Varney, Geo. (Agrl. Implts.
LEWISTON—*King, Arthur B. & Castings)
*†§Maxwell, Chas. P., Foundry Co.
*Rand & Harvey (Machsts)
*Willard Mfg. Co. (Hdwe Specialties, etc.)
LIVERMORE FALLS—*Allen, Albert (Machst)
*†§Record Fdry. & Machine Co.
MACHIAS—*†Sargent, Stone & Co. (Machinists)
MECHANIC FALLS—*†§Penney, J. W. & Sons Co. (Steam Engines & Iron & Brass Fdrs.
MILBRIDGE—*Foster, A. V. etc.)
MILLTOWN—*McDonald, Wm & Son (Machsts)
NORTH BERWICK—*†Hussey Plow Co. (Agl. Implts., etc.)
NORWAY—*Murdock, Frank W.
OAKLAND—*Bates, A. B. & Co.
*Dunn Edge Tool Co. (Axes, etc.)
*Emerson-Stevens Mfg. Co. (Axes, Scythes.
*King Axe Co. (Axes, etc.) etc.)
OLD TOWN—*†Chapman, T. M. Sons Co. (Wood Working Machy, etc.)
ORONO—*Mansfield, Edw. & Co. (Cantdogs.
PORTLAND—*Adde & Co. etc.)
*†§Babbit, Chas. E. (Brass & Iron Fdrs. & All Kinds of Copper Work)
*Chenery, Henry L. & Co.
*Conant, R. O. Co. (Canning Machy, etc.)
*Dunn, M. E. (Machst)
†Fletcher & Crowell Co. (Iron Fdrs & Bldrs Iron Work)
§Knight Bros. (Brass Fdrs., etc.)
*Lang-Cobb Mfg. Co. (Canning Specialties, Dies & General Mchnsts)
*§Laughlin, Thos. Co. (Marine Hdw., Brass & Bronze Castings)
*Maine Electric Co. (Dynamos, Motors, Engines, etc.)
*†§Megquier & Jones Co. (Bldrs Iron Work & Castings)
*Mills & Gilmour (Machinsts)
*Orr & Jennings (Machsts)
*†§Portland Co. (Steam Engines, Paper & Pulp Machy & Iron & Brass Fdrs, etc.)
†Portland Stove Foundry Co. (Stoves, etc.)
*Schumacher, Gustav W.
*Smith & Langmaid
*Southworth Bros. (Printers' Machy)
*Stickney, Henry R. (Can Filling Machines, etc.)
*Westcott, Reuben (Radiators, etc.)
*Winslow, Daniel & Son (Machsts)
ROCKLAND—*†§Camden Anchor Rockland Machine Co. (See Camden)
*Livingston Mfg. Co. (Stone Working Tools)
*Shuman, I. J.
RUMFORD FALLS—*†§Record Foundry & Machine Co. (See Livermore Falls)
SKOWHEGAN—*†Hackett & Witham
SOUTH PARIS—†Cummings Mfg. Co.
SOUTH PORTLAND STATION—*†Marine Hdw. & Equipment Co. (Marine Hdw., etc.)
SOUTH UNION—†Jones, Stephen W.
WATERVILLE—*Lombard, A. O. (Mchst)
†Noyes Stove Co. (Stoves)
*†§Webber & Philbrick (Wood Barking Machy & Iron Fdrs)
WESTBROOK—*†Foster & Brown Co. (Mchsts.)
†Jordan, Rufus K. (Iron Fdry.)
*Knowlton Jno J (Mchst)
*§Warren, S. D., & Co. (Office, Boston, Mass.)
WEST GARLAND—*Gordon H L (Mchst)
YORK—*Young, Chas.

MARYLAND.

BALTIMORE—*Adt Jno B (Brewers & Malsters, Tobacco Mchy, etc.), 332 N Holliday
†Armstrong & Parker, 361 North
†Arundel Iron Works, 757 W. Pratt
*†Baltimore Car-Wheel Co. (Electric Car Trucks & Wheels), Payson & Patterson av.
†Baltimore Foundry Co. (Machine, Structural & Ornamental Castings)
†Baltimore Malleable Iron & Steel Castings Co. (Grey Iron & Steel Castings, etc.) Charles & Wells
*†Baltimore & Ohio R. R. Shops
†Bartlett, Hayward & Co. (Sugar Machy., Iron Fdrs., etc.)
*Bassbor, Thos. C., Co., 28 Light
*†Bates, Jas., Sons (Elevator Builders. Castings, etc.), Pratt & President
*†Bibb, B. C. Stove Co. (Stoves, etc.), 100 Light
§Boehm, Henry E. & Co., 207 North
*Brown, F. S. & G. L. Machine Co. (Presses, Dies & Sheet Metal Tools), 20 E Fort av
*Burt Machine Co. (Canning Machy.), 227 N Holliday
†Carr Stuart R., & Co. (Iron Fdrs.), Essex & Montford av
†CENTRAL FOUNDRY CO. (See New York.) (See adv. index, end of book)
†Chesapeake Iron Works (Builders' Iron Work & Castings), Bayard & Severn
†Clark, Jas. Co., ft. Webster
†Codd, E. J., Co. (Engines, Boilers, Pumps & Iron & Brass Castings, etc.), 700-708 S Caroline
*Cottingham, Harrison (Canning Mach'y.)
*Crook-Kries & Co., 231 W Saratoga
*§Crown Cork & Seal Co.
*Cuyler & Mohler (R. R. Machinists), 611 William
*†Detrick & Harvey Machine Co. (Machine Tools, etc.), 506 E Preston
*†De Ved & Sons' Sash Weight Co. (Builders' Castings, 813 S Howard
*†Dietrich Bros. (Jail Guards, Bridge Rods, Plates, etc.), 344 North
*Dix Mfg Co (Door Hangers & Hdw Specialties), 1021 Guilford av
Donohue, Jno. T. & Co. (Diaphragm Pumps, etc.), 1808 Thames
ELLICOTT MACHINE CO. (Dredging Machinery, Grey Iron Castings, etc.), Bush & Severn, Baltimore, Md. (See adv. index, end of book)
*Fadum, Fred'k (Machinist), 408 W. German
§Farrell, Edw. P. (Brass Fdry. & Finishers), 1412 Philpot
*Faunt Le Roy Elevator Co. (Elevators, etc.), 8th nr. Lombard
*Fluskey, Jno. B., cor Dugan's Wharf & Wood
*†Flynn & Emrich Co. (Iron Fdrs. & Machinists), cor Holliday & Saratoga
†Foster Bros. Mfg. Co. (Iron Beds, etc.)
*Frank, B. T. & Son (Ice & Refrigerating Machy., etc.), 642 W Pratt
*Friedenwald Bros. (Special Machy., etc.), 216 N Holliday
*Fries, Julien P. (Elec. & Meteorological Insts., etc.), 1220 E Balto
*§Gibson & Kirk Co. (Brass Fdrs., etc.), 517 E Montgomery

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†Greenmount Iron & Mfg. Co. (Stoves, Ranges, Machine Castings, etc.), 883 Greenmount av
*Hollingsworth, Wm. (Gas Engines, etc.) 227 W North
*Hutcheson, Wm. (Brass Finisher & Machinist), 212 N Holliday
*†Hutchinson Bros. (Stoves, Furnaces, etc.), 116 N Howard
†Jones Hollow Ware Co., Forrest & Madison
*Jones, Jno. T. Sons, 211 E Falls av
*§Kavanaugh, Joseph M.
*Kemp, C. M. Mfg. Co. (Gas Machines, Cellar Drainers, etc.), 401 E Oliver
†Krug, Gustav & Son (Bldrs. Iron Work), 415 W Saratoga
*King, J. S. Machine Co., 213 North
†Lacey, Jas. J. & Co. (Propeller Wheels, Grey Iron Castings, etc.), 1401 Block
*†Larrabee, H. C. & Co. (Chemical Eggs, Pyrites Furnaces, etc.), 723 S Caroline
*Lazenby, F. A., & Co., Bush & Wicomico
*†Levering Bros. (Sash Weights), 280 Hughes av
*§Liberty Brass Works (Brass Castings, etc.), 305 W. Lombard
*Loane, Hiltz Engineering Co. (Machy., etc.), 306 Hanover
*McClenahan, H. J. & Co., 613 Water
*§McShane Bell Foundry Co. (Bell Founders, etc.)
*§Mackin, F. M., & Co., 509 N Spring
*MacRae, Hector C. (Electrical Storage Batteries, etc.), 316 St. Paul
*Marine Ry. Machine & Boiler Works (Engines, Steam Boilers, etc.), 1301 Philpot
*Marquette, Jno. N. (Fertilizer, Mach'y, etc.), 507 S Eden
§Maryland Brass & Metal Works (Brass Fdrs. & Finishers), 1529 Guilford
*†Maryland Car Wheel Works (Car Wheels, etc.), Curtis Bay
*Maryland Meter Co. (Gas Meters, etc.)
†Meiser, H. & Son (Iron Fdrs., Bldrs. Iron Work, etc.), 210 Clay
*Miller, L. H. Safe & Iron Wks., 103 S Hanover
*Mitchell, Jno. R., Co. (Pineapple Machinery, etc.)
*Monarch Engineering & Mfg. Co., 5 W Lombard
*Montford Machine Casting Co., Montford av, nr Chase
*Murrill & Keizer Co. (Light Machy., Pattern & Model Work, Special Machy., etc.), 200 N Holliday
*National Compositype Co. (Type Setting Machines) Claggett & Allen
*§National Supply Co. (Bolts, Nuts, Rivets, Casters, Brass Fdrs. & Finishers, etc.) 5 W. Lombard
*Owens, Allein W., & Co., 2 W. Preston
*Page Engineering Co. (Marine Gas Engines), 119 E York
*†§Poole Engineering & Machine Co. (Power Transmitting, Rolling Mill Mach'y, etc.)
*†§Poole, E. H. Co., 1513 Orleans
*Rau, Henry, Jr., 327 N Calvert
*Renneburg, Edw., & Son (Oyster & Fruit Packing Machines), 1917 Aliceanna
*§Richardson, Edro, Brass Co. (Castings, etc.), 316 N Holliday
*Rittenhouse Bros., 312 N Holliday
*Robins, A. K., & Co. (Stoves & Canning Mach'y.)
*†Sackett, A. J. (Fertilizer Machy., etc.), 5th av & E 1st
†Sexton, S. B. Stove & Mfg. Co. (Stoves, etc.), 7 S Gay
*Shaffer Mfg. Co. (Machinists & Pattern Makers), 408 N Calvert
*†Sheppard, Isaac A. & Co. (Furnaces, Stoves, etc.), Eastern av & Chester (See Phila., Pa.)
*Sinclair-Scott Co. (Canning & Agl. Machy. & Hdw. Specialties), Wells & Patapsco
*†§Skinner Ship Building & Dry Dock Co. (Ship Builders, etc.)
*Slaysman & Co. (Can Makers' Machy.), 125 E. Falls av
*Sloan, Frank R. & Co. (Sash, Pulleys, & Cabinet Hardware, etc.), Phoenix Bldg
*†§South Baltimore Steel Car & Foundry Co (Castings of Every Description, Forgings, Freight & Contractors' Cars & Equipments & Iron & Brass Founders & Machinists), Continental bldg
*Spedden Ship Bldg. Co. (Ship Builders), Boston c Chesapeake
*Starr, B. F. Co. (Grinding Mills, etc.) 455 North
*Stebbins, Wallace & Sons, Charles & Lomb'd
*Stevenson & Co. (Can Makers' Mach'y), 601 S. Caroline
*†Symington, T. H. Co. (Railway Specialties, etc.). Works, Corning, N. Y.
*Towson, W. W. & Co., 1028 Hillen
*§Walther, G. W., & Co.
*†§Weiskittle, A. & Sons (Stoves, Ranges, Porcelain Enameled Bath Tubs, Iron & Brass Founders), 2000 Aliceanna
*White & Middleton Gas Engine Co. (Gas Engines), Charles & Winder
*Zastrow, Geo. W. (Pineapple Machinery, etc.)
*Zies, Chas., & Sons (Eng. & Machinists), 318 S Fremont av

CAMBRIDGE—*Shackelford, Edgar
CANTON—*Canton Iron & Steel Co. (Office Baltimore)
CUMBERLAND—*Accurate Machinery & Mfg. Co. (Type Machy., etc.)
†Farrin, John A.
*†§McKaig, Merwin
†Maryland Foundry
*†§Potomac Engineering Co.
EASTON—*Peerless Machine Co. (G. W. Wingard, Prop.)
*†Withgott, W. H., & Co.
ELKTON—*McQuilkin, Geo. (Machinist.)
*McQuilkin, Geo. & Son (Electrical Appliances, etc.)
†Powers, Jas. F. Fdry. Co. (Iron Fdry.)
ELLICOTT CITY—*Patapsco Elec. & Mfg. Co.
EMMITSBURG—*†Fraley, W. A. & Bros. (Iron Fdry.)
FREDERICK—*Abbott, Jno. H. & Son (Machinists)
*†Frederick Iron Works
†Zimmerman, G. F. S. & Co. (Shutter Fasteners, etc.)
GALENA—*Hooper, F. X. (Wood Printing Machines)
†Hyland, Wm. A. (Wood Printing Ma-
GLENARM—*Hooper, Francis X. chines)
HAGERSTOWN—*†Foltz, H. C. (Iron Fdry. & Machinist)
*†Hagerstown Foundry Co.
*†Hull, D. F. & Son (Agri Implts)
HANCOCK—*†Hancock Fdry. & Machine Works
LAUREL—†Fairall Foundry Co.
LOCK—*Seavolt, J. W.
MANCHESTER—*†Shower, Wm. H.
MOUNT SAVAGE—*†Union Foundry Co.
ORANGEVILLE—*†§Weiskittle, A., & Sons Co. (See Baltimore)
PERRYVILLE—*†Armstrong Stove & Mfg. Co. (Stoves, etc.)
FORT DEPOSIT—†Bibb, B. C. Stove Co. (See Baltimore, Md.)
SALISBURY—*§Grier, F. A. & Son.
*†§Grier, R. D.
SOUTH BALTIMORE—(See Baltimore)
SPARROWS POINT—*†§Maryland Steel Co.
WESTERN PORT—*†White, P. F. (Iron Fdry.)
WESTMINISTER—*Atlantic Machine Works
*†Haller, L. A. (Machinist & Fdr)
*§Regester Co. (Brass Goods for Steam & Water, etc.)

MASSACHUSETTS.

ABINGTON—*American Worsted Machy. Co. (Worsted Machy., etc.)
*Lamson, E. F. (Machinery, etc.)
AMESBURY—*§Amesbury Brass & Foundry Co. (Brass, Manganese Bronze, etc., Castings)
*Atlantic Co. (Marine Motors, etc.)
*Pettingill Machine Co.
*Wilson, Peter A. (Files, etc.)
ARLINGTON—*Birch, A. (Textile Machy, etc.)
*Safford & Co. (Hinges)
ASHBURNHAM—*Almond, T. R. Mfg Co. Drill Chucks Countershafts, etc.)
ASHLAND—*Lombard Governor Co. (Water Wheel Governors, etc.)
Ray, Albert H. (Machinist)
ASSONET—*Davis, N. R. & Sons (Fire Arms, etc.)
ATHOL—*†Athol Machine Co. (Machinists' Fine Tools, etc.)
*§Athol Pump Co. (Pumps & Brass Castings)
*Gerry, Geo. & Son (Textile Machy.)
*STARRETT, L. S. CO. (Machinists' Fine Tools, etc.)
*Union Twist Drill Co. (Gear & Milling Cutters, etc.)
ATTLEBORO—*†Howard & Bullough American Machine Co. (See Boston)
*Mossberg, Frank, Co. (Dies, Special Machy. & Tools)
*Wilmarth, W. D., & Co. (Hardware, etc.)
ATTLEBORO FALLS—*Barnett, W.
AYER—*Chandler Machine Co.
*Chandler Planer Co. (Machine Tools)
BARRE—*Allen, Chas. G. Co. (Drill Presses, Self-Opening, Dies, etc.)
BEVERLY—*Baker, John S. (Brake Handles & Wheels, etc.)
*Smith, Ira A.
*†United Shoe Machinery Co. (See Boston)
*Cape Ann Machine Co. (Special Mach'y, Naumkeag Buffing Machine Assn. etc.)
BOSTON—*American Postal Machines Co. (Stamp Cancelling), 140 Pearl
*American Soda Fountain Co., 278 Congress
*†§American Steam Gauge & Valve Mfrs. (Gauges, Valves, etc.), 208 Camden
*†§American Tool & Machine Co. (Centrifugals, Brass Workers' Lathes, Brass & Iron Castings ,etc.), 109 Beach
*†Ames Plow Co. (Agl. Implts. & Machines), Faneuil Hall Market
*Ames Shovel & Tool Co., Ames Bldg.
*§Anderson, Albert & J. M. Mfg. Co. (Elec. Ry. Light & Power Mach'y & Brass Fdrs., etc.), 289 A
*Angell, E. E., & Co. (Check Perforators), 370 Atlantic av
*Arbetter Felling Machine Co., 242 Dover
*Armstrong, F. A. W. & Co. (Machine Screws, etc.), 364 Atlantic av
*§Ashton Valve Co. (Steam, Gas & Water Specialties & Brass Fdrs), 271 Franklin
*†Atlantic Works (Ship Engine Builders), 72 Border, E B
*Barr, Jno. A. & Co. (Machinists), 91 Wareham
*§Barrett, Jas. Mfg. Co. (Plumbers' Iron & Brass Specialties), 211 Franklin
*Barrett Bros. (Special Mach'y), 43 Haverhill
*Bartlett, Edwin E. (Bench Planers, Arbor Presses, etc.), 326 A
*Bassill, Louis (Brass Finisher), 160 Portland
§Bay State Brass Foundry, 155 A
*Beaudry & Co. (Power Hammers, etc.), 141 Milk
*Bertelsen & Petersen Engineering Co. (Ship Machinists), 140 Border, E B
*Blount & Lovell (Gear Cutting Machinery), 100 High
*Boston Bolt Co. (Bolts, Clamps, Jack Screws, etc.), 40 Farnsworth
*§Boston Brass Andiron Co. (Brass Fdrs. & Finishers), 104 Utica
*§Boston Brass Co. (Plumbers' Brass Work, Finishers & Platers), 86 Oliver
*Boston Bridge Works (Inc.) (Traveling Structural Steel Work, etc.), 47 Winter
*Boston Coin Machines Co., 381 Albany
*§Boston Coupling Co. (Machinists & Brass Finishers), 156 Pearl
*Boston Electric Co. (Elec. Specialties), 29 Harrison av Extension
*†Boston Machine Works (Marine Engines, Motor Vehicles, etc.), 65 Franklin
*Boston Motor Co. (Machinists), 43 Columbus av
*Boston Nickel Plating Co. (Brass Finishers), 160 Portland
*Boston Printing Press & Machinery Co. (Printing Machy.), 176 Federal
*§Boston Steam Specialty Co. (Steam Traps, Separators, Indicators, Lubricators, etc.), 168 Congress
*Boston & Lockport Block Co. (Tackle Blocks, Diaphragm Pumps, Differential Hoists, etc.),100 Condor
*Boylston Mfg. Co. (Shoe Machy, etc.), 183 Essex
*Bradley Pulverizer Co. (Cement & Pulverizing Machinery), 92 State
*Brown, E. R., Beer Pump Co. (Brewers' Supplies), 11 Chardon
*Brown-Talbot Machinery Co. (Motors, etc.). Old South bldg
*Burke, P. F. (Toe Calks, etc.), Dow & Dorchester av
*Buzzell, J. G. & Co. (Boot & Shoe Machy), 102 High
*Cahill, Michl. F. (Brass Ferrules, etc.), L E 1st, S. B.
*Campbell-Bosworth Machinery Co. (Harness Machinery), 205 Lincoln
*Carpenter, Lewis A. (Machinist), 27 Purchase
*Carson Trench Machine Co. (Trench & Excavating Macny, etc.). 16 Dorrance
*Champion Buttonhole Machine Co., 10 High
*†Chilson Furnace Co. (Hot Air Furnaces, Stoves & Ranges), 88 Wash'n
§Clark, D. W. & Co. (Brass Fdrs.) 280 W 1st, S. B.
*Codman, F. L. & J. C. (Buff Wells, etc.), 108 K, S. B.

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*†Coffin Valve Co. (Valves, Sluice Gates, etc.), Tolman St, Dor
*§CROSBY STEAM GAGE & VALVE Co. (Steam Specialties), 97 Oliver. (See adv. index, end of book)
*Cross Paper Feeder Co., 185 Summer
*Crowther, Joseph, 81 Haverhill
*Cummings Machine Works, 11 High
†Cunningham, J. H. Co., 289 Congress
§Dahlquist Mfg. Co.
*Dalrymple & Brissette (Machinists), 556 Atlantic av
*†Dalton-Ingersoll Mfg. Co. (Plumbers' Brass Goods), 178 High
*§D'Este, Julian Co. (Steam & Plumbing Specialties, Brass Fdrs. & Finishers), 24 Canal
*†Edson Mfg. Co. (Diaphragm & Force & Lift Pumps, etc.), 255 Atlantic av
*Electric Goods Mfg. Co. (Electrical Goods, etc.), 115 Purchase
*Elliott Co. (Addressing Machines), 100 Purchase
*Empire Laundry Machinery Co. (Laundry Mach'y). Works, Newton, Mass.
†Estabrook's, R. Sons (Soil Pipe & Fittings & Castings, etc.), 204 W 1st, S. B.
*Eyelet Tool Co., 40 Lincoln
*Fifield Shoe Machinery Co. (Shoe Machy), 53 High
*Finch, J. H. (Brass Finisher), 96 High
*Fitzhenry, E. L. & Co. (Yacht & Launch Engines, etc.), 49 Washington N
*Fowler, W. H. & Co., 88 Chardon
†Foxboro Foundry Co., 19 Congress
*Fraser Machine & Mfg. Co., 70 Freeport
*†§Gibby Foundry Co. (Brass Fdr.), 96 Condor, E. B.
§Gilchrist, Geo. E. Co. (Brass Fdrs & Finishers), 106 High
*Gillette Safety Razor Co. (Safety Razors), 41 W 1st
*Gilmore Electric Co. (Elec. Bench Grinders & Elec. Lamps, etc.), 625 E 1st, S. B.
*§Granular Metal Co. (Brass Fdrs), 77 Farnham, Rox.
*Grant Gear Works (Gears & Pinions, etc.), 6 Portland
*§Grundy, J. E., & Co. (Brass Finishers), 82 Sudbury
*†Gurney Heater Mfg. Co. (Heaters, Radiators, etc.), 188 Franklin
*†Gurney, Jas., & Co. (Castings), 202 Border
*§Hall, Wm. & Co. (Brass Fdrs & Finishers), 7 Dock sq
*Ham, L. M., & Co. (Cold Iron Sawing & Coping Machines, etc.), 158 Portland
*§Hamlin & Emery Brass Co. (Brass Goods & Castings), 26 Island, Rox.
*§Hancock Inspirator Co. (Injectors & Ejectors, etc.), 23 Watson
*Hart Mfg. Co., 352 Atlantic av
*Hart, Thos. H., & Co., 563 Rutherford av
*†§Hayden & Derby Mfg. Co., 1 Watson. Main Office: New York)
*§Hersey Mfg. Co. (Sugar & Soapmakers§ Machy, Water Meters, etc.), 314 West Second
*†Highland Foundry Co. (Stoves, Furnaces, etc.), 1341 Columbus av
*Highland Machine Co. (Machinists' & Pattern Makers, etc.), 56 Kemble, Rox.
*§Hill, Geo. Q., Co., 326 A
*§Hodgdon Brass Works (Brass Finishers, etc.), 421 Atlantic av
§Hollings, R., & Co. (Gas & Electric Fixtures), 10 Hamilton pl
*Holmes, Chas. Machine Co. (Hide & Leather Working Machinery), 209 Marginal, E B
*Howard & Bullough American Machine Co. (Ltd.) (Cotton Machinery, etc.), 65 Franklin
*Howe & Clausen (Machinists), 208 Summer
†Howes, S. M., Co. (Stoves, etc.), 40 Union
*§Hunt, Harry (Brass Finisher, Dies, etc.), 97 Haverhill
†§Hunt-Spiller Mfg. Corp. (Gun Iron Castings), 383 Dorchester av, S. B.
*Isele, Ambrose W. & Son (Tools, etc.), 51 Pitts
*Jones Mfg. Co. (Water Filters), 243 Franklin
*Knapp, Gardner & Co., 62 Sudbury
*Knapp, James M., 12 Bowker
†Krasser F. & Co. (Iron Fdrs.), 31 George
*†Laconia Car Co. Works (Electric Cars & Trucks & Malleable & Grey Iron Castings), 100 Boylston. Works, Laconia, N. H.
*Lang, J. A., & Sons (Dies, Tools & Light Mach'y), 280 Dover
†Lincoln, Geo. H. & Co. (Iron Fdrs.), foot of Alger, S. B.
†Livermore, Homer F. (Steel & Malleable Castings), 85 Pearl
*†Lockwood Mfg. Co. (Marine Engines,
*Long, J. H., Machine Co. (Machinery), 184 High
*†§Lumsden & Van Stone (Heating, Specialties, etc.), 1 Dorchester, S. B.
*Long, J. H. Machine Co. (Machinery), 184 High
*Lundin Electric & Machine Co. (Electrical Specialties), 10 Thacher
†Lundin Steel Casting Co. (Hard & Soft Crucible Steel Castings), 6 Beacon
*Lunt, Moss Co. (Gasoline Engines, etc.), 43 S. Market
§McCafferty, J. H., & Co. (Brass & Bronze Founders, etc.), 434 Harrison av
§McCaul Brass Fdry Co. (Brass Fry.), 289 South
*§Macallen Co., Foundry & Division
§McGann, T. F., & Sons Co. (Brass Fdrs. & Finishers), 104 Portland
*†McLaughlin, Geo. T. Co. (Machinery Builders), 120 Fulton
*†Magee Furnace Co. (Heating & Cooking Apparatus), 38 Union
*Marshall, Son & Co. (Book Binders & Paper Box Machy.), 226 Purchase
*Marston, J. M., & Co. (Saws, Wood Working Machinery, etc.), 226 Ruggles
*Mason Regulator Co. (Regulators, etc.), 158 Summer
*Mass. Oilless Bearing Co., 84 State
*†Mechanics Iron Fdry. Co. (Grate Bars, etc.), 88 Kimble, Rox
*Meisel Press & Mfg. Co. (Printing Presses & Slitting & Winding Mach'y), 944 Dorchester av
*Metcalf, J. C. Paper Box Machinery Co. (Paper Box Machy.), 102 Pearl
*§Mitchell, R. & Co. (Brass Finishers), 350 Atlantic av
*Moore, Geo. W. (Piano Hdw. & Tools, etc.), 15 Chardon
*Moore & Wyman Elevator & Machine Works, 72 Granite
†Morandi-Proctor Co. (Cooking Apparatus), 48 Union
§Morse, Andrew J., & Son (Fire Dept. Supplies & Brass Finishers), 221 High
*Morrison, Angus (Machinist & Elevators etc.), 18 Harvard pl
§Murdock-Shaw Co. (Bronze Files, etc.), 125 Federal
*Murray & Tregurtha Co. (Steam & Gasoline Launch Engines), 340 W 1st, S. B.
*Nary, F. E. (Brass Finisher), 51 Chardon
*National Machine & Tool Co. (Machy, Jigs, Tools, Dies, etc.), 253 A
*Nevelson & Freeman Machine Co. (Tools & Light Mach'y, Dies, etc.), 352 Atlantic av
*New England Buff Co. (Cotton Buffs, etc.), 95 Albany
*Nicholas & Stephenson (Machinists), 208 Summer
*Norton, A. O. (Ratchet Screw & Track Jacks), 286 Congress
*Nutter, Barnes & Co. (Cold Saw Cutting-Off Machines, etc.), 326 A
*†Otis Elevator Co., S. Boston
*Pattinson Mfg. Co., 48 Stanhope
*†Pilgrim Foundry Co. (Stoves, etc.), 53 Locust
*Polan[illegible] Laundry Machinery Co. (Laundry Machy), 49 Kemple, Rox.
*Poole & Price Machine Co., 25 Hartford
*Porter-Whidden Co., 132 Meridan
*Radford & Head (Dies, Tools, etc.), 102 Pearl
*Reece Button Hole Machine Co., 502 Harrison av
*Renim Specialty Co. (Electrical Specialties), Brighton Station
*Reynolds Machine Co. (Printers' Machinery), 311 Atlantic av
*Rivett Lathe Mfg. Co. (Watch Tools, etc.), 1 Brooks, Brighton
*Roberts, J. H., & Co. (Machinists), 122 Second, E. Cambridge
§Rogers, C. E. (Brass & Bronze Fdry.), 84 Beach
§Scrannage Bros. (Brass Fdrs. & Finishers), 77 Travers
Seelye Mfg. Co. (Shoe Machinery), 118 South
*Shawmut Machinery Co. (Shoe Machy), 82 Lincoln
*†Smith, G. W. & F., Iron Co. (Iron Fdrs. & Builders' Iron Wks), Gerard St. Rox
*Smith, J. T., & Co., 9 Quincy row
*†§Smith & Anthony Co. (Stoves & Plumbers' Supplies), 54 Union
*†Smith & Lovett Co. (Inc.) (Builders' Castings & Machine Work), 129 Albany
*†§Smith & Thayer Co. (Steam Heating Apparatus), 234 Congress
*Souther, John & Co. (Dredging Machines, etc.), 185 Summer
*†Standard Rivet Co. (Rivets, Rivet & Staple Setting Machines, etc.), 41 Lincoln
*§Star Brass Mfg. Co. (Steam Specialties & Brass Fdrs.), 108 E Dedham
§Star Refining Co. (Brass Fdrs., Babbitt Metal, etc.), 50 State
*§STEEL CABLE ENGINEERING Co. (Elevating & Conveying Machinery), 92 State
*Stephenson, L. & Co. (Scales), 22 Custom
*Stone, Henrie D. (Engineer & Mchnst.), 7 Sherman, Chsn
§Strater, Herman, & Sons (Brass Fdrs. & Finishers, Bar Fixtures, etc.), 74 Sudbury
*Stubbs, S. K. (Machine Knives, etc.), 20 Kemble
*§Sturtevant Mill Co. (Cement & Pulverizing Machy), Clayton c Park, Dor.
*Tarbett & Fraser, 172 Oliver
*Textile Machinery Co. (Flyers, etc.), 60 India
*Trimont Mfg. Co. (Wrenches), 55 Amory av, Rox.
*Tucker, Frank S. (Metal Specialties), 1 Hartford
*Tufts, Nathaniel, Meter Co. (Gas Meters), 455 Commercial
*Underhill Bros. (Edge Tools), 6 Sherman, Chsn
*§Union Brass Works Co. (Brass Fdrs. & Finishers), 421 Atlantic av
*Union Scale Co. (Automatic Scales, etc.), 14 L, S. B.
*United Printing Machinery Co. (Photo-Engraving Machy, etc.), 246 Summer
*†United Shoe Machinery Co. (Shoe Machinery), 205 Lincoln
*†§U. S. Navy Yard, Charlestown
*Universal Winding Co. (Textile Machy), 95 South
*Wade Machine Co. (Punches, Dies, etc.), 133 Oliver
*Walker, G. A., Machine Co. (Bench Vises, etc.), 51 Chardon
*†Walker & Pratt Mfg. Co. (Stoves, Furnaces, Radiators, Cooking Apparatus, etc.), 33 Union
*†§Walworth Mfg. Co. (Pipe Cutting & Threading Machines, Stocks & Dies, & Iron & Brass Fdrs, etc.), 132 Federal
*Welch, T. F., & Co. (Gears & Specialties), 55 Sudbury
*Whitney, Frank E., 65 Sudbury
*†Whittier Machine Co. (Elevators, Iron Fdrs., etc.), 53 State
*Wold Machine Co., 14 L
*†Wollaston Foundry Co. (Machy, Piano Plate & Light Castings), 185 Summer. Works, Wollaston, Mass.
*Woods, S. A. Machine Co. (Woodworking Machy, etc.), Dorr st, S. B.
*Wyke, John & Co. (Machinists' Tools, etc.), 808 Saratoga, E. B.

BRAINTREE—*Dow Portable Electric Co. Spark Plugs, etc.)

BRIDGEWATER—*Continental Gin Co. (Cotton Gins, etc.)
*†§Perkins, Henry, Co. (Iron Fdrs. & Wire Nail Machy.)
*§Stanley Works (See New Britain, Conn.)

BROCKTON—*Postock, Thos. & Sons (Machinists)
*Brockton Die Co.
*Donnelly Machine Co.
*Independent Die Co.
*Kimball Bros. & Sprague (Nail Mill & Tack Machy, etc.)
*Knight, Geo. & Co. (Machinists)
*Pickard Bros. (Machinists)
†Pratt Foundry Co.
*Scott, Geo. V. Co. (Machinists)
*Tuck Mfg. Co. (Shoe Knives, etc.)
*†United Shoe Machinery Co. (Shoe Machy), (See Boston, Mass.)

BROOKLINE—*†Holtzer-Cabot Electric Co. (Electric Machy. & Specialties)

CAMBRIDGE—*†Barbour-Stockwell Co. (Street Railway Specialties & Castings)
*Blanchard Machine Co. (Fertilizer & Soap Makers' Machinery)
*Boston Bridge Works (Inc.). (See Boston)
*Boston Tool Co. (Tools, etc.)
*§Boston Woven Hose & Rubber Co. (Hose Couplings, Nozzles, etc.)

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†Broadway Iron Foundry Co. (Iron Fdrs.)
*Clark & Mills Elec. Co. (Electric Specialties). (See Boston, Mass.)
*Davis, F. H. (See Boston, Mass.)
*Field, Walter W. (Hoisting Engines, etc.)
*Harvard Marine & Auto Co. (Engines, etc.)
§Hayden, Geo. W. (Brass Fdry.)
*†§International Steam Pump Co. (Knowles Steam Pump Works Dept.)
*Kanaly, M. E. Co. (Door Hangers, etc.)
*†**MEAD-MORRISON MFG. CO.** (Hoisting & Conveying Machinery). (See adv. index, end of book)
*†Roberts Iron Works Co. (Fdrs., etc.)
*Roberts, Jas. H. & Co. (See Boston, Mass.)
*†Riverside Boiler Works
*Seelye Mfg. Co. (Shoe Machy., etc.)
*Shaw, Hamlin J.
*Simplex Electric Heating Co. (See Boston, Mass.)

CHELSEA—*†Griffin Wheel Co. (Car Wheels) (See Chicago, Ill.)
*International Heater Co. (of Utica, N. Y.)
*†Lovewell-Henrici Co. (Laundry Machy.)
†Lundin Steel Casting Co. (See Boston, Mass.)
*†Magee Furnace Co. (See Boston, Mass.)
*†Snow, W. A. Iron Works (Stable Fixtures & Ornamental Iron Works, etc.)

CHESHIRE—*†Colt, Samuel G.

CHICOPEE—*§Ames Sword Co.
§Mosman, M. H. (Bronze Fdr.)
*National Scale Co. (Computing Scales & Counting Machines)
*Page-Storms Drop Forge Co.
*†§Spalding, A. G., & Bros. Mfg. Co.

CHICOPEE FALLS—*†Belcher & Taylor Agricultural Tool Co. (Agrl. Implts. & Tools)
*†Lamb Knitting Machinery Co. (Textile Machy.)
*Stevens, J. Arms & Tool Co. (Fire Arms & Machine Tools, etc.)

CLINTON—*†§Clinton Foundry Co. (Machinists' Iron & Brass Castings for Builders & Machinery)

CONCORD—*Hancock, W. C.

DALTON—*Jordan, G. J. (Machinists)
*†Pittsfield Spark Coil Co. (Coils, Dynamos, etc.)

DANVERS—*Nightingale, J. Ellis

DEDHAM—*Shatswell, H. K. & Co. (Machinists & Power Launches)

EAST BRAINTREE—*§Victor Metals Co.

EAST BRIDGEWATER—*†—Carver Cotton Gin Co. (Cotton Gins, etc.)
†§Old Colony Foundry Co.

EAST BRIMFIELD—*Snell Mfg. Co. (Ship Augers, etc.)

EAST DOUGLASS—*American Axe & Tool Co. (Axes, Edge Tools, etc.)

EASTON—*†Belcher Malleable Iron Co. (Malleable Iron & Steel Castings)

EAST TEMPLETON—Bay State Metal Wheel Co.

EVERETT—*Bent, G. W. & Co. (Iron & Brass Bedsteads)
*Blount, J. G. & Co. (Machine Tools)
*†Massachusetts Steel Casting Co. (Steel Castings, etc.)
*†New England Structural Co. (Builders' Iron & Steel Work)
*Porter, Henry K. (Bolt Clippers, etc.)
*Waters Governor Co. (Governors, Valves, etc.)

FAIRHAVEN—*†Fairhaven Iron Foundry Co. (Iron Fdrs. & Steam Motors, etc.)

FALL RIVER—*Bates, Geo. A., & Son (Machinists)
*Belcher Motor Co. (Gasoline Engines, Models, etc.)
*Covel Machine Co. (Machinists)
§Creighton, Thos. J. Co. (Brass Fdrs.)
*†§Fall River Fdry. & Machine Co. (Iron & Brass Castings & Cotton Machy.)
*Fall River Steam & Gas Pipe Co. (Machinists, etc.)
*Fyans, Fraser & Blackway Co.
*Kay, H. E. (Est. of) (Lathes, Chucks, etc.)
*†Kilburn, Lincoln & Co. (Textile Machy., Looms & Water Wheels, etc.)
*†§Mechanics' Foundry & Machine Co. (Iron & Brass Fdrs. & Machinists)
*Shea Bros. (Machinists)
*Thurston, A. G. & Son (Machinists)

FISKDALE—*Snell Mfg. Co. (Augurs, Bits, Countersinks, Nails, etc.)

FITCHBURG—*Bath Grinder Co. (Emery Grinding Machy)
*Blake Pump & Condenser Co. (Steam Pumps & Condensers)
*Brown Bag Filling Machine Co. (Paper Bag & Envelope Machines, etc.)
*Brown, C. H. Engine Co. (Egines, etc.)
*Cowdrey, C. H. Machine Works (Woodworking & Special Machy)
*Deane, Herbert C. (Special Machy, etc.)
*†Fitchburg Machine Work (Machine Tools, etc.)
*Fitchburg Steam Engine Co. (Engines, etc.)
*†Goodnow, L. H. Foundry Co. (Iron Fdrs, Heavy Fly Wheels, Engine or Machine Castings)
*§Hardy, Wm. A., & Sons Co. (Brass & Bronze Castings, Screen & Suction Plates, etc.)
*Henneman Coffee Roaster Co. (Coffee Roasting Machy)
*†Johnson's, Iver Arms & Cycle Works (Fire Arms, Bicycles, etc.)
†Perault, Moses J. (Iron Castings, Fly Wheels, Pulleys, etc.)
*†§Putnam Machine Co. (Machine Tools, Woodworking Machy, Steam Engines, Brass Fdrs, etc.)
*Sawyer Tool Mfg. Co. (Tools, etc.)
*Simonds File Co. (Files, etc.)
*Simonds Mfg. Co. (Saws, Machine Knives, etc.)
*Thomson, Alex. (Boiler Makers' Tools)
*Tyrrell, Harlan P.
*†Union Foundry Co.
*†Union Machine Co. (Paper & Pulp Mill Machinery & Iron Fdrs)
*§Union Screen Plate Co. (Brass Fdrs, Screen & Suction Plates, etc.)
*Wachusett Machine Co. (Woodworking Machinery)
*Waymouth, A. D. & Co. (Variety Wood-Turning Lathe)
§Welch, E. J. & Co. (Brass Fdrs.)
*Wilder, Chas. W. (Wood-Turning Lathes, etc.)
*Wilder, Levi (Lathes, etc.)

FLORENCE—*†Florence Co. (Oil Stoves, etc.)
*†Norwood Engineering Co. (Iron Fdrs. & Machinists, Fire Hydrants, Water Fittings for Mills, etc.)

FOXBORO—*†§Foxboro Foundry Co.
*†§**STANDARD GAUGE MFG. CO.** (Electrical Specialties, Steam Gauges, etc.). (See adv. index, end of book)

FRANKLIN—*†§Golding Mfg. Co. (Printing Machinery)
*Rose, Jas. F.

GARDNER—*Aizinger, Napoleon
*Bancroft & Barnard (Machy.)
†Central Oil & Gas Stove Co. (Gas & Oil Stoves & Heaters)
†§Gardner General Foundry Co.
*Gardner Machine Co.
*Gardner Machine Works (E. N. & W. H. Hobby, Props.) (Chair Machy, etc.)
†§Gardner General Foundry Co.
†Hoglund, G. E., Foundry Co.
*†§McKnight, L. G., & Son Co. (Chair & Woodworking Machinery)
*Sawin, Edw. H. (Special & Chair Machy)
*Simplex Time Recorder Co. (Time Recorders)

GLOUCESTER—*†Cape Ann Anchor Works
†§Reed, Geo. A., & Son
*Richardson's, N. Sons Mfg. Co.
*Stoddard, Adam P. & Co. (Machinists)

GREAT BARRINGTON—†Stevens, Geo. A.

GREENFIELD—*American Tap, & Die Co. (Taps, Dies, etc.)
*Conant & Donelson Co. (Screw Cutting Tools, etc.)
*Goodell Mfg. Co. (Machinists' Small Tools, etc.)
*Goodell-Pratt Co. (Drills, Hack Saws, etc.)
*Greenfield Machine Co. (Machine Tool Grinders)
*Massachusetts Tool Co. (Surface Gauges, Micrometers, etc.)
*†Noyes, B. B., & Co. (Drills, Vises, etc.)
*Reese, E. F. Co. (Taps, Dies, Bolt Cutters, etc.)
*Smart, A. J. Mfg. Co. (Taps & Dies)
*WELLS BROS. CO. (Machinists' Fine Tools, etc.) (See adv. index, end of book)
*Wells, F. E. & Son Co. (Pipe Tools, etc.)
*†Wiley & Russell Mfg. Co. (Machine Tools, etc.)
†Wing, Chauncey (Pattern Works, etc.)

HARVARD—*Hildreth Bros. (Kindling Wood Machy., etc.)

HATFIELD—*Porter Machine Works (Lathes, etc.)
*Shattuck, C. S. (Fire Arms, Hammerless, etc.)

HAVERHILL—*Allen Machine Co. (Shoe Machinery)
*Beckett & Hammond Machine Co.
*Briggs Belmar Edge Tool Co.
*Busfield, Jas. (Machinist)
*Eureka Machine Co. (Machinists)
*Haverhill Fire Appliance Co.

HAYDENVILLE—*§Bay State Brass Co. (Plumbers' Brass Goods)
*†§Haydenville Co. (Brass & Iron Goods for Water, Steam & Gas)
§Ryan Bros. (Plumbers' Supplies)

HOLLISTON—*Wilder, Sidney & Co. (Pumps, etc.), Washington st

HOLBROOK—*C. A. C. Axe Co. (Edge Tools, etc.)

HOLYOKE—§Barlow Mfg. Co. (Brass Castings & Metal Works)
*†**COBURN TROLLEY TRACK MFG.** Co. (See adv. index, end of book)
*†Dean Steam Pump Co. (See International Steam Pump Co., New York City)
§Higgins & Co. (Composition, Brass, Aluminum, Aluminum Bronze, Phosphor Bronze Castings, etc.)
*Holyoke Bar Co. (Machine Knives, etc.)
*†Holyoke Machine Co. (Paper & Pulp Mill, Cotton Mill, Power Transmitting & Wood Barking Machy)
*†Holyoke Motor Foundry Co.
*§Holyoke Valve & Hydrant Co. (Valves Hydrants, etc.)
*†Jolly, J. & W. (Paper & Pulp Mill Machinery, etc.)
*Judson & Williams (Screen Plates, etc.)
*Koegel, Chas. & Son (Wire Spooling Machines, etc.)
§Paper City Brass Foundry
*†Perkins, B. F. & Son (Paper & Pulp Mill Machy.)

HOPEDALE—*†§Draper Co. (Textile Machy., Looms, etc.)
*§Roper, C. F., & Co.
*Westcott, A. A., & Sons (Spindles, etc.)

HOPKINTON—*Fyreberg, Andrew, & Son Mfg. Co. (Fire Arms)

HUDSON—*Lapointe Machine Tool Co. (Keyseat Broaching Machines, Adjustable Reamers, Toolmakers, etc.)
*Tower Bros. (Machinists)
*Universal Boring Machine Co. (Boring Machines)
*Woodward, W. A. (Machinists)

HYDE PARK—*†§American Tool & Machine Co. (See Boston)
*†Becker Milling Machine Co. (Machine Tools, etc.)
*†New England Steel Casting Co.
*†§Sturtevant, B. F. Co. (Blowers, Engines, Generating Sets, etc.)
*Robinson, John T. Co. (Book Binder, Card Cutting & Paper Box Machy.)

INDIAN ORCHARD—*†§Chapman Valve Mfg. Co. (Valves, Hydrants, Water Works Supplies, etc.)
*Hough Cash Recorder Co.
*Metallic Drawing Roll Co. (Textile Machy, etc.)

LAWRENCE—*Co-Operative File Co. (Files, etc.)
†Davis Foundry Co. (Iron Fdrs.)
*Dillon Machine Co. (Paper Mill Machy.)
*Emerson Mfg. Co. (Paper & Pulp Mill Machy.)
§Fallon, T. F. & Co.
*†Hamblet Machine Co. (Paper Mill Machinery)
*†Horne, J. H. & Sons Co. (Paper Mill Machy., etc.)
*†Lawrence Machine Co. (Engines, Pumps, etc.)
*†Lawrence Pump & Engine Co. (Pumps, etc.)
*McCabe, E. & Co. (Machinists)
*McCaffrey, John (Machinist & Loose Pulleys, etc.)
†Merrimack Iron Foundry
*Mills Machine Co. (Machinists)
*Sprague, L. Co. (Bobbins, etc.)
*Stanley Co. (Shoe Machy., etc.)
*§Watts Regulator Co. (Machinists & Brass Finishers)

LEE—*†§Clark, H. C., & Son Machine Co. Paper Mill Machinery, etc.)

LEEDS—Northampton Emery Wheel Co. (Emery Wheels & Grinding & Polishing Machy.)

LEOMINSTER—*Cook, F. H. & Co. (Comb & Hairpin Machy.)
Grimes & Harris (Button Machy.)
*Smith, A. A. (Machinist)
*Stowell, J. A. Co. (Saw Benches, Buzz Planers, Polka Machines, etc.)

LEXINGTON—*§Jefferson Union Co. (Brass Fdrs., Flange Couplings, Pipe Unions, etc.)

LOWELL—*American Mason Safety Tread Co.
*Bagshaw, W. H. (Estate) (Textile Machy., etc.)
*Barker, H. R. Mfg. Co. (Machinists)
*Bennett Bros. Gas Engine Co. (Windmills, Gasoline Engines, etc.)
*Cady, Geo. L. & Sons (Machine Tools, Book Trimming Machines, etc.)
*Carey, W. W. Co. (Woodworking Machy.)
†City Iron Foundry

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*Dennis, John & Co. (Textile Machy.)
*Dodge, Chas. S. (Textile Machy., Pick-
†Doherty Bros. (Iron Fdrs.) ers, etc.)
*Entwhistle, T. C. Co. (Textile Machy.)
*Fifield, Geo. W. (Heavy Lathes, etc.)
*Gee, Chas. E. (Machinist)
*Hope, Wm. A., & Co. (Milled Screws, etc.)
*†Kitson Machine Shop (Special Machy.)
*Knapp, Arthur P.
*Knowles Scale Works (Scales & Weigh-
*Lahue, M. M. & Co. ing Machines)
*Lovejoy, Daniel & Son (Machine Knives, etc.)
*†§Lowell Machine Shop (Cotton Machy.,
*Lowell Shuttle Co. etc.)
*McBride Machine Co. (Wool Machy., etc.)
*Middlesex Machine Co. (Machinists)
*New England Motor Co. (Dynamos &
*†Nichols Foundry Co. Motors)
*Parker, Frank
*Perkins, Francis S. Co. (Lathes, etc.)
†§Pevey Foundry Co. (Iron, Brass, Comp.
White Metal Fdrs., Wool Washing Ma-
†Robinson, James P. chines, etc.)
*Stott, Sam'l E. & T. (Machine Wool Combs & Textile Machy)
*Turner, John D. (Jack Screws)
*Turner, J. S. Mfg. Co. (Worsted Roll Covering Machines)
†Union Iron Foundry Co.
§Union Brass Fdry. Co. (Brass & Com-
*U. S. Cartridge Co. position Castings)
*Upton & Gilman
*Wilson, D. H. & Co. (Textile Machy.,
*Wrigley, Wm. & Co. etc.)

LYNN—*Allen Machine Co. (See Haverhill, Boston Machine Works Mass.)
†Central Iron Foundry Co.
*Bresnahan Shoe Machinery Co. (Shoe Machinery)
*Cilley, W. W. & Co. (Shoe Stitchers)
§Dempsey, John F., & Co.
*Dwyer Machine Co.
*Ellison, Albert W. (Leather Machy.)
*Embree, W. F. & Co. (Machinists)
*Essex Machine Co. (Machinists)
*Essex Engine Co.
*Gallagher, Bernard.
*†§General Electric Co. (Thomson-Houston Plant). (See Schenectady, N. Y.)
*Hart, T. F.
*Hemingway, John & Son (Woodworking Machinery)
*Hemingway Machine Co. (Leather
*Holmes, E. M. (Machinist) Machy.)
*Knox, Joseph E., Co. (Cutting Dies, etc.)
*Osborne, J. W. & Co. (Shoe Stitchers)
*Robinson, Henry (Est of) (Dies, etc.)
†Smith Iron Foundry, Inc. (All kinds of Light and Heavy Castings)
*Stanbon, Chas. P. & Co. (Shoe Machy.)
*Quarmby & Hilliker (Shoe Machy., etc.)
*Stephenson, Chas. H. (Plumbers' Specialties)
*Stewart Bros. (Shoe Machy.)
*Thomson Electric Welding Co. (Elec. Welding Apparatus)
*Young, W. J. Machinery Co.

MANSFIELD—*Bay State Tap & Die Co. (Taps, Dies, etc.)
*Card, S. W. Mfg. Co. (Dies, Taps, Reamers, etc.)
*†Chilson Furnace Co. (Hot Air Furnaces, Stoves & Ranges). (See Boston)
†Mansfield Furnace & Coal Co.
†Shields Foundry Co. (Iron Fdrs.)

MARLBORO—*Marlboro Electric Machine & Lamp Co.
*†Parsons, Henry, & Son (Special Machy., etc.)

MEDFORD—*Scott & Sons Co. (Chucks, etc.)
*Wellman Co. (Shoe & Special Machinery)

MERRIMAC—*England, Geo. W.
*§Jonah & George (Brass Specialties)
§Murphy, Geo. W. J., Co.
§Murphy, John H.

METHUEN—*†Sanborn Furnace Co. (Hot Air Furnaces, etc.)

MIDDLEBORO—†Le Baron Foundry Co. (Iron Founders)

MILFORD—*Damon, J. F. (Machinist)
'Edmands, A. B. (Paper Box Machinery)
†Milford Iron Foundry (Iron Fdrs.)

MILLBURY—*Buck Bros. (Edge Tools, etc.)
*Buck, Chas., Edge Tool Co. (Edge Tools, etc.)
Oakley Steel Foundry Co. (Steel Castings, Rail Bonds, etc.)
†Worcester Steel Foundry Co. (Steel &

MILLERS FALLS—*†Millers Falls Co. (Machinists' Fine Tools & Hardware Specialties, etc.)

NATICK—*Brewer, A. G. (Machinist)

NEW BEDFORD—†Acushnet Iron Co.
*Baker Machine Co. (Machinists)
*Morse Twist Drill & Machine Co. (Twist Drills, etc.)
*§New Bedford Boiler & Machine Co. (Valves & Machinists, etc.)
*†New Bedford Foundry & Machine Co.
*New Bedford Shuttle Co. (See Boston,
*Rankin & Arnold Mass.)
†Swift, Augustus
*Tripp, Frank S.

NEWBURYPORT—*†§Russell, Albert, & Sons Co. (Iron Fdrs. & Machinists)

NEWTON—*Empire Laundry Machinery Co. (Laundry Mach'y). (See Boston, Mass.)

NEWTON CENTER—*EVANS FRICTION Cone Co. (Pulleys, etc.), 1288 Center. (See adv. index, end of book)
*Gooch, Arthur M.

NEWTON UPPER FALLS—*Gamewill Fire Alarm Telegraph Co.
*†Saco & Pettee Machine Shops (Textile Machinery)

NORFOLK DOWNS—*Boston Gear Works (Gears, Bushings, Bearings, etc.)

NORTH ADAMS—*Arnold Print Works
*†§Hunter, Jas., Machine Co. (Power Transmitting & Textile Machy.)

NORTHAMPTON—*Herrick, Chas. B. (Mchst.)

NORTH ANDOVER—*†§Davis & Furber Machine Co. (Textile Machy.)

NORTHBORO—*Whiting Mfg. Co. (Cash Registers, etc.)

NORTH DIGHTON—†North Dighton Co-Operative Stove Co. (Stoves)

NORTH CHELMSFORD—*†Chelmsford Fdry. Co.
*North Chelmsford Machine & Supply Co.

NORTH PLYMOUTH—*†Seaside Foundry Co.

NORWOOD—*†Plimpton, J. E., & Co.

OAKHAM—†Dean, Walter R. (Furnaces, etc.)

ORANGE—*†Chase Turbine Mfg. Co. (Machinists, Millwrights & Fdrs.)
*†§Hunt, Rodney, Machine Co. (Textile Machinery, Pumps, etc.)
*Leavitt Machine Co. (Valve Re-Seating Machy.)
*†New Home Sewing Machine Co. (Sew-

OSTERVILLE—*§Leonard ing Machines)

OTTER RIVER—†Lord, Stone & Co. (Stoves,

PALMER—*†Francis, Ralph D. etc.)

PEABODY—*Boyle, John Machine Co. (Machinists)
†Marine Hardware Co. (Marine Hdw., etc.)
*Newell & Knowlton, Inc. (Grease Extractors, etc.)
*†Peabody Leather Machy Co. (Leather Machy, etc.)
*†Turner Tanning Machinery Co. (Hide & Leather Working Machinery)

PEPPERELL—*Blake, H. & Son (Machinists)

PITTSFIELD—*†Chapel, A. M. Machine Co.
*†Jones, E. D. & Sons Co. (Paper Mill & Power Transmitting Machy.)
*§Stanley, G. L., Electric Mfg. Co. (Generators, Elec. Machinery, etc.)
*Triumph Voting Machine Co.

PLYMOUTH—*Mixter, J. W., Saw Tool Co. (Saws, Gummers, Swages, etc.)
*†Plymouth Foundry (Gas & Oil Stoves, etc.)

QUINCY—*†Fore River Ship Building Co. (Iron & Steel Ships & Marine Engines, etc.)
*Lizotte, Jos. & Co. (Gas & Gasoline Engines)
*†Wollaston Foundry Co. (See Boston, Mass.

READVILLE—*†Stafford Co. (Textile Weaving Machinery, etc.)

ROCHDALE—*Hankey, A. & Co. (Knives,

ROCKLAND—*Arnold, H. H. etc.)

SAGAMORE—*Keith Car & Mfg. Co. (Car Mfrs.)

SALEM—*Atwood & Morrill (Steam Specialties)
†Central Iron Foundry Co.
*Dinamore Mfg. Co. (Textile Machy.)
†Eagle Iron Foundry (Inc.)
*Goodell, Zina (Machinist)
*†§Locke Regulator Co. (Steam Specialties)
*Martin, Wm. F. (Leather Finishing Machines)
*Patten, Paul B. (Motors, Car Lifts, etc.)
*Rood, John (Gasoline Engines, etc.)
*Salem Elevator Works (Elevators, etc.)
†Salem Iron Foundry (Inc.)
*§Spencer Regulator Co. (Steam Specialties, etc.)
§Waters, Andrew S.

SALISBURY—*Weare, Samuel W.

SHELBURNE FALLS—*Ducharmee & Co. (Small Tools, etc.)
*Goodell Tool Co. (Small Tools, etc.)
*Mayhew, H. H. Co. (Small Tools, etc.)

SHREWSBURY—*Bement & Gaskill

SOMERSET—†Somerset Stove Foundry Co. (Stoves)

SOMERVILLE—*Berry, Charles E.
*Birch Bros. (Textile Machy.)
*Forg, Peter (Machinist & Machy.)
*Phillips Co. (Lubricators, Oil Cups, etc.)
*Roberts Mfg. Co. (Bolt & Wire Clippers, etc.)
†Somerville Iron Foundry (Iron Fdrs, etc.)

SOUTHBRIDGE—*Putney, Newton E.

SOUTH EASTON—*White, F. H. & Co.

SOUTH EGREMONT—*Bliss Mfg. Co.
†Dalzell Axle Co. (Carriage Axles, etc.)

SOUTH FRAMINGHAM—†American Foundry Co. (Castings, etc.)
*American Roller Bearing Co. (Ball and Roller Bearings, etc.)
*†Robb-Mumford Boiler Co. (Inc.) (Steam Boilers & Machinists)

SOUTH SUDBURY—*†Hurlbut-Rogers Machine Co. (Machine Tools, etc.)

SPENCER—*Goddard, John E. (Machinist)

SPRINGFIELD—*Allen-Randall Co. (Bolt Cutters, Special Drop Forgings, etc.)
*American Electric Switch Co. (Electric Switches)
*Antiseptic File Co. (Files, etc.)
*Bacon & Donovan Engine Co.
*Barney & Berry (Skates, etc.)
*†Bausch Machine Tool Co. (Machine Tools & High Grade Castings, etc.)
*†Bemis Car Truck Co. (Electric Car Trucks, etc.)
*Bemis & Call Hardware & Tool Co. (Tools, etc.)
*Blair Mfg. Co. (Lawn Mowers)
*Bullock Mfg. Associates (Watchmakers' Tools, etc.)
*§Chapman, J. B. & Co. (Machinists, Composition Castings, etc.)
*†Confectioners' Machinery & Mfg. Co. (Confectioners' Machinery)
*Eldredge Elec. Mfg. Co. (Elec. Specialties)
*§Emory, P. P. Mfg. Co. (Brass Finishers & Fdrs, etc.)
*Ford, Humphrey (Brick Press Machy, etc.)
*Gilbert & Barker Mfg. Co. (Gas Machines)
§Hampden Brass Co. (Brass & Composition Castings)
*†Hampden Corundum Wheel Co. (Emery & Corundum Wheels, Machinery, etc.)
*Hannan & Finton Co. (Machinists)
†Hawkins, R. F. Iron Works (Builders' Iron Work, Grey Iron Castings, Engines, Forgings, Bridges, etc.)
*Hendee Mfg. Co. (Motor Cycles)
*§Hercules Float Works (Aluminum & Brass Castings)
§Millet Brass Co. (Brass, Bronze & Aluminum Castings, etc.)
Hopkinson Machine Works (Envelope Machines & Drill Vises), 28 Taylor
*Marell & Smith (Jack Screws, etc.)
*†NEW ENGLAND ROLLER GRATE Co. (Grate Bars & Castings of All Descriptions)
*OTIS ELEVATOR CO. (See New York City. (See adv. index, end of book)
*Piper, E. J. (Paper Ruling Machines, etc.)
*Russell, John W. (Button Machines & Special Machinery)
*Smith & Wesson (Revolvers, etc.)
*Spencer, John S., Machine Works
†Springfield Foundry Co. (Builders' Iron Work, etc.)
*Springfield Iron Works (Machine & Drop Forgings, Elevators, Machine Work of all Kinds)
*Stacy, E. S. Machine Co. (Machine Work of all Kinds), 41 Taylor
*§Stebbins, E. Mfg. Co. (Brass Fdrs. & Finishers, Plumbers' Brass Goods)
*Swaine, Jno (Machinist & Blacksmith, Iron & Steel Forgings, etc.)
*Waltham Watch Tool Co. (Machine & Watchmakers' Tools, etc.)
*†Wason Mfg. Co. (R. R. Cars, etc.)

STOCKBRIDGE—*Yale, L. M. (Machinist)

SUTTON—*Rice, H. F. (Mill Machy, etc.)

TAUNTON—*Campbell Printing Press Mfg. Co. (Printing Presses, etc.)
*†Cell Drier Machine Co. (Drying Machines, etc.)
*Dary Ring Traveler Co. (Ring Travelers, etc.)
*†Dighton Foundry Co.
*Easternhouse Engine Co. (Engines, Motors, etc.)
*Etna Co. (Twist Drills, etc.)
*†Huber-Hodgman Printing Press Co. (Printing Presses)

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*Lincoln-Williams Twist Drill Co. (Drills, etc.)
*†§Mason Machine Works (Textile Machinery)
*New Process Twist Drill Co. (Twist Drills, etc.)
Strange, Chas. E. (Box Makers', Stave & Heading Machy, etc.)
*Strange, E. W. & Co. (Machinists)
*Taunton-New Bedford Copper Co.
†Thomas, Oscar G. (Stoves & Iron Fdry.)
§Trefethen, Daniel A. (Brass Fdry.)
*†Weir Stove Co. (Stoves)
*†White-Warner Co. (Stoves, etc.)
WAKEFIELD—*Purrington, Elwin L.
*§Sanitas Mfg. Co. (Plumbers' Specialties)
*†§Smith & Anthony Co. (Stoves, Ranges & Plumbing Specialties)
WALPOLE—*†Fales, L. F. (Special Machinery, Paper Slitting Machines, etc.)
WALTHAM—*American Watch Tool Co. (Watchmakers' Machines & Tools)
*Ames, B. C. & Co. (Watch & Clock Machy., etc.)
*†Davis & Farnum Mfg. Co. (Cast Iron Pipe, etc.)
*STARK TOOL CO. (Clock & Watchmakers' Tools, Precision Lathes, etc.) (See adv. index, end of book)
*SUPERIOR CORUNDUM WHEEL Co. (Grinding & Polishing Machinery, etc. (See adv. index, end of book)
*Waltham Emery Wheel Co.
†§Waltham Foundry Co. (Iron & Brass Castings, etc.)
*WALTHAM MACHINE WORKS (Watch & Clock Machy.) (See adv. index, end of book)
*Waltham Mfg. Co. (Motor Cycles, etc.)
*Waltham Watch Co. (Watches, etc.)
WARREN — *†§MONARCH VALVE & Mfg. Co. (Valves, Hydrants & Waterworks Supplies, etc.) (See adv. index, end of book)
*†§Perkins Machine Co. (Drop Hammers, Power Presses, Punching & Shearing Machy., etc.)
*†Warren Steam Pump Co. (Steam Pumps, etc.)
WATERTOWN—*Massachusetts Fan Co. (Blowers, Fans, etc.)
*§Non-Corrosive Metal Co. (Carriage Hardware, Rustless Nickel Steel & Phosphor Bronze Castings)
*†§U. S. Arsenal Foundry
*†§Walker & Pratt Mfg. Co. (Stoves, Furnaces, Radiators, Cooking Apparatus, etc.). Office, Boston, Mass.
WEBSTER—*†§Prescott, J. B., & Son
WEST BOYLSTON—*Ovenden, W. C.
WEST BRIDGEWATER—*Shipman, George (Eyelet Machinery)
WESTFIELD—*Foster Machine Co. (Machinists & Textile Machy.)
*Lounsbury, Chas. J.
*Moore, M. E. & Son (Whip Machy.)
*Palmer, Henry A. (Machinist)
*†Pope Mfg. Co. (Bicycles, etc.)
*Rogers & Whiting Co. (Hardware, etc.)
*†Smith, H. B. Co. (Steam Heating Apparatus, Radiators, etc.)
WESTFORD—*†Sargent's, Chas. G. Sons (Wool Working Machy.)
WEST MANSFIELD—*Richardson & Bottomley (Shuttle Irons, etc.)
WEST WAREHAM—*†§Tremont Nail Co.
WHITINSVILLE—*†§Whitin Machine Works (Textile Machy.)
*Whitinsville Spinning Ring Co.
WHITMAN—*Pearson, Walter, & Co. (Machinist)
WILLIAMSBURG—*Thayer Mfg. Co. (Small Tools, etc.)
WINCHENDON—*†Alaska Freezer Co. (Ice Cream Freezers, etc.)
*Goodspeed Machine Co. (Woodworking Machinery)
*†§Hill & Bosley (Iron Founders)
*New England Lock & Hinge Co.
*†Whitney, Baxter D. & Son (Woodworking Machy.)
WINCHESTER—*Whitney Machine Co. (Machinists)
WOBURN—*Clemson, Francis W. (Curriers' Tools, etc.)
*†§Smith & Wallace (Elec. R. R. Supplies)
*†§Woburn Machine Co. (Machinists & Millwrights)
WORCESTER—*Adams, John J. (Dies, Rice Machy., etc.), 81 Mechanic
*†American Steel & Wire Co. of New Jersey (See Chicago, Ill.)
*†Ames Plow Co. (See Boston)
†Arcade Malleable Iron Co. (Steel & Malleable Iron Castings), Washington sq
†Barr, H. G. (Drills, etc.)
*Boynton & Plummer (Machine Tools, etc.)
*Brown, Wm. H., Co. (Carders' Tools), 81 Mechanic
*Brownell, G. L. (Spring Twisting & Spinning Machy., etc.), 49 Union
*Burlingame, A., Co. (Steam Engines, etc.)
§Cahill Mfg. Co. (Brass Fdrs. & Finishers)
*COATES CLIPPER MFG. CO. (Sheep Clippers, Flexible Shafts, etc.). (See adv. index, end of book)
*COES, LORING & CO., Inc. (Machine Knives, etc.) (See adv. index, end of book)
*COES WRENCH CO. (Wrenches, etc.), Coes sq. (See adv. index, end of book)
†Colvin, J. A. (Iron Fdry.)
*†Crompton & Knowles Loom Works (Textile Machy.), Grand & Tainter
*†Curtis & Marble Machine Co. (Textile)
*Dawson Machine Co.
*Desper, H. A., Co.
*Dugar, Edelbert, 54 Herman
*Eagan, Thomas F., Hardware Co., Blithewood av
*Economic Machinery Co. (Label Machy.)
*Elliot & Hall (Cloth Folders), 54 Hermon
*Fairbanks, Geo. L., & Son, 166 Union
*Gessner, David (Textile Machinery), 172 Union
*Greendale Gas Engine Co. (Gas & Oil Engines), W Boylston & Fales
*Hardy, L., Co. (Machine Knives, etc.)
*Harrington & Richardson Arms Co. (Fire Arms, etc.), 320 Park av
*Harris Car Co. (Automobile & Lunch Wagons)
*Harwood & Quincy Machine Co. (Woolen Machines)
*Heald Machine Co. (Machine Tools & Grinding Machy.)
*Hobbs Mfg. Co. (Paper Box & Woodworking Machy., etc.)
*†Holyoke Machine Co. (See Holyoke, Mass.)
*Jacques, John & Son (Shears & Cord Cutting Machy.), 95 Webster
*Johnson & Bassett (Wool Spinning Machines), 114 Foster
*Kidder, R. E. (Envelope Machines, etc.)
§Kindred & Taylor (Brass & Bronze Fdrs., etc.)
*Knight, E. O. (Gas Engines, etc.), 86 Foster
*Leland, Wm. H., & Co. (Crankshafts, etc.)
*Lowell Wrench Co. (Ratchet Die Stocks, Drills, etc.)
*Lombard Machine Co. (Woolen Machinery), 64 School
*Luther, B. G. & Co. (Woodworking Machy., etc.), 91 Foster
*Mason, Marcus & Co. (See New York City)
*McMahon & Co. (Friction Clutches, etc.)
*Matthews Mfg. Co. (Stove Trimmings & Bicycle Fittings, Ferrules, etc.), 104 Gold
*Miller, Horatio L. (Card Grinders, etc.)
*†Morgan Construction Co. (Wire & Rolling Mill Mach'y, etc.), 21 Lincoln
*Morgan Spring Co. (Agl. & Mach'y Springs, etc.), W. Boylston, Barber's
*Norton Grinding Co. (Grinding Wheels, Grinding & Polishing Machinery, etc.)
*Parker, Jno. L., & Co. (Ferrules, etc.)
†Pero Foundry Co., 23 Hermon
*†Pond, L. W., Machine & Fdry. Co. (Grey Iron Castings, etc.)
*Powell Tool Co. (Planers, etc.)
*Prentice Bros. Co. (Machine Tools, etc.),
†Reed Foundry Co. 667 Cambridge
*Reed, Francis Co. (Upright Drills, etc.)
*Reed, F. E. Co. (Machine Tools), 122 Gold
*Reed & Prince Mfg. Co. (Machine Screws, etc.), Duncan av, nr Cambridge
*Reed & Curtis Machine Screw Co., 108 Gold
*†§Rice, Barton & Fales Machine & Iron Co. (Paper & Pulp Mill Machinery), 65 Tainter
*†Richardson Mfg. Co. (Mowing Machines, etc.)
*Robbins Machine Co. (Machinists' Tools, etc.)
*Roy, B. S., & Son (Textile Machy., etc.)
*Savels, O. M. & Co. (Dies, etc.), East Worcester
*Sawyer, Thos. J., 47 Hermon
Smith, Thos. & Co. (Bolts, Nuts, Link Chains, etc.)
*Snyder, J. E. & Son (Machine Tools), 100 Beacon
†Standard Foundry Co. (Machy. Castings, etc.), Tainter & Gardner
*Standard Plunger Elevator Co. (Elevator Builders, etc.)
*Stockbridge Machine Co. (Shaping Machines, etc.), 3 Maud
*Stoddard, Haserick, Richards & Co. (Textile Machy.)
*§UNION WATER METER CO. Meters, Regulators, etc.) (See adv. index, *W. & S. Mfg. Co. (Dies, etc.) end of book)
*Walker Grinder Co. (Machine Tool Grinders). 25 Union
*Walker, Oakley S., & Co. (Machine Tool Grinders, etc.), 25 Union
§Wells Chemical Bronze Works (Brass, Copper, Tin, Zinc, Comp. & Bronze Castings), 219 Summer
†Wheeler Foundry Co.
*†Whitcomb-Blaisdell Machine Tool Co. (Machine Tools, etc.), 134 Gold
*†Whittle, Jas. H., Co. (Textile Machinery, etc.)
*Windle, J. E. (Textile Machinery)
*Winslow, Sam'l Skate Mfg. Co.
*Woodward & Powell Planer Co. (Machine Tools, etc.), 99 Webster
§Worcester Brass Co.
*Worcester Electric Mfg. Co. (Electric Switches, etc.), 42 Lagrange
*Worcester Lawn Mower Co. (Lawn Mowers, etc.), 108 Gold
*Worcester Machine Screw Co. (Screws, Engine Studs, etc.), Albany & Muskeego
*†Worcester Plunger Elevator Co. (Elevator Builders, etc.)
*Worcester Pressed Steel Co. (Stove Trimmings, Auto & Bicycle Parts, Ferrules, etc.), 100 Beacon
*Worcester Textile Machine Co. (Textile Machinery)
*Worcester Warp Compressing Machine Co.
*Young Machine & Tool Co. (Machinists' Tools, etc.)
*Young Machine & Tool Co. (Lathes, Shears, etc.)
WRENTHAM—*Winter Bros. Co. (Taps & Dies, etc.)

MICHIGAN.

ADRIAN—†Adrian Steel Casting Co. (Light Crucible Steel Castings, etc.)
*Babcock Planter Co. (Corn Planters)
*Bond Steel Post Co. (Steel Posts, etc.)
*§Breedon, Jacob
*Church Bros. (Pumps, Gas Engines, etc.)
*†Ideal Fence Co. (Brick Making Machinery)
*†§Kells Foundry & Machine Co. (Brick & Drain Tile Machy., etc.)
*Page Fence Gas Engine Co.
†Page Woven Wire Fence Co.
*Riverside Co. (Dairy & Cheese Machy.)
ALBA—*Jones, W. E. (Machinist)
ALBION—†Albion Malleable Iron Co. (Agl. Implts. & Carriage Castings)
*†Cook Mfg. Co. (Gas & Gasoline Engines)
*†Gale Mfg. Co. (Agl. Implts., etc.)
*Prouty, T. C. Co. (Ltd.) (Door Hangers, etc.)
ALMA—*Alma Mfg. Co. (Gasoline Engines, etc.)
*†Montingel, J. M. (Agricultural Implements,
ALMONT—*†Lee, Robert E. etc.)
ALPENA—*§Hanson, Andrew
*†§Kline, Lewis T. (Excelsior Machines, Baling Presses, Automatic Lathes, etc.)
ANN ARBOR—*†Ann Arbor Machinery Co. (Agl. Implts., Hay Presses, etc.)
BATTLE CREEK—*†Advance Pump & Compressor Co. (Steam Pumps)
*†Advance Thresher Co. (Agl. Implts. etc.)
*†§American Steam Pump Co. (Steam Pumps, etc.)
*Bown Machine Co. (Lathe, Planer & Shaper Tool Holders)
*†Brennan, John & Co. (Boilers, etc.)
*†§Duplex Printing Press Co. (Printing Machinery)
*§Globe Mfg. Co. (Nebulizers, Elec. Air Pumps, Comp. Air Vibrators, etc.)
*†Nichols & Shepard Co. (Agl. Implts.)
*Prims Machy. Co. (Bakers' Machinery, etc.)
*Ritchie, Gavin & Sons (Grease Cups)
*§Sherman, H. B., Mfg. Co. (Brass Fdrs. & Finishers)
*†§Union Steam Pump Co. (Steam Pumps, etc.)
*†United States Register Co. (Hot Air Registers)
BAY CITY—*†§Bay City Iron Co.
*Emery & McKerlie (Cement Brick Mchy.)
†Excelsior Foundry Co.

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*†§Garland, M., Co. (Saw Mill & Salt Well Mach'y, Steam Engines, Iron Fdrs., etc.)
*†§Industrial Works (Industrial Cars, Cranes, Rail Drills, Shop Saws, etc.)
§McCartney, Josiah (Brass Fdry. & Finisher)
*†§MacKINNON BOILER & MAchine Co. (Machinery & Brass & Iron Castings, etc.) (See adv. index, end of book)
*†Marine Iron Co. (Mining Mach'y, Hoisting Engines, Iron Fdrs., etc.)
*National Cycle Mfg. Co. (Bicycles)
BELDING—*Ballou Mfg. Co. (Gas & Gasoline Engines, etc.)
BENTON HARBOR—*†Baute, Henry
†Benton Harbor Malleable Foundry Co. (Malleable Iron Castings & Journal Boxes)
*†COVEL MFG. CO. (Saw Sharpening & File Room Machy.) (See adv. index, end of book)
*§Metal Sectional Furniture Co. (Metal Furniture, Computing Machines, etc.)
*†Rosback, Frederick P., Co. (Printers' & Bookbinders' Machinery, etc.)
BIG RAPIDS—*Hanchett Swage Works (Filing Room Outfits)
†Hanchett Hot Blast Grate Co.
BLAINE—†Fair, Geo. & Sons, (Plows)
BLISSFIELD—*Blissfield Motor Works (Motors, Drills, Tilting Vises, etc.)
†Davenport, Harry C.
BOYNE CITY—*†§B. C. G. & A. R. R. Co.
†White, W. H., Foundry Co.
BROWN CITY—†McKnight, Jno. J.
BUCHANAN—*Black, Geo. H. (Garden Plows)
*†Lee & Porter Mfg. Co. (Carriage Axles, etc.)
BURR OAK—*†Sheffield Mfg. Co. (Corn Planters)
BUTTERNUT—†Isham-Miller Co. (Road Culverts, etc.)
CADILLAC—*†Cadillac Machine Co.
CALUMET—*†§Calumet & Hecla Minng Co.
CAMDEN—*Baker, L. S.
CARO—*†Riddle, Frank D. (Machinist & Foundry)
CARSON CITY—*Waters, J. T.
CHARLEVOIX—*†Washburn, O. S., & Son
CHARLOTTE—*Beach Mfg. Co.
*§Hancock Mfg. Co. (Automatic Oilers, etc.)
†Knight-Brinkerhoff Piano Co.
*†McNaughton Foundry Co.
CHEBOYGAN—*†§Blake, H. A., & Son (Brass & Iron Foundry)
*†Smith's, Thompson, Sons
CHELSEA—*†§Chelsea Stove & Mfg. Co. (Oil & Gas Stoves, etc.)
CLARE—*†§Clare Furnace Co. (Furnaces & Machinery)
COLDWATER — *§Champion Brass Works (Brass & Aluminum Castings, etc.)
*Loring, Sanford (Machinist)
*Regal Gasoline Engine Co.
†Titus, Thurlow (Iron Fdry.)
COMSTOCK—*†Comstock Mfg. Co. (Steam Engines & Power Transmitting Mach'y.)
*Davis, W. T., & Co.
COOPERSVILLE—*Root, G. L., Co.
DETROIT—§Acme Brass Fdy Co., 263 Hodson
†Acme Foundry Co. (Iron Frds., Gray Iron Castings), Isabella & Michigan avs
§Allyne Brass Foundry Co. (Brass Fdrs. Finishers, etc.), 777 Bellevue av
*†American Blower Co. (Engines, Blowers, Fans, etc.)
*†§American Brass & Iron Co., Trombley av. & Crystal
*†American Bridge Co. (See Pittsburg, Pa.)
*†American Car & Fdry. Co., 443 Ferry. (See St. Louis, Mo.)
*American Electrical Heater Co. (Elec. Heating Appliances), 121 State
*†American Harrow Co. (Agl. Implements), 1486 Hastings
*§American Injector Co. (Injectors, Lubricators, etc.)
*§American Lubricator Co. (Lubricators & Brass Fdrs. & Finishers, etc.)
*American Machine Mfg. Co. (Trucks, etc.), Champlain & Beaubien
*Anderson Filter & Machine Co. (Small Tools & Filters), 814 Jefferson
*†American Radiator Co.
*†American Vapor Stove Co., 18 E. Atwater
*†Art Stove Co. (Stoves, etc.), 1555 Russell
*Austin Separator Co. (Steam & Oil Separators, etc.), 55 W. Woodbridge
*Auto Accessories Mfg. Co., 144 Congress
*Baird & Henselwood Machine Co. (Pharmaceutical Machy., etc.), 11 Raynor
*§Baker-Churchill-Lee Co. (Pneumatic Tools, Injectors, Valves, Motors, etc.), 907 Michigan av
*Bellevue Mfg. Co. (Cement Shingle Machinery), 343 Bellevue av
*Bolles, J. E., Iron & Wire Works, 4th av. and Porter
*Briscoe Mfg. Co. (Machinists)
*§Bryant-Berry Co. (Brass Founders, etc.), 32 Atwater, W.
*†Buhl Malleable Co. (Elevating & Conveying Machinery, Grey & Malleable Iron Castings, etc.)
*Burroughs Adding Machine Co. (Adding Machines)
*†Byram & Co., Inc. (Foundry Machinery, Cars, Cranes, Tumbling Barrels, etc.), 435 Guoin
*†§Cadillac Motor Car Co. (Automobiles & Grey Iron Castings)
*§Calle Bros. Co. (Coin Operating Machines), 1300 2d av
§Capitol Brass Works (Valves, Brass Fdrs. & Finishers, etc.)
*Cement Working Machinery Co., 105 Catharine
†Central Foundry Co. (Grey Iron Fdrs., etc.), 195 Atwater
*Chicago Pneumatic Tool Co. (Boyer Branch, Pneumatic Tools), 1301 2d av
*§Clayton & Lambert Mfg. Co. (Plumbers' & Tinners' Tools), Trombly av. & Beaubein
*Colton, Arthur, Co. (Pharmaceutical & Special Light Machy.), 184 Brush
†Co-operative Foundry Co. (Castings for Water, Gas & Chemical Works, etc.)
†Cope Pattern Works, 80 Brush
§De Luxe Motor Car Co., 1284 W. Jefferson av
*†Detlaff, Anthony J., 121 Champlain
§Detroit Alloy Castings Co., 832 W Jefferson
†Detroit Bath Tub & Brass Mfg. Co., 93 W Baltimore av
*§Detroit Brass Works (Cocks, Valves, etc.)
*Detroit Edge Tool Works (Edge Tools, etc.), Wight & Mt. Elliott av
*Detroit Emery Wheel Co. (Grinding Machy., etc.), Jefferson & Field avs
*†Detroit Engine Works (Engines, etc.), 1250 Jefferson av
*Detroit Heating & Lighting Co. (Steam Heating Apparatus, Gas Machines, etc.), Wight & Leib
*§Detroit Lubricator Co. (Lubricators & Steam Separators)
*Detroit Machine & Mfg. Co., 64 2d av
*Detroit Meter Co. (Gas Meters, etc.), 206 W Larned
*§Detroit Motor Casting Co. (Auto Brass Goods & Power Boats), 299 Beaufait av
†Detroit Register Co. (Hot Air Registers & Hdw. Specialties), 66 State. Works: Milan, Mich.
*Detroit River Iron Works (Steam & Gas Engines), 665 E Atwater
*§Detroit Sanitary Supply Co., 1191 2d av
*Detroit Screw Works (Screws & Special Machinery), 346 Franklin
*†§Detroit Shipbuilding Co. (Iron & Steel Ships, Marine Engines & Iron & Brass Founders & Finishers), ft Orleans
*†Detroit Steam Engine Co. (Steam Engines, etc.), 15 Gillman
†Detroit Steel Casting Co. (Steel Castings), 1245 Michigan av
*†Detroit Stoker & Foundry Co. (Light & Heavy Grey Fdrs., Automobile Stoker, etc.), 2642 E Grand boul
*†§Detroit Stove Works (Stoves, Ranges, etc.), 1328 Jefferson av
*Detroit Twist Drill Co. (Twist Drills, Chucks, Reamers, etc.), 646 W. Fort
*†§Detroit Valve & Mfg. Co., 284 Rivard
†Detroit Vapor Stove Co., 411 Franklin
*Diamond Stove Co. (Stoves, etc.), 100 Larned
*Dodge Bros. (Special Machy.), 234 Monroe av
*Du Brie Motor Co. (Marine & Stationary Engines), 486 Guion
*Dutton, J. B. (Scales, etc.), 1026 Scotten av
*§Eagle Brass Works (Plumbers' Brass Goods, etc.)
§Eclipse Foundry Co. (Aluminum Castings), 307 Crawford av
*Eclipse Mfg. Co. (Tools, Dies & Gears, etc.), 47 Fort, E
*Ellis-Ford Mfg. Co. (Pipe Cutters)
†§Enterprise Foundry Co. (Light Grey Iron Castings), 1127 Warren av
*§Essex, G. B., Brass Co. (Lubricators & Brass Founders & Finishers), 482 Franklin
†Eureka Mfg. Co. (Manhole Doors, etc.), 173 Sylvester
*Fisher Electrical Works (Dynamos & Motors), 183 W Larned
*Fuller Co. (Engines & Electric Ventilating Apparatus, etc.), 1566 Russell
*§Galvin Brass Co. (Valves, Carbureters, etc.), 74 E. Fort
*†Gies Gear Co. (Transmission Gears), 345 Bellevue av
§Graebert & Purdie (Brass Fdrs. & Finishers), 12 Sherman
*†§Great Lakes Engineering Works (See Ecosse, Mich.), 308 Atwater
*†Griffin Wheel Co. (See Chicago, Ill.)
§Hackett Bros., 240 Lillibridge av
§Hardoin, Nicholas, Brass Co. (Brass Founder & Finisher), 132 E Larned
*†Harvey's, A., Sons Mfg. Co. (Steam Heating Apparatus, etc.)
*Heath Electric Co. (Electric Bells & Elec. Specialties), 336 Grand River av
*Hill, Robert S. (Marine Engines, etc.), 24 E. Woodbridge
*Huetteman & Cramer Co. (Brewers' & Refrigerating Machy., etc.), 666 Mack av
*†Ideal Furnace Co. (Furnaces, Registers, Heating Specialties, etc.), 66 State
†§Ideal Mfg. Co. (Gas Ranges, Plumbers' Brass Goods & Iron & Brass Founders), 570 Franklin
*Inglis, Wm., Wire & Iron Works, 59 Woodbridge, E
§Ireland & Matthews Mfg. Co. (Plumbers' Specialties, Stove Trimmings, Saddlery, Hdw., etc.), Wright & Mt. Elliott
*Jefferson Iron Works Co. (Engines, Crushers, etc.), 7 Jefferson av
*†Jenks & Muir Mfg. Co. (Brass & Iron Bedsteads)
§Johnston, Frederick G., 56 2d av.
*†Kahl, Fred'k (Iron Fdry. & Machinist), 14 St. Aubin av
*§Kennedy & Greig Co. (Machinists & Brass Fdrs.), 211 2d
*Lamont & Steers Engine Co., 1470 Jefferson av
*Lauer, Jno., Machine Co. (Crankshafts & Special Machy.), 110 St. Antoine
*Lauhoff Bros. (Flour Mill Machy.), 35 Chene
*§Lavigne Mfg. Co. (Lubricators, Valves, Oilers, etc.)
*Liebig, Wm., & Co. (Brush Machy.), 14 Macomb
*Lloyd Construction Co. (Gas Works Machinery), 560 Greenwood
*McDonough Automatic Regulator Co., 302 Grand River av
*§McCRAE & ROBERTS CO. (Brass Fdrs. & Steam & Plumbing Brass Goods, etc.), 227 Campbell av. (See adv. index, end of book)
*Mead & Co. (Machinists), 19th & Newark
*Mead & Co. (Machinists), 19th & Newark
§Michigan Aluminum Foundry Co. (Aluminum Castings), 14 Post
*Michigan Auto Parts Co. (Gasoline Engines, etc.)
*§Michigan Copper & Brass Co. (Brass Goods, etc.), 1610 Jefferson av
†Michigan Crucible Steel Castings Co. (Crucible Steel Castings)
†Michigan Grey Iron Casting Co., Harbaugh av & Wabash R R
*§Michigan Lubricator Co. (Lubricators, etc.), 661 Beaubien
*†Michigan Malleable Iron Co. (Malleable Iron Castings, etc.), Crossley & Anderson avs
*†Michigan Sprocket Chain Co. (Conveyors, Sprocket Wheels)
*†§Michigan Stove Co. (Stoves & Ranges, "Garland"), 1022 Jefferson av
*Middleditch, Benjamin (Sprue Cutters, etc.), 97 Meldrum av
*Modern Motor & Machine Co. (Gas & Marine Engines, etc.), 958 Jefferson av
*Monarch Foundry Co., 895 Greenwood av
†Monarch Steel Casting Co. (Steel Castings, Car Couplers, etc.)
*Morehead Mfg. Co. (Steam Traps & Plumbers' Specialties), 1041 Grand River
*§Mouat, John D., Co., 48 Porter av
*Mueller, Chas. R., & Sons, 75 Shelby
*Murchey Mach. & Tool Co., 4th & Porter
*MURCHEY MACHINE & TOOL Co. (Pipe Cutting, Threading & Tapping Machines, etc.), 52 Porter, c 4th av. (See adv. index & branch offices, end of book)
*†Murphy Iron Works (Smokeless Furnaces), ft of Walker

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*Murray Automatic Boiler Feed Co. (Boiler Feeders, etc.), 807 Scotten av
*§National Fulton Brass Mfg. Co. (Brass & Bronze Castings, Bearings, etc.), 28 Brush
*New Process Refrigerating Machine Co. (Ice & Refrigerating Machines)
*NORTHERN ENGINEERING WKS. (Foundry Equipment, Cranes, Hoists, etc.), 9 Chene (See adv. index, end of book)
*Northway Motor & Mfg. Co. (Gas & Gasoline Engines, Axles, etc.)
*Oelman, Curt (Dough Mixing & Macaroni Machy., etc.), 226 St. Antoine
*Osborn, F. C. Co. (Special Machy.), 67 Larned, W
*§Osburn Electric Co. (Brass Castings & Electrical Specialties), 66 Fort
*P. R. Mfg. Co. (Electr'l & Hdwe. Specialties, etc.), 621 Bellevue av
*Palmer-Bee Co. (Engineers & Machinists for Power Transmission, etc.)
*Pelton & Crane (Elec. Specialties), 11 Raynor
*§Penberthy Injector Co. (Engineering & Steam Specialties, etc.), 346 Holden av
*Peninsular Brass Works
*Peninsular Emery Wheel Co. (Emery Wheels & Emery Wheel Machy), 253 Meldrum
*†Peninsular Stove Co. (Coal & Gas Stoves, Ranges & Furnaces)
*†Railway Steel Spring Co. (See New York City)
*†Rice, D. E. (Fdrs. Machinist, Combined Pump & Heater, etc.), 193 Atwater
§Roberts Brass Mfg. Co. (Plumbers' Brass Goods, etc.)
*Rogers, C. T. & R. R., Co. (Milk Condensing Machinery, etc.), 34 Chope pl
*Ross & Young Machine Co. (Dies & Tools, etc.), 9 Center
*Rousseau, F. X., Machinery Co., 564 Porter
*†RUSSEL WHEEL & FOUNDRY Co. (Cranes, Cars, Wheels, Car Trucks, Castings, etc.). (See adv. index, end of book)
†Safety Folding Bed Co., 13 Widman pl
†Schwarz Foundry Co., 613 Fort
§Scully, W. J., Ventilator & Mfg. Co. (Plumbers' Brass Goods)
*§Sherwood Brass Works (Brass Finishers, etc.), 1167 Jefferson av
*†Sibley-Houfley Machine Co. (Gas Engines, Special Machy., etc.), 180 Brush
*Smith, Jos. N. & Co. (Brass Finishers & Platers, Automobile & Bicycle Works, etc.), 52 Porter
*†Smith, Peter, Heater Co. (Car Heaters, etc.), 328 Rivard
§Standard Brass Works (Brass Founders, etc.), 528 E Woodbridge
*Standard Computing Scale Co. (Computing Scales), 153 E. Fort
†Standard Foundry Co. (Iron Fdrs. & Heaters, etc.), 22 Chene
*Stecker Electric & Machine Co.
*†§Stephens, Roe Mfg. Co. (Brass Fdrs., Finishers & Steam Brass Goods, etc.)
*§Sterling & Skinner Mfg. Co. (Brass Fdrs & Finishers & Steam Brass Goods) Russell & East Grand boul
*†Stimpson, W. F., Co. (Computing Scales) 24 Antietam
*Strelinger Marine Engine Co. (Marine Engines), 46 Congress
*Tessmer Machine & Tool Co., 285 Rivard
*§Trio Mfg. Co. (Brass Auto Parts, etc.), 60 W. Woodbridge
*†United States Heater Co. (Steam & Hot Water Heaters, etc.), 257 Campbell av
*VOELKNER & HARRY MANUFACturing Co. (Hardware & Brass Goods), 123 W Woodbridge. (See adv. index, end of book)
§Walz, Christopher, 278 Division
*Watson, Nelson M. (Machinery Specialties), 4 Park pl
*†Western Malleable Steel Co. (Grey Iron & Mal. Steel Castings)
*†Whitehead & Kales Iron Works (Iron Fdrs. & Steel Structural Work), M. C. R. R. & Beecher av
§Winkley Co., 866 W. Warren av.
†Wolverine Foundry Co. (Grey Iron Castings), 936 Bellevue av
*Woodbridge Machine Works (Special Machinery, etc.), 129 Brush
*Wright Mfg. Co. (Steam Traps & Steam Specialties), 59 W Woodbridge
DOWAGIAC—*†Beckwith, P. D. (Inc.) (Stoves, Heaters, etc.)
*†Dowagiac Mfg. Co. (Agl. Implts., Seeding Machinery, etc.),
EAST JORDAN—*†§Malpass Bros.
EATON RAPIDS—*†Eaton Rapids Foundry Co. (Furances, etc.)
ECORSE—*†§Great Lakes Engineering Works
ESCANABA—*†§Chatfield Brass & Iron Works
EVART—*Champion Tool & Handle Co. Co.
*Evart Tool Co. (Lumbering Tools, etc.)
*†West, C. E.
FENTON—*†§Walker Mfg. Co. (Pumping Engines & Castings, etc.)
FLINT—*†Buick Motor Co. (Gas & Gasoline Engines, etc.)
*Cook Car Journal Cooler Co.
†Flint Axle Works (Axles, etc.)
*†Genesee Iron Works (Iron Fdrs.)
*§Peerless Heater & Valve Co. (Valves, Heaters, etc.)
FRANKFORT—*†§Markham, F. E.
GLADSTONE—*Marble Safety Axe Co.
GRAND HAVEN—*†Challenge Machinery Co. (Printing Presses, etc.)
*†§Dake Engine Co. (Pneumatic Cranes, Hoists & Motors, Stearing Gears, etc.)
GRAND LEDGE—*†Streeter, Hiram R.
GRAND RAPIDS—†American Seating Co. (See Chicago, Ill.)
§Atwood Brass Works
*Austin & Son (Saw Mill Mach'y, etc.)
*Baldwin, Tuthill & Bolton (Saw Mill Mach'y, etc.)
*†§Butterworth & Lowe, Inc. (Iron Fdrs. & Mfrs. of Woodworking Mach'y)
*†Crescent Machine Works (Edw. Tannewits, Prop.), (Fdry. & Machinist)
*Dodds, Alex. (Woodworking Mach'y, etc.)
*Edge, Frank & Co. (Saws & Saw Machy.)
*Elliott Machine Co.
*†Fox Machine Co. (Woodworking Machy, etc.)
*Friction Set Works Co. (Sawmill Machinery), 240 S Front
*Gillette Roller Bearing Co. (Vehicle Roller Bearings)
*Globe Vise & Truck Co. (Vises, etc.)
*§Grand Rapids Brass Co. (Brass Fdrs. & Finishers)
†Grand Rapids Foundry Co. (Iron Fdrs. & Steel Plate Chutes, etc.)
*†Grand Rapids Furnace Co.
*Grand Rapids Gas Engine & Yacht Co. (Gas Engines & Yachts)
*Grand Rapids Hdw. Co. (Sash Pulleys & Hdw. Specialties)
†Grand Rapids Malleable Co.
*†Grand Rapids Stove Co. (Casters, Gasoline Stoves, etc.)
†Haney School Furniture Co.
*†Hartman, Henry J., Foundry Co.
†Ideal Foundry Co.
§Keeler Brass Co. (Brass Fdrs. & Finishers, etc.)
*Knape, Jno. Machine Co. (Machinists)
*†§Leitelt, Adolph, Iron Works (Iron Fdry. & Builders' Iron Work, etc.)
*Michigan Wheel Co. (Propeller Blades, Marine Gears, etc.)
†Miller Furnace Co. (Furnaces)
*Munson Co. (Edge Tools, etc.)
*Oliver Machinery Co. (Woodworking & Pattern Shop Machinery)
*†§Perkins & Co. (Shingle Mill Machy., Gas Engines, etc.)
*Porter, C. O. & A. D. (Woodworking Machinery, etc.)
†Rapid Heater Co. (Hot Water Heaters, etc.)
†§Rempis & Gallmeyer Foundry Co. (Iron & Brass Fdrs. & Concrete Machy.)
†Rhodes Mfg. Co. (Hot Air Furnaces)
*†Vulcan Foundry Co. (Boilers, Pipes, Fittings, etc.)
*West Michigan Machine & Tool Co. (Machinists)
*West Side Iron Works
*Wilmarth & Morman Co. (Drill Grinders)
§Wolverine Brass Works (Brass Fdrs. & Finishers)
GREENVILLE—*†Gordon Hollow Blast Grate Co. (Grate Bars & Woodworking Machinery)
*†Greenville Implement Co. (Plows & Implements)
*†Moore Plow & Implement Co. (Agl. Implts., Plows, etc.)
*†§Tower, R. J., Iron Works (Mfrs. Machinery)
HANCOCK—*†§Hodge Iron Co.
*†§Portage Lake Foundry & Machinery Co. (Mining Machinery, Castings, Chilled Car Wheels, etc.)
§Ward & Williams
HARBOR BEACH—†Puddock & Lermont
HARBOR SPRINGS—*Shay, E. & Son (Machinists, etc.)
HASTINGS—*Consolidated Press & Tool Co. (Power Presses)
HILLSDALE—*†Alamo Mfg. Co. (Gas & Gasoline Engines, etc.)
HOLLAND—*†Buss Machine Works (Machinists)
†Holland Furnace Co.
*Huntley, Alfred (Machinist)
*Western Machine Tool Works (Machine Tools)
HOLLY—*†§McGonegal & Son
HOUGHTON—*†§Carroll Foundry Co.
HUDSON—*Abbott & Co. (Carriage Bldrs.'
*Abbott Voting Machine Co. Machinery)
*Hardie Mfg. Co. (Painting & Spraying Machines)
*†§Hazen Mfg. Co. (Pumps, etc.)
*†Hudson Mfg. Co. (Plows, Bicycles, etc.)
*Lane, N. (Machinest)
IMLAY CITY—*Parker, Eli F.
IONIA—*†§Arnold's, G. W., Son (Agl. Implements, Castings, etc.)
†Stafford, E. H., Mfg. Co.
ISHPEMING—*Walseth, Ole
JACKSON—*Aspinwall Mfg. Co. (Potato Machinery, Planters, Diggers, etc.)
*Blessing, Louis (Flour Mill & Paper Box
§Buick Motor Co. (See Flint) Mach'y, etc.)
*Butcher & Gage
*Cement Machy. Co. (Concrete Bldg. Block Machy. & Devices)
*Clark, E. C., Motor Co. (Motors, etc.)
†Cobb, Wm.
*Coltrin, R. B., Mfg. Co. (Cement Moulding Machinery)
*†Dennis Machine Co. (Iron Fdrs., Wood Working Machinery, etc.)
*†Field-Brundage Co. (Gasoline Engines & Motors)
*Frost Gear & Machine Co. (Gears, Pinions, etc.)
*Hartwick Machine Co.
*†§Holton & Weatherwax Co. (Ltd.) (Iron Fdrs. & Machinists)
*†Hutchinson, Jno. Mfg. Co. (Corn Shellers, Feed Mills, Carriage Axles, etc.)
*Knickerbocker Co. (Flour Mill & Cement Machy)
*Lewis Spring & Axle Co. (Axles, Springs,
†§Lusk Foundry Co. etc.)
*Miles, P. B., Mfg. Co. (Concrete Bldg. Block Machines)
*†Novelty Mfg. Co. (Stoves, Hot Air Registers)
*Sanford, James A.
*Stringer Machine Co. (Cement Mach'y)
*Walcott & Wood Machine Tool Co. (Machine Tools, Lathes, etc.)
KALAMAZOO—*Bennett & Co. (Cigar Vending Machines)
*Blood Bros. Machine Co. (Auto Specialties)
*Burtt Mfg. Co. (Gasoline Engines, Tire Setters, etc.)
*†Clarage Fdry. & Mfg. Co.
*†Clarage, Thos., & Son (Dynamos & Motors, etc.)
*†Clark Engine & Boiler Co. (Steam Engines, etc.)
*Cook's Standard Tool Co. (Railway & Auto Appliances, etc.)
*†Dutton, C. H. Co. (Steam Engines, etc.)
*General Gas Light Co. (Gas Lighting Appliances)
*Harrow Spring Co. (Harrow Springs & Teeth, etc.)
§Henderson-Ames Co. (Regalias, etc.)
*†Hill, W. E. & Co. (Saw Mill Machinery, Pumps, etc.)
*Humphrey Co. (Instaneous Water Heaters, etc.)
*†Kalamazoo Fdry. & Machine Co. (Dynamos & Motors, etc.)
*Kalamazoo Machine & Tool Co.
*†Kalamazoo Railway Supply Co. (Hand & Motor Cars & Railway Supplies, etc.)
*Kalamazoo Spring & Axle Co. (Carriage Springs & Axles, etc.)
†Kalamazoo Stove Co. (Stoves, etc.)
*National Gas Light Co. (Gas & Electric Fixtures, etc.)
*Newton Steel Wheel Co. (Steel Buggy Wheels, etc.)
*Phelps & Bigelow Windmill Co. (Windmills, Pumps, etc.)
*†Reed Mfg. Co. (Agl. Implts. & Crucible Steel Castings)
†Riverside Foundry Co. (Iron Fdrs.)
*Schau, Wm.
*Smith & Pomeroy Windmill Co. (Wind Mills, Feed Mills, etc.)
*§Star Brass Works (Brass Castings, Trolley Wheels, etc.)
KALKASKA—*Johnson, E. F. Cycle Works.
LANSING—*Automatic Sales Co. (Gum Vending Machines)
*Bates & Edmonds Motor Co. (Gas & Gasoline Motors)
*Bellfuss Motor Co. (Gas, Gasoline, Stationary & Automobile Engines)
†§Bement Co. (Stoves, Ranges, etc.)
*Bidwell, C. H. Thresher Co. (Beam Threshers, etc.)
*Bryan Machine Co.

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†Capitol Casting Co. (Grey Iron Castings, Specialty Gas Engine Castings)
†Garner Heating Co. (Hot Air Furnaces)
*§Gerson-Carey Co.
*†Hildreth Mfg. Co. (Motors & Pumps)
*†Ideal Motor Co. (Windmills, Pumps, Tanks, Motors, etc.)
*†Jarvis Engine & Machine Works, (Engineers, Fdrs. & Machinists)
*Lansing Motor & Pump Co. (Gasoline Motors, etc.)
*†Lansing Wheelbarrow Co. (Car Wheels, Mining Cars, etc.)
†§Michigan Brass & Iron Works (Aluminum, Brass & Grey Iron Castings, etc.)
*New-Way Motor Co. (Gas & Gasoline Engines)
*†Olds Gas Power Co. (Gas & Gasoline Engines)
*†§Olds Motor Works (Automobiles, Motors & Gas Engines)
*Olds, W. S. (Gasoline Engines, etc.)
*Omega Separator Co. (Cream Separators, etc.)
*†Peerless Motor Co. (Gas & Gasoline Engines, etc.)
*Prudden, W. K. & Co. Inc. (Automobile Wheels, etc.)
Rork, J. & Bro. (Windmills, etc.)
LAPEER—†Bostick Stove Co. (Stoves & Castings)
*†§McDonald's, Wm. Sons (Steam Engines)
LAURIUM—§Macauley, John A.
LINDEN—†§Linden Foundry Co.
LOWELL—*Lowell Specialty Co. (Hardware Specialties, etc.)
LUDINGTON—*Industrial Iron Works
MANCELONA—*Eclipse Motor Co. (Gasoline Engines)
MANISTEE—*†§Manistee Iron Works Co. (Saw Mill Machinery, Steam Engines, Iron Foundry, etc.)
MARCELLUS—*†Chapman Forge & Engine Works
MARINE CITY—*†Marine City Engine & Boiler Co.
MARQUETTE—*†§Lake Shore Engine Works (Marine & Stationary Engines, Iron Fdrs.,
MARSHALL—†Dobbins Furnace Co. etc.)
*†Lambert Food & Machine Co. (Coffee & Butternut Machy., etc.)
*†Marshall Furnace Co. (Hot Air Furnaces)
†New Process Steel Co. (Steel Castings, Gears, Crankshafts, etc.)
MASON—†Fingerle, Jno. C. (Iron Fdry.)
MAYVILLE—*†Johnson, Wm. J.
*Markham, Geo. B.
MENOMINEE—*Dudley Tool Co. (Tools, Wrenches & Bicycle Specialties)
*Gram, Andrew
*§Henes & Keller Co. (Air Pumps, Brass Fdrs., etc.)
*Lloyd Mfg. Co. (Automatic Mach'y, etc.)
*†§Prescott Co. (Saw Mill & Mining Machinery, Iron, Steel & Brass Castings,
MIDLAND—*†Dent, Jno. etc.)
MILAN—*†Detroit Register Co. (Hot Air Registers & Hardware Specialties)
*†Lamkin, W. P.
MILLINGTON—†Beach, H. A. & Son (Agrl. Implts.)
MONROE—*†§Monroe Fdry. & Furnace Co. Hot Air Furnaces & Castings, etc.)
*†Wider-Strong Implement Co. (Agl. Implements, etc.)
MONTAGUE—*†§Montague Iron Works Co. (Fdrs. & Machinists, Steam Engines, etc.)
MORENCI—*Hill Bros.
*†Michigan Brick & Tile Machine Co. (Brick & Tile Machinery & Iron Founders)
MOUNT CLEMENS—†Donaldson Bros. (Agl. Implements, Plows, Cultivators, Harrows,
*Phillips & McCreedy etc.)
MOUNT MORRIS—*†§Hughes, Jno.
MOUNT PLEASANT—*†Gorham Bros. Co.
MUSKEGON—*American Electric Fuse Co (Electric Specialties, etc.)
*Barcus Bros. (Saw Mfrs., etc.)
*Buss Mach'y Co. (Machinists)
†Clover, Chas. S. (Iron Fdry.)
*Continental Motor Mfg. Co. (Marine Motors, etc.)
*§Enterprise Brass Works (Frank Holt, Prop.), (Brass Castings & Launch & Engine Trimmings)
†Enterprise Foundry Co. (Machinery Castings, etc.)
*Linderman Machine Co. (Woodworking
*†Prins Foundry & Mfg. Co. Machinery)
*†§Racine Boat Mfg. Co. (Launches, En-
*†Rodgers Iron Mfg. Co gines, etc.)
*Shaw Electric Crane Co. (Main Office, New York City)
†Standard Malleable Iron Co. (Malleable Iron Castings)
MUSKEGON HEIGHTS—*†Morton Mfg. Co (Machine Tools)
NASHVILLE—*Taylor, John E.
NILES—*†Garden City Fan Co. (Iron Founders & Blowers, Fans, etc.)
†Niles Steel Tank Co.
*†Welling, A. W.
NORTHVILLE—*†§American Bell & Foundry Co
*Stimpson Scale & Mfg. Co. (Wagon, Platform & Truck Scales)
OWOSSO — †Independent Stove Co. (Stoves, Ranges, etc.)
Owosso Mfg. Co. (Screens, Tools, etc.)
*†Steggall, Arthur.
OXFORD—*Wemp, Ernest E., & Co.
PAW PAW—†Snow Bros.
PETOSKEY—†Blackmer Pump, Power & Mfg. Co. (Rotary Pumps, etc.)
*†§Burnett Foundry & Machine Co. (Ltd.) (Marine Gasoline Engines, etc.)
†Middleditch, P.
PINE RUN—*†Tinker, Wm. & Son.
PLYMOUTH—*†Daisy Mfg. Co. (Air Rifles)
*†§Hamilton, C. J. & Son Mfg. Co. (Rifles, Guns, etc.)
*†§Hamilton Rifle Co. (Air Rifles)
§Markham Air Rifle Co.
*†§Markham Mfg. Co. (Air Rifles)
PONTIAC—*†Hess Pontiac Spring & Axle Co. (Spring, Axles, etc.)
*†Howland, E. & Sons (Founders & Machinists)
*Pontiac Spring & Wagon Works (Wagon Springs, etc.)
PORT HURON—*§Draper Mfg. Co. (Valve Facing Tools, etc.)
*Dry Dock Iron Works
*§Grand Trunk Ry. Shops
*†§Port Huron Construction Co. (Bridge & Structural Steel Work)
*†§Port Huron Engine & Thresher Co. (Agricultural Implements, Traction Engines, etc.)
*Rudge, Jno. (Est. of)
*§South Park Mfg. Co. (Steam Specialties & Pneumatic Air Tubes)
*Wilson Saw & Mfg. Co. (Saw Mill
PORTLAND—†Bates Bros. Mach'y, etc.)
READING—*Brown & Kerr
RICHMOND—†Parker Plow Co. (Agrl. Implts)
ROCHESTER—*†Jackson & Co.
ROMULUS—†Seestedt, Henry W.
SAGINAW — *†Allington & Curtis Mfg. Co. (Blowers, Exhausters, Dust Collectors,
*American Beet Harvester Co. etc.)
*American Sand Stone Brick Machy. Co. (Brick Machy.)
*†§Bartlett, A. F. & Co. (Mine, Salt & Saw Mill Machinery, Engines & Iron & Brass Castings, etc.)
*Erd Motor Co. (Gas & Gasoline Engines, etc.)
*†Eureka Heating & Ventilating Co. (Grate Bars, Low Pressure Boilers, Castings,
†Fair, S., & Son etc.)
*Farmers' Handy Wagon Co. (Agl. Implts. & Farm Wagons, etc.)
*Ferrell, A. T. & Co. (Fanning Mills, etc.)
*Heginbottom & Son
*Hurtibise, Alex. (Stump Pullers)
*†Jackson-Church-Wilcox Co. (Mach'y, etc.)
*†§Jackson & Church Co. (Salt Well, Mining & Saw Mill Machinery)
*Koehler Bros. (Forge & Machine Shop)
*Ladd Bros. (Creamery Mach'y & Supplies)
*Lufkin Rule Co. (Rules, etc.)
*Mershon, W. B. & Co. (Woodworking Mach'y, etc.)
*†§Mitts & Merrill (Agl. Implts. & Fdrs. & Machinists, etc.)
*Moffett Vehicle Bearing Co. (Vehicle Bearings, etc.)
*National Engineering Co. (Gasoline Engines, Windmills, etc.)
*Presser, W. H. & Sons (Saws, etc.)
*†Saginaw Wheelbarrow Co.
*United States Cement Shingle Machy. Co.
†Valley Grey Iron Foundry Co. (Grey Iron Castings, etc.)
*WERNER & PFLEIDERER (Macaroni Mach'y., Kneading & Mixing Machines, etc.). (See adv. index, end of book)
*†§Wickes Bros. (Steam Engines, Saw Mill Machinery, etc.)
ST. CLAIR—*†Great Lakes Engineering Works (Marine Engines & Shipbuilders)
†Wonder Plow Co. (Plows, etc.)
ST. JOHNS—*Mason, F. C. & Co. (Agl. Implts. & Parts)
†St. Johns Foundry Co.
ST. JOSEPH—*Engberg's Elec. & Mechanical Works (Machinists, etc.)
*†§St. Joseph Iron Works (Basket & Veneer Machy., etc.)
*Saranac Machine Co. (Book Binders' & Wire Stapling Machinery)
*Spaulding Engine Co. (Gasoline & Marine Engines)
*†§Truscott Boat Mfg. Co. (Marine Engines & Motors, etc.)
SAULT SAINTE MARIE — *†§Hickler Bros. (Marine Work)
SEBEWAING—*†Kellogg, W. H.
SOUTH HAVEN—*Mapes, E. B.
SOUTH HAVEN—*Mapes, E. B. (Peach Pitting Machines)
STURGIS—*†Freeland, B. F. & Sons Co. (Iron Tanks, Heaters, etc.)
*§Miller-Hubbard Mfg. Co.
*†Sturgis Machine Co.
TECUMSEH—*†Brewer, Horace & Co., Inc. (Brick Presses & Clay Working Mach'y, etc.)
*†Century Post Co. (Furnaces & Ranges)
*†Heesen Bros. & Co. (Feed Cookers, Hog Ringers, etc.)
THREE RIVERS—*Armstrong Machine Works (Wire Spokes & Nipples, etc.)
*King Beet Tool Co. (Tools, etc.)
*†§Sheffield Car Co. (Inspection Cars & R. R. Specialties)
*†Three Rivers Railway Supply Co. (R. R. Specialties, etc.)
TRAVERSE CITY—*Jackson, Wm. etc.)
*Potato Implement Co. (Corn & Potato Planters, etc.)
*Queen City Brick Machine Co. (Brick Machinery, etc.)
*†§Round & Son (Iron Fdrs.)
*†§Traverse City Iron Works (Iron Fdrs. & Machinists)
UNADILLA—*Watson-Portor-Watson Co. (Ltd.)
UNION CITY—*Green, B. F. (Machinist)
VASSAR—*†Miller Co. (Fdrs. & Machinists)
VICKSBURG—*†Eclipse Governor Co.
*Spade Engine Co. (Gas Engines)
*Vicksburg Mfg. Co. (Steam Specialties, R. R. Devices, etc.)
WEST BAY CITY—*West Bay City Ship Building Co. (Shipbuilders)
WEST BRANCH—*Grice, Wm. M. (Machinist)
WYANDOTTE—*†§Michigan Alkali Co. (Foundry Dept.)
YALE—*Yale Machinery Co.
YPSILANTI—*†§Michigan Machinery Mfg. Co. (Drop Hammers, Power Presses & Shears, etc.)
*Thompson, Oliver E. & Sons (Agrl. Implements, etc.)
*†Ypsilanti Hay Press Co. (Hay Presses, etc.)
*†Ypsilanti Machine Works (Flour Mill Machinery, etc.)
ZEELAND—*Berghorst, B. J. W.

MINNESOTA.

ALBERT LEA—§American Gas Machine Co. (Gas Machines)
*Edwards, C. D. (Stump Pullers & Ditching Machines)
*†§Veness, J. W. (Machinist & Fdry.)
ALEXANDRIA—*Fredenberg, M. D.
*Olson, L. J.
AUSTIN—Carlson, C. A. (Machinist)
*†Johnson & Smith Co. (Plows, Harrows, etc.)
BLOOMING PRAIRIE—*Morton, Thos. S. & Son
*Morton, Thos S. & Son.
BRAINERD—*†§Parker & Topping (Iron Fdrs., Light & Heavy Castings, etc.)
CALEDONIA—*Caledonian Wagon & Iron Wks.
CANNON FALLS—*Anderson, Jno. J. (Machinist)
CHASKA—*†Ess Bros.
COLOGNE—*Kohls, Wm. (Machinist)
COLUMBIA HEIGHTS—†Columbia Heights Foundry Co.
CROOKSTON—*†Crookston Mfg. Co.
*†Maple Bay Mfg. Co. (Wind Stackers)
DASSEL—*Wreisner Bros.
DULUTH—*†§Clyde Iron Works (Inc.) (Steam Logging & Concrete Machy.)
*§Duluth Brass Works Co. (Brass Fdrs.)
*Duluth Stoker Co. (Automatic Stokers)
*Duluth Gas Engine Works (Gas Engines, etc.)
*Marine Iron Co.
*†National Iron Co.
*†Northwest Steam Boiler & Mfg. Co.
†Thomsen, T. J., Foundry Co.
*Zenith Furnace Co. (Machine Shop for Company Use)
EDGERTON—†Anderson, N. P.
FAIRMONT—*†§Fairmont Machine Co.

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FARIBAULT—†Nutting Truck Co.
*†§Winter, F. W. & Co.
FERGUS FALLS—*†Fergus Iron Works Co.
GLADSTONE—*Poirier Mfg. Co. (Agrl. Implements)
GLENCOE—*†Glencoe Fdry. & Machine Co.
GRANITE FALLS—*Lende, Claus
HASTINGS—§Stroud Humphrey Mfg. Co. (Gasoline & Marine Engines, etc.)
HENDERSON—*Bisson, C.
HOPKINS—*†§Minneapolis Threshing Machine Co.
HUTCHINSON—*†Hutchinson Iron Works
JANESVILLE—*†McGuiness, J. I.
KASSON—*†Johnson V. C. Foundry & Machine Shop
LA CRESCENT—*Smith, W. Grubber Co. (Stump Pullers, etc.)
LAKE CITY—*†§Gillett & Eaton (Engines, etc.)
LITTLE FALLS—*†§Denis, Jno.
MADISON—*Berg, E. O. Mfg. Co. (Agrl. Implts.)
MANKATO—*†Mankato Mfg. Co. (Machinists & Founders)
*†§Mayer Bros. (Inc.) (Trip Hammers, Castings, etc.)
MINNEAPOLIS—*†American Bridge Co. (See Pittsburg, Pa.)
*†Atlas Iron Works Co., 113 2d av, S E
*Automatic Carbonator Co. (Carbonating Machinery)
*§Baum's Brass & Model Works, 244 3d av
*Bolton Lath & Shingle Machinery Co., 166 Western av.
*†Bros, Wm., Boiler & Mfg. Co. (Boilers, etc.)
†Bryant, J. W., Co., 2601 University av., S. E.
*†Central Machine Works Co. (Woodworking Machy. & Grey Iron Castings)
§Commutator Co. (Copper & Brass Fdrs., Finishers, Commutators, etc.), 121 N 1st
*†Crown Iron Works Co. (Builders' Iron Work)
*†Diamond Iron Works (Grain Elevator, Saw Mill Mach'y, etc.), 2d & 18th av. N
*Electric Heat Regulator Co., The Phoenix
*Electric Machinery Co. (Dynamos, Motors & Generators)
*†§Flour City Ornamental Iron Works (Brass, Iron & Bronze Fdrs, Finishers, Machinists, etc.), 2635 S. 27th av.
*Garbett & Schneider, Power bldg, Nicollett Island
†Great Western Stove Repair Co., 312 Hennepin av
*Hall, W. S. (Machinist), 420 S 2d
*†§Howell, R. R. & Co. (Saw Mill Machinery, etc.), 31st av & S E 4th
*†KILGORE-PETELER CO. (Industrial Cars, Wheels, etc.), (See adv. index, end of book)
*†Kinnard-Haines Co. (Hay Presses, Engines, etc.), N 44th av nr N Bryant av
*Lagerquist, Gus. (Elevators, etc.), 514 N Third
*†Lenhart Wagon Co., 2600 University av., S. E.
†§Menzel & Jeffrey Co., 315 9th av, S
*†Mereen-Johnson Machine Co., 44th av, N & Lyndale av. N
*†Minneapolis Bedding Co. (Brass & Iron Bedsteads) 5th av. & Division
*§Minneapolis Brass & Iron Mfg. Co. (Brass Fdrs. & Finishers), 116 N 1st av
*Minneapolis Plow Works (Plows, Harrows, etc.), 34th av. S & E 27th
*†§MINNEAPOLIS STEEL & MACHINERY CO. (Corliss Engines & Heavy Castings, etc.) (See adv. index, end of book)
*†§Minneapolis Threshing Mch. Co.
*†§Monitor Drill Co. (Grain Drills, Cultivators, etc.). Works, St. Louis Park, Minn.
*Moore Carving Machine Co. (Woodworking Mach'y), 1919 Portland av
§National Brass & Metal Co., Inc. (Brass Fdrs. & Finishers, Plumbers' Brass Goods), 256 S 3d av
*§National Mfg. & Supply Co. (Pumbers' Brass Goods)
*National Novelty Co., 1st av S & 2d
†North Star Foundry Co., 32d av. & 27th
*§North Star Mfg. Co. (Gasoline Engines, etc.), 21 High
†Northwestern Foundry, 312 S 10th av
*§Nott Fire Engine Co. (Fire Engines, etc.)
*Parten & Blomstrom Mfg. Co., 240 6th av S
†Owens, J. L. Co. (Grain Cleaning Machinery, etc.)
*§Quimby Mfg. Co. (Hdwe. Specialties, etc.), 4175 Washington av
*Russell Grader Mfg. Co., 2429 University av., S. E.
†Salisbury & Saterlee Co. (Iron Bedsteads), 215 S E Main
Schutz-O'Neill Co. (Pulverizing Machy., etc.), Corn Exchange
*Shadegg, J. C. Engine Co., 315 S 3d
*†Standard Fdry. & Machine Co., 1032 3d av N E
*Staude, E. G. Mfg. Co. (Engineers Printing Presses, etc.), 525 S 5th
Strong-Scott Mfg. Co.
*Therien, Jos. O. (Tools), 116 1st av, N
*§Twentieth Century Brass & Iron Mfg. Co., 231 S 5th av
*§Twin City Rapid Transit Co.
*†Union Iron Works
*Valentine Bros. Mfg. Co. (Gasoline Engines, etc.), 230 5th av
*Wallof Machine Co. (Machinist), 1700 Washington av, N
*†Washburn Steel Casting & Coupler Co. (Car Couplers & R. R. Specialties)
*†Wilcox, H. E., Motor Car Co. (Automobiles)
*Williford Mfg. Co. (Flour Mill Machy.), 303 S 3d
NEW HARTFORD—*Blumentritt, Jos.
NEW PRAGUE—*†New Prague Foundry Co.
NEW ULM—*†Leonhardt, Chas. (Power Hammers, etc.)
NORTH BRANCH—*Splittstosser, F. (Jobbing)
NORTHFIELD—*Northfield Furnace Co. (Furnaces)
ORTONVILLE—*†§Mullica, W. F.
OWATONNA—*†§Kaplan & Felton
*†Owatonna Mfg. Co. (Grain Drills, Seed Sowers, etc.)
*Virtue & Pound (Gasoline Engines)
*†Washington Tool Co. (Tools & Machy.)
PAYNESVILLE—*†Seavey, C. W.
PLAINVIEW—*Edwards, W. G.
RED WING—*†Desmore Bros. (Steam Sorghum Machy., etc.)
*Hjermstad, J. M.
*†Red Wing Boat Mfg. Co.
REDWOOD FALLS—*Japs, Frank A.
ROBBINSDALE—*Pearson Mfg. Co. (Mailing Machines)
ROCHESTER—*†Lull & Marquardt
ST. CLOUD—*Dyer & Rosenberger
*†§St. Cloud Iron Works (Granite Cutting & Polishing Machy.)
ST LOUIS PARK—*Martin, M. R. (Grinding Mills
*†§Monitor Drill Co. (Grain Drills, etc.)
ST. PAUL—*†§AMERICAN HOIST & Derrick Co. (Contractors' & Quarrymen's Machy. & Tools), 63 S Robert. (See adv. index, end of book)
*Borreson Mfg. Co., St. Anthony Park
*Brownson, R. & Co. (Horse Collar & Harness Machy.)
†Buckeye Foundry (Stove, Range & Grey Iron Castings, etc.), Fairfield av. & Starkey
*Dahlquist Machinery Co. (Elevator Bldrs., etc.), 515 Robert
*Erickson, John E., Machine Works, Fillmore av. & Walter
*Franklin Machine Works (Passenger & Freight Elevators), 2208 University av
§Great Northern Ry. Shops
*†§Griffin Wheel Co. (See Chicago, Ill.)
*Heck, G. J., 447 Cedar
*HELWIG MFG. CO. ("Helwig" Pneumatic Tools, etc.) (See adv. index, end of book)
†Herzog Iron Works (Ornamental & Structural Steel Work, etc.)
*†Joesting & Schilling (Steel Ranges, etc.), 315 Robert
*Johnson, C. I. Mfg. Co. (Printers' Mchy.)
*†Law Mfg. Co. (Hay Tools, etc.)
*Lee & Hoff Mfg. Co. (Elevators & Machine Work), 81 E Fillmore av
†Northern Malleable Iron Co. (Malleable Iron Castings)
*†Northwestern Bedding Co., St. Anthony Park
*†§Orme's, Henry Sons (Foundry, etc.)
*§Posch, Jos. (Copper & Brass Works), 59 W. 3d
§St. Paul Brass Foundry Co., 2d & Minnesota
*†ST. PAUL FOUNDRY CO. (Steel Structures & Builders, Builders & Railroad Castings, etc.), Como av & Mackubin. (See adv. index, end of book)
*St. Paul Machine Works (Machinists), 123 W 3d
*†§South Park Foundry & Machine Co. (Radiators, Iron & Brass Fdrs., etc.), Gilfillan blk.
*§Stickney, Chas. A. Co. (Gasoline Engines, etc.), Filmore & Fairfield avs
†Twin City Iron & Wire Works (Brass & Iron Fdrs., Elevator Enclosures, Fire Escapes, etc.), 106 E 5th
*§Union Brass & Metal Mfg. Co. (Plumbers' Supplies), Front & Mackubin
†Valley Iron Works (Iron Fdrs., etc.)
*†§Waterous Engine Works Co. (Gasoline Engines, 62 S Robert
†Western Iron Works
*†Wolterstorff-Haskell Range & Furnace Co. (Steel Ranges, Furnaces, etc.), 186 E. 6th
SAUK CENTER—†Keller Mfg. Co. (Agl. Implements, Harrows, etc.)
SHAKOPEE—†Minnesota Stove Co. (Stoves)
SOUTH PARK—*†§South Park Foundry & Machine Co. (See St. Paul)
SPRING VALLEY—*Kilburn, Edw. (Machinist)
STEPHEN—*†§Stockland, C. K.
STILLWATER—*Atwood-Jones Mfg. Co.
*†Bronson, J. N. (Fdry. & Machinist)
†Dailey, L. W. Stove Wks. (Stoves)
*†Jewer, Aug. (Fdry., etc.)
*†§Northwest Thresher Co. (Agl. Implts., etc.)
*†Swain, D. M. (Fdry. & Machinists)
TWO HARBORS—*†§Duluth & Iron Range Ry. Shops
VIRGINIA—*†§Virginia Foundry & Machine
WADENA—*†§Gehr, & Ward Co.
WARREN—*†Warren Machine & Iron Works
WASECA—*Lang & Cochran Co.
†Heibold, Jno.
WAVERLY—*Waverly Mfg. Co. (Tools, etc.)
WELLS—†Henjum, J. B. & Sons
WINONA—*Baldwin Bros. (Hand Fire Engines)
*Hardwick, W. L.
*†New Winona Mfg. Co. (Cotton Seed Hullers, Feed Mills, Corn Shellers, etc.)
*†§Phenix Iron Works (Engines, Architectural Iron & Brass Castings)
*†§Tarras, L. C.
*Winona Machine & Boat Works (Gasoline Engines, Motor Boats, etc.

MISSISSIPPI.

BOLTON—*Birdsong, Mason (Machinist)
CENTERVILLE—*McElwee, George D.
COLDWATER—*Perry, A. G. (Agrl. Implts.)
COLUMBUS—*†§Columbus Machinery & Fdry. Co.
*†Jacobs, F. M.
*Littleton, L.
*†Standard Stove Works (Stoves)
CORINTH—*†§Adams, W. T. Machine Co. (Saw Mill Mach'y, Engines, etc.)
*†§Corinth Engine & Boiler Works (Engines & Saw Mill Machinery)
DOCKERY—*†Collins Plow Works (Agrl. Implts., etc.)
GREENVILLE—*Berry, H. N.
*†§Wall, Jos.
GREENWOOD—*†Kitchell, H G. (Fdry. & Machinist)
GULFPORT—*†§Dantzler Foundry & Mach.
*Smith, W. R. & Son Works
HATTIESBURG—*†Komp Machine Works (Fdry. & Machinist)
*†Watkins Machine & Foundry Co.
HAZLEHURST—*Hazlehurst Machine Shops (Inc.)
JACKSON—*†§McDonnell Foundry & Machine Co. (Plows & Castings)
*†Miss. Foundry & Mach. Co. (Fdrs. & Machinists)
LAUREL—*†§Laurel Machine & Foundry Co.
MERIDIAN—*Hyde, Chas. J. (Hay Presses, §N. O. & N. E. Ry. Shops etc.)
*†Soule Steam Feed Works (Saw Mill Mach'y)
MOSS POINT—*†§Blumer, Adam
NATCHEZ—*†Shaw, C. P. (Foundry & Machinist)
SCRANTON—*Gatti, T. C.
VICKSBURG—*Dutton, G. M. (Machinist)
†Foley, P. J. & Son
*†§Robinson, R. J. (Machinist & Fdry.)
WATERVALLEY—*†Hendricks, Wm. M.
WEST POINT—*Bentley, F. A.
YAZOO CITY—*Lynn, R. C.

MISSOURI.

AURORA—*†Loy-Wilson Fdry. & Machine Works
*†§United Iron Works Co. (See Springfield)
BOONVILLE—†Warnhoff Gate & Iron Works
BROOKFIELD—*†§Mettler, L. M.
CALIFORNIA—*California Machine Shop
CAPE GIRARDEAU—†Fuerth, J. F.
*†Schmittzehe, Andrew J.
CARROLLTON—*†Farm Tool Mfg. Co.
*Heins, Daniel
*Heins, W. F. (Pumps)

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CARTERVILLE—*†§Webb City & Carterville Foundry & Machine Works
CARTHAGE—*†Carthage Fdry. & Machine Works
*†§Stout-Parke Fdry. & Machine Co.
CHILLICOTHE—*McDougle, J. F.
*†Jenkins Hay Rake & Stacker Co.
*†Way, Frank Fdry. & Machine Co.
CLARKSVILLE—*†Fletcher, M. A.
CLINTON—*†§Industrial Iron Works
COLUMBIA—†Matthews, Chas. (Stoves, etc.)
*West, Wm. B. & Son
CRYSTAL CITY—*†§Pittsburg Plate Glass Co. (See Pittsburg, Pa.)
DEERING—*†International Harvester Co. (See
ELDON—*Vanosdell, C. Chicago, Ill.)
FARMINGTON—*Alexander Machine Co.
FAYETTE—*Fischer, J. W.
FREDERICKTOWN—*†§Littleton, T. R., &
FROHNA—*Bachmann, Theo. Son
FRUITLAND—*McNeely Bros.
FULTON—*†§Gilbert, Wm.
GARDEN CITY—*†§Kauffman, J. L.
GRAHAM—*Moore Bros. Lightning Rod Co. (Lightning Rods, etc.)
GREEN CITY—*†§Ideal Pump & Mfg. Co.
HANNIBAL—†Duffy-Trowbridge Stove Mfg.
*Long, E. C. Mfg. Co. Co. (Stoves)
*†Treat, C. A. Mfg. Co.
HARRISONVILLE—*†Sharp, I. M. (Machinist
HERMANN—*Wohlt, Aug. & Fdry.)
HIGGINSVILLE—*†§Raasch, G. A.
HUNTSVILLE—†Fleming & Sons Mfg. Co. (Rakes & Hay Stackers)
INDEPENDENCE — *†American Scale Co. (Scales, etc.)
*†Danielson Implement Co. (Plows, etc.)
†Independence Foundry Co.
†Roell Stove Mfg. Co. (Stoves, etc.)
JEFFERSON CITY—*Star Dynamo Co. (Dyna-
*†§State Penitentiary mos & Motors)
*†§Tanner, Theo.
*†Vetter, H. J.
JONESBURG—*Godfrey, H. M. (Plows)
JOPLIN—*Hamm, Fred
*§Joplin Brass & Metal Co.
*†§Joplin Foundry Co.
*†Miners' Gas Engine & Mfg. Co. (Gas Engines, etc.)
*†§Rogers-Conklin Mfg. Co.
*†§United Iron Works Co. (See Springfield)
*†Webb City & Carterville Fdry. & Mach. Co. (See Webb City)
KANSAS CITY—*Aetna Machine Works, 507 Broadway
*Art Novelty Mfg. Co., 706 Wyandotte
*†§Bauer Machine Works Co.
*Carr Mfg. Co. (Farm Machy.), 1324 W 11th
*§Central Brass Works Co. (Plumbers' Brass Goods, etc.)
*Crago, Edw. C., 1335 Walnut
†Cramer Safe Co. (Safes, etc.)
*§Crampton-Farley Brass Co. (Brass Fdrs., & Finishers), 221 Main
*Demster Machinery Co., 16th & Walnut
*Dreisbach Auto & Gas Engine Co., 2312 E 15th
*†Eagle Mfg. Co. (Plows, Cultivators, etc.)
*Emerson-Newton Co. (Farm Machy)
*†English Iron Works Co. (Hydraulic Machinery)
Garland, W. H. Mfg. Co. (Dies & Tools, etc.), 111 W 18th
*†§Great Western Mfg. Co.
*Harbison & Modica Mfg. Co. (Impit. Supplies, etc.), 1219 W 10th
*Hervey Machine Works (Special Mach'y, etc.), 313 Grand av
Kansas City Bolt & Nut Co.
*Kansas City Elevator Mfg. Co. (Elevators, etc.), 105 W 19th
*†Kansas City Hay Press Co. (Hay Presses, Feed Mills, Haying Tools, etc.), 8th & Mill
*Kansas City Machine Works (Machinists)
*Kansas City Mfg. & Supply Co., 429 W 5th
Kansas City Scale & Supply Co. (Scales, etc.)
Kansas City Wire & Iron Works (Structural Iron Work, etc.)
Loewer, John E., Wire & Iron Works
*Mathews, Hugh (Cylinder Boring Bars, etc.)
*Millman, Chas. A. (Novelty Machy.)
*Missouri Iron Works
*Murray Machinery Co. (Machinists)
*National Machine & Construction Co., 1302 Union av
New Western Fdry. Co.
*Novelty Machine & Plating Works, 504 Wyandotte
†Orest Heating & Foundry Co.
†Pugh Foundry Co., 9 W Levee
*Republic Machine Works, 1422 Walnut
*†Security Stove & Mfg. Co. (Stoves, Castings, etc.)
*†Smith & Sons Mfg. Co. (Plows, Hay Presses, Rakes, etc.), Guinotte & Lydia
*†Standard Scale & Fdry. Co. (Scales, etc.)
*§Star Brass Works Co.
*†Strait, H. N., Mfg. Co. (Corliss Engines, Cooperage Machinery, Scales, Hay Presses, etc.). (See Kansas City, Kan.)
*Tilks, Frank Ornamental Iron Works Co.
*Urie-Snyder Iron Works Co. (Hoisting Engines, etc.)
*Vogl Tool Co. (Stonecutters' Tools, etc.)
*†Witte Iron Works Co. (Gas Engines, etc.)
*X.-L. Concrete Stone Machine Co., 111 W. 18th
KENNETT—*†Kennett Engine & Boiler Wks.
KIRKSVILLE—*†§Sherwood, W. L.
KIRKWOOD—*†Natural Power Co. (Blowers, Pumps, etc.)
KNOBNOSTER—*Hunter, A. J.
LEXINGTON—*Taubman, Charles.
LINNEUS—*†§Superior Hay Stacker Mfg. Co. (Hay Stackers, etc.)
LOUISIANA—†Lynott, J. P. (Stoves)
*Parsons, J. W.
MACON—*†§Palfrey Boiler, Foundry & Ma-
MALDEN—*Wills, A. V. & Sons chine Co.
MARYVILLE—*†§Armstrong & Bennett
MILAN—*Sevier, J. D.
MOBERLY—*Brooks, Jas. (Machinist)
*Eldridge, T. A.
*†Faessler, J. Mfg. Co. (Machine Tools, etc.)
*†§Moberly Fdry. & Machine Co.
*Selby, W. H. (Furnaces)
†Wabash R. R. Shops
NEOSHO—†Heaton, Warren
*†§Neosho Foundry & Plow Works (Plows,
ORONOGO—*Oronogo Machine Co. etc.)
*†§Webb City & Carterville Fdry. & Machine Co. (See Webb City)
PERRY—†Stehle & Son Stove Co. (Stoves)
PERRYVILLE—*†Perryville Foundry & Machine Shop
PLEASANT HILL—*†McDonald Bros. Pitless Scale Co. (Pitless Scales, etc.)
POPLAR BLUFF—*†§Brewer & Holcomb
ST. CHARLES—*†§American Car & Foundry Co. (Cars, etc.). See St. Louis
*§Leistner, Paul
ST. JOSEPH—*Acme Machine Co. (Machinists)
*†§Berry Foundry & Mfg. Co. (Iron Fdrs., Builders' Iron Work, etc.)
*Bichlen, H. G.
*Cartmell Machine Co. (Engines, Threshers & Sawmills)
*†§Crowther & Rogers Mfg. Co. (Foundry & Machine Work)
*Garvey & Co. (Machinists, etc.)
*Jamieson Machine Co. (Mach'y., etc.)
*†§Phoenix Foundry & Mfg. Co.
*Richardson, Geo. O. Machine Co. (Engines & Threshing Mach'y)
*†St. Joseph Plow Co. (Plows, etc.)
*St. Joseph Pump & Mfg. Co.
†Schwein, August, Stove Co. (Stoves)
*Wyeth Hdwre. & Mfg. Co. (Hardware, etc.)
ST. LOUIS—*Alsop Process Co. (Machy.), Mo. Trust Bldg
*†American Bed Co. (Iron Bedsteads)
*†American Brake Co. (Car Brakes & Specialties), 1932 N Broadway
*†American Car Co. (Electric Cars, etc.), 1527 Old Manchester Rd
*†§American Car & Foundry Co. (Cars, Car Wheels, Cast Iron Pipe, Grey & Malleable Iron Castings, etc.)
*American Diagraph Co. (Stencil Cutting Machines, etc.). 13 N. 2d
*†§American Foundry & Mfg. Co. (Water, Gas & Plumbers' Goods, Hardware, etc.)
*American Furnace Co. (Hot Air Furnaces), 1911 Pine
*American Paper Cutter & Mfg. Co., 2d & Breman av
†American Stove Co. (Stoves), 414 N 6th
*Atkins, H. C., Mfg. Co., 703 S. Broadway
§Bajohr, Carl (Lightning Rods, etc.), 4055 Keokuk
*Ball, Phil De C. (Ice Machines), 3003 N Broadway
†Banner Iron Works (Iron Fdrs. & Builders' Iron Work), 4560 Shaw av on Oak Hill Ry
*Bradley Stencil Machine Co. (Stencil Machines), 2108 Papin
*Branch Saw Co., 817 N 2d
*Brauer, A. G. Supply Co. (Stove Repairs, etc.), 318 N 3d
*Brecht, Gus V., Butchers' Supply Co. (Packing House Machy., etc.), 1201 Cass
*Breil Robt., 117 Locust av
†Bridge & Beach Mfg. Co. (Stoves), 503 S Main
*Brockman, J. R., Mfg. Co. (Steam Fitters' Tools & Supplies, etc.), 212 Lucas
*Buchheit & Haseman, 789 S 2d av
†§Buck's Stove & Range Co. (Stoves, etc.), 3500 N 2d
*§Cahill-Swift Mfg. Co. (Plumbers' Supplies & Brass Goods), 24 S 12th
*†Carondelet Foundry Co. (Iron Fdrs.), 2123 S King's Highway boul
*Century Electric Co. (Electric Motors), 404 W. 4th
†Century Iron Works, 11th & Walnut
*Champion Shoe Machinery Co. (Shoe Machinery), 3337 Franklin av
*†§Charter Oak Stove & Range Co. (Stoves, etc.), 1440 N Main
†Christopher & Simpson Arch'l Iron & Foundry Co. (Iron Fdrs. of Bldrs.' Iron Work), 8 to 9 Park av
*†Commonwealth Steel Co. (Steel Castings, Car Trucks, etc.), Bank of Commerce bldg. Works, Granite City, Ill.
*Cook Well Co. (Pumping & Well Drilling Mach'y), 15 S 4th
Cornucopia Waffle Oven Co., 2119 Morgan
*Crescent Novelty Mfg. Co. (Dies, Tools), 708 S Broadway
*†§Curtis & Co., Mfg. Co. (Saw Mill Machy. & Air Compressors, etc.)
*Davis Expansion Boring Tool Co., 202 S Commercial
*§Degge & Musick (Brass Fdrs. & Nickel Plating, etc.), 717 Market
*Diagraph Co. (Stencil Cutting Machines), 9th & Clinton
*Dielectric Mfg. Co. (Machinists, etc), 224 S Vandeventer
*Dooly, Jno. E. Furnace Co. (Hot Air Furnaces, etc.), 1002 N Vandeventer
*Dorris Motor Car Co., 38 S Sarah
*Eagle Generator Co. (Acetylene Gas Generators, etc.), 1532 Pine
*Ellison, Wm. & Sons Mfg. Co. (Machinists. Steam Engines. etc.), 1020 N 6th
*Emerson Electric Mfg. Co. (Electric Fans & Specialties, etc.), 2032 Wash'n av
*Essmueller Mill Furnishing Co. (Flour Mill Machinery), 1216 S 8th
§Eureka Brass Co., 2210 Scott av
*Fernholtz Brick Machinery Co. (Brick Press Machines), Old Manchester rd & Boyle av
*Fisher & Davis Mfg. Co. (Excelsior & Woodworking Machy., Engines, Steam, etc.), 1024 N Main
†Foster Bros. Mfg. Co. (Iron Beds, etc.), 1410 N 16th
*Frank & St. Gemme Mfg. Co. (Brass Finishers, Fire Extinguishers, & Machinists), 817 Market
*†Fritz, Geo. J. Foundry & Machine Co. (Cotton Seed & Pulverizing Mach'y, etc.), 2008 S 2d
*†Fulton Iron Works (Corliss Engines, etc), 2d & Carr
*Gerahty Bros. (Elevators, etc.), 416 S. 6th
*†Gerst Bros. Mfg. Co. (Iron Fdrs. & Bldrs. Iron Work), 800 Cass av
§Gilbert, A. & Sons Brass Foundry Co. (Car & Engine Brasses, etc.)
*Graf, Robert, 3205 N B'way
†Green's Car Wheel Mfg. Co. (Car Wheels, etc.), 3018 N B'way
*Griffiths Iron Works Co. (Builders' Iron Work, Engineers' Tools, etc.), 811 N 10th
*Gruendler Machine Co. (Machinists), 928 N Main
*†Hager, C. & Sons Hinge Mfg. Co. (Hardware & Specialties), 2427 De Kalb
*Hahn & Mayer, 944 N Main
*Hall & Brown Woodworking Machine Co. (Woodworking Mach'y), 1913 N B'way
*Hart Mfg. Co. (Belt Fasteners, etc.), 24 S 10th
*Haynes-Langenberg Mfg. Co. (Steel Furnaces), 4057 Forest Park boul
*†Heinz, C., Stove Co. (Stoves, Ranges, etc.), 100 N 2d
§Hewitt Mfg. Co. (Journal Bearings, etc.), 2028 Walnut
*Hicks & Timberlake, Branch & 9th
*†Hirsch Rolling Mill Co., Ecoff av. & Mo. Pac. Ry.
*House Cold Tire Setter Co. (Tire Setters, etc.)
§Hoyt Metal Co. (Babbitt Metal, etc.).
*Jacob, Robt., Jr., 211 Chouteau av
†Kaysing Iron & Foundry Co., 2710 N 25th
†Kilpatrick, A. & Sons Foundry Co. (Iron Fdrs.), 1631 N 12th

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*†§Kingsland-Kay-Cook Mfg. Co. (Electric Supplies, Brass, Bronze, Aluminum & Iron Fdrs., Machinists, etc.), Mullanphy, 11th & 12th
*§Knight, W. B., Machinery Co. (Dies, Tools & Special Machy., etc.), 2019 Lucas av
*†Koken Iron Works, 1012 Old Manchester rd
*§Kraushaar Brass Mfg. Co. (Gas & Electric Fixtures, Brass, Bronze & Copper Castings)
*§Kupferle Bros. Mfg. Co. (Brass Fdrs. & Machinists), 600 N 2d
*†§Kupferle, Jno. C. Foundry Co. (Hardware & Plumbers' Specialties), 2d & Mound
*Kupsch, August, 209 S. 3d
*§Laclede Brass Works (Brass Fdrs.), 307 Cedar
*†Landay Steel Range Co., 1500 Montgy.
*Landis Machine Co. (Machinists, etc.), 1515 N 25th
*†Liberty Foundry Co., 7623 Reilly av
*†Ludlow-Saylor Wire Co., 600 S Newstead av
§Lupfer, W. (Brass Fdry.), 216 Locust
*McGoogan, W. J. (Machinist), 210 Morgan
*†MacGowan & Finigan Fdy. & Machine Co. (Trip Hammers, etc.), Gay bldg.
*Maheu & Coyle, 2800 N. Broadway
*†Majestic Mfg. Co. (Steel & Malleable Iron Ranges, etc.), 2018 Morgan
*Materne Mfg. Co. (Machinists, Pipe Fitters, etc.), 800 S 18th
*Mayers Tire Setter Mfg. Co. (Tire Setters, etc.), 4030 Forest Park boul
*Maynard, J. F. (Ice Refrigerating Machy.), 116 Geyer av
*†Medart Patent Pulley Co. (Iron Fdrs. & Machinists, Power Transmitting Machinery), 3500 De Kalb
*†Mellon, Peter H. Mfg. Co. (Brass & Iron Bedsteads, etc.)
†Mesker & Bro. (Iron Fdrs. & Builders' Iron Work), 421 S 6th
*§Messmer, Ferdinand Mfg. Co. (Gears, Brass Fdrs.. etc.), 2700 S 7th
*†Miller, W. A. Elevator Mfg. Co. (Elevators, etc.), 9th & Victor
*§Missouri Brass Type Fdry. Co., 1620 W 22d
*†Missouri Bridge & Iron Co., 122 N 7th
*Mitchell-Parks Mfg. Co. (Flour Mill Machinery), Mo. Trust Bldg
*Moloney Electric Co., 7th & Hickory
*Moon-Hopkins Billing Machine Co. (Adding Machines, etc.), 19th & Pine
†Moran Bolt & Nut Mfg. Co., Florida & Main
§More-Jones Brass & Metal Co. (Brass Fdrs., Bearings, etc.), 3144 N B'way
*†§Nelson, N. O., Mfg. Co. (Plumbers' Specialties, Cast Iron Pipe, etc.)
*†Never-Break Range Co. (Ranges, etc.), 501 Talcott av
*†OTIS ELEVATOR CO., 8th & Mullanphy. (See New York City)
†Pauly Jail Building Co. (Steel Jail Work), 2215 De Kalb
*Pfoertner, Lehmann, Machine Co., 709 S 4th
*Philippi, Alex. F. (Machinist), 308 Market
*Progress Press Brick & Machine Co. (Brick Machy., etc.), 3205 Kings Highway
*Putnam Die Co. 917 N. Market
*Ramming, John Machine Co. (Steam Engines, etc.), 800 S Main
*Ramsey Machine & Elevator Co., 418 N. 3d
*Reliance Machine & Tool Works (Hoisting Engines, etc.), 3341 Franklin av
Republic Railway Appliance Co., 2 S Main
*†Reuter-Jones Mfg. Co., 1607 S. 3d
*Ross-Keller Triple Pressure Brick Machine Co. (Brick Machy.), Fullerton bldg
*Roth, B. Tool Co. (Machinists & Tools), 2122 Chouteau av
*†Ruemmell-Dawley Mfg. Co. (Ice & Refrigerating Machy., etc.), 3900 Chouteau av
*§Rumsey, L. M. Mfg. (Machinists, Fdrs. Railway Supplies), 806 N 2d
*§Rumsey & Sikemeier Co. (Machinery, Electric Supplies, etc.), 1900 Pine
§Ruppenthal, J. & Son, 1602 N B'way
*†St. Louis Architectural Iron Co., De Kalb & Lesperance
*†St. Louis Bed & Mfg. Co. (Iron & Brass Beds, etc.), 408 N 4th
*St. Louis Blower & Heater Co., 1628 N 9th
*St. Louis Boat & Engine Co., 3608 S Main
*§St. Louis Brass Mfg. Co. (Brass Fdrs. & Finishers), Washington & Jefferson av
*†St. Louis Car Wheel Co. (Car Wheels, R. R. and Machinery Castings), Spring av nr Mo. Pac. Ry.
*St. Louis Gas & Gasoline Engine Co., 2615 DeKalb
*†St. Louis Iron & Machine Works (Corliss Engines, etc.), 126 Chouteau av
*St. Louis Machine Tool Co. (Machine Tools, etc.)
†St. Louis Malleable Casting Co. (Malleable & Gray Iron Castings), 7701 N Conduit av
*St. Louis Steam Engine Co. (Steam Engines, Air Compressors, etc.), 16 S Commercial
*St. Louis Well Machine & Tool Co., Wabash R. R. & S Newstead av
*Schoelborn-Albrecht Machine Co. (Machinists), 416 N Main
*Scott Mfg. Co. (Brick Machy., etc.), 3d Nat'l Bank bldg
*†Scullin-Gallagher Iron & Steel Co. (Open-Hearth Steel Castings, etc.)
*§Seibel-Suessdorf Copper & Iron Mfg. Co. (Brewers' & Malsters' Machy.), 2d & Lombard
*Sinning, Chas., Machine Wks. (Machinist), 244 Dickson
*§Smith & Davis Mfg. Co. (Iron & Brass Bedsteads)
*†Sodemann Heat & Power Co. (Radiators & Heating Apparatus), 1510 Clark av
*†South St. Louis Foundry Co. (Iron Fdrs. & Bldrs.' Iron Work), 7514 S B'way
*†Spuck Iron & Foundry Co. (Iron Fdrs.), Branch & 14th
*Standard Adding Machine Co., Spring av & Forest Park boul
*Standard Railway Equipment Co. (Pneumatic Tools). Nat'l Bank of Com. bldg
†Star Foundry Co. (Grey Iron Castings), 3953 Forest Park boul
§Stuckstede, H. Bell Foundry Co. (Bell & Brass Fdrs.), 1312 S 2d
§Stuckstede & Bro. (Bell Fdry.), 2735 Lyon
*†Stupp Bros. Bridge & Iron Co., Weber rd & Mo. Pac. Ry.
*§Superior Brass & Mfg. Co., 106 S. 8th
*Swaine, Fred J. Co. (Machine, Tools etc.), 1300 N 7th
*Tolland, J. W., 1624 N 8th
†Tower Grove Foundry Co., 4444 Hunt av
*Turley, Harvey G. (Cut Gears), 214 Locust
†Union Iron & Foundry Co. (Iron Fdrs. & Builders' Iron Work, etc.), 1452 S 2d
†Vogt, Julius O., 3131 N. B'way
*†Wagner Electric Mfg. Co. (Dynamos, Motors, etc.)
*Wenger, Geo., Machinery & Supplies Mfg. Co. (Machinery & Castings, etc.), 1328 Merchant
*§West St. Louis Machine & Tool Co. (Shovel Machinery, etc.), 606 Manchester av
§Western Brass Type Foundry, 3749 Texas av
†Western Foundry & Sash Weight Co. (Iron Fdrs.), 159 Miller
*†Whitman Agricultural Co. (Agrl. Implts.), 6900 S B'way
*Willard, W. G. (Ranges, etc.), 318 Chestnut
*†Williams Patent Crusher & Pulverizer Co. (Pulverizing Machy.), 2705 N Bway
*Wissler Instrument Works (Elect'l & Mathematical Instruments, etc.), 601 N. Broadway
*†Wrought Iron Range Co. (Ranges, etc.), 1901 Washington av
*Yerkes & Finan Woodworking Machine Co. Woodworking Machy.), 3145 N 9th
*Ziegler, Robt., & Sons (Printing Presses, Bookbinders' Machy., etc.), 208 Vine

SALISBURY—*Roling, J. F.
SAVANNAH—†Howard Stove & Mfg. Co.
*Schuyler, W. S. (Gas Stoves, etc.)
SEDALIA—*Barley, Thos. K. (Agrl. Implts., Harrows, Haying Tools, etc.)
*Ritter, R. H. (Machine Shop)
*†Wells, Geo.
SEYMOUR — *†Freeman Foundry & Machine Works
SPRINGFIELD—†§New Phoenix Foundry & Machine Co.
†Silsby Stove & Queensware Co. (Stoves, etc.)
*†§United Iron Works Co. (Ice Making, Mining & Cement Mach'y, Builders' & other Iron Castings, etc.)
†Woods-Evertz Stove Co. (Stove Mfrs.)
SWEET SPRINGS—*Fischer, C. (Harrows, etc.)
TARKIO—*†Midland Mfg. Co. (Plows, etc.)
TRENTON—*Marsden Bros. (Jobbing)
WEBB CITY—†Central Foundry Co.
*†Joplin Foundry Co.
*†Webb City & Carterville Foundry & Machine Works (Mining Machinery & Grey Iron Castings)
†Webb City Stove Co. (Stoves)
WEST PLAINS—*Summers, W. L.

MONTANA.

ANACONDA—*†§Anaconda Copper Mining Co.
BILLINGS—*†Billings Foundry & Machine Co.
BUTTE—*†Anaconda Copper Mining Co.
*†§Montana Iron Works
*†§Western Iron Works
GREAT FALLS—*†§Great Falls Iron Works Inc. (Fdrs. & Machinists)
HELENA — *†§Caird Engineering Works (Stamp Mills & Castings, etc.)
*Hansen, C. L. (Machinist)
*Montana Anchor Fence Co.
*State Novelty Works (Inc.)
PHILIPSBURG—Philipsburg Iron Works

NEBRASKA.

BEATRICE—*†§Beatrice Iron Works
*†§Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc.)
*Kees, F. D., Mfg. Co. (Hardware Specialties, etc.)
CENTRAL CITY—*Jensen, P. K.
DAVID CITY—*Barker Mfg. Co. (Garden Weeders, etc.)
FAIRBURY—*†§Fairbury Iron Works & Windmill Co.
FALLS CITY—*Harris & McCreery Machine Shops
FREMONT—*†§Fremont Fdry. & Machine Co.
GRAND ISLAND — *†§Kucera Windmill, Mach. & Fdry. Co.
HASTINGS—*Brueningsen, F. (Machinist)
*†§Hastings Fdry. & Iron Works
HASTINGS—*Brueningsen. F. (Machinist)
HEBRON—*†§Nickel, Chas.
HILDRETH—*†Hildreth Mfg. Co.
KEARNEY—*†Kearney Fdry., Machine & Implement Co.
HOLDREGE—*†Hultquist Bros. Auto Co.
LINCOLN—*§Capital City Iron Works (Mossholder & Golladay, Props.)
*†§Cushman Motor Co. (Engines & Motors, Gasoline
*†Eureka Mfg. Co. (Grain Grading Machinery)
*Frishette, Isaac (Machinist)
*†§Hedges, C. E.
*Nebraska Mfg. Co. (Agrl. Implts., etc.)
†Reddig, Mossholder & Co.
*†Smith, R. L. Machine Works (Steam Pumps, Castings, etc.)
*Westover, John (Structural Steel & Bridge Works)
NEBRASKA CITY—*†§Eccleston, F. B. & Co.
†Faultless Caster Co. (Casters, etc.)
*†King Drill Mfg. Co.
NORFOLK—*†Norfolk Foundry & Mfg. Co.
OMAHA—*Albrecht, O. A. & Co. (Machy.)
*†§American Smelting & Refining Co. (See N. Y. City)
*Andreen, Gustav (Safes, etc.)
*Davis, Joseph S.
*†Deere, John, Plow Co. (Agrl. Implements, etc.)
*Ely, Allen P. & Co.
*†Jubilee Mfg. Co. (Sad Irons, etc.)
*Larsen-Baker Ice Machine Co. (Ice Machines)
†§Liddell, Jno.
§McDonald Bros. (Brass Fdrs.)
*Melchiors, P. Machine Works (Machinists)
*Omaha Electrical Works
†Omaha Stove Repair Works
*Omaha Structural Steel Works
*†§Paxton & Vierling Iron Works (Iron Fdrs. & Builders' Iron Work)
†Wearne Bros. (Iron Fdrs.)
*Western Electrical Co.
PLATTSMOUTH—*§Burlington Route Shops
YORK—*†§York Foundry & Engine Works (Engineers, Machinists & Founders, Grain Elevators, Conveying & Power Transmitting Machy., etc.)

NEVADA.

CARSON CITY—Virginia & Truckee Ry. Shops
RENO—*†§Nevada Engineering Works
*Western Machinery & Mining Supply Co. (Gasoline Hoists, etc.)
RHYOLITE—*†Southern Nevada Iron Wks.

NEW HAMPSHIRE.

BERLIN—*†§Berlin Foundry & Machine Co.
BRENTWOOD—*Robinson, A. J. (Water Wheels)
BRISTOL—*Holmes, Chas. W. (Machinist)

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CANAAN—*Flint, Edwin (Machinist)
CHESHAM—*Russell, Edw. G. (Machinist)
CLAREMONT—*Burns, John W. (Jobbing)
*†§Sullivan Machinery Co. (Rock Drills & Mining Machy., etc.)
CONCORD—*†§Concord Foundry & Machine Co.
*Cushman Electric Co. (Electric Motors, †Ford, Wm. P. & Co. (Stoves) etc.)
*†§Ford & Kimball (Brass & Iron Fdrs.,
*National Separator & Machine Co. (Turret Drill Presses, etc.)
CONTOOCOOK—*Kingsbury & Davis Machine Co. (Paper Box Machy.)
DOVER—*Davis, Herbert M. Machinist)
*†§Kidder Press Co. (Printing Presses, etc.)
*†White, John A. Co. (Woodworking Machinery)
EAST CONCORD—*§Badger, Franklin L.
*Eastman, Samuel & Co. (Nozzles, etc.)
EXETER—*§Exeter Brass Works (Plumbing Specialties & Brass Fdrs.)
*†Exeter Machine Works (Heating Apparatus, etc.)
*Lane, G. W. & C. A. (Grinding Mills,
FRANKLIN—†Beaupre Bros. etc.)
*Griffin, G. W. & Co. (Woodworking Machy., Jig Saws, etc.)
*†Kidder Machine Co. (Paper & Pulp Mill Machy)
*Mayo Knitting Machine & Needle Co. (Knitting Machines)
HINSDALE—*Granite State Mowing Machine Co. (Lawn Mowers & Trimmers)
*Holman, Jason R.
†Tilden, Frank W. (Iron Fdry.)
KEENE—*Hill, Dan L.
*Hubbard, H. W. (Jobbing Work)
*†Humphrey Machine Co. (Water Wheels,
*Sargent, George W. etc.)
LACONIA—*American Twist Drill Co. (Knitting Machines)
*†Esty Sprinkler Co. (Mach. & Fdry. &
*Esty, Wm. Fire Extinguishers)
*Huse, Warren D. & Son (Knitting Machinery)
*†§Laconia Car Co. Works. (See Boston,
*†McGloughlin, Jas. Mass.)
*Mayo, Geo. D. Machine Co. (Knitting Machinery, etc.)
LAKEPORT—*Bickford, H. & Co.
*†§Cole Mfg. Co. (Rotary Planers Saw Mill Machy., etc.)
*Crane Mfg Co. (Knitting Machines)
LANCASTER—*Sleeper, C. W. (Engineer & Machinist)
*†Thompson Mfg. Co.
LEBANON—*†Cole, S. & Son
*Kendrick & Davis (Watchmakers' Tools & Electrical Specialties)
*Purmort, Martin V. (Band Saws, Planers, etc.)
MANCHESTER—*†American Locomotive Co (Locomotives). (See New York City)
*†§Amoskeag Mfg. Co.
*Corey, Wm. Co. (Knitting Machines, Needles, etc.)
*Dodge Needle Co. (Latch Needles for Knitting Machines, etc.)
*Lacene Mfg. Co. (Shoe Machy.)
*Leighton Machine Co. (Knitting Mach'y)
*Smith, John A. V., Co. (Fly-Frame Fliers for Textile Mills)
NASHUA—*American Shearer Mfg. Co. (Sheep Shearing Tools, etc.)
*Flather, E. J. Mfg. Co. (Machine Tools)
†Flather Foundry Co. (Iron Fdrs.)
*Flather & Co. (Machine Tools, etc.)
*Flather, Mark, Planer Co. (Planers, etc.)
*†§Highton, Wm. & Sons (Hot Air Registers, etc.)
*Improved Paper Machinery Co. (Paper & Pulp Mill Machy.)
*International Paper Box Machine Co. (Paper Box Mach'y)
†Nashua Co-Operative Iron Foundry Co.
*Nashua Machine Co. (Machinists)
*Nashua Novelty Works (Toys, etc.)
§Nashua Saddlery Hardware Co.
*Rollins Engine Co. (Engines, etc.)
*Spencer & Rideout (Power Cloth Presses, etc.)
*†White Mountain Freezer Co. (Ice Cream Freezers, Light & Heavy Grey Iron Castings, etc.)
NEWFIELDS—*†Grant, Walter B.
*Wiggin, Geo. B. (Jobbing)
NEWTON JUNCTION—*Brown, Emma C.
NORTH GROTON—*Kidder, Dan'l & Son (Machinists)
PENACOOK—*†Concord Axle Co. (Stone Polishing Mach'y, Axles, Brass Castings, etc.)
*§Hoyt Electrical Instrument Works (Electrical Instruments)
PETERBORO—*White's, Sam'l G. Sons
PORTSMOUTH—*Chadwick & Trefethan (Expanding Reamers, etc.)
*Ellery Twist Drill Co.
*Goodall & Tolman
*†U. S. Navy Yard
ROCHESTER—*†Furnald, John C.
*†§Rochester Fdry. & Machine Works
SALMON FALLS—†Somersworth Foundry Co. (Stoves, Ranges, etc.)
SOMERSWORTH—*Brackett, Shaw & Lunt Co. (Gasoline Engines, etc.)
SUNAPEE—*†Smith, N. A.
§U. S. Hame Co. (Wood Hames)
UNION—§Hamlin, E. T. Brass Co.

NEW JERSEY.

AMPERE—*Crocker-Wheeler Co. (Electric Machy.)
ARLINGTON—*§Lovell, F. H. & Co. (Brass & Copper Goods)
*Stiles, T. George, Co. (R. R. Appliances)
ASBURY PARK—*†§Murphy Foundry & Mfg.
*Parisen, Richard F. Co.
*Sooy & Hogg
ATLANTIC CITY—*Bowen, F. H.
*Corkran & Maloney
*Seashore Machine Works (Inc.)
BARTLEY—*†Bartley, R. C. Co. (Steam Heaters)
*†§Bartley, Wm. & Sons (Saw Mill Machy.)
BAYONNE—*†Babcock & Wilcox Co. (Water Tube Boilers, etc.) Main Office: New York
†§Clark's Iron & Brass Foundry City)
*Crane & Whitman Co. (Auto Builders,
§Edwards, Leroy etc.)
*Electric Launch Co. (Gas Engines, Launches, etc.)
*Electro-Dynamic Co. (Electrical Specialties)
*Ely's, Philip Sons Co. (Machinery, etc.)
*†§Goubert Mfg. Co. (See New York City)
*Star Expansion Bolt Co. (Expansion
BELFORD—*Walling, Luther Bolts, etc.)
BELLEVILLE—*†§Eastwood Wire Mfg. Co. (Iron, Brass & Bronze Castings, Special Machy., etc.)
*Eck Dynamo & Motor Works (Genera-
*Hoppen, J. E. & Sons tors & Motors)
BEVERLY—*†Elba Iron Works
BLOOMFIELD—*†American Malleables Co. (See Lancaster, N. Y.)
*Empire Cream Separator Co. (Cream Separators)
*§Jenkins Mfg. Co. (Brass & Composition Castings of all kinds & Plumbers' Brass Goods, etc.)
*Sprague Electric Co. (See New York City)
†Taylor, Jas. L. Mfg. Co. (Iron Clamps, etc.)
*Tower & Lyon Co. (Hardware, etc.)
SOONTON—†German-American Foundry Co.
*Whitehead, Oscar P. (Machinist)
BORDENTOWN—*†Rice, Jno. V., Jr. & Co. Founders, Gas & Gasoline Engines, etc.)
*†§Riverview Iron Works
*Swift, Geo. W., Jr. (Machy., etc.)
BOUNDBROOK—*†American Engine Co. (Engines)
*§Graphite Lubricating Co.
*†§Timmis & Clissold
BRIDGETON—*†Bridgeton Iron Works
*Cox Bros. (Canning Mach'y, etc.)
*†Cox & Sons Co. (Engines & Heating Ap-
*§Crescent Art Metal Co. paratus)
*Ferracute Machine Co. (Sheet Metal Working Machy., etc.)
*Hettinger Engine Co. (Gas & Gasoline Engines, etc.
BURLINGTON—*†§Devlin, Thos., Mfg. Co. (Saddlery Hardware, etc.) (See Phila., Pa.)
†Lindsay, John C. & Co.
*†Stuart & Peterson Co. (Enameled Iron Ware, etc.)
*†U. S. Cast Iron Pipe & Fdry. Co. (Cast Iron Pipe). (See New York City)
CAMDEN—*American Addograph Co. (See Phila., Pa.)
*Blair Mfg. Co. (Machinists' Tools)
*†Camden Foundry Co.
*†Camden Iron Works (Pumping Machy., etc.). (See Phila., Pa.)
*§Camden Metal Co.
*†§Dialogue, John H. & Son (Iron & Steel Ship Builders)
*Estabrook Steel Pen Mfg. Co. (Steel Pens)
*Frand, Martin J. & Co.
*Groff Drill & Machine Tool Co. (Ratchet & Track Drills, etc.)
*Hunt, C. Howard Pen Co. (Steel Pens)
*Industrial Mfg. Co. (Sewing Machines)
*Lambert & Todd Machine Co.
*Mathis, John H. & Co. (Ship Builders)
*Morton, Wm. W. & Co. (Machinists)
*New Jersey Wire Stitching Machine Co.
*New York Ship Building Co. (Iron & Steel Ship Builders)
*Phoenix Meter Co. (Gas Meters & Appliances)
*Quigley, Davis & Dorp (Machinists & Ship Builders)
*Smith & Sinclair (Machinists)
*†Southwark Scale Co. (Scales, etc.)
*Victor Talking Machine Co. (Talking Machines)
§Voigt Metal Co. (Brass Fdrs.)
*Webster, Warren & Co. (Machinists & Feed Water Heaters, etc.)
*†Wood, R. D. & Co. (See Phila., Pa.)
CARLSTADT—*Bergen Mfg. Co. (Machinists)
§Klaber, S., & Co. (Plumbers' Brass Goods)
CARTERET—*†§Wheeler Condenser & Engineering Co. (See New York City)
CEDAR BROOK—*Bailey, Frank (Dyeing Machines, etc.)
CEDARVILLE—*Garrison, H. S. (Sand Washing Machines)
CHROME—*†Chrome Steel Works (Chrome Steel & Specialties)
DOVER—*McKiernan Drill Co. (See New York City)
*†§Morris County Machine & Iron Co. (Mining & Pumping Machinery, etc.)
*†Richardson & Boynton Co. (Stoves). (See New York City)
DUNELLEN — *RANSOME CONCRETE Machinery Co. (Concrete Mixers, Cranes, Hoists, etc.) (See adv. index, end of book)
EAST NEWARK—†§Hewitt, John Foundry Co. (Iron, Brass & Aluminum)
*Horstmann, F. W. Co.
EAST ORANGE—*Collinson, Joshua
ELIZABETH—*†American Gas Furnace Co.
*American Swiss File & Tool Co. (See New York City)
*Ball & Wood Co. (Steam Engines). (See New York City)
*Braunsdorf-Mueller Co. (Tools, etc.)
*†§BROWN, A. & F. CO. (See New York City)
*†Colwell Lead Co. (Plumbers' Supplies) Office, New York City
*Diehl Mfg. Co. (Electric Fans, etc.)
*Duncan Bros. (Machinists)
†Elizabeth Foundry Co.
*Elizabeth Machine & Iron Works (Engines, Special Machy., etc.)
†§Harris-Kilpatrick Brass Co.
*Kelly, P. J. (Tool Holders, Tops, Thread
§Kluin, E., & Sons Cutters, etc.)
*Kullander, Chas. (Machinist)
†Meyer, Frederick
*†§Moore, Saml L. & Sons Corp. (Machinists, Iron & Brass Fdrs.)
*†Moore Bros. Co. (High Grade Grey Iron Castings & Machine Work)
*Redfield, Robt. S., & Co. (Filter Presses, etc.)
*†§Singer Mfg. Co. (See New York City)
*Stephenson, John Co. (Electric Car Builders). (See New York City)
†United States Grate Bar Co.
*Walsh, James J. (Calculating Machines)
ELMER—Charlesworth, G. A. (Millwright & Machinist)
*Woolbert, Chas. W. (Millwright, etc.)
ENGLISHTOWN—*Farrington & Co. (Springs)
FLEMINGTON—*†§Floran Foundry & Mfg. Co.
*Mallory Mfg. Co. (Hdw. Specialties)
FLORENCE—*†§Florence Iron Works (See Phila., Pa.)
FORT LEE—*Vogel, Chas. (File-Cutting Machines)
FRANKFORT—*Clawson, C. C.
FREEHOLD—*†Bawden, J. H. Co.
*Stokes Bros. Mfg. Co. (Rasps, Files, etc.)
GARWOOD—*Bell Electric Motor Co. (See New York City)
*†§Garwood Bronze & Iron Works (Grey Iron, Brass, Bronze & Aluminum Castings, etc.)
*†Garwood Electric Co. (Dynamos, Motors, etc.)
*†Thatcher Furnace Co. (See New York City)
GLASSBORO—*†Carnell, Wm. & Son
GLOUCESTER CITY—*†Rogers, John M., Works (Machinists' Fine Tools, etc.)
GRENLOCH—*†Bateman Mfg. Co. (Agri. Implements & Light Grey Iron Castings)
HACKETTSTOWN—*†American Sawmill Machinery Co. (Saw Mill Machy., etc.)
*†§Bowers, Michael B.
*†Drake, W. H. (Steam Heating Apparatus)
HADDONFIELD—†Reeves, S. V. (Stoves, etc.)

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HAINESPORT—*†Rosalds & Johnson Co. (Cast Iron Soil Pipe & Plumbers' Castings). (See New York City)
HARRISON—*†American Radiator Co. (See Chicago, Ill.)
*Binsse Machine Co. (Machine Tools, etc.)
*General Electric Co.
†Graff, Regen & Cooke (Inc.)
*†Greenfield, W. G. & G. (Steam Engines, Pumps, Screw Presses, etc.)
*Hyatt Roller Rearing Co.
*†MARINE ENGINE & MACHINE Co. (Electric Elevators, Pumps, Castings & Machine Work of All Kinds, Castings 100 lbs. to 40,000 lbs. (See adv. index, end of book)
*NATIONAL HOISTING ENGINE CO. (Hoisting Engines, etc.) (See adv. index, end of book)
*Osborn, C. S., & Co. (Harnessmaker's Tools, etc.)
*Parker-Bruen Mfg. Co. (Fire Escapes, etc.)
*†§Shriver, T., & Co. (Brass & Grey Iron Castings, Cranes, Presses, Powder Mill & Sugar Machy., etc.)
*Torrance Mfg. Co. (Textile Machy.)
HASBROUCK HEIGHTS—*Hicks, Geo. J. (Bakers' Machy.)
*Olmstead, L. H. (Machinist & Power Hack Saws, etc.)
HIGH BRIDGE—*†Taylor Iron & Steel Co. (Steel Castings & Steel Specialties)
HIGHTSTOWN—*Peppler, Thomas (Agrl. Implts.)
*†Wickoff, Chas & Bro.
HOBOKEN—*Atkinson, Wm. H., Co., ft. 7th
*Autographic Register Co., 10th, Clinton & Grand
*Baker, Wm. C. (See New York City)
*Brewster Engineering Co. (Blowers & Exhausters, Air Compressors, etc.)
*Buchholtz, Carl, Co. (Wrought Iron & Brass)
*Consolidated Iron Works (Engines, Machy., etc.)
*†Fagan Iron Works
*†Ferguson, F. & Son (Grate Bars, Propeller Wheels, Machinery, Heavy Green Sand, Castings, etc.)
*†§Fletcher, W. & A. Co. (Marine Engines, etc.), 14th & Hudson
*†Focht's, Geo. Sons (Dumping Tubs & Buckets, Castings, etc.)
*Hoboken Brass Foundry, 7th & Madison
*Hunter, Wm.
*§Kauffel & Esser Co. (Engineering Instruments, etc.)
*Lutz, Alois M. (Elec. Fixtures, etc.)
*†New York Switch & Crossing Co. (Frogs, etc.)
*†Oltmer Iron Works
†Oriental Metal Bed Co. (Brass & Iron Bedsteads), Grand, Clinton & 8th
*†Pels, Henry, & Co. (See N. Y. City)
*Penna. R. R. Shops, ft. 12th
*Prentice, John
*†Reedy Elevator Co. (See New York City)
*Schimper, Wm. & Co. (Metal Goods of Every Description, Spinners, etc.), 322 Ferry
Tietjen & Lang Dry Dock Co. (Shipwrights & Machinists), foot 17th
*†§Union Iron Works (Dump Cars, Tubs, Buckets, Iron & Brass Castings, Coal & Ore Dumping Machinery, etc.)
HOPE—*†Aten, Henry
IRVINGTON—Irvington Mfg. Co. (Tools, etc.)
*Rademacher, A. E. (Scales, etc.)
*Tidey, Fred (Wood Working Machinery)
JERSEY CITY—*Ames, W. & Co. (Machine Shop for Repairs)
†Berthe, Albert, 3718 Hudson boul
*†Boynton Furnace Co. (Iron Fdrs., Furnaces, Ranges & Heaters), Pacific av. opp Bramhall av. (See New York City)
*§Brady Brass Co. (Brass Fdrs. & Finishers), 202 10th
*Clute, H. C., 380 Wayne
*Cockburn Barrow & Machine Co., 234 11th
†Colby, E. B., & Co. (Stoves, etc.)
*Corcoran, A. J., Inc. (Pumps, Windmills, Tanks & Towers, etc.)
*Davis, Jas., & Son (Elevators, etc.), 463 Pacific av
*Erie R. R. Machine Shops, Provost & 11th
*Flynn, W. S. (Marine Engines & Boilers, etc.)
*Frank & Hedden Co. (Tools, etc.), 33 Sussex
*Fraser Mfg. Co. (Coffee Machy., etc.), Henderson & 13th
*†Gibson Iron Works Co. (Fdrs. & Machinists, Dumping Grates, etc.), 170 1st
*§Gothberg, H. & E. (Brass & Bronze Finishers), 139 Cator av
*Gould & Hedley, 113 Plymouth
†*§GRISCOM-SPENCER CO., Grand & Sussex. (See New York.) (See adv. Index, end of book)
*Hamill, Alex (Structural & Ornamental Iron Work), 426 Montgomery
†Hudson Foundry Co.
*†Hitchings & Co. (Green House Bldrs.)
*Hull Bros., 54 Hudson
*Jersey Development Co. (Dies & Tools), §Kato Mfg. Co. (Brouzes, etc.) 46 Morris
*†Kellogg, M. W., Co.
*Koven, L. O., & Bro. (Heavy Sheet Metal Works, etc.)
*Koven, Theo. (Machinist), 285 Sherman av
§Krouse, Geo. (Heavy Brass & Phosphor Bronze Castings), 164 Morgan
*†McCabe, Jas. J., 362 10th. (See New York City)
*McLaughlin, Thos., 58 Essex
*Mack, Thos. A. Mfg. Co. (Machinists), 401 St. Paul's av
*§Magnus Metal Co., 364 9th
*†Marcy Stove Repair Co., 340 Grove
†Mersereau Metal Bed Co., 292 Johnston av
*Miller, Alex & Bro. (Engineers, Machinists & Boilermakers), 10 Morris
*New Jersey Car Spring & Rubber Co. (Car Springs, etc.), R. R. av. & Brunswick
†New York Metallic Bedstead Co., 198 Pacific av
*†§Patterson-Allen Engineering Co., "Valves, etc.," West Side av. (See New York City)
*Rossiter, MacGovern & Co., ft. Morris. (See New York City)
Schalkenbach & Budke (Dumping Buckets, etc.), 402 Claremont av
*Schroeder, Edw., Lamp Wks. (Brass Goods, Lamps, etc.), 716 Jersey av
*†See, A. B., Electric Elevator Co. (Elevators, etc.), Pacific av
*†Smith, Theo. & Sons Co. (Machinists & Fdrs.), ft of Essex
*†SNEAD & CO. IRON WORKS (Iron Founders & Builders, Iron & Steel Work), ft of Pine. (See adv. index, end of book)
*§Spindler & Deringer (Brass Finishers, etc.), 248 Mercer
*†Steele & Condict (Inc.) (Rock Crusher Parts, Castings & Refrigerating Machines)
†West Bergen Iron Fdry. (Powell Bros., Props.), 261 Grant av
*West Pulverizing Machine Co., 40 Pollack av
*White, Geo. Co. (Automatic Machinery, etc.), 24 Morris
*Wickes Bros., West Side av. & Claremont (See Saginaw, Mich.)
*§Williams, E. A. & Son (Brass & Bell Founders), 105 Plymouth
KEARNY—§Nelson & Bone
KENILWORTH—*†Wright, Chas. E. (Wood Working Machy.)
LAMBERTVILLE—*†Coombe & Massey
*Kukler, Layton T.
LEBANON—*†Sovereign Foundry & Mfg. Co. Saw Mill Machinery, Castings, etc.)
LINCOLN—*Atlas Mineral & Machine Co. (Mining Machinery, etc.)
LYNDHURST—*§Leslie Co., Inc. (Pressure Regulators, Brass & Bronze Castings.
MADISON—†Force, C. C. & Son etc.)
MAHWAH—*†American Brake Shoe & Foundry Co. (Brake Shoes & Miscellaneous Iron & Steel & Grey Iron Castings, etc.)
MATAWAN—*†Levett Mfg. Co. (Dynamos, Motors & Plater's Supplies)
*†§Matawan Steel & Iron Co.
METUCHEN—*Borgfeldt, N. H. & Co. (Cigar Machy.)
MILLINGTON—*Nash, Duane H. (Inc.) (Harrows)
*Nishwitz Mfg. Co. (Harrows)
MILLVILLE—*Owen, Isaac A. Jr. (Machinist)
MORRISTOWN—*Dutton, Willis H. Co.
*Genung & Hedges (Machinists)
MOUNT HOLLY—*†§Risdon-Alcott Turbine Co. (Turbines, etc.)
MULLICA HILL—*†Hoffman, J. M.
NAUGHRIGHT—*†Hopler Bros. (Heaters, etc.)
NEWARK—*Ahrend, Herman & Son (Locks, etc.), 179 Van Buren
*Albee, H. M. (Hatters' Machy.), 24 Boudinot
*Almond, David (Hat & Fur Machy.), 27 Hacket
*American Transformer Co. (Electrical Specialties), 145 Miller
*Anderson, Geo. & Co. (Diamond Cutting Machines)
§Art Metal Works (Bronzes etc.), 7 Mulberry
*†Atha Steel Casting Co. (Steel Castings)
*Atha Tool Co. (Cast Steel Tools, etc.), ft. of Chapel
*Automatic Weighing Machine Co. (Automatic Weighing Machines)
*Backus Water Motor Co. (Water Motors, etc.), 172 Penna. av.
*Bailey, Wm. J. (Jewelers' Tools, Dies, etc.), 52 Columbia
*†Barlow Foundry Co. (Grey & Malleable Iron Castings)
*†Barnett, Oscar, Foundry Co. (Tools & Grey Iron Castings, etc.), 105 Hamilton
*Belcher, Jos. H., 231 Mulberry
*Bernz, Otto (Plumbers' Tools & Specialties, etc.), 27 Ashland
*†Bliss & Drake (Inc.), 175 N J R R av
*Blevney, Jno. C. (Friction Clutches, etc.), 210 High
*§Brabson Bros. (Saddlery Hardware), Liberty & Hamilton
§Brass Founders' Supply Co. (Brass Molds, etc.), 20 Prospect
*Brooks, E. J. & Co. (Inc.) (See New York City)
§Buerman, August (Saddlery Hdwe., etc.)
†Burns, Thos. H. & Son, 201 Commerce
*Burroughs, Charles Co. (Machinist & Hydraulic Machinery), 141 Commerce
§Bushauer, Peter (Est. of) (Brass Fdry.) 261 Elm
*†CENTRAL FOUNDRY CO. (See New York City). (See adv. index, end of book)
*§Chambers & Co. (Brass Work for Steam, Gas & Water & Brass & Composition Castings)
*Chapman, W. H. & Co. (Machinists), 227 Mulberry
*Chase, Edw. O. (Fine Machy.), 50 Lawrence
*†Clark, Jas. T. Co. (Edge Tools, etc.), 72 Adams
Climax, J. H. W., Co. (Locks, Latches, etc.), 275 Passaic
*†Currier, Cyrus & Sons (Paper Mill Machinery, Cranes, etc.)
*Delany, D. & Son (Carriage & Wagon Springs, etc.), 2 Liberty
*Dennis Mfg. Co. (Stone Working & Special Machy., etc.), 263 Passaic
*Diffany & Co. (Jewelers' Dies, etc.), 29 Congress
*†Domestic Sewing Machine Co., 98 Warren
*Drake, M. S. (Machinist)
*†Drake, W. H. (Heaters, etc.), 86 Clinton
*Ellis Adding Typewriter Co. (Adding Machines), 204 Morris
*Emory, Robt. J., & Co. (Machinists), 27
*†§Essex Fdy., Murray & Av D Runyon
*§FOSTER ENGINEERING CO. (Steam & Engineers' Specialties, etc.). (See adv. index, end of book)
*Freeman, Arthur W., 67 N. J. R. R. av
†Goeller Iron Works (Builders' Iron Work), 394 Frelinghuysen av
§Goldsmith, C. A. (Brass Fdry.), 42 Cutler
*†Gould & Eberhardt (High Class Machine Tools), 111 N. J. R. R. av
*§Gould's, M. Son & Co. (Brass Goods, etc.), 61 Hamilton
§Griffoul, August
*Groch, Max, 41 Av L
*§Hanson & Van Winkle Co. (Platers' Machinery & Supplies)
*Harding Edge Tool Co. (Axes, etc.), Oliver & McWhorter
*Harrison & Knight Mfg. Co. (Machinists' Tools, etc.), 211 Vrona av
*Hartig Standard Gas Engine Co., 14 Commercial
*†Hay Foundry & Iron Works (Builders' Castings & Iron Works), 93 Plum
*Healy, Geo., 11 Ailing Point la
*§Hedges & Bro. (Brass Castings & Finishers & Plumbers' Brass Goods), 10 R. R. pl
*Heller Tool Co. (Farriers' Tools, etc.)
*†§Hewes & Phillips Iron Works (Corliss Engines & Iron & Brass Castings)
†§Hewitt, Jno., Foundry Co. (Iron, Brass & Aluminum Castings)
*Huebel Mfg. Co. (Padlocks, etc.), 103 Monroe
*Hydraulmatic Co. (Gas Stoves & Ranges) 8 Lum
*†Isbell-Porter Co. (See New York City)
*§Jost's, Edmund, Sons (Machinists & Fdrs.), 48 Dickerson
*King, Wm. H., 25 Canfield
*†LAMBERT HOISTING ENGINE Co. (Hoisting Engines & Hoisting Machinery, etc.). Office & Works, 115 Polnier. (See adv. index, end of book)
*La Vergne Pump & Machine Co. (Power Pumps, etc.)

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§Lawrence, L. & Co., 292 Halsey
*†§Lidgerwood Mfg. Co. (See N. Y. City)
†Lienau's, C. C. Sons, 308 Fairmount av
*§Lovell-McConnell Mfg. Co. (Electrical Appliances)
*Lowentraut, P. Mfg. Co. (Skates, Tools, etc.), 36 Brenner
*Loy & Nawrath (Sheet Metal Working Machinery), 25 Runyon
*†McCabe Boiler Works (Steam Boilers, Smoke Stacks, etc.), 193 Commerce
§McCarthy, John (Brass Fdry.), 745 N 6th
*McLeod, Jno. H. (Leather Finishing Machy.), 17 Treat pl
†Maher & Flockhart (Iron Fdrs.), 76 Polk
*Marx-Winkler Co., 475 Washington
†Meeker Foundry Co. (Malleable & Grey Iron Castings), 95 Clay
†Metcalf, Jas. & Co. (Machinery Builders, Castings, etc.), 126 Polk
*Meyer Machine & Tool Works (Tools, Dies & Moulds), 88 McWhorter
*Millington & Bradshaw (Tools & Machinery), 69 N. J. R. R. av
*Morgan, Edward (Special Machinery), 15 Franklin
†Morrison Foundry Co., 111 Gotthart
*Muller, Fred (Hat Machy.), 214 Lackawanna
*†MUNDY, J. S. (Hoisting Engines, etc.) 22 Prospect. (See adv. index, end of book)
*National Lock Washer Co. (Lock Washers, etc.), 65 Johnson
*National Saw Co. (Saws & Sawing Specialties), 15 River
*§Newark Brass Works, 17 Mulberry
*Newark Gas Engine Co. (Gas Engines), 676 N 6th
*Newark Gear Cutting Machine Co. (Gear Cutting Machines & Special Machinery)
*Newark Leather Machinery Co. (Leather Working Machinery)
*Newark Rivet Works, 262 Lafayette
§New Jersey Aluminum Co. (Aluminum Castings)
*Noble & Hunt (Machinists), 359 Mulberry
*Ohl, Geo. A. & Co. (Sheet Metal Working Machy., Trunk Mfrs.' Machy., etc.), 157 Oraton
*PFAFF & KENDALL (Pipe Cutting & Threading Machines, Nipples, Columns, etc., Ferry & Foundry). (See adv. index, end of book)
*§Phoenix Lock Works (Locks, etc.), 3d av. & 4th
*Plumb, David S. (Clock Movements), 57 Park
*Positive Lock Washer Co. (Lock Washers, etc.), 181 Miller
*Redman, C. H. & Co. (Tools, Machines, etc.), 48 Dickerson
*§Riley-Klotz Mfg. Co. (Metal Goods, etc.)
†Riverside Mfg. Co. (Furnace Regulators & Heating Specialties), 162 Riverside av
†Riverside Steel Castings Co. (Crucible Steel Castings)
*†Royal Machine Co. (Electric, Special Machinery, etc.), 61 N. J. R. R. av
§Riley-Klotz Mfg. Co. (Trunk & Bag Trimmings), 19 Mulberry
*Ruesch, H. J., Machine Co. (Jewelers' & Silversmiths' Machy., etc.), 28 Green
†Sacks, Louis (Iron F'dry) (Grey Iron Castings), Hamburg pl & Av L
*Sayre, L. A. & Co. (Tools, etc.), 332 Mulberry
*Seitz, F. A., Co. (Gasoline Motors, etc.), 145 Frelinghuysen
*Schnefel Bros. (Cutlery & Specialties), 51
§Schueler, T., & Co. 4th
*Skinner & Leary (Engineers & Machinists), 13 R. R. pl
*Skipp, Jas. & Son (Pearl Button Machy). 25 Hackett
*Sloan & Chace Mfg. Co. (Ltd.) (Precision Mach'y.)
*†§Smith, A. P., Mfg. Co. (Tapping Machines, etc.), Passaic av
*†Smith's, Albert, Sons (Iron Railing, Builders' Hdwe., etc.), 73 N. J. R. R. av
§Steffens, A. T. & Co. (Saddlery, Hardware), 260 Morris av
*Sterling-Meaker Co. (Electric Railway Supplies), 420 Ogden
*Stucky, Jacob, 17 Ailing
*Sun Typewriter Co. (Typewriters)
*Taylor-Fountain Engineering Co. (Special Machy., etc.), 10 Commerce
*†Thatcher Furnace Co. (See New York City)
*Tirrill's Gas Machine Lighting Co. (See New York City)
*†§Traud, Alex., Co. (Castings & Embossing Presses, etc.), 5 Maine
*Tucker, C. F. & Co. (Tool Makers), 93 Green
*†§Turner Machine Co. (Iron & Brass Fdrs. & Special Machy.)
*†§Universal Caster & Foundry Co. of N. J., 108 Adams
*†Watts-Campbell Co. (Corliss Engines & Iron & Brass Castings), 295 Ogden
*§Wheaton, A. W., Brass Works (Brass Fdrs. & Finishers)
*White, Ira F. & Son (Hdw. Specialties, etc.), 144 Walnut
*§Whitehouse, Ed. A. (Saddlery, Hdw, etc.)
§Wiener-Barnet Co. (Saddlery, Hdwe., etc.)
*Wright, L., Jr. (Machine Works), 9 Ailing
*Yule & Carley Mfg. Co. (Hat Machy.), 28 Eagles
*Zeh & Hahnemann (Presses, Dies, etc.)
§Zusi, Edward, 80 Mechanic
§Zusi, Edw. A. (Brass Fdry.), 101 Monroe

NEW BRUNSWICK—*Consolidated Fruit Jar Co. (Metal Specialties)
*Crawford Mfg. Co. (Machinery Mfrs.)
*†Empire Foundry Co. (Grey Iron Castings from 1 pound to 5 ton)
*†Henderson, Wm., & Son
*Kilbourn Knitting Machine Co. (Knitting Machinery, etc.)
*Kilbourn Mfg. Corp'n (Mach'y)
*Lea, Thos. (Boring Tools, etc.)
*†§Marine Mfg. & Supply Co. (See New York City)
*Neverslip Mfg. Co. (Horseshoes & Toe Calks)
*Potter Mfg. Co. (Motors, etc.)
*†Waldron, Jno, Co. (Machinery & Castings)

OCEANIC—*Yerrington, Henry W.

ORANGE—*Bates Mfg. Co. (Automatic Numbering Machines, etc.)
*Bulkley, Henry W. (Steam Pumps & Condensers)
*Edison Mfg. Co. (Electrical Specialties)
*Edison Phonograph Works, Inc. (Phonographs)
*National Phonograph Co. (Phonographs)
*Orange Machine & Mfg. Co. (Machinists)
*Pike Adding Machine Co. (Adding Machines)
*Townsend, S. P. & Co. (Lawn Mowers)

PASSAIC—†Binns, Henry (Iron Fdry.)
*De Vries Bros. (Machinists)
*†§Eagle Iron & Brass Foundry (Inc.).
*Lyall, J. & W. (Textile Machy., Looms, etc.)
*†Robins Conveying Belt Co. (Conveying Machy. & Hoisting)
*Standard Sheet Metal Co. (Air & Automobile Pumps, etc.)
*Uehling Instrument Co. (Pyrometers, Composemeters, etc.)
*†Wonham-Magor Engineering Works (Steel Cars, Track Switches, Turntables, etc.)

PATERSON—*†§American Locomotive Co. (Locomotives). (See New York City)
*§Asbell, S. J. Co (Brass Goods)
*†Atherton Mach. Co. (Textile Mach'y, etc.)
†Barker, Fred. Co. (Iron Fdrs.)
*Bogert-Carlough Co.
*§Casson, Robert H.
*†Eastwood, Benj. Co. (Textile Mach'y., Shafting, Pulleys & Hangers, Iron & Brass Castings, etc.)
*†Finigan-Zabriskie Co. (Cordage Mach'y, *Fischer Mfg. Co. etc.)
†Hilton, Saml.
*Johnson-Van Vlaanderen Machine Co.
*King-Quick-Gerber Co. (Machinists)
*Knapp, C. F. (Textile Machy. etc.)
*†§McNab & Harlin Mfg. Co. (See New York City)
*†Rogers Locomotive Works (See New York City)
*Royle, John & Sons (Photo Engraving, Rubber & Textile Machy., etc.)
*Shaw & Cocker Mach. Co. (Silk Machy.)
*Sipp Electric & Machine Co. (Gas & Gasoline Engines)
§Taylor, Robt. & Son (Brass Fdry.)
*Terhune, J. I. Machine Works (Silk & Velvet Finishing Machy. etc.)
*†Watson Machine Co. (Cordage & Silk Mill
*Widmer Bros. Machy., Castings, etc.)
*Wood, Warren.

PAULSBORO—*Cox, I. G. & Bro. (Agricultural Implements, etc.)

PENNINGTON—†Union Boiler Co. (Boilers, etc.)

PERTH AMBOY—*Ely-Norris Safe Co. (Safes)
§Hoyt Metal Co. (See St. Louis, Mo.)
†Marcy Stove Repair Co. (Stove Repairers)
*Perth Amboy Dry Dock Co.
*†§Perth Amboy Foundry & Machine Co.
*Raritan Dry Dock Co.
*†§Schantz & Eckert (Machinery Builders)

PHILLIPSBURG — *†§Firth, Roland & Son
*†§INGERSOLL - RAND CO. (See New York City. (See adv. index, end of book)
*Tippett & Wood
*†Warren Foundry & Machine Co. (Cast Iron Pipe & Water Works Specialties)

PLAINFIELD—*Laing Machine Auto Repair Co.
*Manganese Steel Safe Co. (Safes, etc.)
*†Niles-Bement-Pond Co. (See New York City)
Q. M. S. Co. (Cranes, Hoists, Cold Saws, etc.)
*†Potter Printing Press Co. (Printing Presses, etc.)
*§Rushmore Dynamo Works (Projectors Acetylene Generators, etc.)
*†Scott, Walter & Co. (Ptg. Presses, etc.)

POTTERSVILLE—Excel Mfg. Co. (Grinding Mill, Crushers & Pulverizers)

RAHWAY—*†Rahway Steel Co. (Steel Castings, etc.)

RARITAN—*†§Kenyon, D. R. & Son (Textile Machinery)

RED BANK—†Adcock Fdry. & Machine Co.
*†Roberts Safety Water Tube Boiler Co.

RIEGELSVILLE—Taylor, Stiles & Co. (Rag Cutting Machines, etc.)

ROCKAWAY—*†Hoagland's, M., Sons Co.

ROSELLE—*Shedd Electric Co. (Motors, etc.), *§Watson-Stillman Co. (Hydraulic Machinery). (See New York City)

RUTHERFORD—*†§Fuchs & Lang Mfg. Co. (See New York City)

SADDLE RIVER—†Packer, W. H.

SALEM—*Ayars Machine Co. (Canning & Can Making Machinery, etc.)
*†§Salem Brass & Iron Mfg. Co.

SMITHVILLE—*†Smith, H. B. Machine Co. (Wood Working Machy., etc.)

SOMERVILLE—†Carbon Stove & Range Co. (Stoves, Ranges, &c.)
*†Somerville Iron Works

SOUTH RIVER—*Keich Bros.

SOUTH VINELAND—Bidwell R. O. (Sand Washing Machinery)

TRENTON—*Auers Hardware Mfg. Co.
*Baker, Wm. H. (Rubber Mill Machinery,
*Barbour Bros. (Dies, etc.) etc.)
*†Billingham, P. & Co.
*Butterworth, Wm. H. & Bro. (Agl. Implements, etc.)
*Clifford, C. W. (Tools, etc.)
*†Crossley Machine Co. (Pottery, Tile & Clay Machinery)
*†De Laval Steam Turbine Co.
*†Fisher & Norris (Anvils, etc.)
*Freeman, E. H. Electric Co. (Electric
*Gillingham, A. B. Specialties)
*Ivens, Wm. H. Sons Co. (Pottery, Mattress & Spring Bed Machinery)
*Logan, W. P.
*†§McFarland Foundry & Machine Works (Grey Iron Castings & Repairs)
*†MacKenzie's, Duncan, Sons Co. (Steam Engines, Heavy Machinery, etc.)
*†§Mott, J. L. Iron Works. (See New York
†Oliphant Steel & Iron Co. City)
*†Reeves Engine & Machine Co. (Steam Engines)
*†Skillman Hardware Mfg. Co.
*Spracklin Boiler & Machine Co.
*Stahl, H. E. (Machinist)
*Steinert, Joseph
†Superior Iron Works
*Sutphin, E. E. (Machinist)
*†Thropp, J. E. Sons Co. (Marine Engines & Rubber Mill Machy, etc.)
*†Throop, Wm. R. & Sons Co.
*§Trenton Brass & Machine Co. (Plumbers' Brass Goods)
*†TRENTON IRON CO. (Elevating & Conveying & Wire Pointing Mach'y.) (See adv. index, end of book)
*†§Trenton Malleable Iron Co.
*†§Watson, John & Sons Co. (Axles & Machinists, etc.)

VINELAND—*Blaisdell Machine Works
*Frost & Walls (Gasoline Engines)
*Gage Tool Co. (Tools)
*Jackson Vise & Tool Co. (Vises, Tools, etc.)
*Keighley, Wm. B. (Shoe Machinery)
*Levens Mfg. Co. (Tools, etc.)
§Weaber, Adam & Son

WEST HOROKEN—†Courtman, W. F.

WOODBINE—*Bayard, M. L. & Co. (Tools, etc.)

WOODSTOWN—*†Wood, Walter A., Mowing & Reaping Machine Co.

NEW MEXICO.

ALBUQUERQUE—*†Albuquerque Fdry. & Machine Works

EAST LAS VEGAS—*†Adlon, J. C.

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NEW YORK.

AKRON—*†Thayer, T. & Son
ALBANY—†Albany Fdry Co. (Stoves)
*§Albany Steam Trap Co. (Steam Traps, Aluminum Castings, Finishing & Plating, etc.), 319 N Pearl
*Broslin Bros. (Machinists), 68 Church
*Brohm & Molitor (Files, etc.)
*Burdick & Son (Stove Specialties, Dies, etc.), Hamilton c Mosher
†Campbell, Harry E. (Archl. Iron, etc.)
*§Consolidated Car Heating Co. (Car Heaters, etc.), 423 N Pearl
*§Cox Brass Mfg. Co. (Brass & Bronze Castings)
*†Dederick's, P. K. Sons (Hoisting Engines, Baling Presses, etc.), Tivoli
*†§Federal Signal Co. (Railway Signals)
§Fitzgerald, John L.
*†Gaynor, Peter F.
†Hartnett, Jno. J. (Iron Foundry), 16 De Witt
*Kelly, Luke J. (Lifting Jacks, Windlasses, etc.), 307 N Pearl
*Kemp, Jas. N. (Grinding & Polishing Machinery, etc.), 887 Broadway
*†Littlefield Stove Co. (Stoves & Ranges)
*†McKinney, Jas. & Son (Builders' Iron Work, etc.), 929 B'way
*Nicholson, Aaron (Machinist), 11 Church
†Rathbone, Sard & Co. (Stoves), N. Ferry & Rathbone
*Skinner & Arnold Co. (Steam Engines, Propeller Wheels, etc.), 207 B'way
*Stevenson & Leonard Machine Co.
*†Thacher, Geo. H. & Co. (Fuel Economizers, Grate Bars, Grey Iron Castings, etc.)
*†Townsend Furnace & Mach. Shop Co. (Light & Heavy Mach'y. Castings, Paper Mach'y., Hydraulic Presses, etc.)
*Van Nouhuis, E. C., 41 Liberty
ALEXANDRIA BAY—*Tessey, Lewis
ALFRED—*Rogers Machine Tool Co. (Boring & Turning Mills)
AMBER—*Kenyon, Wm.
*†Newman, Addison
AMENIA—*†Fry, B. H. (Stoves)
AMENIA UNION—*†Buckles, Charles E. Plows, etc.)
AMSTERDAM—*Hayflinger, John
*†Inman Mfg. Co. (Paper Box Machy.)
*Johnson, C. P. (Machinist)
*†§Klauder-Weldon Dyeing Machine Co. (Textile Mach'y)
*MacCordy Button Machine Co. (Button Mach'y, etc.)
*†§Perkins Foundry Co.
*Shuler, D. W. & Son (Elliptic & Coil Springs, etc.)
*Shuler, W. S., Spring Co. (Springs, etc.)
*Union Special Machine Co.
ANGOLA—*Emblem Mfg. Co. (Bicycles)
ATHENS—*†§Athens Fdy. & Mach. Shop Co.
†Travis, D. W.
ATTICA—*Danley, F. R.
*Glor Bros. & Willis Mfg. Co.
*†Westinghouse Machine Co. (See East Pittsburg, Pa.)
AUBURN—American Wringer Co. (See New York City)
*Auburn Auto Pump Co. (Automobile Pumps, etc.)
*Birdsall Engine Co. (Stationary Engines, etc.)
*Bowen Mfg. Co. (Machine Screw Work & Oiling Devices, etc.)
*Bowen & Quick (Threshers, etc.)
*†Clapp, E. D. Mfg. Co. (Carriage Hdw., etc.)
*†Crane Fdry. & Machine Works (Drop & Trip Hammers, etc.)
*Diamond Novelty Co. (Vending Machines)
*Eccles, Richard Co. (Drop Forgings, Carriage, etc.)
†Enterprise Foundry Co.
*Henry & Allen (Machine Knives, etc.)
*†§International Harvester Co. (Harvesting Machy., etc.), Osborne Plant
*†McIntosh, Seymour & Co. (Steam Engines, etc.)
*Malcolm Rifle Telescope Mfg. Co.
*Meyer & Co. (Iron Nuts, Axle Collars, etc.)
*Wadsworth, David & Son (Scythes, etc.)
AVON—*†Champion Drill Co. (Grain Drills, Cultivators, etc.)
BALDWINSVILLE—*American Gasoline Motor Co. (Gasoline Motors, etc.)
*Fancher Machine Co.
*†§MORRIS MACHINE WORKS (Steam Pumps & Steam Engines, etc.) (See adv. index, end of book)
BALLSTON SPA—*†§Davison-Namack Foundry Co. (Brass & Grey Iron Castings)
*Union Bag & Paper Co. (Repairs)
BATAVIA—*Baker Gun & Forging Co. (Shot Guns, etc.)
*†§Batavia Brass & Iron Novelty Works
*Batavia Clamp Co. (Clamps, etc.)
*Batavia Machine Co.
*Bidwell, C. H. Thresher Co (Inc.), (Agricultural Implements & Engines)
*†§Johnston Harvester Co. (Agrl. Implts.)
*Rowell Machine Co.
*†§Wiard Plow Co. (Plows & Agl. Implts.)
BELMONT—*†§Clark Bros. Co. (Heavy Duty Gas Engines, Saw Mill Machy., etc.)
BERGEN—*§Miller, Orville (Brass Fdry.)
BINGHAMTON—*American Fork & Hoe Co. (Forks, Hoes, etc.) (See Cleveland, O.)
*†Bowers, L. M., & Co. (Anchors, etc.)
*Canfield, P. B. (Gas Engines)
*Central Mfg. Co. (Gas Irons, etc.)
†Crandal, Stone & Co. (Carriage Hardware, etc.)
*Deyo, R. H. & Co. (Gas Engines, etc.)
*†Diamond Foundry
*Doolittle, S. B. & Son (Flue Cleaners)
*Gaylord & Eltapence Co. (Machinists, etc.)
*†§Georgian Mfg. Co.
*Heath, Robt. S. (Machinist)
*†§Jones of Binghamton (Scales, etc.)
*Marvin Electric Drill Co. (Electric Drills, etc.)
*†Osgood Scale Co. (Scales, etc.)
*†Shapley & Wells (Steam Engines, etc.)
*Sharp, W. M., Co. (Dental Machy., etc.)
*†§Stow Mfg. Co. (Flexible Shafts & Electric Motors, etc.)
†Titchener, E. H., & Co. (Wire Gds.)
BOLIVER—*Beatty & Jordan (Machinists)
*†McDonnell & Brennar
BRASHER FALLS—*†§Kennehan, P. E.
BROWNVILLE—*†Brownville Iron Works (Paper Mill Mach'y)
BUFFALO—*†Acme Steel & Malleable Iron Works (Steel & Malleable Iron Castings), 245 Military rd
*Aldrich Mfg. Co. (Copper & Brass Goods) 55 Illinois
§Alloys Founding Co., 50 Mississippi
§Allyne Brass Foundry Co. (Brass Fdrs.)
*†American Brake Shoe & Fdry. Co. (See Mahwah, N. J.)
*†American Car & Foundry Co. (See St. Louis, Mo.)
*†American Radiator Co. (See Chicago, Ill.)
†American Seating Co. (See Chicago, Ill.)
*American Shading Machine Co., 164 Rano
†Barcalo Mfg. Co. (Brass & Iron Bedsteads), 140 Kentucky
*Blackhall Mfg. Co. (Bookbinders' Machinery), 215 Genesee
*Brennan, Richard (Dredging Tools, etc.), 35 River
*†Brown Car Wheel Works (Car Wheels, etc.), Howard & Thomas
*Bryan Vacuum Moulding Machine Co. (Molding Machines), Buffalo, N. Y.
*Bryant, O. Sons & Co. (Special Machinery, etc.), Dewitt & Bradley
Buffalo Brake Beam Co. (See New York City)
†Buffalo Car Wheel Foundry Co. (Car Wheels, etc.), 110 Pearl
†Buffalo Co-operative Stove Co. (Stoves), Amherst & Tonawanda
†Buffalo Crucible Castings Co. (Crucible Steel Castings)
*Buffalo Dry Dock Co. (Shipbuilders), Ganson & Buffalo Creek
*Buffalo Emery Wheel Co. (Emery Wheels, etc.), 127 Ash
*Buffalo Engine Co. (Engines, Mill Machinery, etc.), 272 Michigan
*†Buffalo Forge Co. (Engines, Blowers, etc.), Broadway & Mortimer
*†§Buffalo Foundry & Machine Co. (Grey Iron & Steel Castings up to 200 tons, Steam Hammers, Drying Machy., etc.)
*Buffalo Gasoline Motor Co. (Gasoline Marine Engines, etc.), 1280 Niagara
*Buffalo Gear & Pattern Works, 16 Elk
*Buffalo Machinery Co., 26 Burwell pl
*§Buffalo Meter Co. (Water Meters, etc.), 290 Terrace
*†Buffalo Pitts Co. (Engines, etc.)
*†Buffalo Radiator Co. (Radiators & Boilers)
*Buffalo Reduction Co. (Fertilizers, etc.) 963 William
*†§Buffalo Scale Co. (Brewers & Maltsters, Testing Machines, etc.), 81 Scott
*†Buffalo Steam Pump Co. (Steam Pumps, etc.), 490 Broadway. Works, N. Tonawanda, N. Y.
*Buffalo Steel & Shafting Works (Polished Steel Shafting, etc.), ft. Baltz av
†Buffalo Structural Steel Co., Dart & Letchworth
*Buffalo Tool & Machine Co. (Woodworking Machy.), 176 Terrace
*Cary Safe Co. (Safes & Locks), Chicago & Scott
*§Case, W. A., & Son Mfg. Co. (Mfrs.', Plumbers' & Steam Fitters' Castings, etc.), 31 Main
*Centaur Motor Co. (Gas & Electric Motors, etc.), 59 Franklin
*†Clark Mfg. Co. (Iron Fdrs. & Hardware Specialties), 260 Chandler
*Columbia Tool Co. (Pipe Wrenches, etc.), 767 Seneca
*†Contractors Plant Mfg. Co. (Contractors' Machy & Tools, etc.), 129 Erie
*Crowell, David J., 196 Terrace
*Darling, W. J. Machine Co. (Shoe Machinery), 844 Sycamore
*Devine, Jos. P., Co. (Drying Drums, etc.)
*Diamond Saw & Stamping Works (Power Hack Saws, Emery Wheel Dressers, etc.)
*†Dopp, W. H., Co. (Soap Makers' Machy., etc.)
*Double Truss Cornice Brake Co. (Sheet Metal Working Machy.), 33 Chandler
*Driscoll & Fletcher (Printing Presses, etc.), 164 Ellicott
*†§East Buffalo Iron Works, 9 Grimes
*Eastman Machine Co. (Cloth Cutting Machines), 41 Eagle
*Empire Machine & Stamping Co., 59 Terrace
*Empire Shipbuilding Co., ft. Genesee
†Ernest's, Chas. F., Sons (Iron Fdry. & Builders' Iron Work), 65 Lathrop
*†Farrar & Trefts (Steam Engines), 60 Perry
*Feine, August (Iron Fdry. & Bldrs. Iron Work), 152 Terrace
*†Fillmore Av. Foundry & Iron Works, 153 Fillmore av
*Frank Machinery Co. (Woodworking Machinery)
*§Fries & Co. (Plumbers' Brass Goods), 89 Main
*†Frontier Engine Works (Steam Engines, etc.), ft Illinois
*†Frontier Iron Works, 2 Auburn av
*General Specialty Co., 800 Prospect av
†Ginther's, J., Sons (Iron Fdrs. & Bldrs. Iron Work, etc.), B'way & Pratt
†Guillott, Wm., Automatic Metal Casket Co., 191 Bird av
†Hayman, Michael & Co. (Grey Iron Castings, etc.)
*Heiser, Wm., & Sons Co., 114 Clinton
§Hoefeller Brass Foundry Co.
*Holl Mfg. Co. (Spray Pumps, etc.), 333 Main
*†Holmes, E. & B., Machinery Co. (Wood Working Mach'y), 50 Chicago
*Hoolihan, A., 384 4th
*†Howard Iron Works (Bolt & Nut Mach'y, Pulleys, Vises, etc.), 287 Chicago
*Huxley Mfg. Co. (Valve Refacing Machines, etc.), 753 7th
*†Iroquois Iron Works (Steam Road Rollers, Asphalt Mach'y & Tools, etc.)
*Jetter Mfg. Co. (Hardware Specialties, Tools, Files, etc.), 861 Jefferson av
*Jewett, Jno. C. Mfg. Co. (Brass Finishers, etc.), 249 Elm
*†Jewett & Co. (Stoves, Ranges, etc.), Military rd. & City line
†Jones Iron Works (Iron Railings, etc.), 308 Terrace
*Josef, E. E. Mfg. Co. (Brass Finishers, etc.), 14 Perry
*KEIM, JNO. R. MILLS (Inc.) (Automobile Parts & Fittings, etc.) (See adv. index, end of book)
†Kellogg Iron Works (Arch. Iron & Steel Work), Mutual Life Bldg
*Kelsey Co. (Bicycle Parts & Sundries, etc.), 45 Niagara
*Keystone Mfg. Co. (Ratchet Drills, Wrenches, etc.), 41 Chandler
*§King Iron Works (Trout, Henry G., Prop.) (Marine Engines), 226 Ohio, Buffalo, N. Y.
*King Sewing Machine Co. (Sewing Machines)
*Krasselt, Chas. (Gen'l Machinist, etc.), 101 Ash
*†§Lackawanna Steel Co. (Iron, Steel & Brass Castings & Machine Shop)
*†§Lackawanna Steel Co.
*†Lake Erie Engineering Works (Engines, Pumps & Heavy, Rough & Machined Semi-Steel Castings), Chicago & Perry
†Lawler Iron Works, 67 Mississippi
*†Lawrence Stove Mfg. Co. (Gas Stoves & Appliances), 1432 Seneca

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*Lazier Gas Engine Co. (Gas Engines), Ellicott sq
*Lobee Pump & Machy. Co., 140 Terrace
*†LUMEN BEARING CO. (Brass, Bronze & Copper Castings, Lumen Bearings, etc.) (See adv. index, end of book)
*§Lyman Mfg. Co. (Metal Specialties, etc.)
*McCarthy Bros. & Ford (Electrical Specialties, etc.), 45 N Division
§McCutcheon, C. H. (Brass Fdry), 18 Ohio
*Mahoney, Dan'l, & Sons (Steel Ranges, Signal Lamps, etc.), 17 Main
*Mansel Bros. (Automatic Oil Pumps, etc.), 315 Babcock
*§Maute, Jacob, & Co., 23 Kane
*Mey Chain Belting Engineering Works (Chain Belting & Elevating & Conveying Machinery, etc.), 34 Washington
§Model Brass Foundry Co.
*National Brake Co. (Inc.), Ellicott sq
*†New York Car Wheel Co. (Iron Fdrs., Car Wheels & Couplings, etc.), Niagara &
*†Niagara Bedstead Co. Forest av
*†§NIAGARA MACHINE & TOOL Works (Iron Founders, Punches, Presses & Sheet Metal Working Mach'y., etc.), Jefferson, Superior & Randall
*†Noye Mfg. Co. (Steam & Gas Engines & Flour Mill Machy.), 50 Lakeview av
*O. K. Machine Works (Gas Engines, etc.), 887 Main
†O'Brien's Foundry (Sewer Basins, Inlets, etc.), 39 Indiana
*†Oldman Boiler Works (Boilers, Castings & Structural Work), 28 Illinois
*Olin Gas Engine Co. (Gas & Gasoline Engines), 12 Lock
*Oliver, A. F. Mfg. Co., 60 Cherry
*Oliver, W. W. Mfg. Co. (Jewelers' Tools & Mach'y. etc.), 1483 Niagara
*†§OTIS ELEVATOR CO., Girder & Northland av. (See New York City), (See adv. index, end of book)
*Pierce, Geo. N. Co. (Bicycles & Automobiles, etc.), 1695 Elmwood av
*Pierce, Wm. B. Co. (Boiler Tube Cleaners), 327 Wash'n
†Pohlmann, John W. (Stoves, etc.), Delavan av. & Erie R. R.
*†Pratt & Letchworth Co. (Steel & Malleable Iron Castings & Saddlery Hdw., etc.), 189 Tonawanda
*Queen City Engineering Co. (Steam Pumps, Engines, etc.), 49 Illinois
*§Ray, Geo. A. Mfg. Co. (Brass & Copper Goods), 1489 Niagara
*†Reading Car Wheel Co. (Car Wheels, etc.), Fidelity bldg.
*Robertson Mfg. Co. (Hdw. Specialties, Grading Tools, etc.), 1453 Niagara
§Robson Smelting Co. (Brass & Babbitt Metal Founders)
*Rogers, S. C., & Co. (Brazing & Excelsior Machy., etc.), 10 Lock
*†Ross, Josiah, Mfg. Co. (Wood Working Machinery), 1443 Niagara
*†Ruger, J. W., Mfg. Co. (Bakers' Machy., etc.), Chicago & Perry
*§Schmahl, John H., & Albee, 471 Ellicott
*§Sherwood Mfg. Co. (Brass Fdrs., Engine & Boiler Specialties, etc.), 1702 Elmwood av
*Sizer Forge Co. (Crankshafts, Marine Forgings, etc.)
*Smith, W. H. Mfg. Co. (Hot Air Engines), 8 Lock
*Smiths', John E. Sons Co. (Tanners' & Butchers' Machinery, etc.), 50 B'way
*†§Snow Steam Pump Works (See International Steam Pump Co., New York City)
*Squier, Geo. L. Mfg. Co. (Plantation Machy.), 490 B'way
*†Standard Foundry Co. (Grey Iron Castings), 48 Lakeview av
*Star Forge Co. (Blowers, Forges, Punches, Shears, etc.)
*Sterling Engine Co. (Marine Engines, etc.), 1250 Niagara
Stevenson Machine Co. (Electric Routing Machines), 1418 Niagara
*†§Stewart Heater Co. (Brass Fdry., Boiler Feed Heaters, Power Pumps, etc.), Norfolk av
*Stoll, H. D. Co. (Presses, Shears, Dies, etc.)
†Strong Steel Foundry Co. (Steel Castings)
*Taber Pump Co. (Rotary Brewery Pumps, etc.), Swan & Ellicott
†Taylor, W. P., Co., 218 Ellicott sq
*Thomas, E. R. Motor Co. (Motor Bicycles, etc.)
*Timmins & Butler, 286 Ellicott
*†U. S. Cast Iron Pipe & Foundry Co. (See New York City)
*U. S. Hame Co. (Steel Hames, etc.), Watts & Tonawanda
U. S. Headlight Co. (Headlights, etc.), Dart & Letchworth
*Valentine, Francis J., 178 Vermont
*Weeks Scale Works (Scales, etc.), 861 7th
*Wegner Machine Co. (Ice & Refrigerating Plants), Perry & Mississippi
*Western Inspection Co. (Fire Extinguishers, etc.), 45 N. Division
White, L. & I. J., Co. (Edge Tools, Machine Knives, etc.), 143 Perry
*Whitman Mfg. Co. (Machinists), 178 Ohio
*§Zero Valve & Brass Mfg. Co. (Brass Founders & Finishers), 417 Chicago
CALEDONIA—*†§Caledonia Bean Harvester Co. (Bean Harvesters, etc.)
CAMBRIDGE—*†Lovejoy Co. (Agricultural Impits. & Grey Iron Castings)
CAMDEN—*†Camden Water Wheel Works
*Hynes, Frank R.
CANANDAIGUA—*Salnave, W. A.
CANASTOTA—*†Cady, C. N., Co.
*Mahan, James
*Marvin & Casler Co. (Elec. Specialties)
*†Patten & Stafford Co. (Rakes, Harrows, Light & Medium Grey Iron Castings, etc.)
*Watson Wagon Co. (Dump Wagons, etc.)
CANTON—†Dishaw & Dishaw
CARTHAGE—*†Carthage Machine Co.
*†Ryther & Pringle Co.
CASTILE—*†Castile Chilled Plow Co. (Plows, etc.)
CATO—†Dutton, E. Q. & Co. (Iron Fdrs. & Plows, etc.)
CATSKILL—*†Catskill Fdry. & Machine Works (Machinists & Fdrs., Gears, Pinions, etc.)
*Gaylord, J. F. (Spray Pumps, etc.)
CATTARAUGUS—*§Century Brass Mfg. Co. (Plumbers' Supplies, etc.)
CENTRAL BRIDGE—*Campbell, S. K. Co. (Threshers, etc.)
CHAMPLAIN—*†§Sheridan Iron Works
CHAPPAQUA—*Schatz Mfg. Co. (Hardware Specialties, Casters, etc.)
CHARLOTTE—*Morrison, H. D.
CHERRY CREEK—*†§Annis, A. W.
CHURCHVILLE—†Snyder, H. F.
CLYDE—*†Wood, S. W., & Son (Engines, etc.)
COBLESKILL—*†Harder Mfg. Co. (Threshers, Clover Hullers, etc.)
*†Rickard, Ira D.
COHOES—*Beattie Mfg. Works (Textile Machinery)
*†Campbell & Clute Machine Co. (Textile & Knitting Machy. & Grey Iron Castings)
*†§COHOES IRON FOUNDRY & Machine Co. (Slashing Machinery & Elevators & Brass & Iron Castings). (See adv. index, end of book)
*†Cohoes Rolling Mill Co. (Textile Machy. etc.)
*Kennedy, Thos., & Son (Textile Machy.)
*McCreary, Edw.
*†Rensselaer Mfg. Co. (See Troy, N. Y.)
Union Special Machine Co. (See Chicago)
COLD SPRING—*†Cornell, J. B. & J. M., Co. (See New York City)
COPAKE IRON WORKS—*†Columbia Plow Works (Plows, etc.)
CORNING—*†Allen, E. R., Foundry Co. (Machinery & Bldrs.' Castings, etc.
*Canfield Brake Co.
†Corning Mfg. Co. (Furnaces)
*†Hood Furnace & Supply Co.
*†Symington, T. H. Co. (R. R. Specialties, etc.)
CORTLAND—*†Cooper Bros.
*†§Cortland Foundry & Machine Co.
COXSACKIE—*†§American Valve Co. (Valve Mfrs., etc.)
CROGHAN—*†Farney, J. C., & Son
CROTON FALLS—*Higley Machine Co. (Metal Cutting Off Machines, etc.)
*Juengst, Geo. & Sons
CUBA—†Graves, A. H. (Iron Fdry.)
DANSVILLE—*Engert, Geo. J.
*†Sweet, Geo. Mfg. Co. (Mowers & Reapers, etc.)
DEPEW—*†American Car & Foundry Co. (See St. Louis, Mo.)
*†§Gould Coupler Co. (Car Couplers & Malleable Iron Castings). (See New York City)
*§Mangus Metal Co. (Babbitt Anti-Friction Metals, etc.)
*Railway Steel Spring Co. (See New York City)
DESPATCH—*†Ontario Drill Co. (Grain Drills, etc.)
DOLGEVILLE—*Menge, Wm.
DUNKIRK—*†§American Locomotive Co. (Locomotives). (See New York City)
*Flesher, Chas. H. (Machinist)
*Mulholland Co. (Carriage Springs, etc.)
*Romer Axe Co. (Axes & Edge Tools)
*†United States Radiator Co. (Radiators, etc.)
EAST AURORA—*†Peek, S. H. (Plows, etc.)
EAST ROCHESTER—*†Ontario Drill Co. (Grain Drills, etc.)
EBENEZER—*Gilfillian, F. C. (Gas Regulators)
EDMESTON—*†Green, Nelson L.
ELBA—*†Barr, Newton L.
ELBRIDGE—*Elbridge Electrical Mfg. Co. (Dynamos & Motors, etc.)
ELLENVILLE—*†§Hoyt, Canner & Co. (Castings, etc.)
ELMIRA—*§American La France Fire Engine Co.
*§Climax Specialty Co. (Plumbing Specialties)
*Cronk & Carrier Mfg. Co. (Hardware Specialties, Door Hangers, etc.)
*Eclipse Machine Co. (Coaster Brakes, Screw Machine Work, etc.)
*†Elmira Boiler & Iron Works
†Elmira Heater & Foundry Co. (Grey Iron & Semi-Steel Castings)
*†§Field Force Pump Co. (Pumps, etc.)
Hilliard Clutch & Machy. Co.
*†§Kennedy Valve Mfg. Co. (Valves, Hydrants, etc.)
Moffitt, Jas. W., (Machinist)
*§Swift Lubricator Co. (Lubricators, Valves, etc.)
ENDICOTT — *Bundy Mfg. Co. (Adding Machines)
FAYETTEVILLE—*†Crouch, Wm. N. (Grey Iron Castings, Hdwe. Specialties, etc.)
*G. & C. Mfg. Co. (Hdwe. Specialties)
FISHKILL ON THE HUDSON—*†§Dutchess Tool Co.
*†§Fishkill Landing Machine Co. (Steam Engines, etc.)
*Potter-Morgan Co. (Spring Brakes, etc.)
FONDA—*Mohawk Machine Shop
FORT PLAIN—*Empire State Metal Wheel Works (Metal Wheels, etc.)
*Walrath, Alphonso, Co. (Broom Machy., etc.)
*§Yerdon, Wm. (Hose Bands, etc.)
FRANKFORT—*†Acme Road Machinery Co. (Road Machinery, etc.)
†§N. Y. C. & H. R. Ry. Shops
*Pratt Chuck Co. (Chucks, etc.)
*Union Fork & Hoe Co. (See Columbus, O.)
*§Utica Steam Gauge Co. (Steam Gauges, etc.)
FRANKLINVILLE—*Ontario Knife Co. (Tools etc.)
*Stone, F. L.
FREDONIA—*Hammond, J. W.
FREEPORT—*†§Columbian Brass Foundry
FRIENDSHIP—†Costigan Mfg. Co. (Stoves, etc.)
*†Drake Hdw. Co. (Stoves & Dairy Goods)
*Rumsey, C. B. Engine & Machine Co.
FULTON—*†§Dilts Machine Co. (Paper Mill Machy., Castings, etc.)
*†Emeny, G. J. Co. (Ensilage Cutters, Cider Mill Machinery & Hot Air Furnaces)
*Foster Bros. & Chatillon Co. (Edge Tools, etc.)
*Hunter Arms Co. (Fire Arms, etc.)
*Hunter Fan & Motor Co. (Water Motors, Fans, etc.)
*Miller & Armstrong (Engines, etc.)
*Parker, J. J. (Gasoline Engines, etc.)
*Pearman, James
*Taylor Bros. & Co. (Machine Knives, etc.)
GARDENVILLE—*Schoepflin, Chas.
GENESEO—*Barclay, Geo. P. (Machinist)
GENEVA—*†Catchpole Boiler, Fdry. & Mach. Co.
*Fay & Bowen Engine Co. (Gasoline Engines, etc.)
*†§Herendeen Mfg. Co. (Heating Apparatus)
*†New York Central Iron Works Co. (Boilers, Heaters & Castings)
†Phillips & Clark Stove Co. (Stove Mfrs.)
†Summit Foundry Co. (Stoves)
GLENS FALLS—*†§Dix Foundry & Machine
†Glens Falls Portland Cement Co.
GLOVERSVILLE—*†§Anthony, H. J. (Glove Machy. & Dies)
*Curtin-Hebert Mfg. Co. (Glove Machinery, Emery Wheel Dressers, etc.)
*Glove City Cutting Die & Machine Co. (Glove & Leather Machy.)
*Haag, Jacob Cutting Die Co. (Glove Cutting Dies, etc.)
*Haag, Wm. (Glove Dies, etc.)
*†§Steele Mfg. Co.

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GOSHEN—*†§Newbury, J. H. (Cast Iron Soil Pipe, etc.)
GOWANDA—*†§Gowanda Agricultural Works (Agl. Implts., Grey Iron Castings, etc.)
*Smallwood, W. R. Mfg. Co. (Corrugated) Steel Fasteners. etc.)
†Star Iron Works
GRASSY POINT—*§Wiles, A. M. & W. H. Co.
GREENE—*†Lyon Iron Works (Fdrs. & Machinists, Feed Cutters, etc.)
GREEN ISLAND—*Clifford, Jas. J. & Co. (Machinists)
*Grand-Ferris Co. (Agrl. Implts., etc.)
*Sweet & Doyle Valve Co. (Valves, etc.)
GREENPORT—*Greenport Basin & Construction Co. (Ship & Engine Builders)
*Hedges, Samuel P. (Machinist)
*Tuthill & Thorn
GREENWICH—*†§Eddy, W., Plow Co. (Plow Mfrs. & Castings)
GREENWOOD—*†Woodward, G. M.
GROTON—*Groton Machine Tool Co.
*†Monarch Road Roller Co. (Steam Road Rollers, etc.)
GUILDERLAND—*†§Guilderland Foundry Co.
GUILFORD—*†§Merchant, A. P.
HAMILTON—*†§Graham, Dwight
HAMMOND—*†Evans Mfg. Co. (Agl. Implts.)
HAMMONDSPORT—*Curtiss, G. H. Mfg. Co. (Motor Cycles)
HANCOCK—†Stimson, T. F. (Iron Fdry.)
HAVERSTRAW—*†Waldron, Chas. (Brick Machinery)
HERKIMER—*Clark, Jas. A. (Machinist)
*Klock, A. B. (Machinist)
*Quackenbush, H . M. (Air Pistols, etc.)
HILLBURN—§Metal Corporation
*†Ramapo Iron Works (Cars, Castings & General Truck Equipments)
HOMER—*Baker Gear Co. (Gears, etc.)
*Phoenix Hdw. Mfg. Co. (Hardware, etc.)
HONEOYE FALLS—*Honeoye Falls Mfg. Co. (Bean Picking Machy., etc.)
HOOSICK FALLS—*†§Noble & Wood Machine Co. (Paper Mill Machy.)
*†§Wood, W. A. Mowing & Reaping Machine Co.
HORNELL—*Bartz, Wygant & Brown (Inc.) (Chucking Machines, etc.)
*Clemons Machine Co. (Sand Papering Machines, etc.)
†Davis Fdry. (Inc.)
HORSEHEADS—*†Weller Hdw. & Foundry Co. (Grey Iron Castings & Hdw. Specialties)
HUDSON—*†§Gifford-Wood Co. (Friction Clutches, Ice Handling Machinery, Castings, etc.)
*†Railway Steel Spring Co. (Car Wheels, Steel Springs, etc.)
ILION—*Remington Arms Co. (See N Y City)
*†§Wyckoff, Seamans & Benedict (Typewriters). (See New York)
IRVINGTON—*†Lord & Burnham Co. (Horticultural Builders & Greenhouse Heating Apparatus). (See New York City)
ITHACA—*†§Godfrey, E. O. (Machine Work)
*Ithaca Gun Co. (Guns & Typewriters)
*†§Lang, J. B. Engine Works
*†§Morse Chain Co. (Power Transmission Appliances, etc.)
*†§Williams Bros. (Well Drilling Machinery & Agr. Implt. Castings)
JAMESTOWN—*Anderson Bros. (Machinists)
§Art Metal Construction Co.
*Blackstone Mfg. Co. (Corn Planters, Washing Machines, etc.)
*Crescent Tool Co. (Special Machinery, Tools, etc.)
*§Eagle Fdry. & Mach. Co. (Fdrs. & Ma-
*Gurney Ball Bearing Co. chinists)
*Hjorth, Wm. & Co. (Wrenches, etc.)
*†§Jamestown Iron Works Co.
§Jamestown Metal Furniture Co. (Brass, Aluminum & Bronze Castings)
Maddox Machine Co. (Woodworking Machinery)
*†§Maher, Patrick (Machinist & Fdry.)
*Moore Bros. (Files, etc.)
*Phillips Barrel & Machine Co. (Barrel Machinery)
*Rushworth & Son (Machinists)
*United States Standard Voting Machine Co. (Voting Machines)
Weber Mfg. Co. (Cabinet Hdw. & Specialties)
KINGSTON—*Browne, W. G. Mfg. Co. (Hardware Specialties, etc.)
*†Hayes Machine Co. (Inc.) (Box Nailing & Box Printing Machinery, etc.)
*King, A. R. Mfg. Co. (Machy., Tools, etc.)
*†Lawton, Wm. F. (Fdry. & Machinist)
*†Millard, Jas. & Son (Brick Machy. & Castings)
LANCASTER—*†American Malleables Co.
*Lancaster Machine & Knife Works (Bit Braces, Machine Knives, etc.)
†Maute, Frank (Iron Fdry.)
LEONARDSVILLE — *†Babcock Mfg. Co. (Agricultural Implements)
LE ROY—*†§Le Roy Plow Co. (Plows, etc.)
LESTERSHIRE—*†Heath, W. A. Machine Co. (Woodworking Machy)
LIMA—*Bailey Engine Co. (Bottle Washing Machines, etc.)
*†Papec Machine Co. (Feed Cutters, Cream Separators, etc.)
LITTLE FALLS—*†Burrell, D. H. & Co. (Dairy Mach'y)
*Cheney, Henry Hammer Co. (Hammers, Tools, etc.)
*†Reddy's, M. Sons (Castings, etc.)
*Snyder, Homer P. Mfg. Co. (Knit. Mach'y)
*Stafford & Holt (Knitting Mach'y)
LOCKPORT—*†§American District Steam Co. (Steam Traps, Regulators, Valves, etc.)
*†Boston & Lockport Block Co. (See Bos-
†Drew Steel Foundry ton, Mass.)
†Dussault Foundry Works
§Electric Smelting & Aluminum Co.
†Gardner Foundry Co.
†Harris Foundry Co.
*Holly-Carlos Co.
*Kolb, Edw. (Machine Work)
*†§McKim Foundry & Machine Co.
*†Merritt Mfg. Co. (Wood Working Machy)
*Nolan, Wm. (Machinist)
*†Oliver Bros. Co. (Iron & Brass Bedsteads, etc.)
*†Richmond Mfg. Co. (Flour Mill Mach'y)
*Trevor Mfg. Co. (Shingle, Heading, Staves, Handle & Wood Pulp Machy.)
*Ward & McLean (Looping Mach'y)
*Western Block Co. (Tackle Blocks, etc.)
LOWVILLE—*†§Fulton Machine & Vise Co.
LYNDONVILLE—*†Gray, John C., & Co.
LYONS—*†Berns & Schlee
*Nagley Mfg. Co. (Tobacco Planters' Machy., etc.)
MACEDON—*†American Seeding Machine Co. (Agrl. Implts.). (See Springfield, O.
MALONE—*†§Hinds, Thos. (Stone Polishing & Stone Sawing Mach'y & Castings)
MAMARONECK—*†National Machine Co. (Sewing Machines)
MANLIUS—*†Cheney, S. & Son (Iron Fdrs.
*†§Scoville, E. U. Stable Fixtures, etc.)
MARATHON—*†§Climax Road Machine Co. (Road Mach'y, etc.)
*†Livingston, Jas. (Machinist & Fdry.)
MASSENA—*†§Raquette Fdy. & Supply Co.
MASSENA SPRINGS—*Balch, F. (Machinist)
MATTEAWAN—*†Green Fuel Economizer Co. (Fuel Economizers, Blowers, etc.)
MECHANICSVILLE—†Eckerson Bedding Co. (Beds)
†Greene, W. F., Co. (Stove Trimmings, etc.)
MEDINA—*†§Bignall Co. (Sinks, Pumps, Plumbers' Supplies, etc.)
*†CENTRAL FOUNDRY CO. (See adv. index, end of book)
†Medina Foundry Co. (Soil Pipe & Fittings)
*Medina Stamping & Machine Co.
*†§Swett, A. L. Iron Works (Grey Iron Castings, Plumbers' Castings, Door Hangers, etc.)
MELLENVILLE—†Smith, Webster
MERIDIAN—†Everts & Co. (Plows, etc.)
MIDDLEPORT—*Lewis, E. J. (Canning Machinery)
*Niagara Sprayer Co. (Spraying Ma-
†Sherwood, A. G. (Iron Fdry.) chines)
MIDDLETOWN—*†Benjamin, I. S.
*Clemson Bros. (Saws, etc.)
*†Coleman, Galen (Castings All Kinds, General Machy., etc.)
†§Martin, Jas. G. (Castings of Every Description)
*Morgans & Wilcox Mfg. Co. (Printing Machinery)
*National Saw Co. (Saws, etc.)
MONROE—*†Newbury Mfg. Co. (Castings & Steam Fittings, etc.)
MONTOUR FALLS—*†Shepard Electric Crane & Hoist Co. (Pneumatic Tools, etc.)
MORAVIA—†Cady, Geo. S. & Co. (Fdrs.)
*Jewett, H. M. (Lawn Mowers)
MOUNT MORRIS—*Empire Machine Works (Wood Working Machy.)
*†Genesee Valley Mfg. Co. (Grain Drills, Harrows, Corn Shellers, etc.)
MOUNT UPTON—*Willey, Leroy
MOUNT VERNON—*Ams, Max Machine Co. (Can Makers' Machinery, etc.)
*§Henry-Bonnard Bronze Co.
§Mauser Mfg. Co. (Also Silver)
MUNNSVILLE—*†Munnsville Plow Co. (Plows, etc.)
NAPANOCH—Pillsbury, M. M. (Edge Tools, etc.)
NEWARK—†Hamer, T. L. (Castings & Plows)
NEWARK VALLEY—*†Kemp, J. S. Mfg. Co. (See International Harvester Co., Chicago, Ill.)
NEWBURGH—*†§ABENDROTH & ROOT Mfg. Co. (Grey Iron & Brass Castings, Water Tube Boilers, etc.) (See adv. index, end of book)
*Chadbourne & Coldwell Mfg. Co. (Lawn Mowers)
*Coldwell Lawn Mower Co. (Lawn Mowers, etc.)
*†§Coldwell-Wilcox Co. (Sugar Machy., Rock & Ore Crushers, Sluice Gates & Iron & Brass Castings, etc.)
*Gregg Co. (Sugar Cane Cars, Unloaders, etc.)
*Hyer-Sheehan Elec. Motor Co. (Elec. Motors)
†Kimball's, S. G. Son (Brass Fdr.)
*Lackawanna Mfg. Co. (Motors, etc.)
*†§Marvel, T. S. Shipbuilding Co. (Ship & Engine Builders, Iron & Brass Castings, Marine Railways, etc.)
*†§Newburgh Ice Machine & Engine Co. (Corliss Engines, Ice & Refrigerating Machines & Iron & Brass Castings)
†Ross Radiator Co. (Radiators, etc.)
*Staples Valve Co. (Valves, etc.)
*†Turl's, John Sons (Sugar Machy., etc.)
NEW HAMBURG—*†Stuart, R. J. & T. H. (Compression Wedge Couplings, Castings, etc.)
NEW LISBON—* George, M & R. L. (Steam Engines, etc.)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—†§Acme Foundry Co. 280 N Henry
*Acton, Jno. (Machinist), 118 John
*Adriance Machine Works, 254 Van Brunt
*Ambrose Machine Co. (Machinists, Metallic Packings, etc.), Eagle cor Provost
*American Air Compressor Works, Van Brunt & Summit
*†American Machine & Foundry Co. (Iron Fdrs. & Machinists), 346 Carroll
*American Roller Bearing Fifth Wheel Co., 745 3d av
*American Steel Spring Co. (Car Springs, etc.), 2 Rector
*American Stopper Co. (Bottlers Mach'y), 19 Verona
*Art Machine Co., 217 Fulton
*Atlantic Basin Iron Works, 18 Summit
§Atlas Brass Foundry, 112 Greenpoint av
*†Auer, Jno., Jr., 201 Middleton
*Ball, Geo. M., & Son (Gears, Machy., etc.), 56 Greenpoint av
*Ball & Jewell (Machinists), 26 Franklin
*Bauer, Noble & Bauer, 91 Wallabout
*Beach-Russ Co. (Vacuum Pumps & Pressure Blowers, etc.), 59 Greene
*Bergstrom & Bass, 2d av
†Binney & Godfrey (Iron Fdrs., etc.), Kent av
†Binns, David W. (General Iron Fdry.), 56 Sandford
*Blattner, Fred'k (Machinist & Millwright), 223 Maujer
*†Bliss, E. W. Co. (Sheet Metal & Plate Machy., Gears, etc.), 117 Adams
*†Brass Goods Mfg. Co. (Brass Goods, etc.), 280 Nevins
§Brooklyn Brass Wks. & Fdry., 263 Scholes
†§Brooklyn Foundry Co. (Inc.) (Iron & Bronze Founders), 372 G'point av
*†§Brooklyn Navy Yard, Sands st
*†Brooklyn Vault Light Co. (Vault Lights, etc.), Norman ave. & N Henry
*Brown, Geo. J. (Forgings & Machine Works), 75 West
*†§Brown & Patterson, 33 Marcy av
*Burr, John T. & Son (Machine Tools, etc.), 429 Kent av
†Burr & Houston Co. (Iron Fdrs., Electrical Work, Light Castings a Specialty), 84 Calyer
*Cameron Engineering Co. (Overhead Tramways, etc.), 156 Berriman
*Campbell, Jas. F. & Son (Files, etc.), 13 Frost
*CAMERON MACHINE CO. (Cloth Cutting Machinery, etc.), 61 Poplar. (See adv. index, end of book)
*Child, Wm. C. W. (Iron Fdry., Structural), 353 Kingsland av

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*Christoffel's, A. Sons (Tube Cleaners, etc.), 277 Eldert
*Columbia Engineering Works (Machinists), Imlay & Pioneer
*†§Columbia Machine Works & Malleable Iron Co. (Electric Railway Appliances & Malleable Iron & Brass Fdry.), 289 Chestnut
*†Continental Iron Works (Corrugated Furnaces & Gas Works Apparatus, etc.), Calyer & West
§Coyne & Delaney (Brass Fdrs., Plumbers' Specialties, etc.), 303 Rodney
*†§Creamer, W. G., & Co., Smith & Creamer
*Crowell, Gilmer (Mfrs. Tools & Mach'y.), 296 Taaffe pl
*Currie, J. B., & Son, 72 Adams
†Daly, John E., & Co., 53 Dobin
*Davidson, M. T., Co. (Steam Pumps, etc.), 43 Keap
*Deverall Perfection Mfg. Co. (Brass Specialties, etc.), 10 Johnson pl
*Doig, Wm. S. (Est. of), (Box Nailing Mach'y), 54 Franklin
†Duffus, Wm. M., 719 Kent av
*Dugro, Philip & Son, 132 Ten Eyck
*§Durst, Wm. (Brass Fdr. & Finisher), 4 Water
†Eagle Iron Works (Inc.), 850 De Kalb
*Eggers, Wm. J., 339 Classon av
*Electrose Mfg. Co. (R. R. Supplies), 127 N 10th
*Elsesser, Michl., ft Court
*Emmerich, Fred'k, 365 Flushing av
*Fanning, Josephine P., 678 Jefferson av
*†Fischer, Henry C. (Iron Fdry.), 234 Greene
*§Fisher, A. B., Co., 635 Kent av
*Fogarty & Co. (Machinists), 38 Harrison
*Foster Pump Works, 36 Bridge
*Fox, Arthur W., 83 Schermerhorn
*Franklin Machine & Steam Boiler Works (Inc.) (Machinists, etc.), 13 Franklin
†Friberg Iron Foundry, Wyeth av
*†Fulton Foundry & Machine Co. (Machinists & Iron Fdrs.), 25 Furman
§Gates, Peace & Co. (Gas Fixtures), 665 Manhattan av
*General Insulate & Machine Co. (Dies, Tools, etc.), 1008 Atlantic av
*Gill, P. H. & Sons Forge & Machine Works (Forgings, Grain Elevators, Power Transmitting Machinery, etc.), 2 Lorraine
*§Graf, Jos. (Brass Finisher), 886 Park av
*Greene Mfg. Co. (Kindling Wood Mach'y), 300 Oakland
*†Guild & Garrison (Pumping & Sugar Machy., etc.), 255 Kent av
*Hall, Thomas, 457 39th
*Hall & Hurlburt, ft 24th
†Halloran, Thos. (Iron Fdry.), 884 Met av
§Hamilton, Robert, 85 Adams
*Hartley, James (Engineer & Machinist), 75 Delevan
*Hay-Budden Mfg. Co. (Forgings, Anvils), 254 N Henry
*†§Hecla Iron Works (Brass, Bronze & Iron Founders, Iron Bronze & Brass Work & Builders' Iron, Brass & Bronze Work), 118 N 11th
*Hibbard, W. H. Mfg. Co. (Power Presses, Shears, etc.), 79 Washington
*Hicks Speed Indicator Co. (Speed Indicators, etc.), 1263 Atlantic av
*Hofmann, Adolph W. (Die Sinker, etc.), 83 Washn
†§Holdsworth Foundry Co. (Brass & Iron Fdrs.), 454 Rodney
*Holland, Frank, 679 Lorimer
*Hoole Machine & Engraving Works (Book Binders' Machinery), 29 Prospect
*Houchin-Aiken Co. (Candle & Soapmakers' Machinery, etc.), 35 53d
*Hubbard's, Norman, Sons (Vacuum Pump & Veneer Sawing Machines), 26 Water
§Huethwohl, Louis, Jr., 513 Flushing av
§Jefferson Brass Foundry (A. Willerth, Prop.), 209 King
*Johnson, August, 18 Dunham pl
*Jones, Whitfield E. (Special Machy.), 14 Water
†Kasper & Koetzle, 565 Bushwick av
*Kelting, Albert J. (Machinist & Engineer), 459 Carroll
*Kent Machine Works, 39 Gold
†Kings County Iron Foundry Co. (Sash Weights, etc.), N 13th & Berry
†Knight, John J., Sons (Iron Fdry.), Albany & E. N. Yards
*†Krajewski-Pesant Co. (Machy., etc.), 54 Beard
*†Lefferts, Chas. A. & Co., 109 2d av
*Leffler, Chas. & Co. (Inc.), (Presses, Dies & Tools for Sheet Metal & Paper, etc.), 49 Clymer
*†§Lidgerwood Mfg. Co., ft. of Dikeman (See New York)
§Lieb Brass Foundry, 84 Carlton av
*†Logan Iron Works (Mfrs. & Contractors, Oil & Gas Works Complete), 42 Commercial
*Lythgoe, Peter, 5610 2d av
*McAdams, Jno. & Sons (Paging & Ruling Machines), 978 Kent av
*McGibbon Engineering & Iron Works, 12 Columbia
*McMurray, Robt. T. & Bro., 365 Harman
*Marresford, Wm. F. (Wallpaper & Bookbinders' Machy.), 56 Pearl
†May, John (Iron Fdry.), 260 Monitor
*†Mergenthaler Linotype Co. (Linotype Machines), 24 Ryerson
*MERRILL BROS. (Mfrs. of Turnbuckles, Drop Forgings, Vises, Presses, Drop Hammers, etc.), 465 Kent. (See Maspeth, Boro. of Queens, New York.) (See adv. index, end of book)
†§Metcalf, Saml. (Brass & Iron Fdry.), 25 Seabring
†Metropolitan Iron Foundry, 884 Metropolitan av
*Milliken, Chas. H., 79 Washington
*§Mills, Wm. J. (Brass & Bronze Fdrs. & Machinists), 639 Kent av
*Morse Dry Dock & Repair Co. (Marine Works), ft. 56th
*Moussette, O. J. (Dies, Presses & Special Machinery), 481 Driggs av
*†Morton Iron Works, 114 Greene
*Mulstein, Jno., Co. (Tools), 211 3d av
*Murcott & Campbell (Files), 296 Union av
*§Murray, John A. (Brass Finisher), 112 Front
*Nassau Machine Works, 23 Cranberry
*†National Foundry Co. (Cast Iron Soil Pipe & Machy. Castings), 12 Sanford
*NATIONAL GAUGE CO. (Gauges, Valves, Cocks, etc.), 168 8th. (See adv. index, end of book)
*§National Meter Co., 42d & 1st av. (See New York)
*Nebel, Martin A. (Cement, Paint Grinding Mach'y., etc.), 74 Grand av
§Nichols Gas Fixture Mfg. Co. (Gas Fixtures), 1100 Myrtle av
*Oakley & Keating (Laundry Machy), 673 Manhattan av
*Oldham, Joshua & Sons (Saws), 112 26th
*Olsen, Andrew, 39 Union
*Parkes Machine Co. (Sewing Machines, etc.), 290 Taaffe pl
*Paul, Chas. B. (Files, etc.), 467 Keap
*Piel, Bernard F. (Millwright, Engineer & Machinist), 56 Humboldt
*Pioneer Iron Works (Asphalt, Paper Tarring Sugar Machinery, etc.), 149 Pioneer
*†Pirkl, John Iron Works (Inc.), 240 N 10th
*Pollard, Jos. G. (Tools), 141 Raymond
*Pringle, Thos. G. (Machinist), Clay
*Reeve, Henry E., Carroll nr 3d av
*§Reid, R. W. (Plumbers' Supplies, etc.), 272 Kent av
*†§Riley, John J. (Iron & Brass Fdry.), Van Brunt & Summit
*Riley Machine Works, 192 24th
*Robertson, John & Co. (Lead Pipe Mach'y.), 133 Water
*§Roman Bronze Works (Bronze Castings only), 275 Greene
*†Ronalds & Johnson Co. (Cast Iron Soil Pipe & Plumbers' Castings), 51 Boerum pl
*Roovers Bros. (Embossing Presses, etc.), Schermerhorn
*†Ross, Chas. & Son Co. (Paint Grinding & Mixing Machy.), 6146 Classon av
*Rotary File & Machine Co. (Saw Sharpening Machines, Pinking Machines, etc), 589 Kent av
*†Roy Engineering & Iron Works, 17 Bay
§Shapiro & Aronson (Gas Fixtures), 24 Morton
†Simpson Foundry Co. (Builders' Castings of All Kinds), 26 Rodney
*Simpson, Jas. S. (Grinding Mills, etc.), 26 Rodney
†Smith & Loughlin (Iron Fdrs.), Driggs av & N 5th
*§Staats, Geo. & Co., 252 Lorimer
§Standard Water Meter Co. (Water Meters, etc.), Roberts & Main
*§Sweeny, W. H. Mfg. Co. (Brassware, etc.), 66 Water
*†Taylor & Co. (Machine Molded Castings, etc.), Morgan & Norman avs
*Terry & Williamson, 89 Sedgwick
*Thompson-Bonney Co. (Electrical Specialties), 45 York
*Thomson Meter Co. (Water Meters), 79 Wash'n
*Townsend & Moore Engineering Co., Pier 2, Erie Basin
†§Tuttle-Bailey Mfg. Co., 79 N 10th. (See New York)
§U. S. McAdamite Metal Co., 18 Rapelye
*Unitype Co. (Typesetting Machines), 150 Sands
†Universal Iron Foundry (Iron Fdry), 283 Scholes
*Vierengel, Matthew (Machinist), 32 S. 6th
*Vosburgh, W. C. Mfg. Co. (Gas Fixtures, etc.), 93 Underhill av
*Ward, Geo. H., & Co. (Steam, Hydraulic, Electric & Refrigerating Plants, for Marine Purposes, Engine Repairing, etc.), 78 Delevan
*Ward & Upright Eng. Co. (Machinists), 41 York
*Weisbecker, Francis A. & Sons (Machinists), 22 Frost
*Weiss, Louis T. (Machinist), 286 Taaffe
*Wesel, F. Mfg. Co. (Printers' Machy), 70 Cranberry
*Whale Creek Iron Works, Calyer nr Whale Creek Canal
*§White, J. H. Mfg. Co. (Gas & Electric Light Fixture Parts & Trimmings), 111 N 3d
*Wischerth Mfg. Co., 302 McDougal
*Wittemann Bros. (Bottlers' Machy. & Supplies, etc.), 41 Ferris

Boroughs of Manhattan & Bronx.

NEW YORK—*Abele, Christian, 537 W 50th
*†Abendroth Bros. (Stoves, Furnaces, Cast Iron Pipe, etc.), 109 Beekman. Works, Port Chester, N. Y.
*§Acme Brass Works (Brass Finishers, etc.), 147 Baxter
†Ahr, Henry, Iron Works, 444 E. 148th
§Allan, Andrew & Son (Brass Fdrs.), 486 Greenwich
*Allman Gas Engine & Machine Co. (Gas Engines, Ice Breakers, etc.), 29 Sullivan
*†American Locomotive Co. (Locomotives), 30 Church
*American Meter Co. (Gas Meters & Appliances), 11th av & 47th
*American Process Co. (Drying Machinery), 68 William
*†American Sawmill Machinery Co. (Saw Mill Machinery), 50 Church
*†American Smelting & Refining Co., 165 Broadway
*American Wringer Co., 99 Chambers; Works: Auburn, N. Y.
*American Writing Machine Co. (Typewriters), 343 B'way
*Andrews, Phalon & Co. (Marine Engines & Repairs, etc.), 241 West
*Arthur Co. (General Machine Works), 188 Front
*Aue, Ferdinand (Millwright & Machinist), 420 E 62d
*Automatic Switch Co. (Electric Devices), 131 Liberty
*Automatic Vending Co. (Automatic Machines), 240 W 23d
*†Babcock & Wilcox Co. (Water Tube Boilers & Castings), 85 Liberty; Works: Bayonne, N. J.; Barberton, O., & Mansfield, O.
*Baker, Wm. C., Htg. & S. Co. (Car Heating, etc.), 143 Liberty
*Bassemir, John & Son (Brass Finishers), 125 Worth
*Bates Machine Co. (Numbering Machines, etc.), 490 West
*Bayer, Gardner & Himes Co. (Cabinet Hardware, etc.), 157 W 29th
*Bell Electric Motor Co. (Electric Motors), 133 Liberty
*Bender, Ph. J. & Sons (Machinists. Presses, Dies, Tools & Special Machinery), 87 Frankfort
*Benton Mfg. Co. (Registering Machines, etc.), 9 Bethune
*Berggren & Pearson Machine Co. (Model & Experimental Work, Fine Machinery & Tools), 221 Canal
*Blair, Wm. G. (Machinist), 24 West
*†Bogue, Chas. J., Electric Co. (Dynamos & Motors), 515 W 29th
*†Boynton Furnace Co. (Hot Air Furnaces, etc.), 207 Water; Works: Jersey City, N. J.
†Brinkerhoff's, J. P. Sons (Brass Fdrs), 183 G'wich
*†BROWN, A. & F. CO. (Power & Rope Transmitting Machinery, Hangers, Pulleys, etc.), 25 Dey. Works: Elizabethport, N. J. (See adv. index, end of book)

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*Bulasky, Louis (Hat Mach'y., etc.), 42 E Houston
*Burns, Jabez & Sons (Coffee Roasting Machinery, etc.), 600 W 42d
*†§Cameron, A. S., Steam Pump Works (Steam Pumps), 433 E 23d
*Campbell Printing Press & Mfg. Co. (Printing Presses, etc.), 1 Madison av
§Cassidy & Son Mfg. Co. (Gas Fixtures), 133 W. 23d
*Cavagnaro, John J. (Macaroni, Wire Weaving & Watch Case Machinery, etc.), 255 Centre
*†CENTRAL FOUNDRY CO. (Cast Iron Pipe & Plumbers' Cast Iron Goods, etc.), 37 Wall. (See adv. index, end of book)
†Central Iron Works (Iron Fdrs.), 420 E 48th
*†Central Radiator Co. (Radiators), 116 Nassau. Works, Lansdale, Pa.
*Christie Iron Works (Machinist), 11th av & 23d
§City Fire Dept., 12th av & 56th
§Claudat, Frank & Son (Brass & Bronze Fdrs), 424 E. 23d
*Columbia Typewriter Mfg. Co. (Typewriters), 56 Reade; Works: 37 W 116th
*Condon, Thos. F. & Co. (Soap Machinery), 50 Church
*Connelly Iron Sponge & Governor Co., 50 Church
*Connecticut Dynamo & Motor Co., 516 W. 25th
*Cook, Thos. W. G. (Metal Goods Presses), 6 Reade
*†§Cornell, J. B. & J. M. Co. (Brass & Iron Fdrs., Machinists, Sugar Machy, etc.), 26th & 11th av
*Corcoran, A. J. (Inc.), 11 John
§Cory, Chas. & Son (Brass Finishers), 286 Spring
*†Cottrell, C. B. & Sons Co., 41 Park row. (See Westerly, R. I.)
*Craft, Jesse (Centrifugal Pumps, etc.), 260 Front
*†Crane, Wm. M. Co. (Stoves, Grey Iron Castings, etc.), 16 W 32d st. Works, Peekskill, N. Y.
§Cunningham, Wm. J., 671 Water
*Curtis, Chas. L. (Machinist), 199 Grand
*Dale Co. (Electric Fixtures, etc.), 9th av & 13th
*†Deeley, Robt. & Co (Sugar Machy, etc.), 541 W. 32d
*Defiance Button Machine Co., 53 E 8th
*De La Vergne Machine Co. (Ice Machines & Gas & Oil Engines, etc.), Locust av
*Dey, V. G., 517 W 46th
*Dilg Mfg. & Trading Co. (Ice Breakers, Cutlery, Renovating & Polishing Machines, etc.), 401 E. 163d
†Dimond, Thos., 128 W 33d
*Dowdall, Chas. E. (Elevators), 152 W B'way
*Drescher, Louis (Machinist), 207 Centre
†Drummond, M. J., & Co. (Cast Iron Pipe, etc.), 182 B'way. Works, Reading, Pa. & Lynchburg, Va.
§Dubois, F. N., & Co. (Plumbers' Brass Goods, etc.), 247 9th av
*DUDGEON, RICHARD (Hydraulic Jacks, Tube Expanders, Presses & Steam Hammers), 24 Columbia. (See adv. index, end of book)
*Duff & Boden, 175 Grand
*Dunne, Michael F. (Engineer & Machinist), 223 West
*Durbrow & Hearne Mfg. Co. (Duplicate Parts, Machinery, etc.), 12 Wooster
*Dustin, Chas. E. Co. (Electrical Mach'y, etc.), 11 B'way. Works: Orangeburg, N. Y.
*Eranbert, Fred'k (Machinist), 18 Rose
*Edwards & Co. (Electric Appliances), Exterior & 140th
*§Edwards, Jos. & Co. (Bridge Operating, Dredging, Irrigating, Pumping Machy, etc.), 414 Water
*Electro-Dynamic Co. (Electric Machy, etc.), 5 Nassau
*Elliott-Fisher Co. (Book Typewriters, Billing Machines, etc.), 329 Broadway
§Empire Brass & Metal Works, 290 B'way
*§Enos Co. (Gas & Elec. Fixtures), 7th av & 16th
*Erlandsen, Julius (Mattress Machinery, etc.), 172 Centre
*Ermold, Edward, 652 Hudson
*Errington, Franklin A. (Machine Tools), 39 Cortlandt
*†§Fiske, J. W., Iron Works (Iron & Bronze Fdrs.), 56 Park pl
*Ford, Thos. P. Co. (Steam Specialties), 407 Broome
*†§Fox's, Benj. Sons (Brass & Iron Fdrs. & Machinists), 513 W 34th
*†Frick, Horace E. Co. (Grey Iron Castings, Grate Bars, etc.), 286 Greenwich. Works, Lebanon, Pa.
†Fuchs & Lang Mfg. Co. (Lithographers' Supplies), 29 Warren. Foundry, Rutherford, N. J.
*Fuller, E. C. Co. (Bookbinders' Mach'y.), 28 Reade
*Fyfe, Alex. C. (Machinist), 641 W 42d
§Gallagher, James & Sons (Brass Fdrs.).
*Ganz, Chas., 523 W 45th 87 Centre
*Gardam, Wm. & Son (Inc.) (Drilling Machinery, Taps, Dies, etc.), 22 Fulton
*Garvin Machine Co. (Machine Tools, etc.), 187 Varick
*Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights
§Gillen, J. F., & Son, 124 Baxter
*Goat & Hibbs (Machinists), 2 Reade
*†§Goubert Mfg. Co. (Iron & Brass Fdrs., Steam Separators, Steam Specialties, etc), 90 West. Works, Bayonne, N. J.
*Gould Coupler Co. (Car Couplers, Steel & Malleable Iron Castings, etc.), 347 5th av Works, Depew, N. Y.
*§Gould, Mersereau Co. (Brass Fdrs. & Finishers), 43 E 19th
*Grabo, E. O. (Brass Working Machinery), 180 Centre
*†Graff Furnace Co. (Stoves, Furnaces, etc.), 208 Water
§Gramercy Brass & Iron Works (Iron & Brass Fdrs.), 206 E 19th
*Greenlie, Wyatt & Co. (Machinists), 499 Water
†Grinberg Bros. (Gas & Oil Stoves, etc.), 154 South
*†§GRISCOM-SPENCER CO. (Coppersmiths, Grey Iron, Brass, Bronze, Castings, Forgings, Tanks, Boilers, Machinery, etc.), 90 West. (See adv. index, end of book)
§Guerin, P. E. (Inc.) (Brass & Bronze Goods, etc.), 23 Jane
*Gullberg & Smith (Machinists), 478 Pearl
*Haiss, Geo. Mfg. Co. (Coal Handling Machinery), Rider av & 141st
*†Hall Mfg. Co. (Engineers' Specialties), John & Cliff. Works & Foundry, Harrison, N. J.
*Hall's, Saml. Sons (Bolts & Wrenches, etc.), 229 W 10th
*Hammond Typewriter Co. (Typewriters), 69th & East River
§Hampson, Wm. P. (Brass Fdry.), 520 W 22d
*Hankin, John & Bro. (Heaters & Machinists), 550 W 25th
*†§Hardware & Woodenware Mfg. Co. (Brass, Bronze & Grey Iron Castings & Hardware, Toys, Specialties, etc.), 693 Broadway
§Harper, Thomas, 139 Lafayette
*Hatch, F. E. Co. (Paper Box Machinery), 91 Thompson
*Hepworth, S. S. Co. (Sugar Machinery), 92 William
*Heyman, N. H. (Brewers' & Maltsters' Machinery), 438 E 59th
*Himhoff Machine Co. (Tobacco Cutting Machy.), 128 Mott
†Hinkle Iron Co. (Iron Fdrs.), 534 W 56th
*†Hitchings & Co. (Greenhouse Heating Apparatus & Bldrs.), 1170 B'way. Works, Jersey City, N. J.
*†Hobson & Co. (Agl. Implts., Stoves, etc.), 24 State. Works, Tatamy, Pa., & Phillipsburg, N. J.
*†§Hoe, Robert & Co. (Printing Presses,
*Holub-Dusha Co. (Marble Hole Cutting Machinery, etc.), 1799 1st av
*Homan, J. & E., 378 W Broadway
*†Huber, Henry Co. (Plumbing Specialties, Iron Fdrs., etc.), 244 5th av
*§Hudson Foundry Co., 134 W 49th
*Hummel, C., & Sons, 320 Pearl
*Hurd & Haggin (Special Machines, Models, Gasoline Engines, etc.), 310 Hudson
*Hvass, Chas. (Machinist & Street Sweeping Machines), 509 E 18th
*Ideal Opening Die Co. (Dies, Tools, etc.), 24 West
§Iden & Co. (Gas Fixtures), 42 University place
*†Imperial Repair & Brazing Co., 134 W 49th
*†INGERSOLL-RAND CO. (Air Compressors, Rock Drills, Mining Machy. & Pneumatic Tools, etc.), 11 B'way. Works, Tarrytown, N. Y., & Phillipsburg, N. J. (See adv. index, end of book)
*†§International Steam Pump Co. (Steam Pumps, etc.), 115 Broadway
*†JACKSON, WM. H. COMPANY, 29 E 17th (Union Square). (See adv. index, end of book)
*§Janusch Mfg. Co. (Fire Place Finishings, Brass Fdry. & Finisher), 496 E. 134th
*†Johnson, Isaac G., & Co. (Steel Castings & Specialties), Spuyten Duyvil
*†Johnson & Crowley (Printers' Machinists), 182 Centre
§Kaplan, Kandra & Co., 438 E 77th
*†Keil, Francis & Son (Bldrs' Hardware),
*Keyes, Jas. A., 652 Hudson 401 E. 163d
*Kissinger, Jacob, 75 Fulton
*Knickerbocker Machine Works, 8 Jones
*Krom Machine Works (Mining Machinery) 170 B'way. Works, Plainfield, N. J.
*Kumberger & Vreeland (Gas Engines), 33 Sullivan
*†Lalance & Grosjean Mfg. Co. (Grey Iron Castings, All Consumed by the Company), 299 B'way
*Leiman Bros. (High Pressure Blowers), 139 Centre
*Lemmey, T. W. B. (Machinist), 410 W 54th
†Lenox Iron Works, 1959 Park av
*Levering & Garrigues Co. (Steel Structural Work), 552 W 23d
§Levett, Walker M. Co. (Brass, Bronze & Composition Castings), 462 10th av
*Lewthwaite, T. H. (Punching & Shearing Machinery), 411 E 31st
*†LIDGERWOOD MFG. CO. (Hoisting Engines, Coal & Ore Handling, Elevating & Conveying, Pile Driving Machy, etc.), 96 Liberty. (See adv. index, end of book)
*Lindh & Teden (Machinists), 11 Vandewater
*†Lord & Burnham Co. (Greenhouse Heating Apparatus & Builders, etc.), 1133 B'way. Works, Irvington, N. Y.
*Loyd, John Co. (Dies, etc.), 560 Water
*McCabe, Jas. J. (Machine Tools), 33 Church. Works, Jersey City, N. J.
*McCABE HANGER MFG. CO. (Door Hangers, Ball-Bearing Wheels, Dies, etc.), 425 W. 25th. (See adv. index, end of book)
§McCauley, Frank, 502 W. 25th
§McCoy, J. B. & Son (Electric & Gas Fixtures), 114 W. 30th
*†McCrum-Howell Co., (Hot Air Furnaces, Radiators & Heating Apparatus, etc.), 103 Park av
*†McDougall & Potter Co. (Steam Hammers, Punching Machinery, etc.), 606 W 55th
*†McKiernan Drill Co. (Rock Drills & Air Compressors), 115 B'way; Works: Dover, N. J.
*†McLean, John (Fire Hydrants, Valves, etc.) 440 Water
*†§McNab & Harlin Mfg. Co. (Iron & Brass Fdrs. & Finishers, Plumbing & Steam Specialties, etc.), 56 John. Works, Paterson, N. J.
*§Magnolia Metal Co. (Anti-Friction Metal, etc.), 115 Bank
*§Manhattan Brass Co., 332 E 28th
*Manhattan Electrical Supply Co. (Electrical Supplies, Plumbers' Brass Goods, etc.), 17 Park Place. Works, Jersey City, N. J.
†Marcy Stove Repair Co. (Stove, Range & Heater Repairs), 74 Beekman
*†Marine Mfg. & Supply Co. (Ship Machy., etc.), 158 South
§Martin, B. M. (Brass Fdry. & Finisher), 473 W B'way
§Mayor, Lane & Co. (Plumbers' Supplies), 128 White
*†Mietz, August (Gas Engines, etc.), 87 Elizabeth
†*Millers Falls Co. (Machinists' Fine Tools & Hardware Specialties, etc.), 28 Warren. Works, Millers Falls, Mass.
§Mitchell, Vance & Co. (Gas & Electric Fixtures), 503 W 24th
*†§Mosher Water Tube Boiler Co. (Iron & Brass Castings, Water Tube Boilers, etc.), 30 Church. Works, Ossining, N. Y.
*†§Mott, J. L., Iron Works (Plumbers' Supplies, etc.), 118 5th av
*Muller, Chas. A. (Machinist), 66 Centre
*§Mullaney's, Jas., Sons (Plumbers' Specialties, etc.), 141 E. 25th
*Multicoil Co. (Condensers, Extractors, Heaters, etc.), 78 Broad
†Murray Hill Iron Works Co. (Iron Fdrs), 212 E 37th
*Nason Mfg. Co. (Machinists), 71 Beekman
*§Nathan Mfg. Co. (Steam Specialties, Brass Founders, etc.), 85 Liberty. Works, 416 E. 106th

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*†National Enameling & Stamping Co. (Grey Iron Castings, All Consumed by the Company)
*National Meter Co. (Water Meters, Gas Engines, etc.), 84 Chambers
*Needham, A. W. (Special Machy., etc.), §Nelson, Chas., 439 E 10th 110 E. 43d
*§Neptune Meter Co. (Water Meters), 90 West. Works, Long Island City, N. Y.
*NESTOR MFG. CO. (Inc.) (Dies, Special Machinery, etc.), 40 W 13th. (See adv. index, end of book)
*†New Jersey Zinc Co. (Iron Castings for the Use of the Company; also Machine Shop for Repairs), 55 Wall
*†New York Air Brake Co. (Air Brakes & R. R. Appliances), 165 Broadway
*§New York Brass Foundry Co. (Brass Fdrs.), 104 Centre
*NEW YORK CONTINENTAL Jewell Filtration Co. (Water Filters, etc.), 15 Broad. Works, Jersey City, N. J. (See adv. index, end of book)
*†New York Foundry Co. (Sash & Elevator Weights, etc.), 8th av & 155th
*New York Improved Meter Co. (Gas Meters, etc.), 306 E 47th
*New York Kerosene Oil Engine Co. (Kerosene Engines or Motors), 31 Burling Slip
*New York Pattern Machine & Die Co., 442 Water
†Nichols, D. M., Iron Works, 2 Gouverneur sl
*Nielsen, Anton E., 44 Barclay
*†Niles-Bement-Pond Co. (Machine Tools. etc.), 111 B'way
*O'Day, P. H. & Son (Marine Work, etc.), 253 South
*Orth, Fred'k (Brass Finisher), 181 Prince
*†§OTIS ELEVATOR CO. (Electric & Hydraulic Elevators, etc.), 17 Battery pl. Works, Yonkers, N. Y. (See adv. index, end of book)
*†§Patterson-Allen Eng'r'g Co. (Valves, etc.), 2 Rector. Works, Jersey City, N. J.
*Pedersen Mfg. Co. (Tools & Special Machy.), 636 1st av
*†Pels, Henry, & Co. (Punching & Shearing Machy., etc.), 68 Broad. Works, Jersey City, N. J.
*Persky & Sumergrade (Machinists), 51 Elizabeth
*Pollard-Alling Mfg. Co. (Addressing & Mailing Machines), 312 E 23d
*Prentiss Vise Co. (Vises, etc.), 44 Barclay
*Prince, John A., 154 W 27th
*Pryibil P. (Est. of), 512 W 41st
*Purvis, Edw. & Son, 52 Park
*Quimby, Wm. E. (Pumping Machinery), 44 E 23d
*†Quintard Iron Works Co. (Iron Fdrs. & Machinists), 742 E 12th
*†Radley, John J. & Co. Inc., (Iron Fdrs., Railings, Doors, Shutters, etc.), 18th & E. R.
*†Railway Steel Spring Co. (Railway Springs, Steel Tired Wheels, etc.), 32 Cortlandt
*†Ramapo Iron Works (Cars, Castings & General Track Equipment), 30 Church. Works, Hillburn, N Y
*Ramsaier, Gustav (Machinist), 216 William
*Rathbun & Bird Co. (Printers' & Bookbinders' Machy., etc.), 33 Gold
*Rau, Emanuel (Paper Bag Machinery, etc.), 136 Thompson
*†Reedy Elevator Co., 202 9th av. Works, Hoboken, N J
*Reid, Alexander (Engineers & Machinists), 105 Charles
*Remington Typewriter Co. (Typewriters), 327 Broadway. Works, Ilion, N. Y.
*†Remington & Sherman (Safes, Vaults, etc.), 359 Broadway
*Ricardo, Geo., 22 Burling Slip
*†Richardson & Boynton Co. (Stoves, Furnaces, Ranges, etc.), 232 Water. Works, Dover, N J
*Richardson Scale Co. (Scales, etc.), 8 Park Row
*†Rider-Ericsson Engine Co. (Hot Air Pumping Engines), 35 Warren
*Rockwell, L. A. (Bakers' Machy., etc.), 9 Elizabeth
*†Ronalds & Johnson Co. (Cast Iron Soil Pipe & Plumbers' Castings), 54 Cliff
*Rosenfield Mfg. Co. (Coin Operating Machines), 587 Hudson
Ruhle, John H. (Looms), 517 W. 45th
*†Safety Car Heating & Lighting Co. (Car Heating & Lighting Apparatus, 2 Rector
*Schlosser Mfg. Co. (Marine & Auto Motors), 151 E. 126th
*Schmidt, F. L. (Envelope Machy.), 136 Thompson
*Schock, Gustav, 514 W. 57th
*§Scholl, Adam, 225 E 138th
*Schrader's, A Son (Submarine Armor), 30 Rose
*Scott, Walter & Co. (Printing Machy.), 41 Park Row. Works, Plainfield, N J
*SHAW ELECTRIC CRANE CO., 85 Liberty. Works, Muskegon, Mich. (See adv. index, end of book)
*SIMMONS, JNO. CO., 104 Centre. (See adv. index, end of book)
†Simons & Mayer (Iron Railings, etc.), 143 Avenue D
*†Singer Mfg. Co. (Sewing Machines & Special Machy.), 149 B'way. Works, Elizabeth, N J
Slotkin, Mayer (Buffing & Polishing Machines), 210 Canal
*†Smith, H. B., Co. (Steam Heating Apparatus, Radiators, etc.), 39 E Houston. Works, Westfield, Mass.
*†Southard-Robertson Co. (Stoves, Ranges. Furnaces, etc.), 255 Water. Works, Peekskill, N Y
*SPRAGUE ELECTRIC CO. (Electric Machinery, Hoists, etc.), 527 W 34th
*Staley & Gillespie (Electric Elevators, etc.), 445 W. Broadway
*†Steinway & Sons (Piano Plates, etc.) 109 E 14th. Works, Astoria, Borough of Queens, New York City
§Sterling Bronze Co. (Bronze Fdrs. & Gas & Electric Fixtures), 107 W 25th
§Stevens, Howard A. (Brass Finishers), 156 W 27th
*Stimpson, Edwin B., Co. (Special Machy., etc.), 31 Spruce
*†Thatcher Furnace Co. (Hot Air Furnaces, Stoves, etc.), 110 Beekman. Works, Newark, N. J.
*Thompson, Hervey (Builders' Iron Work & Machinist), 176 E 119th
*Thomson, W. S. (Wood Working Machinery), 418 W 27th
*Tight Joint Co. (Tight Joint Fittings), 306 E 47th
*Tirrill Gas Machine Lighting Co., 75 Fulton. Works, Newark, N. J.
*†Toop, Geo. H., 2572 Park av
*†Treadwell, M. H. Co. (Cars, Special Machy., Castings, Forgings, etc.), 90 West. Works, Lebanon, Pa.
*†Turl's, Jno. Sons (Sugar Machy., etc.), 26 Cortlandt. Works, Newburg, N. Y.
*†Tuttle & Bailey Mfg. Co. (Warm Air Registers, Fine Brass, Bronze & Iron Castings, Bronze Doors & Tablets), 83 Beekman; Works: Brooklyn, N. Y
*Underwood Typewriter Co., 241 B'way
*§Union Equipment & Bronze Co., 1901 Park av
*†Union Stove Works (Stoves, Furnaces. etc.), 70 Beekman. Works, Peekskill. N. Y.
*†U. S. Cast Iron Pipe & Foundry Co (Cast Iron Pipe & Heavy Castings), 71 Broadway
*†Universal Caster & Foundry Co. (Iron Founders, Ball-Bearing Casters, etc.), 1170 B'way, New York. Works: Newark, N. J
*Universal Road Machinery Co. (Road Making Machinery), 120 Liberty
*Van Allens & Boughton (Printing Presses), 135 William
§Van Kannel Revolving Door Co., 290 E 134th
*Wagner, Chas., 587 Hudson
*§Wasserstrom, Ignatz, 517 W 45th
*§WATSON-STILLMAN CO. (Hydraulic Machinery, etc.), 50 Church. Works, Aldene, N. J. (See adv. index, end of book)
*†WEBSTER MFG. CO. (Elevating, Conveying & Power Transmitting Machinery), 88 Reade. (See adv. index, end of book)
*Wendtland, Wm. (Dies), 216 Centre
*†§Western Electric Co., 57 Bethune. (See Chicago, Ill.)
†Westervelt, A. B. & W. T. (Builders' Iron Work), 102 Chambers
*†Wheeler Condenser & Eng. Co. (Pumps. Condensers & Sugar Machy.), 146 Cedar. Works, Carteret, N. J.
*†§White Mfg. Co., 556 W 34th
*Wiebke, Chas. (Machinist) 135 W 3d
*†§Williams, John (Brass & Bronze Founders & Wrought Iron Work), 556 W 27th
*Wurm, Alexius, 26 Beekman
*†§Yale & Towne Mfg. Co. (Builders' Hardware), 9 Murray. Works, Stamford, Conn.
*†Yost Writing Machine Co. (Typewriters), 343 Broadway
*Zeidler, Wm. A., Co. (Laundry Machy.), 401 E 162d
*Zimmermann, Lawrence J. (Iron Railways, etc.), 281 E 148th
*Zucker & Levitt & Loeb Co. (Machine Tools), 516 W. 29th

Borough of Queens.

EVERGREEN—Brantigan, Hoelzlein
GLENDALE STATION—*V. & O. Press Co. (Presses, Dies, etc.)
LONG ISLAND CITY—*§Federal Brass & Bronze Co.
*§Franklin Brass Foundry (Brass Castings.
*Leu, F. (Bottlers' Machinery) etc.)
*†§McGee, Jos., Iron & Brass Fdy. Co. (Iron Fdry.), 51 6th
*†§Neptune Meter Co. (See New York City)
†Pirke, John, Foundry Co.
§Queens Borough Bronze & Brass Foun- §Rhoades, R. W. & Co. dry
*†§Russell Foundry & Machine Works
*†§Steinway & Sons (Piano Plates, etc.)
*Sweeney & Gray (Engineers & Machinists)
MASPETH — (N. Y. City) — *MERRILL Bros. (Mfr. of Turnbuckles, Drop Forgings, Vises, Presses, Drop Hammers, etc.), William st. (See adv. index, end of book)
*†§Richey, Browne & Donald (Iron Arch'l & Ornamental Work & Castings)

Borough of Richmond.

MILLIKEN—*†§Milliken Bros. (Inc.) (Iron & Brass Foundry & Machine Shop)
PORT RICHMOND—*Carlson & Russ (Inc.)
WEST NEW BRIGHTON—*†Hunt, C. W. Co. (Hoisting Engines, Electric Locomotives, Cableways, Conveyors, etc.)

(End of New York City)

NIAGARA FALLS—*Carborundum Co. (Carborundum Wheels & Machinery)
*Cataract Machine & Auto. Co.
*†Central Machine Co. (Bookbinders' Machinery)
*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*†§DOBBIE FOUNDRY & MACHINE Co. (Hoisting Engines, Cars, Cranes, Hoists & Iron & Brass Castings, etc.). (See adv. index, end of book)
*McGarigle Machine Co.
†Niagara Foundry Co.
*Philpot & Leupple (Machinists)
*†Ramapo Iron Works (Cars, Castings & General Track Equipment). Works, Hillburn, N. J.
NORTH HARPERSFIELD—*†Dayton, Wm. H.
NORTH TONAWANDA—*†§American District Steam Co.
*Buffalo Bolt Co.
*†§Buffalo Steam Pump Co. (Steam Pumps, etc.)
*†§Herschell, Spillman & Co. (Merry-go-Rounds, etc., & Park Carnival Devices)
*†Niagara Radiator & Boiler Co. (Radiators & Cast Iron Heating Boilers)
NORWICH—*†Ireland Machine & Foundry Co.
*Maydole, David, Hammer Co.
NUNDA—*Foote Mfg. Co. (Concrete Mixers & Gas Engines)
NYACK—*Ofeldt, F. W. & Sons (Gas & Gasoline Engines, etc.)
OGDENSBURG—*†§Fell, Jos. E.
*Glass, John
*§Hackett, Patrick Hardware Co. (Brass & Iron Founders)
*†Nash Bros. & Co. (Steam Engines, etc.)
§Seeley, John A., Mfg. Co.
OLD CHATHAM—†Hurlbut, Geo. A. (Plows & Castings)
OLEAN—*†Abbott, D. S., Co. (Saw Mill Machinery, etc.)
*†§Carley Heater Co. (Tan Liquor Heaters & Coolers)
*Chamberlin Mfg. Co. (Screw Stump Machines)
*†Luther Mfg. Co. (Punching & Shearing Machinery, etc.)
*†§Myrick Machine Co. (Gas Engines, etc.)
ONEIDA—*Coles Tool & Machine Co.
†Kelly & Kennedy
*Oneida National Chuck Co. (Drill & Lathe Chucks)
†Oneida Steel Pulley Co. (Pulleys, etc.)
*Warner Safety Boiler Co. (Boilers, etc.)
*Wescott Chuck Co. (Drill & Lathe Chucks)

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ONEONTA—*Gorham, H. E. (Machinist)
*†§Titchener-Culver Iron Works
ORANGEBURG—*Empire Engine & Motor Co. (Air Tools, etc.)
ORISKANY—†Oriskany Malleable Iron Co.
OSSINING—*†§Ingersoll-Rand Co. (See New York City)
*Kipp, Abram, Jr. (Machinist)
OSWEGO—*†§Ames Iron Works (Engines & Boilers)
*Baker, Benj. (Machinist)
*Howard Thermostat Co. (Heat Regulators, etc.)
*†§Kingsford Foundry & Machine Works (Steam Engines, etc.)
*Kitts Mfg. Co. (Steam Specialties, etc.)
†§Oil Well Supply Co. (See Pittsburg, Pa.)
*†Oswego Boiler & Engine Co. (Engines, Boilers, etc.)
†§Oswego Bronze & Iron Foundry Co.
*Oswego Machine Works (Nell Gray, Jr., Prop.), (Paper Cutting Machines, etc.)
*Oswego Tool Co. (Dies, Tools, etc.)
*Railway Steel Spring Co. (See New York City)
OWEGO—*Champion Wagon Co. (Grain Drills, etc.)
*Stevens, Norton A. (Machinist)
OXFORD—*Butts-Nash Co. (Machinists)
PAINTED POST—*†Allen, E. R., Foundry Co.
PALMYRA—*†Peerless Printing Press Co.
PARISHVILLE—*Robinson, Myron E.
PATCHOGUE—*Roe, Justus & Sons (Rowler Awning Fixtures, Tape Measures, etc.)
PEARL RIVER—*Braunsdorf, Jno. H. (Printing Presses)
*†§Dexter Folder Co. (Paper Folding Machinery)
PEEKSKILL—*Anderson Machine Works (Machinists)
*†§Crane, Wm. M., Co. (Grey Iron Castings, etc.). (See New York City)
†Fox, Joseph M., Iron Works
*†§Naylor Bros. (Brick Machinery, etc.)
†Southard, Robertson Co. (Stoves). (See New York City)
†Union Stove Works (Stoves, Furnaces, etc.) (See New York City)
PENN YAN—*†§Commercial Iron Works Co.
PHELPS—*†Crown Mfg. Co. (Grain Drills, etc.)
†Zenith Foundry Co. (Stoves, Ranges, etc.)
PHOENIX—*†Sturgis Bros.
PIFFARD—*Shattuck, T. N.
PLATTSBURGH—*†§Lozier Motor Co.
*†Plattsburgh Foundry & Machine Co.
PORT CHESTER—*†Abendroth Bros. (Cast Iron Pipe, Stoves, Furnaces). (See New York City)
*†Globe Foundry Co.
*Port Chester Machine Works
*Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts, Screws, etc.)
PORT JERVIS—*†§Gordon & Malven Co. (Stoves)
†Swinton & Co. (Inc.) (Fdrs. & Hardware)
POTSDAM—*†§Leete, Charles H. (Iron Fdry.)
POUGHKEEPSIE—*†§Adriance, Platt & Co. (Agricultural Implements)
*Chapinville Wheel Co. (Rakes, Harrows, Seeders & Sowers, etc.)
*†De Laval Separator Co. (Dairy Implements, etc.)
*†§Dutchess Foundry Co.
*Hart, Frederick (Builds and Develops all Kinds of Inventions and Special Machinery)
*†Hudson River Foundry Co.
*†Lane Bros. Co. (Door Hangers & Hardware Specialties)
§Poughkeepsie Brass Foundry
*†Poughkeepsie Foundry & Machine Co.
*Sedgwick Machine Co.
*Standard Machine Key Mfg. Co.
PULASKI—*†§Olmsted, A. E.
RAMAPO—*†Ramapo Foundry & Wheel Works (Car Wheels & Castings of All Descriptions)
RAVENA—*†Ravena Iron Co.
RANDOLPH—*†Pike, F. H. (Foundry & Machinist)
RICHFORD—*Hilts Wrench & Mfg. Co. (Car Movers, Pipe Wrenches, etc.)
RIPLEY — *Ripley Pipe Wrench Co. (Pipe Wrenches, etc.)
RIVERHEAD—*Hudson, S. T. (Agrl. Implts., etc.)
ROCHESTER—*†§American Laundry Machy. Co. (Laundry Machy.). (See Cincinnati, O.
*†American Woodworking Machinery Co. (Woodworking Mach'y.)
*†Anstice, Josiah, & Co. (Hardware Specialties)
*Ashley Machine Works, 714 University av
*Auburn Ball Bearing Co. (Ball Bearings, etc.)
*Baxendale, T. R. (Machinist), 85 Allen
*Beers Bros. (Gasoline Engines, etc.), Culver rd at Canal
*Booth Bros. (Shoe Machinery), 22 Brown's race
*Bourne, Jno. R. (Dies, etc.), 111 State
*Boutell Mfg. Co. (Apple Evaporating Machinery)
*Bridgeford Machine Tool Works (Axle Turning & Engine Lathes), 225 Mill
*Century Cement Machine Co., 181 Main W
*Clark Novelty Co. (Metal Specialties, Light Machinery, etc.), 380 Exchange
*§Clum & Atkinson (Plumbers' Brass Goods & Brass & Comp. Castings), 575 Lyell av
*Cochrane-Bly Co. (Cold Saw Cutting-off Machines, etc.), St. James
*†Connell & Dengler Machine Co. (Woodworking Machinery), 254 Mill
†Co-Operative Foundry Co. (Stoves, etc.),
*Davis, W. P. Machine Co. (Machine Tools, etc.), 130 Mill
*Defiance Machine Co. (Check Protectors),
*Economy Gas Machine Co. (Gas Engines)
*†§Enterprise Foundry Co. (Hot Air Furnaces, Soil Pipe & Castings)
*Erdle Perforating Co. (Machine Tools, etc.), Mill, cor Factory
†Erie Foundry Co. (Iron Fdrs), 330 Lyell av
†Eureka Foundry Co. (Castings, Grates, Manholes, etc.)
*Funck, Philip, 101 N Water
†Galusha Stove Co. (Stoves)
*†General Railway Signal Co. (Railway Signals, etc.)
*†§Gleason Works (Iron Foundries, Gears, Gear Planers, etc.)
*Goette, Rudolph, 293 Mill
*†Heughes, F. L., & Co. (Iron Founders & Builders' Iron Work), 190 South av
*Hydro-Press Co. (Hydraulic Presses, etc.)
*Ingle Machine Co., 220 Mill
*†Jones, J. Emory (Est. of) (Foundry & Machinist), Brown's race, ft Furnace
*†Judson Governor Co. (Steam Engine Governors), Brown's race & Furnace
*Klip-Klip Co. (Nail Clippers), 574 Clinton av S
*KNOWLTON, M. D. CO. (Paper Box Machinery). (See adv. index, end of book)
*Kohlmetz, Chas. E. & H. L., 178 N Water
*Kron, Philip (Machinists), 13 Aqueduct
*Long, Adam A. (Special Machinery, Tools & Dies), 18 Graves
*Luitwieler Pumping Engine Co. (Pumping Machinery, etc.)
*Mack & Co. (Edge Tools, Machine Knives), 18 Brown's race
*Modern Laundry Machine Co. (Laundry Machinery), 123 Ames
*Morgan Machine Co. (Boxmakers' Machinery, etc.), 1100 University av
*Mutschler, A. & H. G. (Elevator Motors, etc.), 208 State
*§National Brass Mfg. Co. (Metal Specialties), 193 Mill
*†§National Car Wheel Co. (See Pittsburg, Pa.)
*Northway, Thos. J. (Machinist), 92 Exchange
§Nunn Brass Works (Brass Founders & Finishers), 17 Wentworth
*†OTIS ELEVATOR CO. (See New York City) (See adv. index, end of book)
*Otis, Frank H., 191 Mill
*Parry, Samuel R. (Paper Box Machinery), 191 State
*Patric, Milan N. (Machinists, Punches, Dies, etc.), Bee Hive bldg.
*†Pullman Mfg. Co. (Hardware Specialties, etc.), Pullman bldg
*Rochester Barrel Machine Works (Barrel & Shingle Mill Machinery, etc.), 10 St. James
*Rochester Electric Motor Co. (Elec Machy, etc.), 3 Franklin
*Rochester Machine Tool Works (Automatic Engines, etc.), 3 Franklin
*Rochester Radiator Co., 268 State
*Rochester Roll Grinding & Corrugating Co., 218 Mill
*Rochester Valve Co. (Valves, etc.), Beckley bldg
*Ryede Specialty Works (Vending Machines & Metal Specialties), 187 Main W
*§Sargent & Greenleaf Co. (Bank & Safe Locks, etc.)
*Schirck, Edw. (Machinist), 22 Spring
†Sill Stove Works (Stoves, etc.)
*Stein, Wm. P. & Co., 282 State
*§Stromberg-Carlson Telephone Mfg. Co. Telephones, etc.)
*Taylor Bros. Co. (Barometers, Hydrometers, etc.), Ames st
*Tibbils Mfg. Co., 84 Flint
*Trebert Gas Engine Co., 163 W Main
*Truesdale, S. B. & Co. (Dies, Tools, etc.)
*Tucker, Geo. A. (Machinist & Small Machinery), 14 Commercial
*U. S. Standard Voting Machine Co. (Voting Machines)
*Werner, John (Confectionery Machinery),
*West Tire Setter Co. (Tire Setters, etc.)
*Wilson, W. A., Machine Co. (Machine Tools, etc.), 217 N Water
§Wray, Henry & Son (Brass Founders), 103 Mill
ROME—*†Adams, S. & Son.
*§Doyle, W. J. (Light Machinery, Brass & Aluminum Castings, etc.)
*Empire State Engineering Co. (Ice Machines, etc.). (See New York City)
*Harris, C. S. Co. (Power Hoisting & Carrying Machines)
*Long-Turney Mfg. Co. (Motors, etc.)
§Matthews, Jas. H., & Co. (Inc.), (Metal Signs, etc.)
†Maxwell & Fitch Co. (Gasoline Engines, etc.)
Noonan, A. S. Tool & Machine Works (Auto & Bicycle Tools, etc.)
*§Rome Brass & Copper Co.
*†§Rome Locomotive & Machine Works
*†Rome Metallic Bedstead Co.
*†Rome-Turney Radiator Co. (Radiators, etc.)
*Utica Industrial Co. (Automatic Can Machinery)
ST. JOHNSVILLE—*Clark Machine Co. (Grain Threshers, etc.)
SALAMANCA—*†§Salamanca Engine Co. (En-
SALEM—*Wayman, Sam'l T. gines, etc.)
SANDY HILL—*†§Friction Pulley & Machine Works
*Hibbard Gas Engine Co. (Gas Engines, etc.)
*†§Sandy Hill Iron & Brass Works (Paper Mill Mach'y & Iron & Brass Castings)
SARATOGA SPRINGS—*†§Baker & Shevlin Co. (Paper Mill Machinery)
*Perfect Mfg. Co. (Tools, etc.),
SAUGERTIES—*†§Canner, P. (Brick Machinery & Castings, etc.)
SAUQUOIT—*Townsend, Z. P.
SCHENECTADY — *†§American Locomotive Co. (Locomotives). See New York City.)
*Diamond Novelty Co. (Vending Machines, etc.)
*†§GENERAL ELECTRIC CO. (Electric Generators & Machinery). (See adv. index, end of book)
*Phillips, S. C. (Broom Machinery)
*†§Westinghouse Co. (Agricultural Implements, Threshers, Stackers, etc.)
SENECA FALLS—*†American La France Fire Engine Co. (Fire Engines & Apparatus).
*†§Cast Thread Fitting & Foundry Co.
*Davis, E. C. & Co. (Plumbing Specialties)
*†§GOULDS MFG. CO. (Steam Pumps, etc.). (See adv. index, end of book)
*†§Rumsey & Co. (Steam Pumps, Fire Engines, etc.)
*†Seneca Falls Mfg. Co. (Foot Power Machinery, etc.)
SHORTSVILLE—*†§American Seeding Mach. Co. (Grain Drills, etc.), (See Springfield, O.
*Star Seeder Co. (Agrl. Implts)
SIDNEY—*Lakin, Bruce (Machinist)
SILVER CREEK—*Hammond-Homberger Co. (Mill Machinery)
*†Howes, S. Co. (Grain, Coffee & Rice Cleaning Machinery, etc.)
*†Huntley Mfg. Co. (Grain, Rice & Coffee Cleaning Machinery, etc.)
*†Invincible Grain Cleaner Co. (Flour Mill & Grain Cleaning Machinery, etc.)
SILVERNAILS—†Hicks, J. A.
SKANEATELES—*Humphries, T. J.
SODUS—*Hunt Mfg. Co. (Fruit Paring Ma-
SODUS POINT—*†Seely, D. W. chines)
SOLVAY—*Pass & Seymour (Electric Specialties)
SPRINGVILLE—*Smith & Smith
STOCKPORT—*Phillip, Rossman
SYRACUSE—*Ames Iron Works (Engines, etc.). The Eastable
Barber Bros. (Steam & Gasoline Engines)
*Boggs & Clark (Centrifugal Pumps, etc.)
*†Boomer & Boschert Press Co. (Presses, etc.). 329 W Water
*†Bradley, C. C. & Son (Power Hammers, etc.), 432 N Franklin
*Breads, Fred A. & Co. (Machinists), 328
*†Caldwell & Ward Brass Co. E Water
*Carr Bros. (Tool Holders, etc.), 107 N. Franklin
*§Central City Brass & Mfg. Co.
*Central City Bolt Co. (Door Hangers, Bolts, Nuts, etc.), 1620 N Salina
*Continental Machine Co.
*Crouse-Hinds Co. (Electrical Specialties)
*Direct Separator Co. (Steam Specialties)

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*Dodge Machine Works (Machinists), 920
*Doyle & Devereaux W Onondaga
*†Dunning, Wm. D. (Plaster Mixers & Pulleys, Shafting & Castings), 329 W Water
*§Edwards, O. M. Co. (Window Fixtures, Railway Devices, etc.)
†Empire Foundry Co., 325 Wolf
*†§Engelberg Huller Co. (Rice & Coffee Machinery, Grey Iron & Brass Castings)
*†Franklin, H. H. Mfg. Co. (Special Alloy Castings)
*†Frazer & Jones Co. (Harness, Hdwe. & Malleable Iron Castings), 351 W Fayette
*Frick Bros. (Machinist), 304 Pearl
*Gale, O. Milton (Tools, Special Machy., Gears, etc.), 303 Wallace
*†General Foundry & Machine Co. (Grey Iron Castings)
*†Globe Malleable Iron Co. (Malleable Iron Castings)
*Gooley & Edlund, 581 S Clinton
*Herrick, Geo. S. (Machinist), 132 N Warren
*Houser Elevator Co. (Elevators), 314 E Water
*Kane & Roach (Carriage Bldrs.' Machinery), Niagara & Shonnard
Kemp & Burpee Mfg. Co. (Manure Spreaders), 1117 W Fayette
*King, Wm. P. Tool Works
*Landers, W. H. & Co. (Stoves, Furnaces, Ranges, etc.)
*Lefever Arms Co. (Automatic Hammerless Guns, etc.)
*Leighton, H. J. (Marine Gasoline Engines), 901 W Fayette
*Lipe, Chas. E. (Est. of) (Dies, Tools & Special Machinery), 208 S Geddes
*Lipe & Walrath (Broom Sewing Machines), 208 S Geddes
*Llewellyn & Doyle
§McVey & Kratz (Brass Founders), 116 Richmond
*Monarch Typewriter Co. (Typewriters, etc.)
*Myers Break Finder Co. (Electrical Testing Instruments), 102 S Warren
*New Process Raw Hide Co. (Cut Gears, etc.)
*§Oberdofer, M. L., Brass Co. (Brass Founders)
*†Pierce, Butler & Pierce Mfg. Co. (Radiators & Heating Apparatus), 236 James
*†Pneumelectric Machine Co. (Coal Mining Machinery, etc.)
†Beddin Iron Works (Iron Founders), 408 Marcellus
§Senk, John & Bro. (Brass Founders), 1515 Lodi
*Shaw Coupling Co. (Power Transmission Appliances, etc.)
*Smith, L. C., & Bro., Typewriter Co. (Typewriters)
*†Smith Premier Typewriter Co. (Typewriters)
*†Smith & Caffrey Co. (Props., Phoenix-Porter Fdry.) (Grey Iron Castings & Ornamental Iron Work), 1425 N Salina
*†Solvay Foundry Co.
*Standard Gauge Mfg. Co. (Steam Gauges)
*†§Stearns, E. C. & Co. (Automobiles, Typewriters & Hardware Specialties), 100 Oneida
*†Straight Line Engine Co. (Grey Iron Castings, Loam or Green Sand to 20,000 lbs.), 218 S Geddes
§Syracuse Aluminum & Bronze Co. (Composition Castings, etc.)
*†Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, etc.), 111 Wyoming
*Syracuse Faucet & Valve Co. (Brass Founders, Finishers & Plumbers' Brass Goods), 1620 N Salina
†Syracuse Foundry Co. (Iron Founders), W Towpath nr N Y C R R bridge
*Syracuse Heater Co. (Heating Apparatus)
*†Syracuse Malleable Iron Works (Refined Air Furnace & Iron Castings), 121 N Geddes
†Syracuse Stove Works (Stoves, Ranges & Furnaces)
*Syracuse Twist Drill Co. (Twist Drills, etc.), 936 Grape
*Van Wagner, E. B., Mfg. Co.
*Van Wie Pump Co. (Belt & Power Pumps, etc.)
TARRYTOWN — *†§INGERSOLL - RAND Co. (See New York City). (See adv. index, end of book)
*Koenig, N. & Sons
*Maxwell, Briscoe Motor Co. (Motors, etc.)
THERESA—*†§Wakefield, Jas. W.
THROOPSVILLE—*Meyer & Co. (Coil & Spiral Nuts, Axle Collars, etc.)
TICONDEROGA — *†§Ticonderoga Machine Works (Paper & Pulp Mill Machinery)
TONAWANDA—*†§Gille Machine Co. (Brass & Iron Foundry, Deck Engines, etc.)
*Mahar, John (Engines, Boilers, etc.)
TROY—*Adams Laundry Machinery Co. (Laundry Machinery)
*†Bascom & Co. (Stove Patterns, etc.)
*Bernard, E. G. Co. (Dynamos & Motors, etc.)
*Bradt Mfg. Co. (Card Machines)
*Brown, Eugene H.
*Bunnell, L. S. (Machinist)
†Burdett-Smith & Co. (Stoves)
*†Carr, Jos. B. Co. (Chains, etc.)
*Covert Fire Escape Co. (Fire Escapes, etc.)
*Covert Mfg. Co. (Hardware Specialties)
*Excelsior Implement Co. (Agrl. Implem'ts)
*†Fuller & Warren Co. (Stoves & Heating Apparatus)
†Gold Coin Stove Co. (Stoves)
*Gormley, Robert W. & Co. (Textile Machinery, etc.)
*§Gurley, W. & L. E. (Surveying Instruments, etc.)
*Hammett, M. C. (Railroad Specialties, etc.)
*Hanna Mfg. Co. (Engineering Instruments)
*†Hislop, Jas. W. (Iron Foundry & Scale Mfr.)
*Interstate Machinery Co. (Laundry Machinery, etc.)
§Kemp Brass & Bronze Co. (Brass & Copper Founders, Railroad Castings, etc.)
*†Knowlson & Kelley (Corliss Engines, Castings, etc.)
*†§Ludlow Valve Mfg. Co. (Iron & Brass Founders, Valves, Fire Hydrants & Water Works' Supplies)
*†Mahoney Heating, Ventilating & Blower Co. (Furnaces, Boilers, etc.)
*†Mahony Mfg. Co. (Iron Founders, Builders' Iron Work, etc.)
§Meneely Bell Co. (Bell Founders, etc.)
*Micrometer Balance Scale Co.
*Morey, Alex. W. (Machinist)
*†National Machine Co. (See Mamaroneck, N Y)
*†Neemes Bros. (Machinery Castings, Shaking Grates, etc.)
*†Phillips & Clark Stove Co. (Stoves). (See Geneva, N. Y.)
*Prankard, Chas. J. & Sons (Paper Box & Laundry Machy.)
*†§Rensselaer Mfg. Co. (Iron Founders, Vales, Fire Hydrants & Waterworks Supplies)
†Reynolds Chalou Foundry Co. (Heavy Machinery & Small Grey Iron Castings)
†Reynolds, Geo. W. H. Fdry. Co. (Grey Iron Fdrs., etc.)
*†§Ross Valve Co. (Valves, Fire Hydrants)
*†Taylor Electric Truck Co. (Electric Car Trucks, etc.)
*Tolhurst Mach. Works (Hydro Extractors, Laundry Machinery, etc.)
*Tompkins Bros. Co. (Textile Machinery)
†Torrance Malleable Iron Co.
*Troy File Works (Files, etc.)
*†Troy Laundry Machinery Co. (Ltd.) (Laundry Machinery)
†Troy Malleable Iron Co. (See Watervliet.
*Troy Scale Co. (Scales) N. Y.
*†§West Side Foundry Co. (Grey Iron Castings, etc.)
*†West Side Structural Co.
TRUMANSBURG—*†Almy, Samuel & Son (Rollers, Plows, etc.)
*Electric Fittings Co. (Electrical Specialties)
UTICA —§Blaiser, M. E. & Co. (Gas & Electric Fixtures, Hardware Specialties, etc.)
*Bossert Electric Construction Co. (Machinists & Electrical Specialties)
*Childs, Chas. H. & Co. (Cultivators, etc.)
*Childs, O. J. Co. (Fire Extinguishers, etc.)
Divine Bros. Co. (Buffing & Polishing Wheels, etc.)
*Eureka Mower Co. (Cultivators, Mowers, Planters, etc.)
*Fisher Knitting Machine Co. (Textile Machinery)
§Foster Bros. Mfg. Co. (Iron Beds, etc.)
*†Giblin & Co. (Stoves, Furnaces, etc.)
*†Hart & Crouse Co. (Heating Apparatus, Hot Air Furnaces, etc.)
*†International Heater Co. (Heating Apparatus, etc.)
*Jones, Frank L. (Cheese Factory & Creamery Machy. & Supplies)
†Lortz-Teuscher Co. (Iron Beds)
*Mott Wheel Works (Automatic Parts, Axles, etc.)
*†Munson Bros. Co. (Flour, Corn & Feed Mill)
*†New York Radiator Co. (Radiators, etc.)
*Savage Arms Co. (Fire Arms, etc.)
*Schrier, Walter (Machinists & Elevators)
*Sherman, S. F. (Canning Machinery)
*†Standard Harrow Co. (Cultivators, Harrows, Corn Shellers, etc.)
§Utica Brass Works (Brass Founders)
*Utica Drop Forge & Tool Co. (Forgings, Hardware & Specialties, etc.)
*Utica Fire Alarm Telegraph Co.
*§Utica Fixture Co. (Gas Fixtures, etc.)
*†Utica Heater Co. (Heaters & Furnaces)
*†Utica Pipe Foundry Co. (Cast Iron Soil Pipe, etc.)
*Utica Sprayer Co. (Sprayer Pumps)
*†§Utica Steam Engine & Boiler Works (Engines, Boilers & Machinery)
VERNON—*†Pohl, Geo. D. Mfg. Co. (Gasoline Engines, etc.)
VOORHEESVILLE—†Bloomingdale, Frank Iron Fdry.)
WALTON—*†§Lloyt, L. E. Co.
*†§Walton Foundry Co.
WARSAW—*†Warsaw-Winkinson Co. (Ensilage Cutters, etc.)
WARWICK—*Richardson, H. W. & Son
WATERFORD—*†§Eddy Valve Co. (Valves, Fire Hydrants, etc.)
*Holroyd & Co. (Taps, Reamers, Screw Plates, etc.)
*King, J. M. Co. (Inc.) ("Buttons," Wire Cutter & Plier Combined)
*Miller, H. C. (Collar & Cuff Machines)
§Roberts & Holloway (Brass Fdry.)
*Snyder & Metcalf (Machine Tools)
WATERTOWN—*†§Bagley & Sewell Co. (Iron Fdrs. & Paper & Pulp Mach'y)
*Barber-Weekes Electrical Co.
†Brownville Iron Works
*†§Harmon Machine Co.
*†Lance, Geo. A.
*†Massey Machine Co. (Machinists)
*†New York Air Brake Co. (Air Brakes & R. R. Appliances). (See New York City)
*Stebbins Eng. & Mfg. Co. (Mill Machinery)
*Union Carriage & Gear Co.
*†Watertown Engine Co. (S. F. Bagg, Prop.), (Steam Engines, Saw Mills, etc.)
*Watertown Motor Co. (Motors, etc.)
Watertown Spring Works
*Watertown Thermometer Co.
*§Wise, J. B. (Hdw. Specialties, etc.)
WATER VALLEY—*†Stuart, Parson H.
WATERVILLE—*†§Berrill's, J. A. Sons (Iron & Brass Fdrs., etc.)
*†Waterville Fdry. & Mfg. Co. (Paint Grinding & Mixing Machy.)
WATERVLIET—*†Aird, Alanson, A. (Cast Iron Bushings & Plugs, etc.)
†Covert Mfg. Co. (See Troy, N. Y.)
*†Jones, J. M. Sons (Electric Cars)
*King Mfg. Co. (Waste Traps, etc.)
*§Meneely, Geo. R., & Son (Car Bearings)
*§Meneely & Co. (Bell Fdrs.). (See Troy, N. Y.
†Troy Malleable Iron Co. (See Troy, N. Y.)
†§U. S. Arsenal
*†West Side Foundry Co. (See Troy, N Y)
WEEDSPORT—*Burritt, O. W. & Bro. (Machine Tools, etc.)
WELLSVILLE—*†Clark & Norton Mfg. Co.
*Gallman, C. H. (Engines, etc.)
*Kerr Turbine Co. (Steam Turbines)
*†§McEwen Bros., Inc. (Steam Engines, etc.)
WESTMORELAND—*†Westmoreland Malleable Iron Co.
WEST SHOKAN—*Forbes, Ira C.
WILLIAMSON—*Fuller & Cooper (Spraying Machines, etc.)
WOLCOTT—*†Curtis, O. M. (Machinist)
*†Knapp, F. P.
YONKERS—*†§Allen, David E. (Iron Fdry.)
*Conley, Jno. J. (Machinist & Millwright)
*Danner, Ad. Co. (Machinist)
*Hargreaves, John D. (Machinist)
*Morris, Thos. (Machinist)
*†§Otis Elevator Co. (See New York City)
*†Saunders', D. Sons (Inc.) (Pipe Cutting & Threading Machines)
*Seaschneider, Rudolph G.
*Skinner & Connolly (Machinists)
YOUNGSTOWN—*†Ripson, Wm. & Son (Iron Fdrs. & Plows, Cultivators, etc.)

NORTH CAROLINA.

ASHEBORO—*†Asheboro Wheelbarrow & Mfg. Company
ASHEVILLE—*†§Asheville Supply & Fdry Co.
*†§Sternberg Supply & Foundry Co.

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AURORA—*Aurora Mfg. Co. (Farm Implts.)
*Cherry Implement Co. (Agrl. Implts.)
BISCOE—†§Biscoe Foundry & Machine Co.
BURLINGTON—*Virginia Bridge & Iron Co. (See Roanoke, Va.)
CARDENAS—*Wake Machine Works
CHARLOTTE—*†§American Machine Mfg. Co. (Engineers & Machinists)
*†§Charlotte Pipe & Foundry Co. (Cast Iron Pipe, etc.)
*†Cole Mfg. Co. (Cotton Planters)
*†§Fuller Combing Gin Co.
*Jarrell, W. G. Machine Co.
*†Liddell Co. (Engines & Machinery & Castings)
*†§Mecklenburg Iron Works (Saw Mill & Mining Mach'y, etc.)
*†§Moffatt Machinery Mfg. Co. (Pumps, Elevators, etc.)
*†§Park Mfg. Co., Inc. (Belt & Power Elevators, etc.)
CONCORD—*†§Concord Foundry & Machine
CORNELIUS—*Miller Mfg. Co. Works Co.
DUNN—*†§McKay, J. A. Mfg. Co. (Machinists & Iron & Brass Castings of All
DURHAM—*†§Durham Iron Works Kinds)
ELIZABETH CITY—*†§Elizabeth City Iron Works
FAYETTEVILLE—†§Carolina Machine Co.
*Clark, I. W., Machine Co.
†§Ward, Thos. (Plows, etc.)
GOLDSBORO—*†Dewey Bros. (Iron Fdrs., etc.)
*†Wayne Agricultural Works (Plows, etc.)
GREENSBORO—*Clymer, L. M.
*Clymer Machine Works (Steam Heaters, Valves, Boxes)
*†Cook-Lewis Foundry Co.
*†Glascock Stove & Mfg. Co. (Stoves & Hollow Ware, Plow Castings, Special
*Gray, R. A. Machinery, etc.)
*†Greensboro Boiler & Machine Co. (Boilers, Corliss Engines, etc.)
*Newman Machine Co. (Saw Mill Machy.,
*Petty-Reid Co. etc.)
*†Sergeant Mfg. Co. (Fdrs. & Machinists & Agl. Implts.)
*Wysong & Miles Co. (Woodworking Ma-
GREENVILLE—*Humber, R. L., Machine
HAWRIVER—*Thompson, J., & Son. Works
HICKORY—†King Heater Co. (Heaters, Stoves, etc.)
*Latta & Martin Pump Co. (Pneumatic
*†Piedmont Fdry. & Machine Co. Pumps)
HIGHPOINT—*†Highpoint Machine Co. (Ma-
*†High Point Metallic Bed Co. chinists)
*†High Point Pipe & Fdry. Co. (Soil Pipe,
JACKSON—*Moore, John E. etc.)
KENLY—*†Earle, S. S. (Plows, etc.)
KINGSTON—*†§Hodges, E. M.
LAURINBURG—*Blue, Jno. (Machinist)
NEWBERN—*†A. & N. C. Ry. Shops
*†§Newbern Iron Works & Supply Co.
NORTH WILKESBORO—†Wallace, J. V.
PEMBROKE—*†Pembroke Iron Works (Plows, etc.)
PINETOWN—*Parker, Surrey (Machy., Engines, etc.)
RALEIGH—†Gill, J. H. (Iron Fdry.)
*†§Raleigh Iron Works Co.
ROCKY MOUNT—*Rocky Mount Machine Co.
SALISBURY—*†Salisbury Supply & Commis-
*†§Thompson, P. H. sion Co.
SANFORD—†Moffitt Iron Works Co. (En-
*†§Selma Iron Works gines, etc.
STAR—*†§Star Machine Co.
STATESVILLE—†Steele, J. C., & Son (Brick Machy., etc.)
THOMASVILLE—*McKnight, L. G., & Son Co.
WAKE FOREST—*†Wake Forest Foundry Co. (Plows, etc.)
WANANISH—*Council Tool Co. (Tools, etc.)
WASHINGTON—*†§Mutual Machine Co. (Fdrs. & Machinists)
*†§Pamlico Iron Wks. (Fdrs. & Machinists)
WILLIAMSTON—*Woolard, J. L. (Harrows, etc.)
WILMINGTON—*†§Cape Fear Machine Works
*†§Wilmington Iron Works
WILSON—*†§Davis, W. J., Machinery Co.
WINSTON SALEM—*†American Aquahoist Co. (Pumps, etc.)
*†§Forsyth Foundry & Machine Works
†Reynolds, R. J., Tobacco Co.
*†§Salem Iron Works (Engines, Saw Mills, Coffee & Rice Plantation Mach'y., etc.)
*†§Vance, J. A., & Co. (Fdrs. & Machinists, Woodworking Machy., etc.)

NORTH DAKOTA.

CANDO—*†Cando Implement Co. (Agrl. Implements)
ECKMAN—*Prairie Machine Co. (Agrl. Implts.)
FARGO—*Fargo Bridge & Iron Co.
*†§Fargo Foundry Co (Gasoline Engines, Light & Heavy Castings)
GRAND FORKS—*†§Grand Forks Foundry
*Ridler & Maguire & Machinery Co.)
LANGDON—*McMillan Machine Co.
PARK RIVER—*Holland, Sam'l
WAHPETON—*†§Richter, J. J.

OHIO.

ADDYSTON—*†U. S. Cast Iron Pipe & Fdry. Co. (See New York City)
AKRON—*†§Adamson Machinery Co. (Rubber Machinery, etc.)
§Akron Brass & Bronze Foundry Co.
*†Akron Cultivator Co. (Agrl. Implts., Cultivators, etc.)
*†Akron Foundry Co. (Machinery Castings, etc.)
*Akron Friction Clutch Co. (Friction Clutches, etc.)
*Akron Selle Co. (Wagon Gears)
†Atlantic Foundry Co. (Rubber Mfg. Machinery)
*Brandon Machine Co. (Mitering Machines, Mounting Presses, etc.)
*Bridgewater Machine Co.
*Budd, Harry T. (Dies, etc.)
*Burger Iron Co. (Bldrs. Steel Work)
*Burt Mfg. Co. (Oil Filters, etc.)
†Christy Steel Co. (Crucible Steel Castings)
*Crown Drilling Machine Co. (Well Drilling Machinery)
Enterprise Mfg. Co. (Metal Specialties & Fishing Tackle, etc.)
*Garl Electric Co. (Annunciators & Telephones & Apparatus)
Harpham & Lutz (Machinists)
†Imperial Electric Co. (Dynamos, Generators, etc.)
*†International Harvester Co. (Buckeye Works). (See Chicago, Ill.)
*Jones & Kuhlke (Steam Engine Gover-
*Kile Mfg. Co. (Sucker Rods) nors)
*Knaak Bros. (Engineers & Machinists)
§Krisher, P. A., Brass Foundry
*Lombard-Replogle Engineering Co. (Water Wheel Governors)
*National Water Wheel Governor Co. (Water Wheel Governors, etc.)
*†May & Fiebeger Co. (Hot Air Furnaces)
*Niagara Fire Extinguisher Co. (Fire Extinguishers)
*†Nute, T. C. Foundry Co. (Lawn Vases
*Ornamental Iron Works Co. & Chairs)
†Prudential Heating Co. (Hot Water Heating Apparatus)
*Sackmann Mfg. Co. (Inc.) (Steel Stamps, Stencils & Seals), 19 Cherry
*†Star Drilling Machine Co. (Well Drilling Machinery, etc.)
*†§Taplin-Rice-Clerkin Co. (Stoves, Furnaces, Clay Working Machy., etc.)
*†§Wellman-Seaver-Morgan Co., Cleveland, O.
*†WHITMAN & BARNES MFG. CO. (Agricultural Implts., Twist Drills, etc.), See also Chicago, Ill. (See adv. index, end of book)
*†Williams Foundry & Machine Co. (Pottery & Rubber Machinery, Friction
†Wise Furnace Co. Clutches, etc.)
ALLIANCE—†Alliance Foundry Co. (Grey Iron Castings)
*Alliance Machine Co. (Cranes, Riveters, Punches, Steam Hammers, Presses, Shears & Rolling Mill Machinery)
†American Steel Foundries Co. (Open Hearth Castings). (See Chicago, Ill.)
†Bauch, Fred'k (Machy, Castings & Land Rollers)
*†MORGAN ENGINEERING CO. (Cranes, Steam Hammers & Hydraulic & Rolling Mill Machy.), (See adv. index, end of book)
*Reeve Bros. Co. (Boilers, Tanks, etc.)
*Wood Engineering Co. (Tool Grinders,
ASHLAND—*Hunter, Jas. S. etc.)
*†§Myers, F. E., & Bro. (Pumps & Agrl. Implts., etc.)
*Safety Door Hanger Co. (Door Hangers)
ASHTABULA—*†American Fork & Hoe Co. (See Cleveland, O.)
*American Snap Co. (Saddlery Hwd. Specialties)
*Ashtabula Mfg. Co. (Hdw. Specialties)
*†Barber Mfg. Co. (Furnaces, Hdw. & Plumbers' Specialties & Iron Fdrs., etc.)
*†McKinnon Iron Works (Iron Fdry., etc.)
Noyes Heater Co. (Heaters, Furnaces, etc.)
*†§Phoenix Foundry & Machine Co.
ATHENS—*†§Athens Fdry. & Machine Co.
AVERY—*Hoover-Prout Co. (Potato Diggers, etc.)
BARBERTON—*†§Babcock & Wilcox Co. (Water Tube Boilers & Castings) (See
*†§Diamond Match Co. New York City)
*†§Pittsburg Valve & Fitting Co. (Valves, Pipe Fittings & Iron & Brass Castings)
BARNESVILLE—*Hall, Geo. D.
*†§Watt Mining Car Wheel Co. (Mine Cars & Wheels, etc.)
BATAVIA—*Carroll-Jamieson Machine Tool Co. (Foot Lathes, etc.)
BEDFORD—†Best Foundry Co.
*†Interstate Engineering Co. (Cranes, Hoists, Conveying & Special Machinery, Steel Structural Work, etc.)
BELLAIRE—†Bellaire Stove Co. (Stoves)
*†§Carnegie Steel Co. (Office Pittsburg,
†§Dorer, C. L., Fdry. Co. Pa.)
BELLEFONTAINE—*†Bellefontaine Bridge & Steel Iron Co.
*†Bellefontaine Foundry & Machine Co. (Steam Shovels, Dredges, Castings, Re-
*Bowman, Paul G. pairs, etc.)
*Hennesey, D. R.
†§Humphrey, Chas. S.
*Parker, J. A.
BELLEVUE—*†Ohio Cultivator Co. (Agricultural Implements, etc.)
BEREA—*†Dunham, J. W. & Son (Harrows, Corn Shellers, etc.)
BIG PRAIRIE—*§Monitor Sad Iron Co.
BLUFFTON—*Arras Cream Separator Co. (Cream Separators)
*Bluffton Cream Separator Co.
*Sanitary Cream Separator Co. (Cream
*Triplett Meter Co. Separators)
BOWLING GREEN—*†Standard Machinery Co. (Bolt Cutters, Pipe Machines, etc.)
*†§Thornburgh Mfg. Co. (Garden Tools, Cultivators, Light & Heavy Grey Iron Castings, etc.)
BRADNER—*†Bradner Mach. & Fdry. Co.
BRIDGEPORT—*Hill, Thomas
BRILLIANT—*Hunter & Son
BRYAN—*†Bryan Plow Co. (Plows, Harrows,
*Woodward, Edwin etc.)
BUCYRUS—*†§American Clay Machinery Co. (Brick & Clay Mach'y, etc.)
†Bucyrus Steel Casting Co. (Basic Open Hearth Steel Castings)
*†§Carroll Foundry & Machine Co.
*New York Blower Co. (Blowers, Exhausters, Fans, Steam Engines, etc.). (See Chicago, Ill.)
*†Shunk Plow Co. (Agl. Implts., Plows, Cultivators, etc.)
BUTLER—†Butler Steel Furnace Co.
CADIZ—*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*Scott & Rogers Co. (Hardware Special-
*Ward, W. G. (Machinist) ties)
CALDWELL—*†Caldwell Mining Car & Fdry. Co. (Cars, etc.)
CANAL DOVER—*†Dover Mfg. Co. (Sad-Irons,
*†Hardesty Mfg. Co. etc.)
*Snyder Electric Mfg. Co. (Dynamo & Mo-
*†Wagner Bros. tor Mfrs.)
CANAL FULTON—*†Fulton Machine Co. (Agl. Implements, Land Rollers, etc.)
*†Fulton Pitt Car Works (Industrial Steel
*Fulton Tool Works Cars, etc.)
CANTON—*†§Alliance Foundry Co. (Grey Iron Castings)
*†American Roll & Foundry Co. (Rolling Mill Machy., etc.)
*†American Sheet & Tin Plate Co.' Roll Machine Works (Rolling Mill Machy., Arctic Ice Machine Co. (Ice Machine, Valves & Fittings)
*Armor Clad Mfg. Co. (Conductor Pipe
*§Balm, J. A., Mfg. Co. Machinery, etc.)
*§Best Light Co. (Incandescent & Vapor Gas Lamp Burners, Aluminum & Brass Castings, etc.)
*†Bonnot Company (Brick, Clay Working & Cement Machy., etc.)
*†Bucher & Gibbs Plow Co. (Agl. Implts., Plows & Cultivators)
*Callaghan Machine & Die Co.
*CANTON BOILER & ENGINEERING Co. (Steel Plate Work of All Kinds). (See adv. index, end of book)
*§Canton Brass Co. (Aluminum, Brass & Bronze Castings)
*†Canton Bridge Co. (Bridges, etc.)
*Canton Drop Forging & Mfg. Co. (Drop Forgings & Machinists)
*†CANTON FOUNDRY & MACHINE Co. (Sheet Metal Working Machinery, Castings, etc.) (See adv. index, end of book)
*†Canton-Hughes Pump Co. (Steam Pumps,
*Canton Machine Shop etc.)
*†Canton Malleable Iron Co. (Saddlery Hardware, etc.)

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*†§Canton Saw Co. (Woodworking Mach'y, etc.)
*Canton Tool & Machine Co.
*†Cleveland Axle Mfg. Co. (Axles, etc.)
*Cleveland-Canton Spring Co. (Carriage Springs, etc.)
†Columbia Iron & Wire Works
*†Dick, Jos. Agricultural Works (Agricultural Implements)
*§Diebold Safe & Lock Co. (Bank Vaults, Safes, etc.)
*Dueber Watchcase Mfg. Co. (Watch Cases, etc.)
*†§Elbel Co. (Saddlery Hdw. & Castings)
*Engine & Machinery Co.
*§Frankham, Wm., & Son (Models, etc.)
*Gibbs Mfg. Co. (Hardware Specialties)
*Hampden Watch Co. (Watch Mfrs., etc.)
*Hurst, H. L. Mfg. Co. (Spray Pumps)
*Knight Mfg. Co. (Saw Mill Mach'y, etc.)
Hardware Specialties, etc.)
*Kohler, F. E. & Co. (Garden Tools &
*Leiter Machine & Repair Co. Hdw.
*†McLain, J. H. Co. (Heating Apparatus, etc.)
*Miller Pasteurizing Machine Co. (Pasteurizing Machines, etc.)
*†Miller-Tyson Co. (Pasteurizing Mach'y, etc)
*Ney Mfg. Co. (Haying Tools, Carriers, etc.)
*Ney, V. L. Co. (Haying Tools, Carriers, Lawn Rakes, Post Hole Diggers, etc.)
*†Novelty Iron Co. (Radiators, Heating Apparatus, Castings, etc.
*Pittsburg Pneumatic Co. (Pneumatic Tools, etc.)
*Power Electric Co. (Electrical Machy.,
*†Royal Foundry & Machine Co. etc.)
†Shull Steel Castings & Mfg. Co. (Steel Castings)
Skinner Mfg. Co. (Hardware Specialties)
*§Stark Foundry Co.
*§Sun Vapor Street Light Co. (Incandescent & Vapor Street Lamps, etc.)
*Swineford, G. A. Co. (Haying Tools, etc.)
*Timken Roller Bearing Axle Co. (Roller Bearings for Vehicles, etc.)
*†United Foundry & Machine Co.
*†WAGENER STEAM PUMP WORKS (Steam Pumps, etc.). (See adv. index, end of book)
§Whiteman Mfg. Co. (Tumbler Washers,

CARTHAGE—(See Cincinnati, O. etc.)
CELINA—*†Struckman, Geo. W. (Machinist & Foundry)
CHAGRIN FALLS—*†Ober Mfg. Co., Woodworking Machinery, Sad-Irons, etc.)
†Semi-Steel Co. (See Cleveland, O.)
CHILLICOTHE—*†§B. & O. South Western Railway (Shops)
*Drechler, August (Machinist)
*Deweese, F. M. (Lifting Jacks, etc.)
CINCINNATI—*Ahrens Fire Engine Co. (Steam Fire Engines, etc.), Alfred & Cook
*Alpine Safe & Lock Co., 903 Freeman
*§American Brass Works (Plumbers' Brass Work), 426 Plum
§American Copper & Brass Works, 612 E Front
*†American Laundry Machinery Co. (Laundry Mach'y, etc.), Norwood
*†American Tool Works Co. (Machine Tools, Lathes, Planers, Shapers, Drills, etc.), 6th & Eggleston av
§American Valve & Meter Co. (Water Cranes, R. R. Switches, Valves & Castings), 1125 Gest
*Andrew, M. L. & Co. (Woodworking Machinery, etc.), 2852 Spring Grove av
*Atlas Machine & Tool Works, 206 Ludlow
*Barker, Wm. & Co. (Machine Tools, etc.). Culvert & Pioneer
*Barnes, Chas. Co., 55 Main
*†Baum, J., Safe & Lock Co. (Safes)
§Behrens, F. D., Co. (Harness Specialties, etc.), 124 E. Court
*Berghausen Machine Co., 601 Lock
*†Bleitner, Jos. B. & Co. (Soap & Candle Mach'y), 1974 Central Ave
*Block-Pollak Iron Co. (See Chicago, Ill.)
*†Blymyer Iron Works Co. (Iron Fdrs., Sugar, Coffee & Rice Plantation Mach'y), 2933 Spring Grove av
†Bollmann-Wilson Foundry Co., 506 E. Front
*†§Bourbon Copper & Brass Works (Fire Hydrants, Stop Valves, Extension Valve Boxes & Iron & Brass Fdrs., etc.), 618 E Front
*Bradford Machine Tool Co. (Machine Tools, Engine Lathes, etc.), 657 Evans
*†Bruce, Jno. J., Foundry Co. (Iron Fdrs., Machine Tools, etc.), 2421 Colerain av
†Buckeye Foundry Co. (Iron Fdrs., Machinery Castings, etc.), Buck, nr Queen City av
*†§Bullock Electric Mfg. Co. (Dynamos, Generators, etc.), East Norwood
*Buob, Fred. Machine Co. (Machinists), 423 Home
*Burton Range Co. (Steel Ranges), 317 Walnut
*Carlisle & Finch Co. (Searchlights & Motors, etc.), 231 E Clifton av
*Champion Tool Works Co. (Lathes, etc.), 2420 Spring Grove av
*Cincinnati Ball Crank Co. (Machine Handles, Ball Crank)
§Cincinnati Bell Foundry Co. (Bell Fdrs., etc.), 2933 Spring Grove av
*†Cincinnati-Bickford Tool Co. (Machine Tools, etc.)
*†Cincinnati Car Co. (Electric Car Builders)
*Cincinnati Electrical Tool Co. (Electric Drills & Grinders), 650 Evans
*Cincinnati Elevator Works (Elevators, etc.), 216 W 2d
*†Cincinnati Equipment Co. (Locomotives, Cars, Steam Shovels, etc.), Cullom Station
*†Cincinnati Frog & Switch Co. (Frogs, Switches, etc.), Madison rd. & B. & O. S. W. R. R.
*Cincinnati Lathe & Tool Co. (Machine Tools, etc.), 2780 Spring Grove av
*§CINCINNATI MFG. CO. (Brass & Bronze Fdrs. & Ornamental Iron, Brass & Bronze Works), 1243 W 6th. (See adv. index, end of book)
*Cincinnati Milling Machine Co. (Machine Tools, etc.), Spring Grove av & Alfred
*†Cincinnati Planer Co. (Machine Tools) 2235 Buck
*Cincinnati Pulley Machinery Co. (Pulley Lathes), 118 W 2d
†*Cincinnati Punch & Shear Co. (Punching & Shearing Machinery, etc.), 1422 Plum
*Cincinnati Shaper Co. (Machine Tools, etc.), Elam & Garrard av
Cleveland Pneumatic Tool Co., Cleveland, O.
*Cluthe, G. Co. (Edge Tools & Hdw. Specialties), 28 E Court
*†Columbia Brake Shoe & Foundry Co., Traction bldg
*Columbia Iron Works (Bldrs.' Iron Work), 725 Reading Rd
*Consolidated Time Lock Co. (Time Locks etc.), 315 W 4th
*Conway & Co. (Pulleys, etc.), 2507 Western av
*Cordesman-Rechtin Co. (Woodworking Machines), Butler opp. P. C. C. & St. L. R'y
*Cordesman, Meyer & Co. (Woodworking Machines, etc.), 55 Central av
*§Crane & Breed Mfg. Co. (Metallic Burial Cases, etc.), 1227 W 8th
*Curran, Jas. H. Elevator Co. (Elevators), 114 W 2d
*†Day, J. H. Co. (Laboratory & Pulverizing Mach'y, etc.), 1144 Harrison av
§Deckebach, F. C., Sons Co. (Brass Fdrs. & Finishers), 123 W Court
*Deters, F. & Co. (Pop Corn Mach'y, etc.). 906 Elm
*Deutschle, Louis (Machinist, Lithographing & Printing Mach'y), 1017 Plum
*§Douglas, Jno. Co. (Plumbing Goods). 2126 Winchell av
*Dreses Machine Tool Co. (Machine Tools etc.), 227 W McMicken av
*Eagle Tool Co. (Tools, Fire Extinguishers, etc.), Blue Rock & Turrill
*§Edna Smelting & Refining Co. (Car & Motor Brasses & Castings), 525 Reading rd
§Electric Railway Equipment Co., 1098 W 8th
†Elmwood Castings Co. (Grey Iron Castings, etc.), Elmwood pl
*§Enterprise Brass & Plating Co. (Carriage Mountings, Brass Finishers & Platers, etc.), 2838 Spring Grove av
*†Erhart, Chris. (Filter Presses, Castings of Every Description, etc.), 1237 W 6th
§Eureka Brass Works (Brass Fdrs.), 1040 Hulbert av
†Eureka Foundry Co. (Iron Fdrs., etc.), 1110 Richmond
*†Fay, J. A. & Egan Co. (Woodworking Mach'y, etc.), Front & John
§Fewlass Leen Brass & Iron Co. (Brass Fdrs. & Finishers), 456 E 2d
*Fosdick Machine Tool Co. (Machine Tools), Blue Rock & Apple
*Francis, Chas. H. & Bro. (Woodworking Machy., etc.), 19 E 6th
*Freeman, Louis G. (Shoe Mach'y), 212 E 9th
*Frisbie Engine & Machine Co. (Engines, etc.), 33 E Water
*Gang, Wm. H. Co. (Machine Tools), 1543 Queen City av
*Geier, Jno. (Special Machinery), 325 W 2d
§Globe Brass Works, 62 Elm
†Globe Foundry Co., 121 W 2d
*†Gray, G. A., Co. (Machine Tools), C. H. & D. R. R. & Gest
*Greaves, Klusman & Co. (Machine Tools & Woodworking Mach'y). Cook & Alfred
*†Greenwald, I. & E. Co. (Engines, Gears, Powder Mill & White Lead Machinery, etc.), 720 E Pearl
*Grimm, I. & Co. (Bldrs.' Iron Works), 155 E McMicken av
†Grossius, Jno. Furnace Co. (Warm Air Furnaces, Heaters, etc.), 409 E 6th
*HALL SAFE CO. (Safes & Bank Vaults), Spring Grove & Kinney. (See adv. index, end of book)
*Hardisty & Co. (Augers, Machine Knives, etc.), Harris & Penna. R. R.
*Hasenzahl, Wm. (Diamond Rock Drills), 315 E 2d
*†§Haven Malleable Casting Co. (Malleable Iron Fdrs. & Carriage Hdwe.)
*Heilman, Jno. C. (Confectionery Machinery), C. H. & D. Ry. & Gulow
*Hemplemann & Hector (Special Machy., etc.), 57 Murdock blk
*Henrichson Scale Co. (Butchers' Scales), 1421 Walnut
§Hilb, L. (Smelting & Refining, etc.). 1254 W 8th
*Hilbert Machine Co., 2116 Colerain av
*Hisey-Wolf Machine Co. (Machine Tool Grinders, Drills, etc.), 2908 Cormandy av
§Hoffman-Ahlers Co. (Coppersmiths, etc.), 828 E Pearl
*Homan & Co. (Candle Moulding Mach'y, etc.), Findlay & Western av
*Homann Model Works, 427 Main
§Hoppe, Chas., & Co. (Brass Goods), 632 Main
*†Houston, Stanwood & Gamble Co. (See Covington, Ky.)
†Huenefeld, Ernst H. Co., Inc. (Steel Ranges, etc.)
*§Incandescent Light & Stove Co., 420 E Pearl
*International Harness Machinery Co. (Harness & Leather Working Mach'y). 630 Sycamore
*Jantz & Leist Electric Co. (Dynamo & Motor Works), York & Western av
*Johnston, R. C. & Co. (Machinists & Engineers). 633 Walnut
*Johnston, Wm. T. Co., 520 Main
*Keene, Geo. C. & Co. (Sheet Metal Workers' Mach'y & Tools), 2327 Florence av
*†Kern Machine Tool Co. (Upright Drills, Pulley Lathes, etc.), 4057 Spring Grove av
*King Machine Tool Co. (Machine Tools), Clifton & Spring Grove ave, W P
*Kingery Mfg. Co. (Confectioners' Machy., etc.), 106 E Pearl
*Kinsey, E. A., Co., 331 W. 4th
§Kinsley, J. R. (Brass Fdrs.), 115 E 6th
*§Kirkup, Robt. & Co. (Brass Fdrs. & Finishers, Plumbers' Brass Goods), 616 Lodge
§Kisinger-Ison Co. (Brass Fdrs. & Street Sweeping Machines & Street Ry. Supplies), 1734 Powers
†Kline, F. A., & Co. (Stoves), Front & Central
*§Klotter, Geo. F. Co. (Brass Frs., etc.), 1722 Central av
*†Knecht, Victor, Co. (Iron Fdrs.), 819 Wade
*Koenigkramer, F. & F., 1140 York
*Kuehnle, Jno. & Son (Edge Tools, Machinists' Bits & Cutters for Woodworking Machinery), 2110 Colerain av
*†§Laidlaw-Dunn-Gordon Co. (Pumps, Pumping Engines & Mach'y, etc.), 211 W 4th
*†Lane & Bodley Co. (Air & Gas Compressors, Corliss & Slide Valve Engines, etc.)
*Le Blond, R. K. Machine Tool Co. (Machine Tools, etc.), 4601 Eastern av
†Limberg Foundry & Enameling Co. (Enameled Iron Bath Tubs & Iron Castings, etc.), Florence av. & Symmes

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*†Lipp, Louis, Co. (Plumbing Goods), Mitchell av & B. & O. S. W. R. R.
*Lodge & Shipley Machine Tool Co. (Machine Tools, etc.), 3055 Colerain av
†Lotze's, A. Sons & Co. (Steel Ranges, Hot Air Furnaces, etc.), N W c 8th & B'way
*†§LUNKENHEIMER CO. (Brass & Iron Fdrs., Steam, Water & Engineering Specialties), Waverly av & Beekman. (See adv. index, end of book)
*McFarlan & Spilker Mfg. Co. (Picture Frame Mach'y, etc.), 1652 Dorman
*†§McGowan, Jno. H. Co. (Pumping & Tobacco Mach'y & Brass & Iron Fdrs., etc.), 54 Central av
*McKeown, H. J. (Hoisting Machinery, etc.), 248 Butler
*MacLeod, Walter & Co. (Paint Spraying Machines, Air Compressors, etc.), 213 E Pearl
*†Merrie, Hugh (Plumb'g Goods), 124 E 8th
§Messmer, Andrew, Co. (Brass Fdrs. & Finishers), Patterson & Bank
*Metzger, J. Mfg. Co. (Machinists), 2165 McLean av
*Miami Machine Co. (Gasoline Engines, etc.), 2259 Eastern av
*Miller, Du Brul & Peters Mfg. Co. (Cigar & Cigarette Mach'y, etc.), 507 E Pearl
*†Miller, Wm. Range & Furnace Co. (Ranges, Furnaces, etc.), 125 E 5th
§Model Brass Foundry, 1212 Race
*Monarch Tool Co. (Tool Dies, etc.), 120 Opera pl
†Monitor Stove & Range Co. (Stoves, Ranges, etc.), C. H. & D. Ry. & Gest
*Morris, Jno. B., Foundry Co. (Machine Tools), 933 Harriet
*†Mowry Car Wheel Works Co. (Car Wheels and Iron Castings) 2401 Eastern avenue
*Muehlmatt, Adolph (Tools, etc.), 5th & Elm
*Mueller Machine Tool Co. (Machine Tools, Radial Drills, etc.), 2427 Colerain
§National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc.), 1115 Marshall av
*National Elevator Co. (Elevators, etc.), 124 Opera pl
*National Machine Tool Co. (Key Seat Millers, etc.), 208 Lawrence
*§Nichol, Thos. J., & Co. (Brass Fdrs. & Finishers' Plumber Goods), Pearl & Ludlow
*Niebling, F. W., Co. (Ice Machines & Fittings), Norwood
*Nugent Tool Co. (Friction Clutches, etc.), 2163 Central av
*Nunning, Frank & Son (Machinists, etc.), 215 W 2d
*†Oberhelman, J. A., Foundry Co., Harrison av & Buck
*Oesterlein Machine Co. (Machine Tools, etc.), 2850 Spring Grove av
§Ohio Brass Foundry (Brass Castings, etc.), 209 Lawrence
*Ohio Knife Co. (Machine Knives, etc.), 9th & McLean av
§Ohio Pattern Works (Brass Castings, etc.)
*Parks Ball Bearing Machine Co. (Ball Bearing Machinery)
*†Peck-Hammond Co. (Hot Air Furnaces, Heating & Ventilating, etc.), 124 E Pearl
*†Peck-Williamson Heating & Ventilating Co. (Iron Fdrs.), 335 W 5th
*§Pfau Mfg. Co. (Plumbing Supplies), 536 Reading rd
*Pfister, Herman (Engineering & Surveying Instruments, etc.), 428 Plum
*Pocock, Oliver (Sheet Metal Workers' Mach'y & Tools), 1042 Harriet
*Post-Glover Electric Co. (Electric & Elec. Railway Specialties), 314 W 4th
§Powell, Wm., Co. (Steam & Engineering Specialties & Brass Fdrs.), 2525 Spring Grove av
*Precision Machine Tool & Developing Co., 2125 Colerain av
Queen City Forging Co. (Carriage Hdw. etc.), Tennyson & Dumont
§Queen City Brass & Iron Works (Brass), Spring Grove & Garrard av
†Queen City Foundry Co., Spring Grove av
*Queen City Machine Tool Co. (Machine Tools), Sycamore & Webster
*Queen City Punch & Shear Co. (Punching & Shearing Mach'y), 208 Lawrence
*Rahn Carpenter Co. (Machine Tools), Spring Grove av & Garrard av
*Randall, J. D., Co. (Harness & Horse Collar Machinery)
*†Randle Machinery Co. (All Kinds of New & Second Hand Re-Built Machinery), 1723 Powers
*Rechtin, Louis B. & Bro. (Woodworking Mach'y), 412 E Pearl
*REEDY, H. J. CO. (Elevators, etc.), 15 W 2d. (See adv. index, end of book)
*Rich Pump Co. (Pumps, etc.), 625 Carr
§Richter & Co. (Plumbers' Brass Goods), 210 E. 9th
*Robinson, J. M., Mfg. Co. (Sheet Metal Workers & Tools), 3282 Spring Grove av
Ross, Jas. (Saws, etc.), 107 E Court
*Ross-Moyer Mfg. Co. (Boot, Shoe & Harness Machinery), 634 Sycamore
*Schacht Mfg. Co. (Mach'y Specialties), 2727 Spring Grove av
*Schellenbach & Darling Tool Co. (Reamers, etc.), 211 E 9th
*Schriver, O. P. & Co. (Hardware, etc.), 621 E. Pearl
§Schroder, J. B. & Co., Builders' Hardware, etc.), 133 E 5th
*†§Schreiber, L. Sons Co. (Structural, etc.), 431 E 8th
*Schumacher & Boye (Machine Tools), 2245 Spring Grove av
*Shepard Lathe Co. (Machine Tools), 131 W 2d
*Shields & Finch (Elevator Gates), etc.), 231 Sycamore
*Sicking Mfg. Co., 1931 Freeman av
*Simmons, W. H. & Co. (Machinists), 424 E Second
*Smith, Myers & Schnier (Steam Engines, Saw Mills, etc.), 621 W Front
*Smith & Mills (Machine Tools, Crank & Geared Shapers, etc.), Spring Grove av & Township
*†Stacey Mfg. Co. (Bldrs. Iron Work, Gas Meters, Bench Castings, etc.), Township av & C., C., C. & St. L. Ry.
*Standard Die Co. (Cutting Dies, etc.), 125 E Canal
*†Standard Pulley Co., 1734 Powers
*Steigert, Leopold (Machinist), cor. Elder & Logan
*Steptoe, Jno. Shaper Co. (Shaping Machines, etc.), 2951 Colerain av
*†Stewart Iron Works Co. (See Covington, Ky.)
*Straub Machinery Co. (Flour Mill Mach'y, etc.), 1956 W 6th
*Streit, A. Machine Co. (Automobile Engines), Marquis av. & Comfort
*Stuebing Automatic Machine Co., 23 Gano
*†Superior Tool & Supply Co. (Mixers, etc.), 500 E. Front
*Swing Electric Co. (Electric Motors), 327 E 6th
*†Tatum, Saml. C. Co. (Grey Iron Castings, Copying Presses, Binders & Printing Machinery), Colerain av & Monmouth
*Towsley, Jno. T. Mfg. Co. (Woodworking Machy, etc.), Evans N of Gest
*†Triumph Electric Co. (Ice Machines, Dynamo & Motors, etc.), 610 Baymiller
*Triumph Mfg. Co. (Bakers' & Butchers' Machy.), Spring Grove av & Sassafras
*Tucker Machine Co. (A. P. Tucker, Prop.), (Tool Grinders, etc.), 224 E 9th
*†Union Iron Works Co. (Builders' Iron Work, etc.), 3331 Colerain av
†United Foundry Co., Stark & Dunlap
†United States Aluminum Castings Co. (Roller Brakes, etc.), 1623 Blue Rock
*United States Electric Tool Co. (Electric Portable Hand Drills & Grinders), 1938 W 8th
*U. S. Laundry Machinery & Supply Co. Laundry Machinery, 408 E 2d
*†Van, Jno. Range Co. (Stoves, Ranges, etc.), 5th & Broadway
*Vandewalle, Chas., & Co., Mt. Echo, nr. 6th
*†§Vanduzen, E. W. Co. (Pumps, Bell Fdrs., Gongs & Brass Castings.), 428 E 2d
§Varwig Mfg. Co. (Brass Fdrs.), 120 Opera Place
*Verdin, Kappes & Verdin (Special Machinery, etc.), 62 Central av
*Victor Safe & Lock Co. (Safes, Bank Vaults, etc.), 820 E 8th
*Von Wyck Machine & Tool Co. (Machine Tools, Engine Lathes, etc.), Elmore & C. H. & D. R. R.
†Vulcan Foundry Co. (Iron Fdrs. & Machine Tool Castings, etc.), 3300 Western av
*Ward, Wm. E. & Co. (Bldrs.' Iron Work), 1847 Central av
*WARNER ELEVATOR MFG. CO. (Electric & Hydraulic Elevators), Spring Grove av & Alfred. (See adv. index, end of book)
*Watkins Motor Co. (Gas & Gasoline Engines, Laundry Machinery, etc.), 6th & Baymiller
*†Weir Frog Co. (Frogs, Switches, Crossings, etc.), Beach & Highland av, Norwood
*Western Automatic Machine Co. (Slot Machines), 29 E. 3rd
*Wilberding & Brandewiede, 216 E. Court
*†Willard Machine & Tool Co. (Presses, Tools, Dies, Machinery, etc.)
*§Williams, D. T. Valve Co. (Valves, Steam Traps, Steam Separators, etc.), 410 E 8th
*Wolf Electrical Promoting Co. (Cloth Cutting Machinery), 810 Main
*Wolff Machinery Co., 424 Reading rd
*†World Mfg. Co. (Stoves, Novelties, etc.), 316 Elm
Zering, H. Mfg. Co. (Trucks, Cars, Carts, Scales, etc.), 220 Charles

CIRCLEVILLE—*†Haswell Steel Range & Furnace Co. (Stoves, Ranges, etc.)
*†Lupton, W. S.
*Lutz, J. H. (Light & Specialty Machy., etc.)

CLEVELAND—*§Acme Brass Works (Plumbers' Brass Goods), 2662 E 76th
†Acme Foundry Co. (Fine Light & Medium Grey Iron Castings)
*Acme Machinery Co. (Bolt, Nut & Rivet Machy.), 4533 St. Clair av., N. E.
§Adams-Bagnall Electric Co. (Arc Lamps, etc.), Stanton & C & P R E
*Adjustable Collet Co., 211 High av, S E
*§Aetna Brass Mfg. Co., 4800 Hamilton av
*Allen, J. A., Machine Co. (Tapping Machines, etc.), 1577 Columbus rd, N W
§Allyne Brass Fdry. Co. (Aluminum, Brass & Bronze Castings), 2043 E. 61st pl, S. E.
*American Ball Bearing Co. (Ball Bearings, etc.), Edgewater Park at L. S. & M. S. Ry.
*§American Brass Mfg. Co. (Brass Finishers, etc.), 715 Woodland av
*†American Fork & Hoe Co. (Forks, Hoes, etc.), American Trust bldg
*American Machine & Mfg. Co. (Cranes, Power Hammers, etc.)
*American Railway Signal Co. (Railway Signals & Switches, etc.), Lakeside av. & 45th
†American Range & Foundry Co. (Stoves, Ranges, Castings, etc.)
*†§American Shipbuilding Co. (Ships, Engines, etc.), 2017 Superior av
*†American Steel & Wire Co. of New Jersey. (See Chicago)
*†American Stove Co. (Steel Ranges & Gas, Gasoline & Oil Stoves), Perkins av & C. & P. R. R.). (See St. Louis, Mo.)
*Anderson, V. D., Co. (Cylinder Dryers, etc.)
†Atlantic Foundry Co. (Iron Fdrs., etc.), 7105 Morgan, S E
*ATLAS CAR & MFG. CO., THE (Industrial Cars, Axles, etc.), 1289 Marquette rd, N E. (See adv. index, end of book)
*§Atlas Brass Mfg. Co. (Plumbers' Specialties), 328 Lakeside av., N. W.
*Automatic Stamping Machine Co. (Machinists), 216 High av, S E
*Bardons & Oliver (Machine Tools, Turret Machines, etc.), 1133 W. 9th
*BARTLETT, C. O. & SNOW CO. (Cement, Oat Meal & Paint Machy., etc.) French st. (See adv. index, end of book)
*Bellinger, James G. (Special Machinery, etc.), 1519 E. 82nd, N. E.
†Bennett Furnace Co. (Furnaces, etc.), 5801 Euclid av., Cleveland, O.
*Benson, Arza M. Co. (Barrel & Stave Machinery), 6303 Central av, S E
*§Bishop & Babcock Co. (Brass Fdrs., Pumps, Air Compressors, Faucets & Brass Goods, etc.), 1303 E. 49th, N. E.
*Bomgardner Mfg. Co. (Lowering Devices), 11810 Detroit av
*†§Born Steel Range Co. (Steel Ranges & Cooking Apparatus), 1984 W 25th, N W
*†Bowler Foundry Co. (Iron Fdrs), 1688 Columbus rd, N W
*†Brightman Furnace Co. (Iron Fdrs.), 2570 B'way
*Brightman Machine Co. (Machinists, etc.), 7122 Quincy, S E
†Brooks, T. H. & Co. (Iron Fdrs. & Bldrs.' Iron Works), 3104 Lakeside av
*§Brookside Brass Foundry & Mfg. Co. (Brass Fdrs. & Finishers), 2315 Selzer

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§Bronson-Walton Co. (Hardware Specialties Coffee Mills, etc.), 119 Shore Dr
•†**BROWN HOISTING MACHINERY** Co. (Coal & Ore Handling Machinery, etc.), St. Clair, N E (See adv. index, end of book)
•†Browning Engineering Co. (Cranes, etc.)
•†§Bruce-Macbeth Engine Co. (Engines, Machinery, Iron, Brass & Steel Castings, etc.)
§Buckeye Brass Foundry Co. (Brass Fdrs. & Finishers), 1807 Columbus rd
•Bultman, F. H. & Co. (Gear Cutting Machines, etc.), 2108 Superior
•Burke Machinery Co. (Machine Tools), Perkins & E. 35th, N. E.
•Burton & Johnson (Machinists), 2301 Center, N W
•§Central Brass Mfg. Co. (Brass Fdrs. & Finishers, Plumbing Goods), 6203 Cedar av, S E
•Champion Steel Range Co. (Steel Ranges, etc.), 4050 W. 25th
•Chandler & Price Co. (Printing Presses & Mach'y), 6000 Carnegie av, S E
•Chase Machine Co. (Engines, Towing Machines, etc.)
•§Chicago Pneumatic Tool Co. (Pneumatic Tools), 1241 E 49th, N E. (See Chicago, Ill.)
•Chisholm, Wm., & Sons (Coal & Ore Handling, etc.), 1588 E. 40th, S. E.
•†§**CHISHOLM & MOORE MFG. CO.** (Castings, Chain Hoists, etc.), Lake nr Kirtland. (See adv. index, end of book)
§City Brass Foundry Co. (Brass & Composition Castings), 5310 St. Clair av., N. E.
†City Foundry Co., 4629 Hamilton av
•City Machine Co. (Special Machy. & Macaroni Mach'y), 480 Prospect, N W
•Cleveland Armature Works (Dynamos & Motors, Armatures, etc.), 4732 St. Clair av., N. E.
•Cleveland Automatic Machine Co. (Machine Tools), 2289 Ashland rd., S. E.
•Cleveland Block Co. (Malleable Iron Tackle Blocks), 1173 W 11th, N W
•§Cleveland Brass Works, 2102 Abbey av, S. W.
•§Cleveland Bronze & Brass Works (Brass Fdrs. & Plumbers' Brass Goods), 4606 Hamilton av
•Cleveland City Forge & Iron Co., Lakeside av, opp E 45th, N E
†Cleveland Co-operative Stove Co. (Stoves) 2323 E. 67th
•Cleveland Die & Mfg. Co. (Dies, etc.), 1276 W 4th, N W
•§Cleveland Faucet Co. (Faucets, Air Compressors, Pumps, etc.), 708 Frankfort av., N. W.
•Cleveland Flue Cleaner Mfg. Co. (Boiler Flue Cleaners & Emery Wheel Dressers, etc.), 821 Frankfort av, N W
†Cleveland Foundry Co. (Oil & Gas Stoves, etc.), Platt & C. & P. R. R.
•Cleveland Frog & Crossing Co. (R. R. Frogs, etc.), 6917 Bessemer av., S. E.
•Cleveland Gas Meter Co. (Gas Meters, etc.) 2180 E. 65th, S. E.
•§Cleveland Gas & Electric Fixture Co., 940 Prospect av
•†Cleveland Hardware Co. (Founders & Hardware), 1241 E. 45th, N. E.
•Cleveland Ice Machine Co., 1615 Merwin, N. W.
•Cleveland Iron Works Co. (Clam Shell Buckets & Archl. & Ornam. Iron Work)
•Cleveland Lock Co. (Locks, Hdwe. Specialties, etc.), 1297 E. 38th, N. E.
•Cleveland Machine Knife Co. (Machine Knives, etc.), 946 West, N. W.
•Cleveland Machine & Mfg. Co. (Rolling Mill Work & Forgings), 4944 Hamilton av
•Cleveland Meat Chopper Co., 1232 E. 3rd, N. E.
•†Cleveland Planer Works (Machine Tools, etc.), 3148 Superior av
•Cleveland Pneumatic Tool Co. (Pneumatic Tools)
•**CLEVELAND PUNCH & SHEAR** Works Co. (Punching & Shearing Machy., Grey Iron Castings, etc.). (See adv. index, end of book)
•†Cleveland Steel Casting Co., E 69th & Hubbard av, S E
•Cleveland Steel Range Co. (Steel Ranges, etc.), Detroit & State
•Cleveland Tumbling Barrel & Mfg. Co., 65th & Erie R. R.
•**CLEVELAND TWIST DRILL CO.** (Twist Drills, etc.), Lakeside av & 49th. (See adv. index, end of book)
•Clough & Witt Machine Co., 1740 Columbus rd., N. W.
•§Cochrane, John A., 1403 E 40th, N E
•†Columbian Hardware Co. (Hdwe. & Specialties), 1296 E 53d
•Cooper, Geo., & Co. (Carriage Springs, etc.), Western Reserve bldg
•Cummer, F. D. & Son Co. (Asphalt, Brick Machinery, etc.), The Arcade
•Damascus Brake Beam Co. (Brake Beams, etc.)
•§Daykin Bros. (Pumps), 1606 W. 25th, N. W.
•De Mooy Bros. (Gas Engines, etc.), 1831 E. 55th, N. E.
•Duplex Hanger Co. (Joist & Wall Hangers), 1247 Marquette N E
•†Duplex Mfg. & Foundry Co. (Catch Basins & Sewer Castings)
•Dyer Co. (Sugar Mach'y), New England bldg
•†Eberhard Mfg. Co. (Saddlery Hdw. & Specialties), Tennyson & C & P R R
†Economy Stove Co. (Gas Ranges, etc.), 2146 Scranton rd
•Edmonds Elevator Co. (Elevators), 519 Champlain
•Electric Controller & Mfg. Co. (Magnetic Clutch Driver), 2698 E. 79th, S. E.
•Elliott Bros. Electric Co. (Dynamos, etc.), 3864 Hamilton av., N. E.
•Elliott, S. K., Electric Co. (Electrical Machinery), 322 Champlain
•Elwell-Parker Electric Co. of America (Generators & Motors, etc.), 4222 St. Clair av, N E
§Empire Brass Mfg. Co. (Brass Fdrs. & Fnshrs., Plumbers' Goods), 8410 Lake av
•†Empire Plow Co. (Plows), 3164 E 65th
•Eureka Machine Co. (Brewers' & Maltsters' Machinery), 2610 Vega av
•Evers Iron Works (Special Mach'y), 1630 Columbus rd., N. W.
•†Fanner Mfg. Co. (Chaplets, Novelties, Brass Beds, etc.), 25th & Bkln. Br., S. W.
§Farnan Brass Works (Brass Fdrs. & Finishers, Steam & Plumbing Goods), 1104 Center, N. W.
•†§Ferro Machine & Foundry Co., Wade bldg
•†Ferrosteel Co. (Hot Air Registers, etc.), 425 Prospect av, N W
•Fitzsimons & Co. (Polished Steel Shafting, etc.), 2496 B'way, S E
•Fix's Sons (Steam Flue Welding, etc.), Leonard & Winter
•Foote, Burt & Co. (Machine Tools), 4101 St Clair
§Forest City Electric Co. (Electric Specialties), 5003 Windsor av, N E
†Forest City Fdy. & Mfg. Co. (Hot Air Furnaces, Grey Iron Castings, etc.)
•Franke, H. Steel Range Co. (Steel Ranges, etc.), 1911 Harvard
§Gas Fixture & Brass Co., 318 High av
•Gas Machinery Co., Citizens' bldg. Works, Collinwood, O.
•Geier, P. A., Co. (Machinery, etc.), 5112 St. Clair av., N. E.
•Gerlach, Peter Co. (Pail, Keg, Barrel & Shingle Mill Machinery, etc.), Columbus rd & Winter
•§Glauber Brass Mfg. Co. (Brass Fdrs. & Finishers, Plumbing Goods), 4917 Superior
•Globe Machine & Stamping Co. (Special Machinery & Parts)
•†Grabler Mfg. Co. (Grey & Malleable Iron Castings, Plumbers' Specialties, etc.)
•Grant Automatic Machine Co., 1271 Marquette rd
•Grant-Lees Machine Co. (Gear Cutting Machy., etc.), 6901 Quincy av., S. E.
•Gregg Mfg. Co. (Foundry Machinery, etc.), 1318 W 4th
•Hart Mfg. Co. (Pipe Cutting & Threading Machines), E. 3rd & St. Clair
•Hartz, Henry V. & Co. (Special Mach'y, etc.), 2225 Ashland rd, S E
•Hewitt, E. A. & Co. (Machinists), 1232 E 3d
•†Hill Clutch Co. (Clutches & Power Transmitting), 1186 W. 58th
•†Hohlfelder, F., Co. (Hdwe. Specialties, Metal Beds, etc.), Chamber of Commerce bldg
•Homer Commutator Co. (Commutators & Machinists), 4748 Hough av
•Horsburgh & Scott Co. (Gears & Pinions, etc.), 5114 Hamilton
§Hunger & Scheidegger (Brass Fdrs.), 928 Champlain
•Hunt & Dorman Mfg. Co. (Tin, Sheet Iron, Brass & Copper Work, etc.), 2100 Superior av, N E
§Ideal Bronze Co. (Brass & Comp. Castings, etc.), 1263 E 55th
•†Imperial Steel Range Co. (Steel Ranges, etc.), 2900 Detroit av
•Independent Register & Mfg. Co. (Registers, Gas Heaters & Specialties), 1415 W. 9th, N. W.
•Industrial Machine Co., 113 St. Clair av, N E
•§Industrial Pattern & Bronze Co. (Brass & Bronze Castings, Patterns, etc.), 988 E 67th, N E
†Interstate Foundry Co. (Light & Heavy Castings), 3163 E. 61st, S. E.
•Jackson, C. E. & Co. (Machinists), 2096 W 24
•†Johnston & Jennings Co. (Castings, Power Hammers & Rolling Mill Machinery)
•†§Kilby Mfg. Co. (Nail, Wire, Rolling Mill & Sugar Machinery, Heavy Castings, etc.)
•King Bridge Co. (Coal & Ore Handling Mach'y), Head of E 69th
•Kirk, Latty Mfg. Co. (Bolts, Screws & Children's Steel Express Wagons & Velocipedes, etc.), Madison av, nr W 85th
•Knight, J. O. & Son, 2192 E 65th
•Konigslow, E., Stamping & Tool Works (Dies, etc.), 325 Champlain av., N. W.
•Laganke, Robt. F. (Machinist), 600 Huron rd, S E
§Lake Erie Smelting & Refining Co.
•Lamson & Sessions Co. (Bolts, Rivets, Wrenches, etc.), 2188 Scranton rd., S. W.
Langenau Mfg. Co. (Brass & Iron Hdw. Specialties), Franklin, opp. W 84th
•Lincoln Electric Co. (Dynamos & Motors), E 38th & Kelly av
•†§Loew Mfg. Co. (Brewers' & Bottlers' Machinery & Specialties), Madison c 90th st, N W
•Long-Arm System Co. (Ship Fittings, etc.) 1233 E. 38th, N. E.
•Lord, Bowler & Co. (Stone Working & Wood Extract Mach'y, etc.), 1004 Centre, N W
•Lucas Machine Tool Co. (Machine Tools, etc.), Robison av at L. S. & M. S. Ry.
•M. & G. Machine Co. (Special Machy., etc.), 3918 Superior av., N. E.
•†McMyler Mfg. Co. (Quarry & Contractors' Machinery), 1799 Columbus rd., N. W. Works, Warren, O.
†Madison Foundry Co. (Light & Heavy Machinery Castings, Grate Bars, Columns, Sewer Castings, etc.)
•Mather & Waechter (Machinists), 224 High av
•Miller Chemical Engine Co., 1516 Columbus rd
•§Monarch Brass Co. Plumbers' Brass Goods), 4697 Payne av
§Morreau Gas Fixture Mfg. Co. (Gas & Elec. Fixtures, 1303 Oregon av., N. E.
•Murphy & Donnelly Boiler Co., 2511 Elm, N. W.
•National Acme Mfg. Co. (Screw Machines, etc.)
•National Adding Machine Co. (Adding Machines), 1366 W 70th, N W
†National Car Wheel Co. (See Pittsburg, Pa.)
†National Malleable Castings Co. (Malleable Iron Castings for R. R., etc.)
•National Mfg. Co. (Hdwe. Specialties), The Arcade
•National Safe & Lock Co., 2341 E 69th
•North Electric Co. (Switch Boards & Telephone Supplies), 408 St. Clair
•Ohio Blower Co. (Blowers, Steam Separators, etc.), 326 Prospect av, N W
§Ohio Brass & Iron Mfg. Co. (Plumbers' Brass Goods, etc.), 8200 Franklin av
•Ohio Ceramic Engineering Co. (Brick & Clay Machinery), Berea rd
•Ohio Electric Works (Dynamos, etc.), 6304 Ellen
†Ohio Foundry Co. (Iron Fdrs.), E. 71st & C. & P. R. R., S. E.
•Oram, Jno. S. (Barrel, Stave & Heading Machinery), 1324 E 53d
•Oster Mfg. Co. (Pipe Cutting & Threading Machines), 2057 E 61st Pl
•**OTIS ELEVATOR CO., 629 Johnson** av, N W. (See New York City) (See adv. index, end of book)
•†Otis Steel Co. (Steel Castings, etc.), 3181 Lakeside av

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*†Palmers & De Mooy Foundry Co. (Grey Iron Castings & Machine & Brass Pattern Shop), Leonard & Winter
*†Peck, Stow & Wilcox Co., W 3d c Cuyahoga av, S W. (See Southington, Conn.)
*§Peerless Motor Car Co., E 93d & Quincy av, S E
*Plotz, Wm. (Tools, etc.), 401 Champlain av., N. W.
*§Regar Co. (Plumbers' Brass Goods, etc.), 919 West, N. W.
*Reliance Electric & Engineering Co. (Electric Motors, etc.), Cleveland, O.
*Reliance Gauge Column Co. (Steam Specialties, etc.), 5902 Carnegie av., S. E.
*†Republic Stove & Mfg. Co. (Gas Stoves, etc.), 1802 E. 40th, N. E.
§Rickersberg Brass Co. (Plumbers' Brass Goods)
†Riverside Foundry Co. (Chilled & Grey Iron Castings for Rolling, Chemical & Rubber Works, etc.), 2021 Carter rd., N. W.
*Round, David & Son (Hoisting Machinery), 7625 Broadway, S E
*§Royal Brass Mfg. Co., 3920 Superior
*§Russ, A. E. Mfg. Co. (Anvils, Vises, Drills), 6813 Wade Park av
*Sabin Machine Co. (Special Machy., etc.), 5714 Euclid av
§Sanitary Co. (Brass Fdrs. & Finishers, Plumbing Goods), 1120 Prospect av, S E
*Sawyer Gear Works, 5122 St. Clair av., N. E.
§Schneider & Trenkamp Co. (Div. American Stove Co.) (Gas Heaters, Ranges, etc.), 1787 E 40th
†Semi-Steel Co. (Brick Machy., etc.), New England Bldg
*†Sly, W. W. Mfg. Co. (Foundry Supplies, etc.), Train av, cor. Junction
*Smith, W. A. & Co. (Hot Air Furnaces), 625 Champlain av, N Y
*Spotless Steam Sponger Co. (Sponging Machines), 2124 E 2d
*§Standard Brass Foundry Co. (Brass Fdrs.), 6532 Central av, S E
†Standard Car Wheel Co. (Car Wheels), Bessemer av nr Tod
*†Standard Foundry & Mfg. Co. (Light Grey Iron Castings, etc.)
*†Standard Lighting Co. (Div. American Stove Co), Gas Ranges, etc.)
*Standard Machine Co., 1730 Columbus rd., N. W.
*Standard Pump & Engine Co. (Gas & Gasoline Pumping Engines), 522 Prospect av., N. W.
*Standard Sand & Machine Co. (Sanding Machines, etc.), 5151 St. Clair av., N.E.
*†Standard Sewing Machine Co. (Sewing Machines), 6402 Cedar av., S. E.
*†Standard Steel Range & Mfg. Co., 2717 E. 75th
*Standard Tool Co. (Twist Drills, etc.), Central av & P Ry
†Superior Foundry Co. (Iron Fdrs.), 3542 E 71st
*†Taylor & Boggis Foundry Co. (Iron (Stoves, Ranges, etc.)., 1913 W. 3d
*†Tinnerman Steel Range Co. (Steel Ranges, etc.), 3522 Vinton av., S. W.
†Tyler, W. S., Co. (Foundry & Iron & Brass & Wire Work), 3618 St. Clair
*Union Engineering Co., 1616 Columbus rd., N. W.
§United Brass Mfg. Co., 3844 Hamilton
§United State Bronze Co., 1831 Columbus rd
*†United States Cast Iron Pipe & Foundry Co., ft E 26th. (See New York City)
*†VAN DORN IRON WORKS CO. (Structural & Cast Iron Work), 2685 E 79th. (See adv. index, end of book)
*VAN DORN & DUTTON CO. (Cut Gears, Pinions, Racks, etc.), 2714 E 79th, S E. (See adv. index, end of book)
*†Variety Iron & Steel Works Co. (Rolling Mill Machinery, Castings, etc.)
*Waldeck, Anthony (Wire Dies, etc.), 7607 B'way
*†Walworth Run Foundry Co. (Warm Air Registers, Hdw. Specialties & Grey Iron Castings), 2488 W 27th, N W
*Ward Machine Co. (Marine Work a Specialty), 518 Prospect av, N W
*Warner & Swasey Co. (Machine Tools, etc.)
*§Weber, L. A., Co. (Brass Goods, etc.), 517 Huron rd
*†Wellman-Seaver-Morgan Co. (Cranes, Rolling Mill & Coal Handling Machy.)
*Werner, Emil (Machinist, Molds, Dies & Tools), 1232 E 3d
†West Steel & Iron Casting Co. (Steel Castings), 805 E 70th
*†§Westinghouse Electric & Mfg. Co. (See Pittsburg, Pa.)
*†White Co. (Sewing Machines, Automobiles, etc.)
§Winton Motor Carriage Co. (Automobile Builders), Berea rd. & Madison av
*†Woodworth-Engert Co. (Car Wheels, etc.), 4926 Hamilton av
*Worden Tool Co. (Machine Knives), 1854 Scranton rd., N. W.
COLLINWOOD—*Gas Machinery Co. (See Cleveland, O.)
*Kuhlman, G. C. Car Co. (Electric Car
*§L. S. & M. S. R. R. Shops Bldrs.)
COLUMBIANA — *†§Columbiana Pump Co. (Steam Pumps, etc.)
*†Enterprise Mfg. Co. (Steam Engines & Saw Mill Machinery, etc.)
*Grove & Detwiler (Gas Engines)
COLUMBUS—*§American Cash Register Co. (Cash Registers)
*American Mfg. Co. (Mower Attachments, etc.)
*†American Skein & Foundry Co. (See Racine, Wis.
*American Water Motor Co. (Water Motors)
§Atlas Brass Foundry
*Baldwin Forging & Tool Co. (Post Hole Diggers, Wrenches, etc.)
*Berry Bros. (Bolt Nuts, etc.)
*Blakeslee Concrete Block & Machine Co. (Concrete Block Machines)
†Bonney-Floyd Co. (Steel Castings)
*§Brown, Jno. W. Mfg. Co. (Lamps & Brass Fdrs.)
*Bryant Steel Wheel & Rim Co. (Steel), Wheels & Rims, etc., Automobile)
*§Buckeye Pump & Mfg. Co. (Pumps, etc.)
*Buckeye Saw Mfg. Co. (Saws, etc.)
*†Buckeye Steel Castings Co. (Steel Castings, Car Couplers, etc.)
*Budd & Ranney Mfg. Co.
†Carlisle & Shilling Bros.
*†Case Crane Co. (Cranes, etc.)
*†Chase Foundry & Mfg. Co. (Industrial Cars, Trucks, etc.)
*§Columbus Brass Co. (Brass Fdrs. & Finishers, Plumbing Goods)
§Columbus Carriage Hardware Co. (Carriage Hdwe., etc.)
*Columbus Die, Tool & Machine Co. (Dies, Tools, etc.)
*Columbus Heating & Ventilating Co. (Hot Air Furnaces, etc.)
†Columbus Hollow Ware Co.
†Columbus Iron Fittings Co.
*†Columbus Machine Co. (Gas & Gasoline Engines, etc.)
*†Columbus Malleable Castings Co. (Malleable Iron Fdrs., etc.)
*§Columbus Pneumatic Tool Co. (Pneumatic Tools)
*Columbus Screw & Machine Co.
*†Columbus Steam Boiler & Heater Co. (Boilers, Heaters, etc.)
*Columbus Steam Pump Works (Steam Pumps), 85 W Broad
*Columbus Structural Steel Co. (Steel Structures, etc.)
†Columbus Wire & Iron Works
*Eaton Machine Works (Repair Work of all Kinds), 98 W Broad
†Emrich, C. (Stoves, etc.)
*†Federal Mfg. Co. (Gas Fixtures, etc.)
*Francisco Adjustable Concrete Block Ma-
*Hamilton, Geo. W. chine Co.
*Hamilton Mfg. Co. (Coal Loaders, etc.)
*Hann Mfg. Co. (Lawn Mower Attachments)
*Hayden Automatic Block Machine Co.
*†Hayden, P. Saddlery Hardware Co. (Iron Fdrs., Saddlery Hardware & Castings,
*Hearn, J. C. etc.)
†Hertenstein, M., Co. (Stoves), 1409 S
*§Hocking Valley Ry. Shops High
*Hoover, J. B. (Machinists & Surgical Instruments)
*Jaeger Automatic Machine Co. (Concrete Mixers)
*†§JEFFREY MFG. CO. (Elevating & Conveying, Grain Elevator Appliances, Mining, Phosphate Mill, Power Transmission, etc.), E 1st av & Big Four R. R. (See adv. index, end of book)
*†Kilbourne & Jacobs Mfg. Co. (Plows, Trucks, Cart & Road Scrapers, etc.)
*†Kinnear Mfg. Co. (Rolling Steel Shutters, etc.)
*Krumm, Martin (Iron Railings, etc.)
†Lattimer Stove Co. (Stoves, etc.)
*Leukart, Jacob
*§Lilley, M. C. & Co. (Regalia & Lodge Supplies)
*Lowe Bros. (Gasoline Engines, etc.)
†McDonald Bros. (Small Grey Iron Cast-
Miller Machine & Mold Works ings)
*Moeller, Henry
*Morris, C. E. Co. (Elevators & Bldrs. Iron Work, etc.)
†O'Brien Bros., 276 W Main
*†§Ohio Brass & Iron Mfg. Co. (Meter
*Ohio Elevator & Machine Co. Locks)
*†§Ohio Malleable Iron Co. (Malleable Castings)
*§Ohio Pump & Brass Co. (Air Pumps, Brass, Bronze & Aluminum Castings)
*Ohio Tool Co. (Tools, Planes, etc.), 63 N Scioto
*Ohlen, Jas., & Sons Saw Mfg. Co. (Saws, etc.)
†Peerless Stove & Range Co. (Stoves & Ranges)
†Poulton, Edwin (Grey Iron Castings)
*†RALSTON STEEL CAR CO. (Steel Cars of All Kinds). (See adv. index & branch offices, end of book)
†Quad Stove Mfg. Co. (Stoves, etc.)
*Roberts, O. G. & Co., 152 N 9th
*Robinson-Tilton Machinery Co.
*Rockey, D. R. & Son (Pumps)
†Schreyer, G. (Furnace Mfrs.)
*Seagrave Co. (Fire Dept. Apparatus), High, nr H V R R
*Smith & Williams (Machinists), 149 W State
*Standard Candy Machine Co. (Confectioners' Machinery)
*Standish Machine & Supply Co. (Foot & Power Hammers)
*Sun Mfg. Co. (Cash Registers & Coffee Mills, etc.)
*Union Fork & Hoe Co. (Forks, Hoes, Rakes, etc.)
*†United States Cast Iron Pipe & Foundry Co. (Cast Iron Pipe), ft of W Goodale. (See New York)
*Wells, J. D.
*Weinman Machine Works (Pumps & Air Compressors)
COLUMBUS GROVE—*Benroth Bros.
CONNEAUT—*§Conneaut Co. (Gas & Electric Fixtures)
*Webb, W. H., & Son (Machinist)
CORNING—†Richardson, Jno. (Iron Fdry., etc.)
COSHOCTON—*Automatic Polishing Machine Co.
*†Hay, Houston Axle Co. (Carriage Axles, etc.)
*†Keagy & Lear Machine Co. (Carriage Axles & Special Machinery)
†King, W. H.
CRESTLINE—†Burch Plow Works Co. (Plows, etc.)
*†Crestline Mfg. Co. (Seamless Brass Pump Cylinders, etc.)
*†Schill Bros. Co. (Steel Ranges, Furnaces, Castings, etc.)
CUYAHOGA FALLS—*Falls Hollow Staybolt Co. (Staybolts, etc.)
*†§Falls Rivet & Machine Co. (Power Transmitting Machinery, etc.)
†Nute Foundry Co.
*†Turner, Vaughn & Taylor Co. (Chain, Rubber, Wire Machinery, etc.)
DAYTON—†Advance Foundry Co.
*Amer. Fred C. (Machinist)
*American Bolt & Screw Case Co.
*†American Fence & Forge Co. (Bldrs. Iron Work, etc.)
†American Foundry & Casting Co.
†Barney & Smith Car Co. (Cars & Car Wheels, etc.)
*Bates, D. L. & Bro. Co. (Electric Fans & Motors, etc.)
*†Brownell Co. (Steam Engines, etc.)
*†§Buckeye Iron & Brass Works (Brass & Iron Fdrs. & Oil Mill Mach'y)
*†Callahan, W. P. & Co. (Iron Fdrs. & Engines, Ice Machines & Oil Mill Mach'y, etc.)
*Computing Scale Co. (Computing Scales)
*Cunningham, Jno. (Elevators, etc.)
*†§Davis Sewing Machine Co. (Sewing Machines & Bicycles)
*Dayton Electrical Mfg. Co. (Dynamos, etc.)
*Dayton Fan & Motor Co. (Fans, Water Motors, etc.)
*†Dayton Globe Iron Works Co. (Turbine Water Wheels & Paper & Pulp Mill Machy., Power Transmitting Machy., etc.)
*†Dayton Hydraulic Machinery Co. (Pump Mfrs.)
*Dayton Machine & Tool Works (Machine Tools)
*Dayton Machine Works (Labeling Machines, etc.)
*†Dayton Malleable Iron Co.

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§Dayton Mfg. Co. (Brass Fdrs., Railroad Supplies, etc.)
*Dayton Pattern Works (Models, etc.)
*Dayton Pipe Coupling Co. (Pipe Couplings, Saddles, Sleeves, etc.)
*Dayton Pitless Scale Co. (Scales)
*Dayton Pneumatic Tool Co. (Pneumatic Tools)
*Dayton Specialty Machine Co. (Machinists)
†Dayton Steel Foundry Co.
*Dayton Supply Co. (Spraying Pumps, Hose Nozzles, etc.)
§Dennick, Wm. & Co. (Brass Fdrs.)
*Edgemont Machine Co. (Friction Clutches,
*Egry Register Co. etc.)
*Euchenhofer, E. E. (Machinist)
*†Eureka Casting & Machine Co. (Iron Fdrs., Tob. Planters, Fence Ratchets, etc.)
*†Fletcher Mfg. Co. (Electrical Supplies)
*Fogiesong Machine Co. (Horsecollar Ma-
*Garrison Machine Works chinery)
*†Gem City Stove Co. (Stoves, etc.)
*Grimes, Chas. D. Machine Works, (Special Machinery)
*Hawker, W. S., Mfg. Co. (Special Machinery, etc.)
§Hoban Brass Foundry Co.
*†Joyce-Cridland Co. (Hydraulic Lever & Screw Jacks, etc.)
*†Kinsey Mfg. Co. (Stoves & Automobile Fittings)
†Kramer Bros.' Foundry Co. (Iron Fdrs., Labelling Machines, etc.)
*†Kuhns Bros. (Cast Iron Fittings, etc.)
*Larkin Mfg. Co. (Fire Dept. Equipments)
*Legler-Ellerman Co. (Machine Parts, Finished & White Metal Castings)
*Light, George (Tap Machines, etc.)
*Meeker Mfg. Co. (Ball Bearing Axles)
§Miami Brass Foundry (Brass Fdrs.)
*Miami Valley Machine Tool Co. (Engine Lathes, etc.)
*§National Cash Register Co. (Cash Registers, etc.)
*National Hot Air Furnace Co. (Machinists, Furnaces, etc.)
*†§New Era Gas Engine Co.
*†Ohio Foundry Co. (Natural Gas Appliances & Grey Iron Castings)
*†§Ohio Rake Co. (Agl. Impits., Sulky
*Ohmer Fare Register Co. Rakes, etc.)
*Parrott Mfg. Co. (Plows, etc.)
*Pasteur-Chamberland Filter Co. (Filters,
*†§Platt Iron Works Co. (Turbines & Machinery, etc.)
*Plocher, Andrew (Forgings, etc.)
*Recording & Computing Machine Co. (See Cincinnati, O.)
*†Raymond, C. W. Co. (Clay Working Mach'y)
*Roberts, Geo. J. Co. (Steam Pumps, etc.)
*†Seybold Foundry Co.
*†Seybold Machine Co. (Bookbinding Machinery)
*Simonds, A. A. & Son Co. (Planing
†§Standard Foundry Co. Knives, etc.)
*Steiner, M. & Co.
*Sterling Elec. Motor Co. (Dynamos & Motor Mfrs.)
*Trimbach, Geo. (Tools, etc.)
*Tschudi & McBarron Machine Co. (Bench Drills, etc.)
*Valle & Kimes (Water Motors)
*Volta & Muhlenberg (Special Machinery)
*Weiman, C. J. & Co. (Machinists)
*Wiedeke, Gustav & Co. (Boilermakers'
*Wilson, David Tools, etc.)

DEFIANCE—*American Steel Package Co. Steel Specialties, etc.)
*†Defiance Machine Works (Wood Working Machinery, etc.)

DELAWARE—*Cook Motor Co. (Motors, etc.)

DELPHOS—*Almy, Geo. F. (Bending Ma-
*†§Delphos Foundry & Mfg. Co. chines)

DELTA—*Buckeye Gas Engine Co. (Gas En-
*Cottingham, Louis gines, etc.)

DENNISON—†Dennison Foundry & Engineer-

DESHLER—*†§Suber, A. A. ing Co.

DOYLESTOWN—*§Buckeye Aluminum Co.
*†Sieberling & Miller Co. (Mowers, Reapers, etc.)

DRESDEN—*Dresden Machine Co.

EAST LIVERPOOL—*Cain Bros. Foundry & Machine Co. (Machinists)
*Dean, E. G. (Machinist)
*†East Liverpool Foundry, Machine & Supply Co.
*†Patterson Fdy. & Machine Co. (Clay Working Machy., etc.)

EAST PALESTINE—*Roberts Machine Co.

EATON—*†Ohio Iron & Brass Bed Co.

ELYRIA—*Beal, Wm. L.
*Dean Electric Co. (Telephone & Electrical Supplies)
*†Duplex Mfg. & Foundry Co. (Catch Basins, etc.)
*§Elyria Machine Parts Co. (Automobile Parts & Brass Castings)
†§Elyria Foundry Co.
*Elyria Gas Engine Co. (Gas & Gasoline Engines, etc.)
†Fox Furnace Co. (Stoves, Furnaces, etc.)
§*Garford Co. (Inc.) (Automobile Parts, etc.)
*Shuart-Fuller Mfg. Co. (Wood Fibre Machinery)
*Toppliff & Ely Co. (Carriage Hdwe., etc.)
*†Weller Engineering Co.
*Western Automatic Machine Screw Co. (Tapping Machines, etc.)
*Worthington Co. (Tricycles, Golf Goods, etc.)

FINDLAY—*†Adams Bros. Co. (Machinery & Oil & Gas Well Supplies)
*Buckeye Traction Ditcher Co. (Traction
*†Findlay Axe & Tool Co. Ditchers)
*Hoppenburg, Gustav
*†Marvin, D. E.
*Went, C. H.

FOSTORIA—*†§Atlas Mfg. Co. (Safes,
*Copley Machine Co. Stoves, etc.)
*Western Railway Signal Co. (Railway Signals, etc.)

FREDERICKTOWN—*†Foote, J. B. Foundry Co. (Bells, Vises & Hardware Specialties)
*†§Zieg, F. B., Mfg. Co. (Road Graders, Hdwe. Specialties, etc.)

FREEPORT—*†National Light & Heating Co. (Stoves & Gas Generators)

FREMONT—*Christy Knife Co. (Knives, etc.)
*Clauss Shear Co. (Shears, etc.)
*Detroit Model Machine Co.
*Herbrand Co. (Carriage Hardware & Forgings, etc.)
*International Cutlery Co.
*Jackson Shear & Razor Co.
*§Lake Shore Elec. Ry. Shops
*†§Lehr Agricultural Co. (Cultivators, Harrows, etc.)
†Lincoln Stove & Range Co. (Stoves, Ranges, etc.)

GALENA—*Hughes & Smythe (Corn Planters, etc.)

GALION—*†Freese, E. M., & Co. (Brick & Drain Tile, Machinery, etc.)
†Galion Iron Works (Culvert Pipe, etc.)
†Homer, J. R. (Iron Fdry.)
*Prame Mfg. Co. (Agrl. Implements)
*Sponhader, H. C.

GALLIPOLIS—*†§Gallipolis Foundry & Machine Co
†Thompson & Francis Stove Co. (Stoves)
†Treasure Stove Co. (Stoves)

GENEVA—*Blanchard, A. L.
§*Champion Safety Lock Co. (Hardware Specialties, Brass & Comp. Castings)
*†Geneva Metal Wheel Co.
*Potter Mfg. Co. (Hdwe. Specialties)

GIBSONBURG—*Hughes, A. B. (Oil Well Tools, etc.)

GREENVILLE—*†Ross Supply Co. (Pumps, Windmills, Grey Iron Castings, etc.)
*Wogoman Mfg. Co. (Gas Engines)

HAMILTON—*†American Foundry & Machine Co
*American Frog & Switch Co. (Frogs, Switches, Switch Stands, Crossings, etc.)
*Bentel & Margedant Co. (Wood Working Machinery, etc.)
*†§Black-Clawson Co. (Paper & Pulp Mill, Special Machy., etc.)
†Butler Foundry Co.
*†Central Foundry Co. (Grey Iron Castings, etc.)
*†Deuscher, H. P. Co. (Agrl. Implts., etc.)
*Empire Machine Co. (Traction Engines)
*†§Estate Stove Co. (Stoves, Ranges, etc.)
*Hamilton Autographic Register Co. (Registers, etc.)
*§Hamilton Copper & Brass Works (Brewing & Distilling Apparatus, etc.)
†Hamilton Foundry & Machine Co.
*†Hamilton Machine Tool Co. (Machine Tools)
*†Herring-Hall-Marvin Safe Co. (Bank Vaults & Safes, etc.)
*†Hooven, Owens, Rentschler Co. (Steam Engines, Turbines, Grey Iron Castings, etc.)
*Krauth & Benninghofen (Machinists)
*†Long & Allstatter Co. (Agrl. Implts. & Power Punching & Shearing Machy.)
†Miami Foundry Co. (Grey Iron Castings)
*Moeler Safe Co. (Bank Vaults & Safes,
§National Castor Co. etc.)
*†§Niles-Bement-Pond Co. (Machine Tools, etc.) (See New York City)
†Peerless Foundry Co
†Phoenix Caster Co. (Furniture Casters)
*§Sanitary Mfg. Co. (Plumbing Goods)
†Sohn & Rentschler (Iron Fdrs., etc.)
†Victor Foundry & Mfg. Co.
*West Side Motor Co. (Motors, etc.)

HARRISON—*†Campbell Corn Drill Co. (Agl. Implts., Corn Drills, etc.)

HILLSBORO—*†Bell, C. S. Co. (Cane & Feed Mills, Stoves, Farm Bells, etc.)
*†Gross Cooper Safe Co. (Safes, etc.)

IRONTON—*Belfont Iron Works Co. (Machine Shop for Use of the Company)
†Foster Stove Co. (Stoves)
*Glendenning, Barker & Thomas Co.
*†Ironton Engine Co. (Steam Engine,
*†§Ironton Malleable Co. etc.)
*†Olive Foundry & Machine Co.

JACKSON—*†Crown Pipe & Foundry Co. (Cast Iron Pipes, etc.)
*Jackson Mfg. Co. (Garden Plows, etc.)

JACKSON CENTER—*Anderson & Van Etton Machine Co. (Folding Machines)

JOHNSTOWN—*Russler, H. B. (Pumps)

KENT—§Miller, J. B., Keyless Lock Co. (Locks)
*†Peterson Mfg. Co. (Agrl. Implements)

KENTON—*†§CHAMPION IRON CO. (Builders' Iron Work & Castings) (See adv. index, end of book)
*Dow, Jas. M. (Machinist)
*Kenton Gas Engine Co. (Gas Engines, etc.)
*†§Kenton Hardware Mfg. Co. (Locks, Iron Toys, etc.)
*Ohio Machine Tool Co. (Machine Tools,
KILBOURNE—*Scott Bros. etc.)

KINSMAN—*†§Kiddle, Richard H.

LAKEWOOD—*Lakewood Wash Tray Co. (Plumbers' Specialties, etc.)

LANCASTER—*†§Alten's Fdy. & Machine Works
*†Eagle Machine Co. (Agl. Implts.)
*†Hocking Valley Mfg. Co. (Agl. Implts., etc.)

LEETONIA—*Buckeye Tool Co. (Mining Tools, etc.)
*†Crescent Machine Co. (Wood Working Mach'y)
†Leetonia Boiler Co. (Blast Furnace Work, etc.)

LEIPSIC—*†American Fdry. Co. (Gas & Oil Engines & Grey Iron Castings)

LEXINGTON—*Smith Gas Power Co (Suction Gas Producers)

LIMA—*Angell, C. W. (Electrical Machy)
*†East Iron & Machine Co. (Asphalt Plants, Steel Construction & Iron Castings)
*Golley & Finley Iron Works (Engines, etc.)
†Independence Iron Works Co.
*†Lima Engine & Mfg. Co. (Gas Engines, etc.)
*†§Lima Locomotive & Machine Co. (Locomotives, etc.)
*†Ohio Steel Foundry Co.
*Pennell Bros. & Burden Co. (Oil Well Jacks, etc.)
*Rhoda Bros. (Wagon & Carriage Hdw.)
*Sinclair & Morrison Co. (Drilling Tools,
*Vicary, Geo. S. (Machinist) etc.)

LISBON—*Wright Mfg. Co. (Machy., etc.)

LOGAN—*†§Logan Foundry & Machine Works (Plows, etc.)

LORAIN—*†American Shipbuilding Co. (See Cleveland, O.)
*Brown-Cochran Co. (Gas & Gasoline Engines & Ice Machines)
*Brunk Machine & Forging Co.
†Dunstan Mfg. Co.
*Hoffman Heater Co. (Heaters, etc.)
†§Lorain Casting Co. (Iron & Brass Casting, etc.)
*Lorain Machine & Forge Co.
§National Stove Co. (Am. Stove Co.), (Oil Stoves & Heaters)
*†§National Tube Co. of Ohio (Grey Iron & Brass Castings)
*Thew Automatic Shovel Co. (Steam Shovels, etc.)
*§Union Brass & Iron Works (Iron & Brass Castings)

LOUDONVILLE—*Sprang, Wm.

LOUISVILLE—*Buckeye Jack Mfg. Co. Hoisting Jacks)
*Louisville Machine Works

McCLURE—*Adams, S. S. (Machinist)

MADISON—*†Genung, C. W. (Agrl. Implts.)

MALTA—*†Brown-Manly Plow Co. (Agrl. Implements, etc.)

MALVERN—*†Stoltz & Schrieber (Iron Fdrs & Machinists)

MANSFIELD—*†Aultman & Taylor Machinery Co. (Agrl. Implts., Traction Engines, etc.)
*†Babcock & Wilcox Co. (Water Tube Boilers & Castings) (See New York City)

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*Barnes Mfg. Co. (Pumps, etc.)
*Barr Cash & Package Carrier Co. (Cash & Package Carriers)
*†Baxter Stove Co. (Stoves)
§Berry, J. H.
*§Browning Mfg. Co.
*Browning, V. R. & E. H. (R. R. Cranes, etc.)
§Buckeye Tempered Copper & Brass Co.
*†Eclipse Stove Co. (Stoves)
*Fernyak Machine Co. (Engines, Tools & Dies)
*†§Humphryes Mfg. Co. (Enameled Iron Bath Tubs, Pumps, Cocks & Bibbs, etc.)
*Ideal Electric & Mfg. Co. (Electric Machinery, etc.)
*Lean, Roderick Mfg. Co. (Harrows, Land Rollers, etc.
§Mansfield Brass Foundry Co. (John H. Barry, Prop.)
†Mansfield Foundry Co. (Grey Iron Castings)
§Mansfield Tempered Copper Co. (Brass & Bronze Castings, Commutator Bars,
*North American Watch Co. etc.)
New Method Co. (Gas Stoves, etc.)
*†§Ohio Brass Co. (Electric Railway & Steam Specialties)
*Phoenix Electric Co. (Dynamos & Motors,
§Safety Cylinder Valve Co. etc.)
*†Union Foundry & Machine Co. (Agrl. Implts.)

MARIA STEIN—*†New Idea Spreader Co. Agrl. Implts., etc.)

MARIETTA—*Cline Bros. Machine Works
*Leidecker Tool Co. (Well Drilling Machinery, etc.)
*†§Marietta Mfg. Co. (Stoves)
†Nye, A. T., & Son Co. (Stoves)
*†§Pattin Bros. Co. (Steam Engines & Grey Iron & Brass Castings)
*Salsman, G O.
*Star Roofing & Machine Co.

MARION—†American Malleable Casting Co.
*Berry Electrical Mfg. Co. (Lightning Arresters)
*†§Fairbanks Steam Shovel Co. (Steam Dredges, Traction Engines, Ditching Machines, etc.)
*†§Huber Mfg. Co. (Agrl. Implts., Engines, etc.)
*†Implement Mfg. Co. (Agrl. Implts., etc.)
*†§Marion Steam Shovel Co. (Dredging, Excavating, etc.)
*Titus Machine Works (Drill Presses, Vises, etc.)

MARKLE—*†Conn, Geo. L. Foundry Co.

MARTIN'S FERRY—*†Mann, Wm.
*McDermott Tool Works
†Spence-Baggs Stove Co. (Stoves)
*Stanton Heater Co. (Furnaces, etc.)

MARYSVILLE—*†Turner, Richard

MASSILLON—*Harrison, W. R., & Co. (Fodder Cutters, etc.)
*†§Hess, Snyder Co. (Pulleys, Furnaces &
*Kimble & Segner Stoves)
*Massillon Engine & Thresher Co. (Engines, Thresher, etc.)
†Massillon Foundry Co. (Iron Fdrs.)
*†Massillon Foundry & Mach. Co. (Steam Hammers, Industrial Cars, etc.)
*†Massillon Iron & Steel Co. (Cast Iron Pipe & Heavy Castings, etc.)
*†§Russell Engine Co. (Engines & Machinery Castings)
*†§Russell & Co. (Engines, Threshers & Saw Mills)

MECHANICSBURG — *Packham-Crimper Co. (Sheet Metal Workers' Machinery &

MEDINA—*Kraver, S. K. & Son Tools)
*†Medina Foundry Co. (Castings, etc.)

MIAMISBURG—§Allen, D. H. & Co. (Specialties)
*†Hoover & Gamble Co. (Twine & Cordage Machinery & Agl. Implts.)
*Kauffman, J. A. (Trip Hammers)
*Shuey, Frank (Machinists)

MIDDLEFIELD—*Middlefield Mfg. Co. (Hot Air Engines)

MIDDLEPORT—*†§Ohio Machine Co. (Brick Machines, Mill & Furnace Castings, etc.)

MIDDLETOWN—†American Rolling Mill Co.
*Barkelew Electric Mfg. Co. (Electrical Specialties)
*†Miami Cycle & Mfg. Co. (Cycles, etc.)
*Middletown Machine Co. (Gas Engines)
*Shartle Bros. Machine Co. (Paper Mill Machy.)

MILAN—*Curtis Machine Co. (Thresher Parts)

MILLERSBURG—*†Millersburg Foundry & Machine Works

MINERAL RIDGE—*†Mineral Ridge Mfg. Co. (Steam Hoists, etc.)

MINERVA—*Jobes, Emmor

MINSTER—*†§Minster Machine Co. (Power Transmitting, etc.)

MONTPELIER—*§Wingert Foundry & Furnace Co.

MORRAL—*Morral Bros. (Canning Machinery, etc.)

MOUNT GILEAD—*†Hydraulic Press Mfg. Co. (Presses, Sugar Mills, etc.)

MOUNT STERLING—*Carter Wire Fence Machy Co. (Fence Machy)

MOUNT VERNON—†Black, E. L. Furnace Co.
*†§Cooper, C. & G. Co. (Corliss Engines & Heavy Castings)
*Mount Vernon Bridge Co. (Structural Steel Work)

NAPOLEON—†Heller-Aller Co. (Wind Mills, etc.)

NELSONVILLE—*†§Nelsonville Foundry & Machine Co. (Mining, Elevating & Conveying Machinery)

NEWARK—*†§B. & O. R. R. Shops
†Central City Stove Works (Stoves, etc.)
*†Jewett Car Co. (Car Builders, etc.)
*†McNamar, J. J. D.
*†Newark Machine Co. (Agrl. Implts., etc.)
*†Scheidler Machine Works Co. (Engines, etc.)
†Simpson Heater Co. (Hot Air Furnace etc.)
*†Thomas, Jas. E. & Co. (Ingot Molds, Castings, etc.)
†§Wehrle Co. (Stove Mfrs.)

NEW BREMEN—*†§Lanfersieck & Grothaus Co. (Agrl. Implts., Plows, etc.)

NEW COMERSTOWN—*†§Clow, Jas. B. & Sons. (See Chicago, Ill.)
*§Curby, A. L. & Son
*Rex File & Saw Co. (Files, Saws, etc.)

NEW LEXINGTON—*†Star Mfg. Co. (Agrl. Implts., Mine Cars & Wheels & Feed Grinders)

NEW LONDON—*†Arnold-Creager Co. (Brick & Clay Mach'y)

NEW PHILADELPHIA—*New Phila. Machine & Repair Co.
*†Sharp Foundry & Machine Co.
*†Spicer Mfg. Co. (Agrl. Implts., etc.)

NEW RICHMOND—*†Columbia Brake Shoe & Foundry Co. (See Cincinnati, O.)

NEWTON FALLS — *†Grinnell & Borland (Stoves)

NILES—†Globe Foundry & Machine Works
*Harris Automatic Press Co. (Printing Presses)
*Niles Car & Mfg. Co. (Car Builders)
*†Niles Mine & Mill Supply Co.
*Standard Electrical Mfg. Co.

NORTH AMHERST—†Rice, J. J. (Iron Fdry.)

NORTH BALTIMORE—*†Hardy Machine Co. (Oil Well Mach'y, etc.)

NORTH BLOOMFIELD—*Chapman, W. A.

NORTH FAIRFIELD—†Harvey, S. L. (Plows, etc.)

NORWALK—*Kavanaugh, Wm. Co. (Gas & Gasoline Engines, etc.)
*Miller Anchor Co. (Anchors & Chains, etc.)
†§Norwalk Iron & Brass Foundry Co. (Iron & Brass Castings)

NORWOOD—(See Cincinnati, O.)

OAKHARBOR—*Bense Motor Co.
*Ohio Road Machinery Co. (Road Machinery, etc.)

OAK HILL—*†§Oak Hill Foundry & Mach. Works

OLMSTED FALLS—*†Wallace Mfg. Co. (Vapor Stoves, etc.)

ORRVILLE—*Champion Thresher Co. (Agrl. Implts.)
*Cyclone Drill Co. (Well Drilling Mach'y,
†Orr Foundry Co. Engines, Drills, etc.)

OTTAWA—*Ottawa Motor Co. (Motors, etc.)

PAINESVILLE—*Blackmore, Jno. (Machinist)
*†Coe Mfg. Co. (Veneer Machinery)
*Globe Mfg. Co. (Hardware Specialties,

PEEBLES—*†§Suffron, C. E. etc.)

PIQUA—*†Bowdle Bros.
*Champion Paper Cutter Co.
*†§Favorite Stove & Range Co. (Stoves),
*French Oil Mill Machinery Co, (Oil Mill Machinery, etc.)

PLAIN CITY—*†United Cement Machinery

PLYMOUTH—*Brown & Dick Mfg. Co.
*†§Fate, J. D. Co. (Brick Machinery)
*†Heath Foundry & Mfg. Co. (Lawn Mowers, Machines, etc.)

POMEROY—*†§Pomeroy Machine Co.

PORTAGE—*Laramora, O. O.

PORTSMOUTH—*Brunner, Jacob (Machinist)
†Ohio Stove Co. (Stoves)
*†§Portsmouth Machine & Casting Co.
*†Portsmouth Steel Co. (See Wheeling, W. Va.)
*†Portsmouth Stove & Range Co. (Stoves, etc.)
*Simpson Bros (Brick Makers' Mach'y)

PRAIRIE DEPOT—*Johnson, John W.

RAVENNA—*†Browning Foundry Co.
*†§Byers, John F. Machine Co. (Hoisting Machinery, etc.)
*†Ravenna Furnace & Heating Co.
*†Williams, A. C. Co. (Sad Irons, etc.)

RIPLEY—*†Danbery Foundry Co. (Castings & General Machine Work)

SABINA—*Clinton Mfg. Co. (Pumps)
*Ideal Pump Co. (Pumps, etc.)

ST. MARYS—*Buehler Machine Co. (Machinists)
*†Heisler Co. (Air Compressors & Pumping Machinery)
*†§St. Mary's Machine Co. (Machinists & Fdrs.)

SALEM—*†§BUCKEYE ENGINE CO. (Steam Engines, etc.). (See adv. Index,
*†Clark, W. J. Co. end of book)
*†§Deming Co. (Steam Pumps & Pumping Mach'y, etc.)
*†§Mullins, W. H. Co. (Architectural Bronze Work, etc.)
*§National Sanitary Mfg. Co. (Enameled Sanitary Iron Work)
†Pittsburg Foundry & Machine Co. (See
*Salem Tool Co. Pittsburg, Pa.)
*†Silver Mfg. Co. (Hub Boring Mach'y., Blacksmiths' Drills & Agrl. Implts., etc.)
†Victor Stove Co. (Stoves)
†Woodruff, J. & Sons (Stoves, etc.)

SALINEVILLE—*Rice, John

SANDUSKY—†Bay View Foundry Co.
*†§Klotz Machine Co. (Engines, Woodworking & Wine & Cider Making Mch'y & Iron & Brass Fdrs.)
*Mack Iron Works Co. (Architectural &
*Ohio Motor Co. (Gas Engines)
*†Sandusky Foundry & Machine Co. (Iron Fdrs. & Machinists)
*Sandusky Tool Co.
*Threading Machine Co. (Pipe Threading Machines, etc.)

SCIO—*Lidderdale Machine Shop

SEVILLE—*†§Overholt, I. M.

SHELBY—*Bightman Mfg. Co. (Shafting Machinery & Polished Shafting)
*Chicago Handle Co. (Bicycle Handle Bars)
†Shelby Foundry Co. (Grey Iron Castings)
*§Shelby Spring Hinge Co. (Steel, Brass & Bronze Hardware)

SHREVE—*†Shreve Mfg. Co.

SIDNEY—*American Steel Scraper Co. (Road Scrapers)
*Eclipse Folding Machine Co. (Folding Machines)
*Sidney Steel Scraper Co. (Road Scrapers, etc.)
*Sidney Tool Co. (Wood Working Machinery, etc.)
*Slusser & McLean Scraper Co. (Road Scrapers)
*†Smith, Philip, Mfg. Co. (Carriage Machinery)
*†Wagner Mfg. Co. (Hollowware, etc.)

SPENCERVILLE—*Foster, Tobias

SPRINGFIELD—*†American Radiator Co. (See Chicago, Ill.)
*†American Seeding Machinery Co. (Agrl. Impl's)
*Bauroth Bros. (Gas & Gasoline Engines)
*†Bayley, Wm. Co. (Builders, Iron Work, Special Machinery, etc.)
*†Bettendorf Metal Wheel Co. (See Davenport, Iowa)
*Casey, D. L. Machine Co. (Engines. Boilers, etc.)
*§Central Brass & Fixture Works (Brass Goods)
*Colthar, Wm. U. (Special Machinery)
*†Fairbanks Co. (Machine Tools, Piano Plates, Castings, etc.)
*†Foos Gas Engine Co. (Gas Engines)
*†Foos Mfg. Co. (Agrl. Implements, Flour Mill Machinery, etc.)
*Gearless Gas & Gasoline Engine Co. (Gas
*Greene Mfg. Co. & Gasoline Engine)
†Hennessy Foundry Co. (Grey Iron Castings)
*†Hoppes Mfg. Co. (Feed Water Heaters,
*Igou, D. T. etc.)
*Indianapolis Switch & Frog Co. (Frogs, Switches & Crossings, etc.)
*†International Harvester Co. (Agrl. Implements, etc.) (See Chicago)
*†Kelly, O. S. Co. (Traction Engines, Piano Plates, etc.)
*†Kelly Springfield Road Roller Co. (Road Rollers, etc.)
*Lagonda Mfg. Co. (Boiler Flue & Tube Cleaners, Valves, etc.)

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*†§Leffel, Jas. & Co. (Turbine Water Wheels & Engines, etc.)
*Long, W. Z. (Confectioners' Mach'y, etc.)
*†Mast, Foos & Co. (Buckeye Lawn Mowers, Force Pumps, Wind Engines, etc.)
*Mentels, The (Gas Heating Stoves for Natural & Artificial Gas, etc.)
*Miller Improved Gas Engine Co. (Heavy Duty Gas Engines)
*§Nolte Brass Co. (Brass Fdrs. & Finishers)
*Owen Machine Tool Co. (Machine Tools)
*†Patric Furnace Co. (Hot Air Furnaces)
*Reed Mfg. Co. (Rug Looms, etc.)
*†Robbins & Myers Co. (Light Iron Castings & Dynamos, Motors, Electric Fans, etc.)
*Roberts, T. (Feed Mills, etc.)
*Rodgers, Geo. G. (Machinist)
*†Ross, E. W. Co. (Sugar Cane Mills & Fodder Cutters, etc.)
*Safety Emery Wheel Co. (Tools & Emery Grinders, etc.)
*Shawver Co. (Woodworking Mach'y)
*Shiers, J. A. Supply Co. (Tools, etc.)
*§Springfield Brass Co. (Brass Fdrs. & Finishers, Steam Specialties, etc.)
*Springfield Gas Engine Co. (Gas Engines)
*†Springfield Machine Tool Co. (Lathes, Presses, etc.)
*†Superior Gas Engine Co. (Gas & Gasoline Engines)
*†Thomas Mfg. Co. (Agrl. Implts., Pumps, Lawn Mowers, etc.)
*Thompson Grinder Co. (Grinding Machy., etc.)
*†Trump Mfg. Co. (Engines, Water Wheels & Transmitting Mach'y)
*Victor Feed Mills Co. (Feed Mills, etc.)
*Webster & Perks Tool Co. (Machine Tools, etc.)
*Western Tool & Mfg. Co. (Tool Holders, Mandrels, etc.)
†Wickman Piano Plate Co. (Piano Plates & Piano Hdw.)

STEUBENVILLE—§Irwin Bros.
*†La Belle Iron Works (Iron & Steel Castings & Machine Shops)
*†§Means Foundry & Machine Co. (Brick Mach'y. & Iron & Brass Castings)
†Sharp, Wm. L. & Son (Grates, etc.)

SWANTON—*†§Baker, A. D. Co. (Traction Engines & Metal Wheels, etc.)

TIFFIN—*Brickner Machine Co.
†Hermyer Stove Co. (Gas Heaters, etc.)
*Klopp Bros. (Machinists)
*†Loomis Machine Co. (Well Boring & Drilling Machy.)
*†National Machinery Co. (Bolt & Nut & Rivet Machy., etc.)
*†§Sterling Emery Wheel Mfg. Co. (Emery Wheels & Emery Wheel Mach'y.)
†§Tiffin Malleable Iron & Chain Co.
*†§Tiffin Wagon Co. (Agl. Implts., Brick Machy., etc.)

TOLEDO—*Acme Mfg. Co. (Special Machy., Tools, Dies, etc.)
*†ADVANCE MACHINERY CO. (Woodworking Machinery. (See adv. index, end of book)
*American Foundry Co. (Iron Founders)
*†American Foundry & Furnace Co. (See Bloomington, Ill.)
*American Metal Wheel & Auto Co.
*†American Pump & Supply Co. (Iron Pumps, etc.)
*American Tubular Axle Co.
*Automatic Machine & Tool Co. (Gas & Gasoline Engines, etc.)
*†Baker Bros. (Key Seaters, Tapping & Boring Machines & Woodworking Mach'y)
*Banting Machine Co. (Agrl. Implts., etc.)
*Bauroth Machine Co.
*†Braunschweiger Bros. (Special Machy., Tools, etc.)
*Brunning Metal Wheel Works (Truck & Car Wheels, etc.)
§Calhoun, Wm. (Bronze, Brass & Alluminum Castings, etc.)
*†Consolidated Pump Co.
*De Mers, Maglair
*De Vilbiss Mfg. Co. (Surg'l Instruments)
*†Donovan Wire & Iron Co. (Grey Iron Castings), Toledo, O.
†Ensign Foundry Co. (Iron Founders)
*Etna Machine Co.
*†Foster, C. M. & Co. (Iron Fdrs., etc.)
*Gendron Wheel Co. (Bicycle Wheels)
*Gogel Mfg. Co. (Tuyere Iron Heaters, Fifth Wheels, etc.)
*†Haughton Elevator & Machine Co. (Elevators, etc.)
*†Heartley, Geo. W. (Bicycle & Metal Wheel Mach'y. etc.)
*†Jones, S. M. Co. (Gas Engines & Oil Well Supplies)
*Keasey Pulley Co. (Power Transmitting Machinery)
*Kent Machine Co. (Machinists)
*Lawrence Mfg. Co. (Cream Separators & Dairy Mach'y)
*McCreery Engineering Co. (Ventilators & Air Cooling Mach'y, etc.)
*McLeary, Ed. (Machinist)
*Mellink Mfg. Co. (Tools, etc.)
*†Merrell Mfg. Co. (Pipe Cutting & Threading Mach'y, etc.)
*†Milmine, H. B. & Co. (Iron Fdrs., etc.)
*Moore, C. H. (Edge Tools, etc.)
†National Malleable Casting Co. (See Cleveland, O.)
*†§National Supply Co. (Oil Well Supplies, etc.)
*Ohio Steam Shovel Co. (Steam Shovels, etc.)
*Oleson Spring Co.
*Owens Bottle Machine Co. (Bottle Machines)
§Pope Motor Car Co.
*Powell, F. & Co.
*†Rathburn-Jones Engineering Co. (Marine Gas Engines)
*Reeves Gas Engine & Motor Works
*†Ricard Boiler & Engine Co. (Castings, etc.)
*Ross, E. & Co. (Novelty Rug Machines)
*Ruembell, H., & Son
*†Rumely, M. Co. (See La Porte, Ind.)
*§Seeger, Valentine (Brass & Comp. Castings)
*§Seiss Mfg. Co. (Iron & Brass Specialties)
*Shaw-Kendall Engineering Co.
*†Sutton, C. E. Co. (Punches & Shears Milling Machines, etc.)
§Toledo Brass & Novelty Works (Brass & Comp. Castings)
*§Toledo Chandelier Mfg. Co.
*Toledo Computing Scale Co. (Computing Scales, etc.)
*†Toledo Foundry & Machine Co. (Steam Shovels, Castings, Engines, Dredging Machinery, etc.)
*†Toledo Machine & Tool Co. (Punching & Shearing Machy., Power Presses, Power & Drop Hammers, etc.)
*Toledo-Masillon Bridge Co. (Structural Iron Work, etc.)
*Toledo Metal Wheel Co. (Bicycles, Metal Wheels, etc.)
*Toledo Pipe Threading Machine Co. (Pipe Threading Machines, Dies, etc.)
†Toledo Plow Co. (Plows, etc.)
*Toledo Saw Co. (Saws, etc.)
*†§Toledo Ship Building Co. (Ship Builders, Engines, Brass & Grey Iron Castings)
†Toledo Stove & Range Co. (Stoves, Ranges, etc.)
*Union Fire Arms Co.
†U. S. Malleable Iron Co. (Malleable Iron Castings, etc.)
*Universal Machine Co. (Gasoline Motors)
*†§Vulcan Steam Shovel Co. (Steam Shovels & Dredges & Iron & Brass Castings)
§Western Gas Fixture Co. (Gas & Elec. Fixtures, etc.)
*Yost Electric Mfg. Co. (Lawn Sprinklers, Lamp Sockets, etc.)

TORONTO—*Long, James A., & Co.
*†Toronto Machine Co.

TROMBLEY—*Ohio Oil Co. (Mach. Shops)

TROY—*†Enterprise Foundry Co.
*Hobart Electric Mfg. Co. (Electric Coffee Mills & Meat Choppers, etc.)

TWIGHTWEE—*Cincinnati Screw & Tap Co. (Taps, Screws, Nuts, etc.)

TYRELL—*Tyrell, A. H. & Son (Iron Fdrs.)

UPPER SANDUSKY—*†Johnson, J. W., & Co. (Laundry Machinery)
*†§National Steam Pump Co.
*Ohio Mfg. Co. (Agrl. Implts., etc.)

URBANA—*†Crane, M. H. & Co. (Stoves, etc.)
*§Desmond-Stephen Mfg. Co. (Injectors, etc.)
*†Illinois Car Co. (Cars, etc.)

UTICA—*Cree, J. A.

VAN WERT—*Frisbie, F. C.
†Spayd Bros.

VERMILION—*§Wakefield, F. W., Brass Co. Lighting Fixtures)

WADSWORTH—*§Ohio Injector Co. (Boiler Injectors, etc.)

WALDO—*Long, J. F.

WAPAKONETA—†Wapak. Hollow Ware Co.
*Wapakoneta Machine Co.

WARREN—*†Aetna Fdy. & Machine Co. (Tin & Sheet Mill Machy. & Castings)
*Borden Co. (Hand Pipe Threading Machines, etc.)
*†Day-Ward Co. (Cast Iron Enameled Sanitary Bath Tubs, etc.)
*Denison Mfg. Co. (Carpet Stretchers, Curling Irons, etc.)
*§General Fire Extinguisher Co. (Fire Sprinklers) (See Providence, R. I.)
*Hitchcock Motor Co.
*Holscher Electric Mfg. Co. (Electrical Specialties)
*†McMyler Mfg. Co. (Quarry & Contractors' Machy., etc.). (See Cleveland, O.)
*Monarch Electric Mfg. Co. (Electrical Specialties)
*New York & Ohio Co. (Electrical Goods, etc.)
Packard Electric Co. (Electrical Specialties)
*Phoenix Electric Co. (Electrical Specialties)
*Peerless Electric Co. (Dynamos & Motors & Transformers)
Sterling Electrical Mfg. Co. (Electrical Specialties)
*†Trumbull Mfg. Co. (Gasoline Engines & Cylinders & Castings)
*Warren Electric & Specialty Co. (Motors, etc.)
*Warren Stove Co. (Steel Ranges)

WASHINGTON— C. H.—*†§Swope, Geo. B.
†Wonder Mfg. Co. (Stoves)

WAUSEON—*†Red King Mfg. Co. (Windmills, etc.)
*Schletz, Philip

WELLINGTON—*†Wellington Machine Co. (Brick Machy., etc.)

WELLSTON—*†Morrow Mfg. Co. (Mining Machy., etc.)
*†Peck-Williamson Fdry. Co. (See Cincinnati, Ohio)
*Wellston Plumbing & Machine Co.

WELLSVILLE—†Menough Foundry Co. (Grey Iron)
*†Stevenson Co. Brick Mach'y., etc.)

WEST ALEXANDRIA—*†Pence-Seward Mfg. Co. (Structural Iron & Machine Works)

WESTERVILLE — *Bonnet, H. L. & Co. (Stump Pullers)
†Hance, J. W. Foundry Co. (Grey Iron Castings, etc.)

WESTPARK—*Cleveland Car Co. (Industrial
*Norton Tool Co. (Tools, etc.) Cars, etc.)

WICKLIFFE—*Armington Electric Hoist Co. (Electric Hoists, etc.)
*Cleveland Brick Machinery Co. (Brick Machinery)
*Cleveland Crane & Car Co. (Cranes & Hoists)

WILLOUGHBY—*†§American Clay Machinery Co. (See Bucyrus, O.)

WILMINGTON—*Champion Bridge Co. (Structural Steel Work, etc.)
†Farquahar Furnace Co.
*Irwin Auger Bit Co. (Auger Bits, etc.)

WOODSFIELD—*Lofland Bros.

WOOSTER—*Wooster Machine Co.

XENIA—*†Kelly, R. A. Co. (Shaping Machines, Machine Tools, etc.)

YOUNGSTOWN—*§Falcon Bronze Co. (Brass & Bronze Castings, Tuyeres & Coolers)
*Finished Steel Co. (Polished Steel Shafting)
*General Fireproofing Co. (Steel Products)
*McKay Bros. (Machine & Job Work)
*Pollock, Wm. B. Co. (Gas Works Mach'y, etc.)
*Reliance Edge Tool Co. (Edge Tools, etc.)
*†Republic Iron & Steel Co. (Offices, Pittsburg, Pa.)
*†§Tod, Wm., Co. (Rolling Mill Engines)
†Truman, A. L. & Son (Stove Castings)
*†§United Engineering & Foundry Co. (Rolling Mill Mach'y. & Castings). (See Pittsburg, Pa.)
*†Wiener, Ernst Co. (R. R. Supplies, Cars, etc.)
†§Youngstown Bronze & Iron Foundry Co. (Brass & Bronze Small & Grey Iron Castings)
*†YOUNGSTOWN CAR MFG. CO. (Steel & Freight Cars, Car Wheels & Castings)
*†§Youngstown Foundry & Machine Co. (Rolling Mill Machy)
*†Youngstown Furnace & Supply Co. (Stoves, Furnaces, etc.)
*†Youngstown Iron & Steel Roofing Co. (Stoves & Ranges)
*†Youngstown Sheet & Tube Co.
*†Youngstown Steel Co. (Steel Castings)
*Youngstown Wire & Iron Co. (Fire Escapes, etc.)

ZANESVILLE—*†Brown Mfg. Co. (Plows, Agrl. Implts., etc.)
*†§Dockary, H. V. Brass & Iron Co.
*†§Griffith & Wedge Co. (Engines, Saw Mill Machy., etc.)
*†Jones, Chas. H. (Stoves)
*Keystone Wrapping Machine Co. (Wrapping Machines)
†Weldig & Co.
*Zanesville Chemical Engine Co. (Chemical Engines)
†Zanesville Malleable Co. (Malleable Iron Fdrs.)

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OKLAHOMA.

ARDMORE—*Ardmore Automatic Co. (Slot Machines, etc.)
*†§Ardmore Fdry., Machine & Bridge Co.
BARTLESVILLE—*†§Bartlesville Foundry & Machine Works
BLACKWELL—*Rice Bros.
CARMEN—*Mott, J. F.
CHEROKEE—*†Oklahoma School Desk Mfg. Co. (School Desks, etc.)
CHICKASHA—*Badger Engine & Machine Co
COAL GATE—†Pounder, H.
DURANT—*†Durant Machine & Iron Works.
EL RENO—*El Reno Foundry & Machine Co.
ENID—*†§Enid Fdry. & Machine Shop
*Young, John A. (Machinist)
GUTHRIE—*†§Southwestern Iron Co.
JENNINGS—*Jennings Machine Co.
LAMONT—*Snyder Bros.
M'ALESTER—*†§Union Iron Works
MUSKOGEE—*Meister, C. M.
OKLAHOMA—*†§Oklahoma City Fdry. & Machine Shop
*†§Sherman, N. S., Machinery Co.
*Zalondek Machine Co.
SHAWNEE—*†§Wilkinson & Fisher
TULSA—*†Oklahoma Iron Works
*Tulsa Machine & Tool Co.
WOODWARD—*Boyle Bros.

OREGON.

ALBANY—*†§Albany Iron Works (Flour Mill, Mining, etc.)
ASHLAND—*†§Ashland Iron Works
ASTORIA—*†Astoria Iron Works (Inc.) (Engines, Canning Machinery & Iron Castings)
*†Lovell, J. L.
*†Pacific Iron Works (Mining & Saw Mill Machinery, etc.)
BAKER CITY—*†§Baker City Iron & Supply Co.
BANDON—*†§Garfield, A.
CORNELIUS—*†City Foundry & Machinery Co.
EUGENE—*†§Frazer, G. N.
*†Gross Bros. (Fdrs. & Machinists)
GRANTS PASS—*†§Grants Pass Iron & Steel Works
HELIX—*Richardson, D. B.
MARSHFIELD—*†§Nelson, F. E.
NORTH BEND—*†§North Bend Iron Works
OREGON CITY—†§Roake, J. A.
OSWEGO—*†Oregon Iron & Steel Co. (See Portland)
PENDLETON—*†§Pendleton Iron Works
PORTLAND—*American Tool Works (Tools, etc.)
*Bell, Wildman & Co.
*Boggess & Curtis
†Columbia Steel Co. (Hoisting Blocks)
*Cornfoot, Wm.
*Gardner & Viggers
*§Harpers Art Brass Works (Brass Composition, Bronze, Machinists, etc.)
*Harris, H. E. (Ice Machy., etc.)
*†Heacock & Lawrence Iron Works Co.
*Hicks, Burt (Machinist)
*Hippely & Myers
*Hydraulic Elevator Co.
†Independent Foundry Co.
*Isensee, Wm. (Machinist)
*Kelly, J. B. (Machinist)
†Loewenberg & Going Co. (Stoves)
†Montag, Jno. (Stoves)
†National Iron & Foundry Co.
*§Oregon Brass Works (Brass Castings, etc.)
*†Oregon Iron & Steel Co. (Works, Oswego)
*†Pacific Iron Works (Builders' Iron Work
*†§Phoenix Iron Works & Castings)
†§Portland Bronze & Crucible Steel Fdry. & Flour, Saw & Paper Mill Mach'y., Engines, etc.)
*†§Portland Ry., Lt. & Power Co.
*Portland Wire & Iron Works
*Precemeder & Tureck
*†Smith & Watson Iron Works
*Trenkman, B. & Co.
*Tuerck, I. K.
*†Vulcan Iron Works (Chas. F. Machen, Prop.)
*Webber Machine Works
*†Willamette Iron & Steel Works (Power Transmitting Machy., Engines, etc.)
*Wood, John, Iron Works Co.
RAINIER—†Rainier Iron Works
ST. JOHNS—*Murphy, James T.
SALEM—*†Bardsley & Shell
†Loewenberg & Going Co. (See Portland)
*Maurer & Wilson
†Shand & Marcus
THE DALLES—*Clough, H.
*†Kirk, J. B.
WOODBURN—*†§McKinney, J.

PENNSYLVANIA.

ADAMSTOWN—*Shirk, A. G.
ALLEGHENY—*§Adams Bros. Mfg. Co. (Gas Burners, etc.)
*Ajax Mfg. Co., 848 Jackson av. (See Pittsburg, Pa.)
*Albree, Chester B. Iron Wks. Co. (Riveting Machines)
*†Allegheny Fdry. Co., Boquet & Grant av
*†§American Locomotive Co. (Locomotives), (See New York City)
*Carlin Machinery & Supply Co.
*†CARLIN'S, THOS. SONS CO. (Hoisting Engines & Contractors' & Rolling Mill Machinery). (See adv. index, end of book)
§Damascus Bronze Co. (Bronze Castings, Bearings, etc.)
*Danver, R. H. (Machinist), 845 Penna. av
*Duff Mfg. Co. (Hydraulic Jacks, etc.)
*†Eagle Tool & Machine Co. (Special Machy., Tools, Repair Work, Gear & Rack Cutting)
*†Enterprise Fdry. Co. (Ltd.) (Castings, etc.), Nixon & Manhattan
*Fox Fishing Tool & Machine Co. (Fishing Tools, etc.)
*Gillespie Mfg. Co., 206 Isabella
*†Hall Steam Pump Co., 215 Grant av.
*Hardsocg, Martin, Co. (Miners' Tools)
*Heathcote, Thos. (Tools, etc.), 829 Penna av
*Hipwell Mfg. Co., 831 North av
*Hoerle, W. M. (Dies & Machine Specialties)
*†McKinney Mfg. Co. (Hinges, Butts, Hdw.,
†Monongahela Casting Co. etc.)
*†National Gear Wheel & Fdry. Co. (Castings, Gears, Gas Engines, etc.), South av & Walker
†Penna. Car Wheel Co. (Car Wheels, etc.)
*†Penna. Casting & Machine Co.
§Penna. R. R. Co. (Brass Fdry., etc.)
*†Pittsburg Forge & Iron Co.
*†§Pittsburg Lamp, Brass & Glass Co., Locust & River (See Pittsburg, Pa.)
*Pittsburg Machine Tool Co. (Engine Lathes, etc.), 61 Darrah
*Pressed Steel Car Co. (See Pittsburg, Pa.)
*§Republic Mfg. Co.
*†Riesick, Peter (Bldrs.' Iron Work, etc.).
*†Rosedale Foundry & Machine Co. (Rolling Mill & Tube Mill Machinery & Castings, etc.)
*Standard Heater Co. (Heaters, etc.)
*†§Standard Sanitary Mfg. Co. (Enameled Iron Sanitary Specialties). (See Pittsburg, Pa.)
*Stephenson Mfg. Co. (Gas Stoves, Instantaneous Water Heater)
*†Stove & Range Co. of Pittsburg (Stoves, Ranges, etc.)
†Westingouse Electric & Mfg. Co. (See Pittsburg)
ALLENTOWN—*†Allentown Foundry & Machine Works (Beet & Cane Sugar Machinery, Gun Powder Machinery & Castings)
*Allentown Bobbins Works (Steel Bobbins)
*†§Allentown Rolling Mills (Rolling Mill Machy., High Duty Pumping Engines, etc.)
Bonney Vise & Tool Works (Inc.). (Vises, Tools, etc.)
†Daugherty Foundry Co. (Grey Iron Castings, Grate Bars, etc.)
*Excelsior Knitting Machine Mfg. Co. (Knitting Machy.)
Grammes, L. F. & Sons (Cigar & Paper Box Works, etc.)
†Kline Hardware Co. (Hdwe. Specialties)
*Kutz & Gift (Capsule Moulds, etc.)
*†§Lehigh Portland Cement Co.
*§Mack Bros. Motor Car Co. (Motor Trucks, etc.)
*Lindstrom, Jno. T. (Steam Trap & Separators, etc.)
*†Mosser, W. F. & Son (Iron Fdrs., Cement Mach'y, etc.)
*Nadig, C. H. Mfg. Co. (Steam Engines, etc.)
*†§Spangler, Chas. (Grey & Brass & Bronze Castings)
*Taylor, Wm. H., & Co.
*†§Traylor Engineering Co.
*§Vulcan Brass Works (R. Meisterknecht, Prop.)
ALTOONA—*†Altoona Foundry & Machine Co. (Grate Bars, Sheave Wheels & Castings)
*Monarch Machine Works
*†§Penna. R. R. Co. (Shops)
ALVERTON—†Fox, Jesse W.
AMBRIDGE—*†§American Bridge Co. (Office, Pittsburg, Pa.)
ARDMORE—†Autocar Co.
ASHLAND—*†§Goyne Steam Pump Co. (Steam Pumps)
ATHENS—*†American Bridge Co. (Office, Pittsburg, Pa.
*Imperial Pneumatic Tool Co. (Pneumatic Tools)
AVONDALE—*†§Anderson, Thos., & Co.
AVONMORE—†Keystone Steel Foundry Co. (Steel & Grey Iron Castings)
BANGOR—*†Flory, S. Mfg. Co. (Iron Fdrs., Hoisting Engines, Stone & Slate Working Mach'y., etc.)
BAUSMAN—*Bausman, D. H. (Machinist, etc)
BEAVER FALLS—*Emerson, Smith & Co. (Saws & Specialties)
†Howard Stove Co. (Stoves & Ranges)
*†§Keystone Driller Co. (Portable Well Drilling Machy. & Brass, Steel & Grey Iron Castings)
*†§Knott, Harker & Co. (Fire Place Furnishings, Castings, etc.)
*†Penn Bridge Co. (Steel Bridges & Foundry & Machine Work)
*Standard Connecting Rod Co. (Connecting Rods, etc.)
*Standard Gauge Steel Co. (Finished Machine Keys, Compressed Steel Elevator Guards, etc.)
*†Standard Scale & Supply Co. (See Pittsburg, Pa.)
BEDFORD—†Cromwell, W. F.
BELLEFONTE—*†§Lingle, J. H., Co. (Helve Hammers, etc.)
BELLVILLE—*†§Hertzler & Zook
BELLWOOD—*†Bellwood Mfg. Co. (Car & R. R. Castings)
BENNETT—†Jorden, R. H. (Steel & Cast Iron Piston Rings)
*Lippert, E. T., Saw Mfg. Co. (Saws, etc., Machinery)
BENROY—*†§Strickler, B. F., & Sons (Tobacco Scrap Machinery)
BERWICK—*†American Car & Foundry Co. (See St. Louis, Mo.)
†Fenstemacher, Henry
BETHLEHEM—*†Guerber Engineering Co. (Railroad Switches, etc.)
†Reese, Lewis O. (Iron Fdry.)
*Roller-Smith Co. (Electrical Instruments, etc.)
BIRDSBORO—*†Birdsboro Steel Foundry & Machine Co. (Core Drills, Rolling Mill Machinery & Iron & Steel Castings, etc.)
BLAIRSVILLE—*Blairsville Machine Works
*†§Tittle, C. L.
BLOOMSBURG—*†American Car & Foundry Co. (See St. Louis, Mo.)
*†American School Furniture Co.
*Brower, E. B. Co. (Gas Engines, etc.)
*Geese, Jeremiah & Co. (Machinists)
*†Harman & Hassert
*†§Richard Mfg. Co. (Rod, Tube & Wire Mill Machinery & Grey Iron Castings)
BLOSSBURG—†Moores, Thos. J.
BLUE BALL—*Shirk, P. E. (Wrapper Cutting Machines, etc.)
BOLIVER—*†§Boliver Foundry & Machine Co.
BOYERTOWN—Megerly, Chas. O
*Schlegel, Daniel (Agrl. Implts.)
*†Union Mfg. Co. (Sad-Irons, etc.)
BRACKENRIDGE—*†Allegheny Steel Co. (Machine Shop & Foundry for Own Use), Office, Pittsburg, Pa.
BRADDOCK—*Automatic Bottling Machine Co. (Bottling Machines, etc.)
*†Braddock Machine & Mfg. Co. (Rolling Mill Machinery)
*†§Carnegie Steel Co. (See Pittsburg)
*†McVay & Walker (Sanitary Enameled Cast Iron Goods, Bath Tubs, etc.)
*†Sterling Steel Foundry Co. (Steel Castings, Car Couplers, etc.)
BRADFORD—*†§Air Pump & Meter Co.
*†Blaisdell Machinery Co. (Gas Engines, Air Compressors, etc.)
*†Boviard & Co. (Engines, etc.)
*†§Bovaird & Seyfang Mfg. Co. (Engines, Boilers, Pumps, Oil & Gas Well Supplies, Well Drilling Machinery, etc.)
*†§Caldwell, E. R. & Co. (Iron & Brass Fdrs., Steam Engines, Pumps & Oil Well Supplies)
*†Custer Coupling Co. (Couplings, Clamps, etc.)
*†Dresser, S. R. Mfg. Co. (Pipe Couplings, Packers' Clamps, Sleeves & Fillings, etc.)
*§Fleming, Geo. W., Co.
*Flickering Iron Works (Gas Engines)
*Leader Specialty Mfg. Co. (Gas Regulators, etc.)
*Hamilton, F. (Oil Well Tools, etc.)
*Ley, Jno. (Oil Well Tools, etc.)

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*Lytle, M. & Son (Machinists)
*McElwaine Co. (Gas Engines, etc.)
*Phillips, David Co. (Oil Well Tools, etc.)
*Standard Saw Co. (Saws, etc.)
*Williamson Vise Co. (Vises, etc.)

BRAEBURN—*Braeburn Steel Co. (Small Machine Shop for Own Use)

BRIDGEPORT—*Gehret Bros.
*†§Lorenna Foundry Co.
*†Wilkinson Mfg. Co. (Automatic Stokers, etc.)

BRISTOL—*Ardrey, S. B. & Sons (Textile Mach'y., etc.)
†Harkins, T. B., Foundry Co. (Stoves, Furnaces, etc.)
*†Standard Cast Iron Pipe & Foundry Co. (Cast Iron Pipe, etc.)

BROOKVILLE—*†Jenks, W. H. (Machinist)

BROWNSVILLE — *†§Herbertson's, John, Sons (Mine Cars, etc.)

BRUNNERVILLE—*†Bentz, Frank B.

BURNHAM—*†Standard Steel Works (Steel Castings, etc). (See Phila., Pa.)

BUTLER—*†Butler Car Wheel Co. (Car Wheels, etc.)
*†Butler Engine & Foundry Co. (Engines, etc.)
†Campbell, J. G. & W. (Oil Well Supplies)
*Etna Mfg. Co. (Oil Well Supplies, etc.)
*†Evans Mfg. Co. (Engines & Gas Well Supplies)
*Heeter, C. M. Sons & Co. (Drilling & Fishing Tools, etc.)
*Kesselman & Co. (Oil Well Supplies)
*Larkin & Co. (Machinists)
*Masseth Packer & Machine Works (Oil & Gas Well Pumps, etc.)
*†Palm Gas Engines Co. (Gas Engines, etc.)
*Phillips, T. W. Mfg. Co. (Oil Well Supplies)
*†§Pittsburg-Hickson Co. (Brass & Iron Beds)
*Sherman, J. B. (Machinist)
*Spang & Co. (Machinists & Oil Well Supplies)
*†Standard Steel Car Co. (Steel Cars & Trucks, etc.) (See Pittsburg, Pa.)

CALIFORNIA—*†California Fdry. & Machine Co.
†King, J. W. (Stoves, etc.)

CANONSBURG—*Alexander Mfg. Co. (Machinery)
†Canonsburg Steel & Iron Works
*†Fort Pitt Bridge Works (See Pittsburg, Penna.)

CARBONDALE—*†Carbondale Machine Co. (Ice & Refrigerating Machinery)
*†Cross Engineering Co. (Coal & Ore Machinery, etc.)
§Sterling Metal Co. (Brass Castings, etc.)
*†§Van Bergen & Co.

CARLISLE—†Gardner, E. J., Axle & Machine Co. (Axles & Machine Work)
*†Frog Switch & Mfg. Co. (Frogs, Switches, etc.)

CARNEGIE—†Adler, H. Co. (Gas Stoves, etc.)
*Alexander Bros. (Stove Pipe Mach'y.)
*†§Dixon, H. L., Co. (Glassmakers' & Potters' Supplies)

CATASAUQUA—*†Catasauqua Casting Co.
*†Davies, Thomas, & Co.
§Hercules Metal Works (Brass, Bronze & Copper Castings, etc.)
*†Lehigh Car Wheel & Axle Works (Cars, Wheels & Axles, etc.)
*Lenox Mfg. Co. (Sewing Machine Attachments)

CATAWISSA—*†Catawissa Car & Casting Co. (Cars, Car Wheels, Castings & Forgings)

CENTER HALL—†Luse Mfg. Co. (Hydrants, etc.)

CHAMBERSBURG—*†§Chambersburg Engineering Co. (Steam Hammers, Cranes, etc.)
*†Haeffer, E. C.
*Hug, A. C. (Machinist)
*Schaal, Jno. D., & Co.
*Tunis, Robt. W. Mfg. Co. (Printing Presses, etc.)
*†§Wolf Co. (Flour Mill ½ Power Transmitting Machinery)
*†Wood's, T. B., Sons Co. (Power Transmission)

CHARLEROI—*†§Charleroi Foundry & Machine Co.

CHERRY TREE—*†§Cherry Tree Iron Works

CHESTER—†American Steel Foundries Co. (Open Hearth Steel) (See Chicago, Ill.)
*Baldt Anchor Co. (Anchors, etc.)
*Berry Engineering Co. (Steam Specialties)
*Birtwell, Henry B. (Mach'y, etc.)
*Black, John B. (Edge Tools, etc.)
†Boulden, Wm. M. & Sons
*Chester Engineering & Machine Co. (Gasoline Engines, Crankshafts, Special Machinery, etc.)
*Chester Forging & Engineering Co.
†Chester Steel Castings Co. (Open Hearth Steel Castings)
*Cheyney, Jno. H. & Co. (Machinists)
§Crown Smelting Co. (Brass Fdrs. & Machinery Castings, etc.)
†Economy Iron Works
†Federal Steel Foundry Co. (Open Hearth Steel Castings)
*Jacobson Engine Co. (Gas Engines, etc.)
†Keystone Steel Casting Co. (Crucible Steel Castings & Gear Blanks)
*Niagara Hydraulic Engine Co. (Hydraulic Engines, etc.)
*†Penn Steel Castings & Machine Co. (Castings Acid Open Hearth Steel of All Descriptions)
*†Seaboard Steel Casting Co. (Founders, Steel)
†Solid Steel Casting Co. (Steel Founders)
*WETHERILL BROS. MACHINE Co. (Engines, Pumps, Dredging & Soap Machinery. (See adv. index, end of book)
*†Wetherill, Robt. & Co. (Corliss Engines, Paper & Pulp Mill Mach'y, etc.)

CHESTNUT LEVEL—*Brown, J. Edgar

CHICORA—*Bowers, Warren
*Chicora Machine Works

CHRISTIANA—*†Christiana Machine Co. (Mill Mach'y)

CLEARFIELD—*†Byers, A. M., Co. (See Pittsburg, Pa.)
*†§Clearfield Machine Shops (Ltd.) (Fire Brick Mach'y)
*Gearheart, Joseph E. & Son (Knitting Machines)

CLEONA—*Imboden Harrow & Roller Co. (Agri. Implements)

COATESVILLE—*†Coatesville Foundry & Machine Co. (Grey Iron Castings, etc.)
*†§Lukens Iron & Steel Co. (Steel Castings, all Consumed by the Company; also Machine Shops for Repairs)
*†§Ridgway, Craig & Son Co. (Cranes & Hoists, etc.)
*Taite Railway Signal Co.
*Worth Bros. Co. (Well Equipped Machine Shop)

CODORUS—†Auchey, Abraham (Iron Fdry., etc.)

COLUMBIA—*†§Columbia Grey Iron Co. (Light Grey Iron Castings & Builders' Hdwe.)
*†Columbia Mfg. Co. (Laundry Machy.)
†Keeley Stove Co. (Stoves, Ranges & Furnaces)
*Smith, E. G. Co. (Concave & Convex Gauges, etc.)

CONNEAUTVILLE—*†§Moulthrop Bros.

CONNELLSVILLE—*†§Boyts,* Porter & Co Steam Pumps, etc.)
*†§Connellsville Machine & Car Co. (Pumps, Engines, Mine Fans & Iron & Brass Castings, etc.)
*Connellsville Machine & Car Supply Co.
*†§Connellsville Mfg. & Mine Supply Co. (Coal & Coke Works Equipment)
†Munson Heater Co. (Heaters, etc.)
*Pittsburg Safe Co. (Safes, etc.)

CONSHOHOCKEN—*†§Bate, Wm. T. & Son
*Lee, J. Ellwood Co. (Surgical Dressing Machinery to be used in their own Factory)
*†Messinger's, H. C. Sons (Stoves, etc.)
*†Wood, Jno. Mfg. Co. (Boilers, Tanks & Iron Fdrs.)

CONYNGHAM—*†Getting, J. D.

CORAOPOLIS—*†Duquesne Steel Foundry Co. (See Pittsburg, Pa.)
*Shamburg & Allen Machine Co.

CORRY—*†§Ajax Iron Works (Gas Engines, etc.)
*†Climax Mfg. Co. (Logging Locomotives & Cars, etc.)
*†Love Mfg. Co.
*Trill, W. L. (Engineers' Instruments)
*†U. S. Radiator & Boiler Co. (Boilers, Radiators, etc.), (See W. Newton, Pa.)

COUDERSPORT—*†§Currier-Kolth Mfg. Co. (Tools, etc.)

COWANESQUE—*†§Riepple, Jno. (Tools.

CRAFTON—*Fisher, J. J. & Co. etc.)

CREIGHTON—†Yost Bros.

CRESSON—*†§Cresson Fdry. Mach. & Car Co. (Mine Cars, Wheels & Railroad & Mine Castings, etc.). (See Ebensburg, Pa.)

CURWENSVILLE—*Robinson, T. J.

DALTON—*†§Dalton Supply Co.

DANVILLE—Brown, Will G. (Machinist)
*†§Danville Foundry & Machine Co. (Rolling Mill Mach'y, Engines, Grey Iron & Brass Castings, etc.)
†Danville Stove & Mfg. Co. (Stoves & Furnaces)

DAWSON—*†Dawson Foundry & Machine Co.

DELTA—*†§Robert, Richard, & Son
*Sidwell, C. W.

DICKSON CITY—†Early Foundry Co.

DRIFTON—*†§Lehigh Valley Coal Co.

DUBOIS—*†§DuBois Iron Works (Mining, Tannery & Saw Mill Machinery, Grey Iron Castings, etc.)
*†§Osborne Machine Co.

DUNBAR—†Dunbar Furnace Co. (Office Phila., Pa.)

DUNMORE—*†§Erie R. R. Shops

EAST BANGOR—*†East Bangor Mfg. Co. Castings & Specialties)

EAST BROOK—*Hinkson Bros. (Machinists)

EAST DOWNINGTON—*†Downington Mfg. Co. (Paper & Pulp Mill Machy., etc.)

EAST GREENVILLE—*†Haas, Harvey B.

EASTON—*§Easton Brass & Machine Works
*†§Easton Foundry & Machine Co. (Iron & Steel Construction, Special Machinery & Structural Machinery, Castings, etc.)
*Hobson & Co. (Agri. Implmts. & Mach'y)
*†INGERSOLL-RAND CO. (See New York City.)
*†Wilson Bros. (Bone Grinding Mach'y, etc.)
†Wilson, Jacob (Est. of)
*†Wilson Bros. (Bone Grinding Mills, Boilers, etc.)
†Wilson Stove & Mfg. Co. (Stoves, etc.)

EAST PITTSBURG—*§Pittsburg Meter Co. (Gas Meters, etc.)
*†§WESTINGHOUSE ELECTRIC & Mfg. Co. (See adv. index, end of book)
*†§Westinghouse Machine Co.

EAST STROUDSBURG—§Gilbert, I. B.
*†Stauffer, Geo. E. (Engines & Flour Mill Machinery, etc.)

EAST WATERFORD—*East Waterford Machine & Supply Co.

EBENSBURG—*†Cresson Fdry. Machine & Car Co. (Mine Cars, Wheels & Railroad Mine Castings, etc.)
*†§Ebensburg Foundry & Machine Co (Brown & Son, Props.)

ECKERT—*Sittler, Peter

EDDYSTONE — *†Belmont Iron Works. (See Phila., Pa.)
*†Eddystone Steel Works (See Burnham, Williams & Co., Philadelphia, Pa.
*†High Duty Saw & Tool Co. (Cold Saws, etc.)
Simpson, Wm., & Sons (See Philadelphia, Pa.)
*†Tindel-Morris Co. (Machine Tools, etc.)

ELIZABETHTOWN—*†Buch's A. Sons Co. (Lawn & Road Rollers, Fanning Mills, etc.)

ELIZABETHVILLE—*†§Swab Foundry Co. (Castings, etc.)

ELKLAND—*†§Bedell, Andrew S.

ELKLICK—*Haselbarth, C. R. & Son (Hardware, etc.)
*Improved Traction Engine Co. (Traction Engines, etc.)

ELLWOOD CITY—†§Ellwood Foundry Co.
*†Standard Engineering Co. (Rolling Mill, Sugar Mill Machinery & Grey Iron Castings)
*†Steel Car Forge Co. (See Pittsburg, Pa.)

ELYSBURG—†Deshay, D. H. (Farm Implements & Castings of All Kinds)

EMAUS—*†Donaldson Iron Co. (Cast Iron Pipe)

EMLENTON—*Sheffer, G. M.

EMPORIUM—*†§Emporium Machine Co.

EPHRATA—*†Ephrata Foundry & Machine Works

ERIE—*†Ball Engine Co. (Steam Engines, Machinery, Castings, etc.)
*Bay State Iron Works (Portable Engines, etc.)
*Brown Folding Machine Co. (Paper Folding Machines)
*Burke Electric Co. (Electric Motors, etc.)
*Bury Compressor Co. (Air Compressors, Vacuum Pumps, etc.)
*§Campbell, J. B. Brass Works (Brass Fdry. & Finisher & Plumbing Goods)
†Cascade Foundry Co. (Grey Iron Castings)
*Chapman, C. L. Cream Separator Works
*†Erie Car Works (Cars) (Dairy Machy)
*†Erie City Iron Works (Steam Engines, etc.)
*Erie Clutch & Pulley Co. (Pulleys, Hangers, etc.)
*†Erie Engine Works (Steam Engines, etc.)
*†Erie Foundry Co. (Steam Hammers, etc.)
*Erie Machine Shops (P. W. Dietley, Prop.)
*†Erie Malleable Iron Co. (Malleable & Grey Iron Castings)
*Erie Mfg. & Supply Co. (Steam Engines, Heaters, etc.)
*Erie Pump & Engine Co. (Engines & Pumping Machinery)

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*Erie Specialty Co. (Hdw. Specialties, etc.)
*§Erie Stamping & Mfg. Co. (Oil & Grease Cups, Brass Castings, etc.)
*Erie Tool Works (Common Tools, etc.)
§Erie White Metal Co. (Babbitt Metal, etc.)
†Eries Stove & Mfg. Co. (Stoves, etc.)
§German Bronze Co.
†Germer Stove Co. (Stoves, etc.)
*†Globe Iron Works
*Griffin Mfg. Co. (Builders' Hdw., etc.)
*†Griswold Mfg. Co. (Fine Light Castings, Gas Stoves, etc.)
*Harrington, John P. (Crank Shafts)
*§Hays Mfg. Co. (Iron & Brass Goods for Gas & Water)
*Heisler Locomotive Works (Geared Locomotives, etc.)
*§Hollands Mfg. Co. (Vises, Pipe Wrenches & Plumbers' Tools)
*Hydraulic Iron Works
*†§Jarecki Mfg. Co. (Iron & Brass Fdrs., Malleable & Grey Iron Steam Fittings & Oil & Gas Well Supplies, etc.)
§Keystone Brass Co. (Brass Fdrs. & Finishers)
*Lake City Engineering Co. (Pumping Machy. Marine Engines, etc.)
*Lake City Machine Shop (Herman Ey, †Lakeside Foundry Co. Prop.)
*Link, E. M. Machinery Co. (Saw Mill Machinery, etc.)
*Lovell Mfg. Co. (Clothes Wringers, etc.)
*Mayo Life Boat Co. (Life Boats, etc.)
*§Metric Metal Works (Gas Meters)
*Modern Tool Co. (Dies, Tools, etc.)
*†Morse Iron Works (Pipe Fittings, Grey & Malleable Iron Castings, etc.)
*†Nagle Engine & Boiler Works (Steam Engines, etc.)
†National Foundry Co. (Grey Iron & Steel Castings)
§Noyes Brass Works (Brass Fdrs.)
†Odin Stove Mfg. Co. (Gas Stoves, etc.)
†Patterson & Sterling (Hot Air Furnaces)
†Penna. Boiler Works
*Reed Mfg. Co. (Pipe Wrenches, etc.)
*Reifel Pump Works (Pumps, etc.)
*Sims Co. (Steam Specialties)
*†Skinner Engine Co. (Steam Engines, etc.)
*†South Erie Iron Works (Stoves & Ranges)
*Standard Saw Mill Machinery Co. (Saw Mill Machinery, etc.)
*Steiner, Martin (Tools, Emery Grinders, etc.)
*†Union Iron Works (Boilers, etc.)
*†Walker Foundry Co. (Grey Iron Castings)
*Watson, N. A. (Boiler Injectors, etc.)
*Williams Tool Co. (Pipe Threading & Bolt Cutting Machines, etc.)

ETNA—§Roessing Bronze Co. (Brass & Bronze Fdrs., etc.)
*Spang, Chalfant & Co. (Works Contains Two Machine Shops). (Office, Pittsburg, Pa.)

EVERETT—†Pettigrew, Wm.

FORD CITY—*†§Fischer Foundry & Machine Co. (Rolling Mill & Special Machinery, Castings, etc.)
*†§Pittsburg Plate Glass Co. (See Pittsburg, Pa.)

FRANKLIN—†American Steel Foundries (Steel Castings)
*†Chicago Pneumatic Tool Co. (See Chicago, Ill.)
*†Colburn Machine Tool Co. (Boring & Turning Mills, Saw Arbors, etc.)
*Dale Engine & Supply Co. (Gas Engines)
*†Emery, W. N. & Son (Iron Fdrs. & Machinists)
*Franklin Motor Co. (Gas Engines)
*Franklin Portable Crane & Hoist Co. (Portable Cranes & Hoists)
*§Franklin Railway Supply Co. (Conduits, Lubricators & Railroad Supplies)
*§Hough, Chas. N. Mfg. Co. (Brass Fdrs. & Finishers, etc.)
*†Producers' Supply Co. (Oil Well Supplies)
*Lane, D. T., & Sons
*Sheridan, Jas. & Sons
*†§Venango Mfg. Co. (Railway Specialties)
*Vogan, J. P. (Sucker Rods, etc.)

FREEBURG—Harmon & Moyer

FREEMANSBURG — *†§Hardware & Woodenware Co. (Iron Toys & Iron & Brass Castings, etc.) (See New York)
*†Shimer, Wm. Son & Co. (Iron Fdrs. & Hardware Specialties)

FULLERTON—†Dent Hardware Co. (Refrigerator Trimmings, etc.)
†Lehigh Car Wheel & Axle Works
*†Lehigh Foundry Co. (Light & Heavy Grey Iron Castings, Rubbing Beds, etc.)

GIBRALTAR—*†Gibraltar Iron Works.

GIRARD—*Ely, Theo. J., Mfg. Co. (Hardware Specialties)
*Girard Wrench Mfg. Co.
*†Lake Erie Foundry Co.

GLASSPORT—*American Axe & Tool Co.
*†Pittsburg Steel Foundry (See Pittsburg, Pa.)

GLEN ROCK—*†Norrish, Burnham & Co. (Machinists & Fdrs.)

GRANT—†Cherry Tree Iron Works (Inc.)

GREENCASTLE—*†Geiser Mfg. Co. (See Waynesboro)
*Walk, Henry S. (Agrl. Implts.)

GREENMOUNT—*Null, Geo. W.

GREEN PARK—†Rheems & Bro. (Iron Fdrs.)

GREENSBORO—†Pennington, T. F.

GREENSBURG—†Brown-Ketcham Iron Works (See Indianapolis, Ind.)
*†§Hempfield Foundry (Mine Cars, Wheels,
*Henry & Sheffler Machine Co. etc.)
*†§Kelly & Jones Co. (See Pittsburg Pa.)

GREENVILLE—*†§Hodge Mfg. Co. (Iron Fdrs. & Machinists)

GROVE CITY—†Bessemer Foundry Co. (Grey Iron Castings)
*†Bessemer Gas Engine Co. (Gas Engines)
*Carrouthers-Fithian Clutch Co. (Clutches,
§Imperial Co. etc.)

GROVER—*Elmira Machine Works

GROVETON—*†Lewis Foundry & Machine Co. (See Pittsburg)

HAMBURG—†Confer, Smith & Co.
Hamburg Mfg. Co. (Chain Hoists, etc.)
*†Keiser, Francis (Radiators, etc.)
*†Loose, Sami. A. & Son (Plows, etc.)
*†Neiman & Saul
*Snell & Meharg (Machinists)

HANOVER—*Bingly, John J.
*†Fitz Water Wheel Co. (Water Wheels)
*Flickinger Bros.
*Flickinger, John D.
*Hanover Plow Handle Co.
†Heindel Foundry Co.
*†§Heindel Mfg. Co. (Special Machinery & Grey Iron Castings)

HARMONY—*†Flowers, A. U.

HARRISBURG—*Bailey, Chas. L. & Co. (Inc.) (Machine Shop for Company's Own Use)
*†Boll Bros. Mfg. Co. (Iron & Brass Bed-
†Central Iron & Steel Co. steads)
*†Cooper, E. N., & Co.
*Elliott-Fisher Co. (Book Typewriters & Billing Machines)
*†Harrisburg Foundry & Mach. Works (Steam Engines, etc.)
*†Harrisburg Mfg. & Boiler Co.
*Harrisburg Pipe & Pipe Bending Co. (Pipe & Coil)
*Harrisburg Roll Grinding & Corrugating Co.
*Harrisburg Rolling Mill Co. (Machine Shop for Repairs)
*†§Hickok, W. O. Mfg. Co. (Bookbinders' Machy, Iron & Brass Fdrs., Sash Weights, etc.)
†Lalance & Grosjean Mfg. Co. (See New
*McKillips, Alexander York City)

HAZLETON—*Anthracite Separator Co.
*Harleigh Iron Works
*†§Hazleton Iron Works Co. (Fdrs. & Machinists)
*†§Jeansville Iron Works Co. (Steam Pumps, etc.)
*Schmauch, Henry (Machinist)

HOKENDAUQUA—†Thomas Iron Co.

HOLLIDAYSBURG — *†§McLanahan Stone Machine Co. (Iron Fdrs. & Stone Working Machinery, etc.)

HOMER CITY—*Nix Machine Works (Machinists, etc.)

HOMESTEAD—*†Carnegie Steel Co. (Fdry. Dept.) (See Pittsburg)
*Homestead Iron Works
*†§Homestead Valve Mfg. Co. (Valves & Steam Goods, Iron & Brass Fdrs.)
*Lawson Mfg. Co. (Gas Burners & Water Heaters)
*†§Mesta Machine Co. (Rolling Mill Machinery & Castings, etc.) (See Pittsburg)
*†National Car Wheel Co. (See Allegheny,

HONESDALE—*Gibbs, Chas. E. Pa.
*†§National Elevator & Machine Co. (Elevators, etc.)

HOOVERSVILLE—*Crissey, Elias

HOPEWELL—*†§Simon Bros.

HUGHESVILLE—*†§Snowden Bros.

HUNTINGDON—*†§Gerloch, H. W.

HYDE PARK—*Hyde Park Fdry. & Mach. Co. Rolling Mill Mach'y & Castings)

IDLEWOOD—*†Snodgrass Mfg. Co. (Gas Stoves, etc.)

INDIANA—*†Clymer Mfg. Co. (Tuyere Irons, etc.)
*†§Indiana Foundry Co. (Feed Cutters, etc.)

IRWIN—*†Irwin Foundry & Mine Car Co.
*Penn Electrical & Mfg. Co.

IVYLAND—*Hobensack Bros.

JEANNETTE—*†§Clifford-Cappell Fan Co.
*Jeannette Machine Co.
*§Pittsburg Lamp, Brass & Glass Co. (See Pittsburg, Pa.)

JERSEY SHORE—*§American Balance Valve Co.
*†Trump, F. & E. (Iron Fdrs. Machinists)

JOHNSONBURG—*†§Johnsonburg Machine Co.

JOHNSTOWN—*†Cambria Steel Co. (Founders, Machinists & Steel Mfrs.) (See Phila., Pa.)
*†Century Stove & Mfg. Co. (Stoves, etc.)
*§Flood City Mfg. Co. (Brass Castings, etc.)
†Globe Iron & Fdry. Co.
*†Lorain Steel Co. (See Phila., Pa.)
*†National Radiator Co. (Radiators, etc.)
*Smith, W. E. (Machinist)
*†§Suppes Forge & Foundry Co. (Iron & Brass Castings, Mining Machinery & Mine Cars)
*†Union Radiator Co. (Radiators, etc.)

KANE—*Kane Supply Co. (Machinists)
*United Mfg. Co. (Saws & Saw Teeth)

KENNETT SQUARE—*†American Road Machine Co. (Road Making Machy, etc.)
*Good Roads Machinery Co. (Road Making Machy.)
*†§Kennett Foundry & Machine Co.

KIMBERTON—*†Snyder, Wm. R.

KINGSTON — *†Kingston Mfg. Co. (A. J. Roat, Prop.)

KITTANNING—*†Hoey & Gallagher Fdy. & Machine Co., Ltd.
*†§Kittanning Iron & Steel Mfg Co.
*Kittanning Plate Glass Co. (Fdry. Dept.)
†McCulloch, Jas., Jr., (Iron Fdry, etc.)
*Pittsburg Writing Machine Co. (Typewriters, etc.)

KNOX—*Corlett & Co. (Machinists)

KUTZTOWN—*†KUTZTOWN FDRY. & Machine Co. (See Philadelphia, Pa.) (See adv. index, end of book)

LACEYVILLE—Edwards Mfg. Co. (Log Turn-
*Vandervoort, John ers, etc.)

LANCASTER—*Anderson, Thos. A.
*†§Barry & Zecher Co.
*†Blickenderfer, Richard (Turbine Water Wheels & Grey Iron Castings)
*Bowman's, Ezra F. Sons (Watchmakers' Tools, etc.)
*Calder, Geo. H. (Emery Wheel Dressers)
†Carlton Steel Casting Co.
*Central Machine Works (Engines, etc.)
*†Champion Blower & Forge Co. (Iron Fdrs., Blowers, Portable Forges, etc.)
*Dellinger, A. M. (Machines)
*Fidelity Electric Co. (Electric Motors & Fans)
*†Fraim, Edw. T. Lock Co. (Locks, Castings, etc.)
*Hamilton Watch Co. (Watches, etc.)
*†§Hubley Mfg. Co. (Light Grey Iron Castings, Brass Pattern Work, etc.)
†Independent Foundry Co. (Cast Iron Soil Pipe)
*Koch, Alfred S. (Jewelers' Tools, etc.)
*Kreider Machine Co. (Machinists)
*†Lancaster Machine & Structural Works
*Lancaster Peerless Emery Wheel Co. (Emery Wheels & Grinders, etc.)
*†Martin, Henry Brick Machine Mfg. Co. (Brick Machy, etc.)
*†Martin, Wm. R. (Cement Machy., etc.)
*National Safety Fifth Wheel Co. (Fifth Wheels, etc.)
*Nolty & Co. (Locomotive Sanders)
*Potts, D. H. (Portable Forges, etc.)
*Rote, A. B. & Co. (Bldrs.' Iron Work, etc.)
*Royal Mfg. Co. (Hand Power Machinery, etc.)
§Safe Padlock & Hardware Co. (Shelf Hdwe. & Brass Castings)
*§Slaymaker, S. R. (Car, Ship & Builders' Hardware, etc.)
*Stehman & Swan Mfg. Co. (Watchmakers' Tools, etc.)
*Vondersmith, Henry M.
*Weichaus, Albert C. (Elevators, etc.)

LANDISVILLE—*Minnich Machine Works (Baling Presses, etc.)
*†Monitor Steam Generator Mfg. Co. (Heating Apparatus & Castings)

LANESBORO—*†Barnes Mfg. Co. (Machinists, etc.)

LANSDALE—*†Central Radiator Co. (See New York City)
†Cox, Abram Stove Co. (Stoves, etc.) (See Philadelphia, Pa.)

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†§Heebner & Sons (Agrl. Implts., Grey Iron & Brass Castings)
*†§Krupp Foundry Co.
†Specialty Mfg. Co. (Door Knobs, etc.)
LANSDOWNE—†Crucible Steel Casting Co.
*Foulds Machine Co. Steel Castings)
LATROBE — *†Gilligan, Jno. (Iron Fdry. & Machinist)
LATTIMER MINES—*†§Lattimer Fdry. & Machine Co.
LEBANON—*†§American Iron & Steel Mfg. Co. (Grey Iron & Brass Castings & Machine Shops)
*Buchanan Fdy. Co. (Iron Fdrs.)
*†Frick, Horace E., Co. (See New York City)
*Fry, Edward G.
*†Lebanon Chain Works (Chains)
†Lebanon Stove Co. (Stoves)
*†Lebanon Steel Casting Co. (Crucible Steel Castings)
*Louden Machine Works
*†§North Lebanon Foundry Co.
*Novelty Machine & Repair Shop.
*Parthemore, J.
†§Ream Foundry
*†Treadwell, M. H. & Co.
*Union Boiler & Mfg. Co.
†§Washington St. Brass & Iron Fdry Co.
*†§Weimer Machine Works Co. (Rolling Mill & Blast Furnace Machinery, etc.)
*Yeagley, Franklin C.
LEETSDALE—*Tate, Jones & Co.
LEIGHTON—†Carbon Iron Works.
†Crescent Stove & Mfg. Co. (Stoves, etc.)
†Lehigh Stove & Mfg. Co. (Stoves, etc.)
LEMOYNE—*Lemoyne Bicycle & Machine Co.
LEOLA—*Leola Machine Co.
LEONA—Ely, E. C. Co. (Hdwe. Specialties, etc.)
LERAYSVILLE—†Bailey, E. Martin (Iron Fdry. & Plows, etc.)
LEWISBURG—†New Central Foundry Co.
LEWISTOWN—*†§Lewistown Fdry. & Machine Co.
*Mann, Jas. H. (Est. of) (Tools, Axes, etc.)
*Mann Edge Tool Co. (Edge Tools, Axes, etc.)
*†Mount Rock Foundry & Machine Co.
LIMESTONEVILLE—*Gibson, H. W.
LINESVILLE—*Van Slyke, F. J.
LINFIELD—*†Mitchell & Van Meter Co. (See Philadelphia)
LITTLE OLEY—*†Colebrookdale Iron Co.
LOCKHAVEN—†Noverty Iron Works
LOCUST VALLEY—*†Morey, Eugene A.
LUZERNE—*†Luzerne Foundry & Machine Co. (Mine Drills, etc.)
Snyder, J. T. (Mine Drills, etc.)
McDONALD—*Rank, H. W. (Oil & Gas Well Machy)
*Tillinghast, B. D. (Machinist)
McEWENSVILLE—†Gearhart, Wm. L. & Son
McKEESPORT—†Fort Pitt Steel Casting Co. (Steel Castings)
*†Monon & Yough Foundry
*†§National Tube Co. (Fdry. Dept.) (See Pittsburg)
*†Sheermesser, H. S.
*Smith, Nimmo & Co. (Ornamental Iron Work)
*Tube City Engineering & Machine Co.
McKEES ROCKS—†Central Car Wheel Co. (Car Wheels, etc.) (See Pittsburg, Pa.)
§†Fort Pitt Malleable Iron Co.
*Fort Pitt Spring & Mfg. Co. (See Pittsburg, Pa.)
*McKay, Jas. Co. (Chains, etc.). (See Pittsburg)
*†Penna. Malleable Co. (See Pittsburg)
†Pittsburg Pipe & Iron Co.
*†Pressed Steel Car Co. (See Pittsburg)
*†Taylor-Wilson Mfg. Co. (Iron Founders, Pipe, Mill & Special Machy., Machine Moulded Gears, etc.)
McVEYTOWN—*†Stine, Samuel R.
MACUNGIE—†Herbst & Angeney Co.
*§Macungie Brass & Mfg. Co.
*§Neumeyer Bros. (Brass Fdry. & Nozzles & Couplings)
MAHANOY CITY—*†§Grant Iron Works (Steam Engines & Pumps, Car Wheels, etc.)
MANHEIM—*†Bond Fdry. & Mach. Co. (Power Transmitting Machinery)
*†Hershey Machine & Foundry Co.
MARIETTA—†Marietta Casting Co. (Iron Fdrs)
†Marietta Hollow Ware & Enameling Co.
MARS—*Sheridan, Jno. J. & Co. (Machinists & Drilling Tools)
MARTINSBURG—*†Morrison's Cove Mfg. Co. (Agrl. Implements, etc.)
MAUCH CHUNK—*†§Stroh, W. H. (Est. of) (Mining Mach'y & Castings)
MEADVILLE—*Barrett Machine Tools Co. (Machine Tools, etc.)
*Champion Tool Co. (Blacksmiths' Tools)
*Dowdell, H. (Machinist)
§Erie R. R. Shops
*Lord, L. L. Co. (Machinists)
*McCroskey Reamer Co. (Inc.) (Chucks, Reamers, etc.)
*McNair, M. H. (Machinist)
†Meadville Malleable Iron Co (R, R. & Other Castings)
*Munhall Mfg. Co. (Machinists)
*†Page, W. H. Boiler Co. (Heaters, etc.), (Office New York City)
*†Phoenix Iron Works Co. (Steam Engines, etc.)
*Uwanta Wrench Co. (Wrenches, etc.)
*Yost, G. M. Mfg. Co. (Vises, etc.).
MECHANICSBURG—†Comstock, Geo. S. (Mill, Mining & Farm Machinery)
*Potts Mfg. Co. (Machinists, etc.)
*Wilcox, D. Mfg. Co. (Carriage Hdwe., etc.)
MEDIA—*Wood, Wm. H. (Special Machy.), etc.)
MERCER—†Reznor Mfg. Co. (Gas Stoves, etc.)
MEYERSDALE—†Boucher. Milton H. (Iron
*†Miller, Wm. S. (Machinist) Founder)
MIDDLETOWN—*†King Lawson Car Co. (Cars)
*†§Middletown Car Works (Cars & Castings)
*†National Tube Co. (See Pittsburg)
*†Raymond Mfg. Co. (Stoves, etc.)
MIDLAND—*†Adams, S. Jarvis, Co. (Axle Boxes, Brake Shoes, Iron Fdrs., etc.)
MIFFLINBURG—†Albright, Jas. H. & Sons (Agrl. Implts., Cultivators, Harrows, Rakes, etc.)
MILFORD SQUARE—*Weisel, Harvey H.
MILLERSBURG—*Brubaker, W. L. & Bros. (Stocks, Dies, Taps, etc.)
*Lenker, Frank K. & Co. (Stave Machy, etc.)
*Millersburg Fifth Wheel Co. (Fifth Wheels, etc.)
*Polk, A. J. & Son (Screw Plates, Taps, Dies, Reamers, etc.)
MILLHEIM—*†Hartman, J. H. B. & Co.
MILTON—*†American Car & Foundry Co. (See St. Louis, Mo.)
*Milton Mfg. Co. (Nuts, Washers, etc.)
*†§Shimer, Saml. J. & Sons (Ettinger Cutter Heads, etc.)
MONACA—*†United States Sanitary Mfg. Co. (See Pittsburg, Pa.)
MONESSEN—*†§Monessen Fdry. & Machine Co.
*Page Woven Wire Fence Co. (Machine Shop for Company's Own Use)
*Seamless Tube Co. of America (Machine Shop for Own Use) (Office, Pittsburg, Pa.)
MONONGAHELA—*†Coshocton Iron Co. (Iron Castings, etc.)
*Herron-Webb Engineering Co. (Mine Ventilating Fans, etc.)
*Liggett Spring & Axle Co. (Carriage Axles & Springs, etc.) (See Pittsburg, Pa.)
*†Monongahela Castings Co. (Grey Iron Castings)
MONROETON—*†§Loetzer Valve & Mfg. Co. (Valves, Fire Hydrants, etc.)
MONT CLARE—†Hallman, Oliver (Cast Iron Pipe Fittings)
MONTGOMERY—*†American Woodworking Machinery Co. (Woodworking Mach'y). (See Rochester, N. Y.)
MONTROSE—*†Beach Mfg. Co. (Woodworking Machinery)
MOSCOW—†Schwartz, Philip
MOUNT CARMEL—*†§Mount Carmel Iron Works (Coal Mining Machinery, etc.)
MOUNT JOY—*†§Grey Iron Casting Co. (Light & Heavy Castings)
*Rollman Mfg. Co. (Iron Novelties)
MOUNT PLEASANT—*Mount Pleasant Tool Co. (Tools, etc.)
MOUNTVILLE—*†Mountville Mfg. Co. (Agl. Implts., Plows, Planters, Corn Shellers, etc.)
MUNCY—†Artley, John (Agrl. Implts.)
*Guyer, Clinton (Machinist)
*†Robinson Mfg. Co. (Flour Mill Machy.)
*†Sprout, Waldron & Co. (Flour Mill Machy, etc.)
MYERSTOWN—†Dubble & Zinn
*Myers, E. H., & Bros (Machinists)
*†Painter, Jos. & Sons
*†Stoever Fdry. & Mfg. Co. (Pipe Cutting & Threading Machines, Heavy Castings, etc.)
NANTICOKE—*Bittenbender, W. W. & Co. (Machinists & Mine Drills)
NAZARETH—*†Emerich, Geo. R. (Cement Machinery)
NEW BRIGHTON—§Brighton Brass & Bronze Co. (Brass & Bronze Fdrs.) (See Pittsburg, Pa.)
†Calhoun, J. S. & R. E.
*Damascus Crucible Steel Casting Co.
*Leard, W. E. (Engines, etc.)
*Pittsburg Machine Co. (Gas or Gasoline Engines)
§Riedel & Sons Mfg. Co.
*†Standard Sanitary Mfg. Co. (See Pittsburg, Pa.)
*Townsend, C. C. & E. P. Co. (Wire Rivets, Nails, etc.)
NEW CASTLE—*§American Car & Ship-Hardware Co. (Brass Car Trimmings & Castings)
*†Douds, Frank C., & Co. (Steam Specialties, Castings, etc.)
*New Castle Forge & Bolt Co.
*†Penna Engineering Works (Rolling Mill Mach'y. & Castings)
†Stove & Range Co. of Pittsburg
NEWHAVEN—*†Connellsville Iron Works (Boilers, Tanks, etc.)
*Connellsville Mfg. & Mine Supply Co. (See Connellsville, Pa.)
†Long, David (Iron Fdry.)
NEW HOLLAND—*†New Holland Machine Co.
NEW KENSINGTON—*†Aluminum Co. of America. (Office Pittsburg)
§Aluminum Cooking Utensil Co.
*Fort Pitt Motor Mfg. Co. (Automobiles, etc.)
*†§Harrold Foundry & Machine Co.
NEW OXFORD — *†Weaver Mfg. Co. (Feed Cutters, etc.)
NEWPORT—†Juniata Furnace & Foundry Co. (See Phila., Pa.)
NEWSIDE—*†Peter, F. N., & Bro. (Iron Railings, etc.)
NEWVILLE—*Whistler, J. C.
NORRISTOWN—*†Fowler & Wolfe Mfg. Co. (Radiators). (See Phila., Pa.)
*†Haines, Jones & Cadbury Co. (See Philadelphia, Pa.)
*†Newbold, R. S. & Son Co. (Rolling Mill Machy. & Castings, etc.)
*Reading Screw Co. (Screws & Specialties)
*†§Rittenhouse, C. & Sons (Tack Machy, etc.)
*Rittenhouse, Frank (Confectioners' & Tack
*Rittenhouse, Wm. H. Machy., etc.)
*Walton & Ball
*†§Wildman Mfg. Co. (Knitting Machines, etc.)
NORTH EAST — *§Eureka Tempered Copper Works (Commutators, etc.)
*†Fernald Mfg. Co. (Hardware & Harness Specialties)
NORTH GIRARD—*Federal Electric Co. (Electric Generators, Motors, etc.)
NORTHUMBERLAND — *Keystone Forging Co. (Fifth Wheels, etc.)
NORTH WALES—†North Wales Foundry Co. (Stoves, etc.)
*†North Wales Machine Co. (Machine Tools)
OAKHALL STATION—*†Sellers, Edward (Corn Planters, Feed Cutters & Land Rollers)
OGONTZ—*Hammond, C. & Son. (Edge Tools, Hammers, Sledges, etc.)
OIL CITY—*Boardman, Robt. Co. (Oil & Gas Well Tools, etc.)
*Condrin, Wm. (Machinist)
*Logan, A. W. (Engines, etc.)
*Logan, Robt. (Engines & Oil Well Supplies)
*†§National Transit Co. (Steel, Brass, Bronze & Iron Castings, etc., all consumed by the company)
*†Oil City Boiler Works (Steam & Gas Engines, etc.)
†Oil City Foundry Co.
*†§Oil Well Supply Co. (See Pittsburg, Pa.)
*†§Reid, Jos. Gas Engine Co. (Gas Engines, etc.)
*Riverside Engine Co. (Gas Engines, etc.)
*Simon, August (Machinist)
ORANGEVILLE—†Connor, J. W.
ORBISONIA—*†§East Broadtop R. R. & Coal Co.
OSCEOLA MILLS—*†§Stine, S. B. (Mine Fans, Haulage, Engines, etc.)
PALMYRA—*Stahley, Wm.
PARKESBURG—*Parkesburg Iron Co. (Machine Shop Connected with Works)
PATTON—*Cole Bros. (Machinists)
PENN STATION—†American Fdry. & Pipe Co. (See Pittsburg, Pa.)
*†Hockensmith Wheel & Mine Car Co.
PERKASIE—*Kramer, Wm. K.

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PETROLEUM CENTER—*Bets, W. L.
PETROLIA—*Berry Bros.
PHILADELPHIA—†Adams, Wm., Fdry. Co. (Iron Fdrs., Builders' & Other Castings, etc.), 960 N. 9th
§Adams & Westlake Co., 2042 N 10th. (See Chicago, Ill.)
§Ajax Metal Co. (Brass Fdrs., Smelters & Bearings, etc.), 48 Richmond
*Albro-Clem Elevator Co. (Elevators), 7th & Glenwood av
*Allen, Alonzo W. (Machinist), 2423 Mascher
*Allen, A. & Co. (Machinists), 2001 Carpenter
*Allen Iron & Steel Co., 3rd & Venango
*†Allen, S. L. & Co. (Agrl. Implts.), 1107 Market
*Altemus, Jacob K. (Textile Machy.), 2824 N 4th
*American Addograph Co. (Inc.), 525 Phila. Bourse, Factory, Camden, N. J.
*†§American Bridge Co. of New York (Pencoyd Works), Penn. bldg.
*†American Drying Machinery Co., 3301 N 19th
*†American Fork & Hoe Co. Ashland nr Fkd. Creek, Fkd. (See Cleveland, O.)
*American Insulating Machinery Co. (Wire Winding Machy., etc.), Oxford cor. N. Hancock
*American Metal Edge Box Co., 2115 S 8th
*American Metal Works, 326 Armat, Gtn
§American Meter Co., 100 N 22d
*†American Pulley Co. (Pulleys, Bushings, etc.), N 29th & Bristol
*Atlantic Works (Inc.) (Woodworking Machinery), 2821 Oakford
*Baeuerle & Morris (Sugar Machinery), 932 N. Front
*Bagshaw & Field (Machine Tools), 317 Cherry
*†Baizley, Jno. Iron Works (Builders' Iron Work & Castings), 514 S Del. av
*†Baldwin Locomotive Works (Locomotive Builders), 500 N Broad
*Barber & Furner (Machinists), 429 N Orianna
*†Barker, Jas. (Iron Foundry, Cotton & Woolen Mach'y & Grey Iron Castings), N 6th & Cayuga
*Barnett, G. & H. Co. (Files, etc.), 1076 Fkd av
§Belfield, H. & Co. (Brass Fdrs., Steam Specialties, etc.), 435 N Broad
*†Bellwood Mfg. Co. (Iron Fdrs. & Machinists), Penn Sq bldg. Works, Bellwood, Pa.
†Belmont Iron Works, Real Estate Trust bldg
*†Bement Miles Pond Co., 21st, c. Callowhill. (See Niles, Bement, Pond Co.)
*†Bernstein Mfg. Co. (Metallic Bedsteads, Grey Iron Castings, etc.), 3rd & Allegheny av
†Biggin, Chas. P., Co. (Iron Fdrs. & Bldrs. Iron Work), 1829 Harlin
*Bilgram, Hugo (Gears & Gear Cutting), 1235 Spring Garden
*Billington, Jas. H. Co. (Textile Machy.), 113 Chestnut
§Bircher, Geo. (Brass Fdr., etc.), 716 Cherry
*Blessing, C. A. (Plumbing Specialties, etc.), 516 Montgomery av
*Boekel, Wm. & Co. (Metal Spinning, Force & Test Pumps, etc.), 518 Vine
*Bonney Vise & Tool Works (Inc.), 3015 Chestnut
*Borchers, Richard C. & Co. (Textile Machinery), Womrath & Tackawanna
*Borger, Jos. (Butchers' Tools, etc.), 2035 N 2d
Boureau, H. U., & Co. (Builders' Iron Works, etc.), 3302 Ludlow
*Bourquin & Sons, 445 N 5th
*Box, Alfred & Co. (Cranes, Hoists, etc.), 813 N Front
*Bradford Wool Comb Co., 2630 Mascher
*Branson Machine Co. (Textile Mach'y), 506 N American
*†Braun, Jno. & Sons (Lawn Mowers, etc.), 1615 N 23d
*Brenner, Jos., 2d c Diamond
*Brewer Bros. (Bldrs.' Hdw., etc.), 614 Filbert
*§Bridgman Bros. Co. (Valves, Fittings, Brass Castings, etc.), 1422 Wash'n av
*§Brill, J. G. Co. (Car Builders, etc.), S 62d & Woodland av
*Brinton, H Co. (Knitting Machy.), 213 Race
*Brohard Co. (Hardware Specialties, etc.), 1624 N 9th
†Brown, E. E. & Co. (Iron Fdrs. & Mfrs. of Sash Weights & Specialties), McKean & Meadow
*Brown, Frank P. (Gas Fixtures & Supplies), 45 N 6th
§Buckley, Walter F., 627 Filbert
*Bullock, Chas. K. (Flour Mill Machy.), 1361 Ridge av
*§Bureau Bros. (Bronze & Brass Fdrs. & Statuary, etc.), N 21st & Allegheny av
*†§Butterworth, H. W. & Sons Co. (Textile Machy.), E York & Cedar
*†Cambria Steel Co. (Steel Cars, Engine & Tender Trucks, etc.), Arcade bldg. Works, Johnstown, Pa.
*†Camden Iron Works (Fdrs., Machinists & Pumping Machy), 400 Chestnut. Works, Camden, N. J.
*Campbell, P. F. (Millwright & Machinist, Steam Engines, Grinding Mills, etc.), 51 Laurel
*Carnell, Geo. (Est. of) (Brick Machinery), 1819 N 6th
*Carr, Jos., Co. (Special Machy. & Optical Grinding Tools), 132 N 7th
*Carver, C. R. Co. (Embossing & Stamping Presses, etc.), N 15th & Lehigh av
§Carver, F. C., Co. (Brass & Bronze Castings, etc.), 458 N. Orianna
*Carver File Co., 3233 Franklin av
§Caskey, Wm. & Son (Brass Fdrs. etc.), Beach & E Norris
*Central Machine Co. (Machinists), 732 Sansom
*Challenge Machine Co. (Emery & Tool Grinders, etc.), 5116 Springfield av
*†§Chambers Bros. Co. (Brick & Paper Folding Machinery, etc.), N 52d & Lancaster av
*Champion Candy Machine Co. (Confectioners' Machy.), 3311 Old York rd
*†Chester Steel Castings Co. (Open Hearth Steel Castings), 407 Sansom
*Chesterman, F. E. & Co. (Metal Specialties, etc.), 127 N 7th
*Clad, V. & Sons (Inc.) (Cooking Apparatus, French Ranges, etc.), 239 S 12th
†Clark's Iron Foundry (Grey Iron Castings), Gray's Ferry av c S 35th
§Clay, John H. (Brass Finisher & Fire Dept. Supplies, etc.), 1320 Ridge av
*Cocker Machinery Co., 4043 Paul, Fkd
*Coles Mfg. Co. (Grinding Mills, etc.), 1615 N 23d
*Colladay, Jos. O. Co. (Woodworking Machinery), 624 Race
*Cook, Stephen S. (Machinist), 624 Race
*Cooper, Dyer (Machinst & Pumps), 614 N 3d
§Cooper, W. S. Brass Works (Brass Fdrs. & Finishers, Plumbing Goods), 437 N 12th
*†Cox, Abram Stove Co. (Stoves & Heating Apparatus), N American c Dauphin
*†Cox & Sons (Inc.) (Steam Engines & Pipe Cutting & Threading Machines), 215 Race. Works, Bridgeton, N. J.
*Coyle, H. B. Iron Works, 622 Filbert
*†§Cramp, Wm. & Sons Ship & Engine Building Co. (Steel Ships, Marine Engines, etc.), 546 Phila. Bourse
§Crescent Phosphorized Metal Co. (Phosphor Bronze, Copper & Tin), 2314 Wood
*†§Cresson, Geo. V. Co. (Power Transmission Mach'y, etc.), 18th & Allegheny av
*†Creswell, Saml. J. Iron Wks. (Inc.) (Iron Fdrs. & Bldrs.' Iron Work), Cherry & N 23d
*†Crompton & Knowles Loom Works (See Worcester, Mass.)
*DALLETT, THOS. H. CO. (Pneumatic Tools, etc.), 2300 York. (See adv. index, end of book)
*DAVIS, RODNEY (Gears), 626 Race. (See adv. index, end of book)
*Defiance Mfg. Co., 4158 Frankford av
†Deily & Fowler Mfg. Co. (Gas Tanks etc.), 39 Laurel
*Deissler, P. & Bro. (Machinists), 249 S 6th
*†§Devlin, Thos. Mfg. Co. (Malleable & Grey Iron & Brass Fdrs., Malleable Iron Fittings & Carriage & Saddlery Hardware, etc.), N 3d & Lehigh av
*Dewees, Jno. W. (Machinist), 640 Filbert
*Diamond Textile Machine Works (Textile Machy, etc.), C, nr E Westmoreland
*†Dienelt & Eisenhardt (Inc.) (Iron Fdrs.' Hydraulic Jacks, Power Hammers, etc.), 1304 N Howard
*Dietz Machine Works (Envelope, Cigarette & Match Box Machy), 126 Fontain
*Dill, T. C. Machine Co. (Machine Tools & Slotting Machines, etc.), Somerset & Ma'cher
†Diller, Caskey & Keen (Stoves), N 6th c Berks
*†Disston, Henry & Sons (Inc.) (Saws, Tools, etc.), Tacony & N Front, c Laurel
*†Dodge, J. M., Co. (Elevating & Conveying Machinery, etc.), McKean av c Napier, Gtn
*Dunn, Robert N., 1850 Hope
§Dunn & Eldrige (Brass & Bronze Hdwe, etc.), 6 N. 6th
*Earle Gear & Machine Co. (Cut ,Gears, etc.), Stenton & Wyoming av., Gtn
*†Elba Iron Mfg. Co., Perry bldg.
*Electric Storage Battery Co. (Storage Batteries, etc.), N. 19th & Allegheny av
*§Ellis, G. D., & Sons Co. (Brass Specialties, etc.), 229 Vine
*Ellison Bros. (Machine Tools, etc.), Scattergood, nr Eadom, Fkd
*Energy Elevator Co. (Elevators), 214 New
*†Enterprise Mfg. Co. of Pa. (Meat Choppers, Lawn Mowers & Sprinklers, & Hdw. Specialties, etc.), N 3d & Dauphin
*Espen-Lucas Machine Works (Machine Tools, Cold Saws, etc.), 342 N. 15th
*Evan's, Jno. Sons (Car & Carriage Spring & Leather Machy), 506 N 13th
§Evans, S. W. & Son (Brass Goods), 4623 Paul, Fkd
§Excelsior Brass Works, 1517 Spring
*§Eynon-Evans Mfg. Co. (Engineers' Specialties & Brass Composition Castings), 1509 Clearfield
†Fairmount Foundry Co., 2106 Wood
*†Fay Machine Tool Co. (Machine Tools, etc.), 2d & Glenwood av
*Fischer Machine Co. (Paper Bag & Special Machy.), 1217 Race
*†Flagg, Stanley G. & Co. (Iron & Steel Fdrs., Steam Pipe Fittings), 424 N 19th
*†Florence Iron Works (Iron Fdrs. & Machinists), 400 Chestnut. Works, Florence, N. J.
*§Ford Bros. & Co. (Machinists & Brass Fdrs.), 1610 S. Front
†Ford & Kendig Co. (Iron Pipe, etc.), 1428 Callowhill
*†Fowler & Wolfe Mfg. Co. (Radiators, etc.), Bourse bldg. Works, Norristown, Pa.
*§France Packing Co., Inc. (Metallic Packing, etc.), 6512 State rd. Tac.
*†Frankford Foundry & Machine Works (Power Presses, Edge Tool Machinery, etc.), Fkd
§Fullerton, Frank S. (Brass Fdry. & Smelter), 438 E Girard av
*§Furlow & Co. (Plumbers' Brass Goods, etc.), 2020 E. Willard
†Gaumer, John L., Co. (Bldrs. Iron Work, etc.), 22d c Wood
*Gefrorer, C. & Son (Gas Burners & Brass Goods), 248 N 6th
*General Engineering Co. (Machy. Repairs, etc.), 764 Swanson
†Gensel, Fred., & Co. (Iron Railings, etc.), 911 Vine
*Genth, Chas. H. (Machinist), 2007 Oxford
*Germantown Tool Works (Tools, etc.), 57 Armat, Gtn
*Gibson Gas Fixture Works, 1426 Callowhill
†Girard Iron Works (Iron Fdrs. & Machinists, Brewers' Machy. Castings, etc.), N 22d & Master
*Girard Machine & Tool Co. (Machy & Tools), 491 N 3d
*Glaser Mfg. Co. (Machinists), 2733 N 6th
*†§Globe Machine & Fdry. Co., Inc., Tackawana & Church. Fkd
†Glover Bros. (Iron Founders & Hdw. Specialties), Paul & Vandyke, Fkd.
*Gray's Ferry Machine Co. (Ltd.) (Engines. Special Machinery, etc.), 3105 Gray's Ferry rd
*Griffin, Jno. J. & Co. (Gas Meters, etc.), 1513 Race
*§Griffiths, Jas. A. (Injectors, etc.), 500 N 12th
*†§GRISCOM-SPENCER CO., ft. Washington av. (See New York.) (See adv. idex. end of book)
*Grissinger Machine Works, 904 Quarry
§Guest, Geo. (Awning Frames, etc.), 4423 Ludlow
*§Haines, Jones & Cadbury Co. (Brass Fdrs., Plumbers' Brass Goods & Supplies), 1136 Ridge av. Works, Norristown, Pa.
*§Hale & Kilburn Mfg. Co. (Car Seating, etc.), 18th & Lehigh av

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*§Halstead & Co. (Brass Fdrs. & Finishers), 1129 Cherry
*Haltons, Thos. Sons (Textile Machinery), E Allegheny av & C
*Hankey, A. & Co., 1213 Race. (See Rochdale, Mass.)
*Harman Bros. (Machinists), 1044 S Chadwick
*Harrington, Edwin Son & Co. (Machine Tools, Chain Hoists, etc.), N 17th & Callowhill
*†Harrison Safety Boiler Works (Feed Water Heaters, Separators, Ice Breakers, etc.), 17th below Allegheny
*Harrison's, Wm. H. Sons (Engineers & Machinists), 1708 Ludlow
§Hartman Co. (Valves, Tuyeres, Coolers, Liquid Cinder Cars, etc.), 1231 N Front
*Harton, Pembroke D. (Bakers' Machy), 1431 Fairmount av
*Haskell-Dawes Machine Co., Trenton & Erie avs
*Hawkins-Wilson Co. (Steel Die Stamping Presses), 712 Sansom
*§Heller & Brightley (Mathematical Instruments), Ridge av & Spring Garden
*Helme & McIlhenny (Gas Meters, etc.), 1339 Cherry
*Henderson Machine Co. (Machy. Mfrs.), 5032 Gtn. av
*§Hentschke, Albert, & Son (Surgical & Dental Instruments, etc.), 731 Race
*Hepworth, Jno. W. & Co. (Textile Machy), cor Mascher & Lehigh av
*Hess-Bright Mfg. Co., 19th & Hamilton
*Hess Machine Works, Jno. A. Hess (Machinist & File Machy), 2512 Callowhill
*Hess & Barker (Engineers & Machinists, Tablet Machines), 605 Sansom
*§Hey, M. Mfg. Co. (Brass Fdrs. & Brewers' Specialties), 637 N 3d
†Hill, B. B. Mfg. Co. (Copying Presses, etc.), 1020 New Market
†Hitzeroth, Edward (Builders' Castings, etc.), 3120 Market
*Hodson, G. & A. Pulley Depot (Pulleys, etc.), 226 Arch
*§Homer Brass Works (Inc.) (Brass Fdrs. & Finishers), 231 Race
*Hood, R. H. (Worsted & Curled Hair Machinery), 1842 Gtn. av
*†Hoopes & Townsend Co. (Bolts, Nuts, Washers, etc.), 1330 Buttonwood
§Horn & Brannen Mfg. Co. (Inc.) (Gas Fixtures & Brass Fdrs.), 427 N Broad
*Horridge & Hinman (Machinists), 628 Race
*†Horrocks Iron Works (Builders' Iron Works), 234 N Broad
*Hub Machine & Tool Co. (Metal Sawing Machines, etc.), 621 Cherry
*Hughes & Russum (Beaming Machines etc.), 4424 Hedge, Fkd
*Hunter, Robt. & Son (Textile Machy.), Bristol & Gtn. av
*Ideal Machine Co. (General Machine Work), 316 N 22nd
*Insinger Co. (Dish Washing Machines, etc.), Stenton av above Wayne Junc.
*International Sprinkler Co. (Automatic Sprinklers), 517 Arch
*Jaeger Automatic Machine Co. (Slot Machines), 2228 N 9th
*Jesson, Jno. B. (Machinist), 208 New
*Jones, Lewis N., Machinist (Knitting Machy.), Media cor. Edgewood
*Jones, Rogers & Co., Machinists, 327 New
†Juniata Furnace & Foundry Co. (Iron Fdrs.), 30 Girard av
*Kaltenthaler, Henry J. (Flanges & Flange Fittings, etc.), 230 Cherry
†Kappler-Fox Foundry Co. (Stoves, etc.), E York c Thompson
*Keller Mfg. Co. (Dish Washing Machines, Vacuum Cleaners, etc.), 21st & Allegheny av
*†Kensington Engine W'ks (Engines, etc.), Beach & E Berks
*Keystone Electrical Instrument Co. (Electric Instruments), 901 Montgomery av
*Keystone Elevator Inspection & Repair Co., 923 Locust
*Keystone Spring Works (Carriage Springs, etc.), 500 N 13th
*Keystone Structural Co. (Steel Structural Work), Harrison bldg
*Kinetic Electric Co. (Dynamos & Motors), 16 S Schell
§Kirn, M. L., & Bro. (Brass Fdrs.), 2135 N Lawrence
§Kitson Hydro-Carbon Heating & Incandescent Lighting Co. (Kitson Hydro-Carbo Lamps, etc.), 1230 Callowhill
§Klause Chas. (Brass Fdry. & Metal Spinning), 1204 Nectarine
*Klein, Chas. C. (Mill Engineer & Machinist), 2850 N Marshall
†Koch & Fox (Iron Fdrs. & Sash Weights), N 22d & Glenwood av
*Krips-Mason Machine Co. (Inc.) (Cutting & Punching Machy.), 1036 N Hutchinson
*Kruger & Blind Co., 513 Master
*†KUTZTOWN FOUNDRY & MAchine Co. (Boiler Fronts, Grate Bars, Compound Separators, etc.) (See adv. index, end of book)
*Lampe & Bartels (Machinists), 115 N Front
*Lanston Monotype Machine Co. (Machinists), 1231 Callowhill
*†Liberty Stove Co. (Ranges, Furnaces, etc.), 114 N 2nd
*Lindsay, Hyde & Co., 2130 E. York
*†Link Belt Co. (Elevating & Conveying Mach'y), Nicetown (Main Office: Chicago)
*§Lonergan, J. E. & Co. (Brass Fdrs. & Finishers & Steam Specialties), 211 Race
*Loomis-Manning Filter Co. (Water Filters), Land Title bldg
*†Lorain Steel Co. (Grey Iron & Steel Castings, Frogs, Switches, etc.), Penna. bldg. Works, Johnstown, Pa.
*Lorimer Machine Co. (Textile Machy.), Ontario & N Lawrence
*Lovekin Pipe Expanding & Flanging Machine Co., 421 Chestnut
§Lukens, Thos. F. (Canning Factory Supplies), 238 N 4th
*Lusse Bros. (Machinists), 819 N Lawrence
*Lutner, Wm. (Machinist), 1603 S Front
*Lynwood Mfg. Co., Westmoreland c N 2
*§McCambridge & Co. (Sanitary Brass Goods), 315 N 20th
*McCaffrey File Co. (Files, etc.), 1842 N 5th
§McHatton Smelting Co. (Brass Fdrs. & Smelters), 1500 Wash'n av
*McMichael, Abner (Machinist), 22 Armat. Gtn
*McNiece, Wm. & Son (Saws, etc.), 511
*Maerky, Emil, 132 Arch Cherry
*Maignen, P. A. (Filter Mfrs.), 52 N 13th
*Maris Bros. (Cranes & Hoists, etc.), S 50th & Gray's av
§Massa, George (Locks, etc.), 232 Ionic
*Mayall, Lewis A. (Machinist), 803 Locust
*Meehan, F. E., 609 Commerce
†Meerbach & Schneider (Iron Founders. Machy. Castings, etc.), 1612 Vandike Fkd
§Melzer, Saml. (Brass Fdry.), 205 Quarry
*Mercury Machine Co. (Inc.) (Key Seating Machines), 2117 N Broad
§Metal Art Co., 2633 Bodine
*Metz, R. P., Mfg. Co. (Steam Specialties, etc.), 608 N Hancock
*Midland Metal Co. (Inc.) (Ornamental Brass & Bronze Work), 21st & Jefferson
*†Midvale Steel Co., Nicetown
*§Miller Lock Co. (Locks, etc.), 4523 Tacony
*§Mills, Thos. & Bro. (Inc.) (Brass Fdrs & Confectioners' Mach'y), 1301 N 8th
*Mitchell, John (Millwright, Machinist & Bldrs.' Iron Work), 2224 Vine
*†Mitchell & Van Meter Co. (Cast Iron Soil Pipe, etc.) Phila. Bourse. Works, Linfield, Pa
*†Moore & White Co. (Iron Fdrs. & Machinists, Paper & Pulp Mill Mach'y etc.), N 15th & Lehigh av
*Morris Engineering Co. (Hydraulic & Special Machinery), 37th & Reed
§*†Morris, I. P., Co. (Engines, Pumps, Turbines, Castings, etc.), Beach & Bal
*†MORSE, WILLIAMS & CO. (Elevators, Worm Gears, etc.), West End Trust bldg. (See adv. index, end of book)
§Mousley, Chas., & Sons (Brass & Bronze Castings & Ship & Car Hardware Mfrs.), 457 N 12th
*Mumford, E. H. Co., 17th & Callowhill
*Murset, Fred'k A. (Models & Experimental Work), 830 Race
*§Nacke, A. & Son, 236 S 9th
*National Automatic Knitter Co. (Inc.) (Textile Machy., Knitting Machines, etc.) 728 Cherry
*National Metal Edge Box Co. (Metal Edge Box Machines), 8th & Willow
*National Specialty Mfg. Co. (Drug Mills etc.), N 3d & Lehigh av
*†Naylor, John S. (Engineer & Iron Fdry.) N Front & Girard av
*Nasel Engineering & Machine Works (Machinists & Machine Tools, etc.), 4041 N. 5th
*§Newell Brass Mfg. Co., 443 N Broad
*†Newton Machine Tool Works (Inc.) (Machine Tools), 2347 Vine
*†Niles-Bement-Pond Co. (Machinists & Machine Tools), Mifflin, c Meadow. (See New York City)
§North American Smelting Co., N 9th & Thompson
*†§North Bros. Mfg. Co. (Brass & Iron Fdrs. Hardware & Specialties), Lehigh av, c N American
*Northern Machine W'ks, 2008 N Leithgow
*Novelty Electric Co. (Electric Specialties), 50 N 4th
*Nye & Tredick Co. (Textile Mach'y.), 006 Arch
*O'Neill Elevator Co. (Elevators), 628 Cherry
§Oat, Jos., & Sons (Sugar Machy. & Coppersmiths), 232 Quarry
*Oldham, Geo., & Son (Pneumatic Tools), d 1828 John, Fkd
*Oliver, J. H. & Co., 1414 S Penn Sq
*Olsen Tinius & Co. (Testing & Hydraulic Mach'y), 500 N 12th
*Orum, Morris L. (Machinist), 503 N 11th
§Ott, Geo. F. (Iron & Brass Works), 209 Buttonwood
*†Otto Gas Engine Works (Gas Engines), S 33d & Walnut
*Paiste, H. T. Co. (Electrical Specialties), N 32d c Arch
*†Pancoast, Henry B., & Co. (Iron Pipe, Fittings, etc.), 243 S. 3rd
*Parham & Lawser (Machines, etc.), 712
*Parsons, Paul J., 2531 Poplar Cherry
*Partrick, Carter & Wilkins (Electrical Specialties), N 22d c Wood
*Paxton & O'Neill (Knitting Machines), 541 N. 3rd
*Pearce, Geo. B. & Co. (Hosiery Mach'y, etc.), 2216 N 8th
*Peerless Belt Lacing Machine Co. (Belt Lacing Machines), S Swanson & Moore
*Penna. Forge Co. (Forges), Wakeling, nr Stiles, Bgd.
*†Penna Steel Co. (Railroad Specialties & Steel Mfrs, etc.), Girard bldg.; Works: Steelton, Pa.
*§Perkes, Chas. (Brass Fdr. & Plumbing Goods), 627 Arch
*†Perseverance Iron Foundry (Ltd.) (Iron Fdrs.), 822 Latonia
*Philadelphia Drying Machinery Co. (Drying Mach'y, Fans & Presses), 6721 Gtn. av
*Philadelphia Electrical & Mfg. Co. (Electrical Specialties), 1232 N. 31st
*Philadelphia Gear Works (Inc.) (Gears, etc.), 12th & Vine
*†Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson
*Philadelphia Hydraulic Works (Engines & Pump Repairs, etc.), 1218 Cuthbert
†Philadelphia Iron Works, 418 N 18th
*Philadelphia Lawn Mower Co. (Lawn Mowers, etc.), 3101 Chestnut
*Philadelphia Machine Screw Works, 624 Race
*Philadelphia Novelty Mfg. Co. (Inc.) (Hardware Specialties, etc.), 427 N 13th
*Philadelphia Roll Works, 212 N Darien
*†Philadelphia Roll & Machine Co. (Rolling Mill Machy & Castings), 308 Walnut
*Philadelphia Spring & Axle Works, 1439 N Hutchinson
†Philadelphia Stove & Iron Foundry Co. (Iron Fdrs. & Stoves, Ranges & Grey Iron Castings), 1631 N 5th
*Phila. Textile Machinery Co. (Textile Machinery), N Hancock & Somerset
*†Phoenix Iron Co. (Iron Founders & Machinists & Steel Mfrs.), 410 Walnut. Works, Phoenixville, Pa.
§Phosphor-Bronze Smelting Co. (Brass, Bronze & Composition Castings, etc.), 2200 Washington av
*Plumb, Fayette R. (Inc.) (Edged & R. R. Track Tools, etc.), Tucker & Penna. R. R., Fkd.
*Power, L. & Co. (Woodworking Machy.), 20 S 22d
*Pressed Steel Mfg. Co. (Ball Bearings, Bearings, etc.), Phila. Bourse
*†Quaker City Metallic Bedstead Co., Wash'n av c S 18th
*Railway Steel Spring Co. (R. R. Springs, etc.), 1028 Newmarket. (See New York City)
*Reed, Chas. J. (Furnaces & Separators, etc.), 23rd & Hamilton

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*§Reeves, Paul S. & Son (Brass & Composition Castings & Bearings, etc.), 1425 Catharine
*Rehfuss, George & Sons, 1311 S Carlisle
*Reid, A. H. Creamery & Dairy Supply Co. (Creamery Mach'y., etc.), 69th & Haverford
*Reid, Robert, 71 Laurel
§Reyburn-Hunter & Co. (Lightning Rods, etc.), 494 N American
*Rich, J. & G. (Machinists), 120 N 6th
*Richards Bros. (Machinists), 4365 Main, Manyunk
*Riehl, H. & Son (Machinists), 1130 N Orianna
*†Riehle Bros. Testing Machine Co. (Machinists, Testing Machines, Jacks, Presses, etc.), 1424 N 9th
*Ritter Machine Co., 233 Cherry
*§Roberts Filter Mfg. Co. (Inc.), Germ Proof Water Filters & Brass Goods), 3015 Chestnut
†Robson, Chas. & Co. (Iron Fdry., Grate Bars & Castings), 8th & Washington av
*§Rohrman, Theo. B. (Brass & Grey Iron Castings), 30th & Chestnut
§Rosenthal's, Jos. Sons (Brass Fdrs., etc.), 188 Berks
*Rossmassler-Bonine Electric Co. (Electric Motors), 1236 N. Orkney
*Roth, Gottlieb, 602 Beach
*Rowan, Hy. J., Jr. (Machinist), 2030 Sansom
*Rudolph, Wm. F. (Machinist), 649 N. Broad
*Ruffner & Son (Boiler Flue Cleaners, Nut Locks, etc.), Bowman, nr Cresson Falls
*Rumsey Electrical Co. (Electrical Specialties), 1211 Filbert
*Rutschman, Oscar F. (Machinists' & Hand Drills, etc.), 426 Berks
*Ruwell, Wm. F. (Engine Repairs, etc.), 718 Noble
*Sanitary Devices Mfg. Co., Cottman & State rd., Tacony
§Savill, Thos. & Sons (Brass Fdry. & Finisher, Plumbing Goods), 220 N 11th
§Schaefer, Emil (Brass Fdr. & Coppersmith), 1322 N 5th
*Schaeffer Machine Works, 35th & Gray's Ferry rd
*†Schaum & Uhlinger (Textile Mach'y, Looms, Iron Fdrs., etc.), North Penn Junction
*Schiller, Fred'k & Co., 328 N 3d
*Schiller & Co., 820 Cherry
*Schober, Geo. M., 3231 Market
§Schoenewald, Robert, 1027 Ridge av
*†Schofield, Wm. Co. (Iron Fdrs. & Textile Mach'y), Kram's av nr Silverwood, Manayunk
*Schramm, Christian D., & Son, 308 N. 4th
*Schutte & Koerting Co. (Steam Specialties), 1251 N 12th
*Scott & Williams (Knitting Mach'y), 2079 E Cumberland
*†Scullin, Simon, 2900 N American
*Seifert, Chas. H. (Machinist), 158 York
*†§Sellers, Wm. & Co. (Inc.) (Machine Tools & Heavy Machy), 1600 Hamilton
§Sheeler-Hemsher Co. (Brass Fdrs.), 811 Fairmount av
*†Sheppard, Isaac A. & Co. (Stoves, Ranges & Furnaces), 4th, cor Montgomery av
§Shimer, H. M. & Co. (Smelters, etc.), S 19th & Wash'n av
†Shuster Foundry Co. (Iron Fdrs., Cast Iron Pipe & Plumbers' Castings, etc.), 411 N Franklin
*Sigler, Samuel, 310 Master
*Simon, Omer, 3829 Pearl
*Smith-Drum & Co., 2503 Coral
*†Smith & Furbush Machine Co. (Textile Machy.), Hancock & Somerset
*Snediker, Jas. F., 139 N 7th
†Sobers, Jacob (Iron Fdry.), 1114 Gtn. av
*†Southwark Foundry & Machine Co. (Engines, Rolling Mill Machy, etc.), 430 Washington av
*†Specialty Engineering Co. (Elevating & Conveying Appliances), 1908 E Westmoreland
*Sprague, Wm. & Co. (Machinists), Witherspoon Bldg.
*Standard Machine Co (Inc.) (Textile Machinery), 508 Ludlow
*Standard Meter Co. (Gas Meters, etc.), 8th & Mifflin
*†§Standard Roller Bearing Co. (Ball & Roller Bearings), 50th & Lancaster
*†Standard Steel Works (Steel Castings, etc.), Harrison bldg
*Standring, Saml., Somerset & Hope
*Stanton & Lewis (Textile Mach'y.), 316 Florist
*Stiffel & Freeman (Safes, etc.), 723 Chestnut
*Stokes, F. J., Machine Co. (Pharmaceutical Machy., etc.), 17th, c. Cambria
*†Stokes & Parrish Elevator Co. (Elevators), 12th & Sansom
*†Stokes & Smith Co. (Paper Box Machinery), 1011 Diamond
*Storts, John T. & Son (Tools, Dies, Punches, etc.), 210 Vine
*Stow Flexible Shaft Co., Callowhill, c. N 26th
*†Straub, A. W. Co. (Grinding Mach'y, etc.), 3737 Filbert
*Sugar Apparatus Mfg. Co. (Sugar Machy.), 326 Chestnut
*Sulzer & Co. (Gas Fixtures, etc.), 821 Cherry
§Sutterly, G. T. & Co. (Silverplated Ware & Brass Goods), 19th & Hamilton
*Sweigard, Jos. L. & Co. (Pneumatic & Pump Mach'y), Bets bldg
*Tabor Mfg. Co. (Fdry. Molding Machines, etc.), 18th & Hamilton
*†Tacony Iron Co., Land Title Bldg.
*§Talmage & Weidley (Brass Fdrs.), 230 N 15th
*†Thomas-Roberts-Stevenson Co. (Stoves, etc.), McKean c S 3d
*Thompson Bros. (Machinists), 112 Bread
†Thompson, J. & Co. (Iron Fdrs. & Machinists, Valves, Fire Hydrants & Castings, etc.), Van Horn & Sophia
*Tilghman-Brooksbank Sand Blast Co. (Sand Blast Machinery, etc.), 1126 S 11th
†Tioga Foundry Co. (Loam, Green & Dry Sand, Mach'y & R. E. Castings, etc.), N 22d & Allegheny av
*Tioga Steel & Iron Co. (Iron Fdrs., Iron & Steel Forgings), 52d & Gray's av
*Troemer, Henry (Scales, etc.), 911 Arch
*Turner Machine Co. (Sprue Cutting Machines, etc.), 2049 N 2d
§Uco Brass Mfg. Co. (Inc.) (Plumbers' Brass Goods), 2486 Brown
*Underwood, H. B. & Co. (Cylinder Boring Bars, etc.), 1025 Hamilton
*Union Machine Works & Iron Foundry (Grey Iron Castings), 1825 So Water
*†Union Traction Co. (Fdry. Dept.)
*United States Elevator Co. (Elevators, etc.), 212 Dock
*United States Metallic Packing Co. (Metallic Packing, etc.), 427 N 13th
*†§United States Navy Yard, League Island
§United States Smelting Works (Smelters, etc.), 1615 Spring Garden
*Universal Machine Works, 1060 Gtn. av
*Walker, Dwight F. (Woodworking Mach'y), 59 Laural
*Walker, Edward A., 1015 Fkd. av
*Walker Electric Co. (Electric Switches, etc.), 2338 Noble
*Walker, Thos. & Sons, 4617 Tacony, Fkd
*Walters, Geo. C., 1316 Ellsworth
*Walton, P. M. (Machinist & Millwright), 1025 Gtn. av
†Ward, Joseph T. (Iron Railings, etc.), 5918 Baynton, Gtn
†Waters, D. A., Co., 1514 Hamilton
*Watson & McDaniel Co. (Steam Traps, Valves, etc.), 146 N 7th
*Watts & Stern (Electrical Machinists), 1308 Buttonwood
†Wayne Iron Works, Arcade bldg
*Wenzell, S. S. Machine Co. (Bottle Working Mach'y, etc.), 443 N 12th
*§Wetherill Finished Castings Co. (Finished Castings), 2501 N 12th
*†§Wharton, Wm., Jr., & Co. (Steel & Grey Iron Castings, also Operates a Machine Shop), Washington av, c S 25th
*†Wheeler, C. H., Mfg. Co. (Steam Pumps), etc.), Lehigh & N 18th
§White & Bro. (Brass Fdrs. & Smelters), 1504 E Wilt
*Whitecar's, Joseph, Iron Works, 10 Pine
*†Wilbraham-Green Blower Co. (Rotary Blowers, Iron Fdrs., etc.), 2518 Fkd. av
†Wilfong Bros., 52nd & Gray's av
*Williams, Wm. D., Jasper & Willard
*†Williamson Bros Co. (Inc.) (Steering Gears, Hoisting Engines & Castings, etc.), Aramingo c Cumberland
*Wirt Electric Co. (Electrical Specialties), 3108 Gtn av
*Wirt & Knox Mfg. Co. (Hose Reels, etc.), 24 N. 4th
*Withington, Ralph (Machinist), Oxford & N Hancock
*§Wonderly, Abner H. (Builders' & Upholsterers' Hdwe., etc.), 621 Commerce
*†Wood, R. D. & Co. (Cast Iron Pipe, Hydraulic & Gas Works Machy., etc.), 400 Chestnut
*Wootten & Peckworth (Machinists), 205 Quarry
*§Wright Mfg. Co. (Brass Fdrs. & Finishers), 133 Master
*Yockel, Chas. & Sons (Machinists, Moulds, etc.), 1220 N Lawrence
†Yocom, Jas., & Son (Shafting), 145 N 2d
*Yool & Shirar, 2009 Oxford, Fkd
*Young & Weinmann, 2642 Mascher

PHILLIPSBURG—*†Gowland Mfg. Co.

PHOENIXVILLE — *Logan Boiler & Machine
*†§Madco Foundry & Machine Co Co.
*†Phoenix Iron Co. (See Phila., Pa.)

PILLOW—*†Snyder, Frank (Iron Fdry. & Machinist)

PITTSBURG—†Acme Foundry Co., 61st & A. V. Ry
*†Allegheny Steel Co. Works, Brackenridge, Pa.
*Allen Machine Co., 12th & Diamond sq
*§Aluminum Co. of America, Works, New Kensignton
*†§American Bridge Co. (Iron, Steel & Brass Castings, also Machine Shops), Frick bldg
*†American Foundry & Construction Co.
†American Foundry & Pipe Co. (Cast Iron Soil Pipe & Fittings), Park bldg. Works, Penn Station, Pa.
*†American Furnace & Machine Co., Fulton bldg
*†American Locomotive Co., 2101 Beaver av. (See New York City.)
†American Sewer Pipe Co., Bessemer bldg
*†§American Sheet & Tin Plate Co. (Iron, Steel & Brass Castings, all consumed by the Company, also Machine Shops)
†American Steel Foundries (Steel Castings), 36th & A. V. Railway
*†American Steel & Wire Co., Frick bldg. (See Chicago, Ill.)
*†Anderson-Darragh Co. (Steam Heaters), etc.), 3286 Penn av
*Axthelm Mfg. Co., 243 3d av
*§Bailey-Farrell Mfg. Co. (Brass Fdrs. & Plumbers' Supplies), 3d av & Ross
*†Baird Machinery Co. (Mach'y), 128 Water
*†§Best Mfg. Co. (Iron & Brass Fdrs. & Steam & Rolling Mill Specialties), 25th & A. V. Ry
*§Bonar, James, & Co. (Steam Specialties)
*Buechele & Davis (Tools, etc.), 4127 Liberty av
†Byers, A. M., Co. (Wrought Iron Pipe, etc.), 235 Water
*§Cadman, A. W. Mfg. Co. (Brass Fdrs. & Finishers), 2814 Smallman
*†CARLIN'S, THOS. SONS CO. Hoisting Engines & Contractors' & Rolling Mill Machinery), 1610 River av (North Side) (See adv. index, end of book)
*†§Carnegie Steel Co. (Steel Car Wheels, etc.), Carnegie bldg
*Carron, A. M., & Co. (Small Electric Air & Vacuum Pumps, etc.), 220 Penn av
†Central Car Wheel Co. (Car Wheels), Farmers' Bank bldg. Works, McKees Rocks, Pa.
*§Chaplin-Fulton Mfg. Co. (Brass & Bell Fdrs., Gas Regulators, Ejectors, Injectors, etc.), 28 Penn av
†Combination Engine Co. (Steam Engines), 3148 Penn av
*Crescent Electric & Mfg. Co., 24th & Spring av
*†Dilworth, Porter & Co. (Chilled Mill Castings, etc.), 313 6th av
*†Duquesne Steel Foundry Co. (Steel Castings & Machine Shop for Own Use), Arrott bldg. Works, Corapolis, Pa.
†§Early, W. J., & Sons (Ltd.) (Grey Iron Castings), 804 Sarah
*Empire Machine & Electric Co., 210 3d av
*†§Epping-Carpenter Co. (Pumping Machinery & Condensers), 41st & A. V. Ry.
*Equitable Meter Co. (Gas Meters & Appliances), 439 Water
*FAWCUS MACHINE CO. (Gears of All Kinds & Special Machy.), 2820 Smallman. (See adv. index, end of book)
*†Fort Pitt Bridge Works
†Fort Pitt Forge Co., 2410 Penn
*†Garrison, A., Foundry Co., (Rolling Mill Machy. & Castings, etc.), S 9th & Bingham
*Gazzam, H. P., Machine Co., 32d & Penn av
*Gem Mfg. Co. (Flexible Shafts, Boiler Tube Cleaners, Drills, etc.), Spruce nr 33d

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*†Goodman Engine & Machine Co. (Engines & Machy.), S 15th & Muriel
*Gracey, R., & Sons Co., 105 1st av
*Heppenstall Forge & Knife Co. (Shear Knives, etc.), 47th & A. V. Ry.
*Heyl & Paterson (Rolling Mill & Coal Mining Machy. & Equipments, etc.)
*Hunter Saw & Machine Co. (Saw Sharpening Machines, etc.), 57th & Butler
*†§Hydraulic Machine Co. (Rolling Mill Machinery, Steel, Grey Iron & Brass Castings), McCandless av & A. V. Ry.
§Iron City Brass Foundry Co. (Brass Fdrs.), 5315 Butler
*†Iron City Sanitary Mfg. Co. (Plumbers' Cast Iron Enameled Ware), 18 Wood
*Iron City Stamping Co. (Tool & Die Makers & Machinists)
*Iron City Tool Works (Ltd.) (Machine Tools), 32d & Smallman
*†Jelley, Geo. A. Foundry Co. (Iron Fdrs.), 2848 Smallman
*†§Jones & Laughlin Steel Co. (Power Transmitting Machy., etc.)
*†Kelly, Nicholas & Son (Founders), 1708 Wharton
*†§Kelly & Jones Co. (Iron & Brass Fdrs., Steam Specialties, Valves, etc.), 135 Water; Works: Greensburg, Pa.
*§Keystone Bronze Co. (Rolling Mill Castings & Specialties, etc.), 136 39th
†Lathwood, Jas. (Iron Fdry.), 22d & Smallman
*§LAWRENCEVILLE BRONZE CO. (Copper & Bronze Castings for R. R., Mills, etc.), 3046 Penn av. (See adv. index, end of book)
*†Lewis Foundry & Machine Co. Works, Groveton, Pa.
*McClintic-Marshall Construction Co. (Steel Structures, etc.)
*†McConway & Torley Co. (Malleable Iron & Steel Castings & Railroad Specialties, etc.), 48th & A. V. R'y.
§McGraw Bros. Brass Foundry Co., 124 Home
*§McKenna Bros. Brass Co. (Brass Fdrs. & Finishers), 1st av & Ross
*†Mackintosh, Hemphill & Co. (Rolling Mill & Blast Furnace Mach'y., Engines, Iron, Steel & Brass Castings, etc.), ft. of 12th
*Marshall Bros. (Elevators, etc.), S 21st & Mary
*†Marshall Foundry Co. (Iron Fdrs., Rolling Mill & Builders' Castings, Ingot Molds, etc.), 28th & Railroad
§Matthews, James H. & Co. (Stencils, etc.),
*†§Mesta Machine Co. (Rolling Mill Mach'y, Iron & Steel Castings), Lewis blk. Works, Homestead, Pa.
*†Milholland, J. & J. B., Co. (Engines, etc.), Tunnel & 5th av
*†Munroe, R. & Sons Mfg. Corp. (Boiler Castings & Boiler Mfrs.), 23d & Smallman
*†National Car Wheel Co. (Car Wheels)
*†§National Tube Co. (Cast, Malleable, Iron & Brass Fittings, Iron & Brass Valves, Cocks, etc.), Frick bldg
§Newlands Bros., 28th & A. V. R. R.
*Nuttall, R. D. Co. (Gears & Pinions of All Kinds, etc.), LaFayette & Garrison pl
*†§Oil Well Supply Co. (Oil & Gas Mill Supplies, Gas Engines, etc.), 215 Water
*Penna. Blue Print Co. (General Machinists). Park bldg
*†Pennsylvania Malleable Co. (Steel & Malleable Iron Castings & Car Couplers, etc.), Farmers' Bank bldg. Works, McKees Rocks, Pa.
*PENNSYLVANIA STEEL PULLEY CO. (Pressed Steel Pulleys, etc.), North Side. (See adv. index, end of book)
*Pfaller, Frank, 6047 Susquehanna
*†Phillips Mine & Mill Supply Co. (Coke & Coal Equipments), 2227 Jane
*†Phillips & McLaren (Heavy Castings & Rolling Mill Mach'y., etc.), 24th & Smallman
*†§Phoenix Steel Co. (Ltd.), Putnam & P. R. R.
†Pittsburg Brake Shoe Co. (Brake Shoes, etc.), Farmers' Bank bldg
*§Pittsburg Brass Mfg. Co. (Plumbers' Brass Specialties & Brass & Bronze Castings, etc.), 3153 Penn av
*Pittsburg Electrical & Machine Works (Electric Switches, etc.), Arrott Power bldg
*Pittsburg Forge & Iron Co. (Machine Shop Connected with Works)
*†Pittsburg Foundry & Machine Co. (Fdrs. & Machinists), 31st & Liberty av
*†§PITTSBURGH GAGE & SUPPLY Co. (Iron & Brass Founders, Machinists & Steam Specialties), 30th & Liberty av. (See adv. index, end of book)
*†Pittsburg Gas Stove & Mfg. Co. (Gas Stoves, etc.), 23rd & Josephine
*Pittsburg Instrument & Machine Co., 627 Fountain
*†Pittsburg Malleable Iron Co., 34th & Smallman
*†Pittsburg Mfg. Co. (Bolts, etc.).
*†Pittsburg Piping & Equipment Co. (Brass & Bronze Fdrs. & High Pressure Pipe Fittings, etc.), 3422 Smallman
*†§Pittsburg Plate Glass Co., Frick bldg; Foundry: Ford City, Pa.
*†Pittsburg Steel Fdry. (Steel Castings & Car Wheel Centers, etc.); Works: Glassport, Pa.
*†§PITTSBURGH VALVE, FOUNdry & Cons. Co. (High Pressure Valves & Fittings, Iron & Brass Castings, etc.), 26th & A. V. Ry. (See adv. index, end of book)
*†§Pittsburg Valve & Fittings Co. (Valves, Fittings, etc.)
*†§Porter, H. K., Co. (Light Locomotives), Union Bank bldg
*†Pressed Steel Car Co. (Steel Cars), Farmers' Bank bldg
*†Ramaley, W. H., & Co. (Gas Stoves, Ranges, etc.), 130 9th
*†Rees, Jas., & Sons Co. (Steamboat Bldrs.), 18 4th
*§Reineke-Wilson Co. (Gas & Water Supplies, etc.), 41 Terminal way
*Renton, Wm. (Cylinder Re-Boring, etc.), 101 Water
*†Republic Iron & Steel Co. (Grey Iron Castings, all Consumed by the Company; also Machine Shops)
*Russell, J. C. Shovel Co. (Small Machine Shop for the Company's Own Use)
*Russell Machine Co., 28th & Spruce Ry.
*†Scaife Foundry & Machine Co. (Ltd.) (Rolling Mill Machy., etc.), 28th & Smallman
*†SCAIFE, WM. B. & SONS (Iron Fdrs. & Structural Steel Construction, etc.), 221 1st av. (See adv. index, end of book)
*†Seaman Sleeth Co. (Sand & Chilled Rolls), 41st & A. V. Ry.
*†Simonds Mfg. Co. (Gears, Pinions & Electric Railway Specialties, etc.), 25th & Liberty
*Sommerfeld Machine & Mfg. Co. (Gears & Glass House Machinery), 220 2d
†Springfield Foundry Co. (Iron Fdrs.), 3217 Smallman
§Standard Bronze Co., ft. of 14th
*†§Standard Sanitary Mfg. Co. (Sanitary Enameled Iron Goods, etc.), Bessemer bldg
*†Standard Scale & Supply Co. (Standard Scales, etc.), 243 Water; Works, Beaver Falls, Pa.
*†Standard Steel Car Co. (Steel Cars, etc.), Frick bldg; Works: Butler, Pa.
*†Steel Car Forge Co. (Steel Cars, etc.), Frick bldg. Annex. Works, Ellwood City, Pa.
*†Sterling Steel Foundry Co. (Steel Castings, Car Couplers, etc.), Frick bldg
*†Sterritt-Thomas Foundry Co. (Fdrs. & Machinists, Rolling Mill & Mach'y Castings, etc.), 32d & Smallman
*Stoner, Thaw & Co. (Filters, etc.), 1200 W. Carson
*Swain & Angel (Steam Engines), 3106 Smallman
*Tate, Jones & Co. (Machinists & Fuel Gas Burners, Gas Engines, etc.), Empire bldg
*Tranter Mfg. Co. (Valve Mfrs., etc.).
*Trethewey, Samuel & Co., (Ltd.), (Blanking Dies, Steam Hammers, etc.), 47th & Plummer
*Union Elevator Co. (Elevators), 302 Gist
*†Union Foundry & Machine Co. (Rolling Mill & Pipe & Tube Mill Machinery), 224 W. Carson
†Union Steel Casting Co. (Steel Castings & Annealing Boxes)
*†Union Switch & Signal Co. (R. R. Specialties). Works, Swissvale, Pa.
*†§United Engineering & Foundry Co. (Rolling Mill Machinery), Farmers Bank bldg
*†United States Cast Iron Pipe & Foundry Co., Murtland bldg. (See New York)
*†United States Sanitary Mfg. Co. (Plumbers' Cast Iron Enameled Ware), Arrott bldg
*†Velte Foundry & Machine Co. (Grey Iron & Steel Castings, also Machine Shop)
*Vierling Machine Co., 235 1st av
*†Westinghouse Air Brake Co. (Car Brakes, etc.). Works, Wilmerding, Pa.
†§WESTINGHOUSE ELECTRIC & Mfg. Co. (Electrical Machy., etc.) Works, East Pittsburg (See adv. index, end of book)
†§WESTINGHOUSE MACHINE CO., The (Engines, etc.). Works, East Pittsburg, Pa.
*Wilhelm, Robt. W. (Dies, etc.), 3d & Liberty ave
*Williams Gauge Co. (Gauges, Pumps, Governors, etc.), 543 4th av
*†§Wilson-Snyder Mfg. Co. (Steam Pumps & Air Compressors), Ross & Water
*Wolverine Supply & Mfg. Co., Imperial Power bldg
*†YAGLE FOUNDRY & MACHINE Co. (Ltd.), (Founders & Machinists), 400 32d. (See adv. index, end of book)

PITTSTON—*†§Delahunty Dyeing Machine Co. (Dyeing Machines, etc.)
*†§Exeter Machine Works (Coal Handling Mach'y. & Hoisting Engines, etc.)
*Huntley, J. G. (Mine Drills, etc.)
*Muirhead, John & Son (Drills, etc.),
*†§Pittston Stove Co. (Stoves)
*Telescope Mine Machinery Co. (Mine Drills, etc.)
*†§Vulcan Iron Works

PLYMOUTH—*Bittenbender, Geo. H. (Mine Drills)
*†Howell's Mining Drill Co. (Coal & Rock Drills)
*Moss, George A. (Mining Drills, etc.)
*Reese, Sephaniah (Mach'y. & Tool Works)

POMEROY — *Phillips, M. T. (Machinist & Mach'y., etc.)

PORT CARBON—*†§Franklin Iron Works (Wm. A. Cather, Prop.)

PORTLAND—†Pearson, Leroy

POTTSTOWN—*†Colebrookdale Iron Co. (Sad-Irons, etc.)
*Ellis Keystone Agrl. Works (Threshers, Feed Mills, etc.)
*†Flagg, Stanley G., & Co. (see Phila.)
*†Keystone Foundry Co. (Grey Iron Castings)
*Large, Wm. H.
*McClintic-Marshall Construction Co. (Steel Structures, etc.)
†March-Brownback Stove Co. (Heaters, Furnaces, Stoves, etc.
*§Mayo Damper Co. (Dampers, Motor Cycles, Aluminum, Brass, Bronze Castings)
*§Merkel-Light Motor Co. (Motor Cycles, Bicycle Castings, etc.)
*§Mitchell & Van Meter Co. (see Phila.)
*§Saylor, John R. (Machinery)
*Shoemaker, Lewis L. & Co. (Steel Structural Work)
*Weller, Manassa D. (Ornamental Iron Work)

POTTSVILLE—*†Phila. & Reading Coal & Iron Co.
†Pottsville Foundry & Stove Co. (Stoves, etc.)
§Zweibel, Edward

PUNXSUTAWNEY—*†§Porter, G. W., & Son
*†§Punxsutawney Fdry. & Machine Co.

QUAKERTOWN—*Nadig, L. F.
†Roberts, Winner & Co. (Stoves)

QUINCY—*Quincy Engine Co. (Gasoline Engines)

RADNOR—*†§Righter, Geo. W.

RANKIN STATION —*McClintic-Marshall Construction Co. (Steel Structures, etc.)

READING—*American Die & Tool Co. (Punches, Dies & Lawn Mowers)
*American Iron & Steel Mfg. Co. (Sternberg Branch). (See Lebanon, Pa.)
*Boss Knitting Machine Works (Textile Mach'y)
*Carpenter Steel Co. (Machine Shop Attached to Works)
*†§Chantrell Tool Co. (Hardware Specialties)
*§Connard, Henry (Brass Fdr. & Finisher)
*§Crescent Brass Mfg. C. (Inc.)
*§Dick Bros.
†Drummond Iron Works (Cast Iron Pipe)
*§Excelsior Brass Works (Brass Castings & Finishers)
*Francis, G. W. Brass Specialties, etc.)
*Franklin Specialty Co. (Hdwe. Specialties)
*Globe Lawn Mower & Mfg. Co. (Lawn Mowers, etc.)
*†§Gray Iron Foundry Co. (Grey Iron & Brass Castings, etc.)
*Greth Machine Works (Inc.) (Machinists)
*Keiser Mfg. Co. (Sheep Shears, etc.)
*†King Machine Works (Expansion Joints, etc.)
§Kline & Co.
*†Mohn, W. D., & Co.
†Mt. Penn Stove Works (Stoves, etc.)
*†§National Brass & Iron Works (Art Metal Goods)

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*†Orr & Sembower (Inc.) (Steam & Hoisting Engines, etc.)
*†§Penn Hardware Co. (Builders' Hardware, *†P. & R. R. Shops etc.)
†Prisor-Painter Stove & Heater Co. (Stoves, Heaters, etc.)
*†Reading Car Wheel Co. (Car Wheels), (See Buffalo, N. Y.)
*READING CRANE & HOIST WORKS (Cranes, Hoists, etc.), (See adv. index, end of book)
*†§Reading Hardware Co. (Builders' Hardware & Specialties)
*†Reading Iron Co. (Rolling Mills, Iron Fdrs. & Machinists, Rolling Mill Engines & Sugar Mach'y., etc.)
*†Reading Radiator Co. (Radiators, etc.)
*†Reading Scale & Machine Co. (Cast Iron Soil Pipe & Fittings, etc.)
*Reading Standard Co. (Bicycles, etc.)
†Reading Steel Casting Co. (Steel Castings, etc.)
†Reading Stove Works (Stoves, Ranges & Heaters, etc)
*Remppis, Wm. F. Co. (Builders' Iron & Machinists)
*Seibert, Jno. H.
*SPEIDEL, JOHN G. (Hand Hoists & Cranes. (See adv. index, end of book)
*†Textile Machine Works (Textile Machy & Grey Iron Castings)
*Tragle Mfg. Co. (Files, etc.)
*Xander Machine & Supply Co.
*Zacharias, E. H.
REBERSBURG—*†Gramley, Clark McC.
REBUCK—†Fisher, W. H.
RENFREW—*Price Bros.
RENOVO—*†§Penna. R. R. Shops
REYNOLDSVILLE—*†Herpel Bros.
RHEEMS—*Grove, Isaac.
RICES LANDING—*Young, W. A.
RICHFIELD—†Shrauder, W. B.
RIDGWAY—*†Ridgway Dynamo & Engine Co. Dynamos, Engines, etc.)
*†Ridgway Machine Co.
*†Ridgway Mfg. Co. (Iron & Brass Fdrs., Dry Kilns, Steam Engines, etc.)
RITTERSVILLE—*Knauss, Geo. L. (Machinist)
RIXFORD—*Lilley, Arthur
ROARING SPRING—*†Brown, John I.
ROCHESTER—†Olive Stove Works (Stoves)
ROYERSFORD — †Buckwalter Stove Co. (Stoves & Furnaces)
†Floyd-Wells Co. (Stoves, Furnaces, etc.)
†Grander Stove Co. (Stoves, Furnaces, etc.) etc.)
*Keystone Meter Co. (Gas Meters, etc.)
*Keystone Structural Co. (Steel Structural Work)
*†Boyersford Foundry & Machine Co. (Punching & Shearing Mach'y.)
SAINT CLAIR—*§Quirin, John, & Bro.
SAINT MARYS—*†§Elk Engineering Works.
*†§Kaul, J. & A.
*†§Pittsburg, Shawmut & Northern R. R. Shops
SALFORDSVILLE—*Weldner, Jacob K.
SALONA—†Esenwine, Geo. W. (Est. of).
SAXTON—*†§Huntington & Broad Top R. R. Shops
SAYRE—*†Cayuta Mfg. Co. (Fire Hydrants, Valves, etc.)
*†§National Car Wheel Co. (See Pittsburg,
*§Sayre Stamping Co. Pa.)
SCOTTDALE—*†Scottdale Foundry & Machine Co. (Steam Engines & Mining Machy.)
*†Scottdale Foundry & Machine Co. (Steam Engines & Mining Mach'y.)
*†United States Cast Iron Pipe & Foundry Co. (See New York City)
SCRANTON—*†§ALLIS-CHALMERS CO. (See Milwaukee, Wis.)
*†American Locomotive Co. (Locomotives). (See New York City)
*§American Safety Lamp & Mine Supply Co.
*†§Barker, Samuel G. & Son (Track Scales, Machinery & Builders' Castings, etc.)
*†§Delaware & Hudson Co.
*†§D., L. & W. R. R. Shops.
*†§Erie R. R. Shops.
*§Everhart Brass Works (Brass Goods & Brass Castings)
*†§Finch Mfg. Co. (Iron Fdrs. & Steam Engines, etc.)
§Hughes Bros. (Lamps & Brass & Comp. Castings)
*†§McClave-Brooks Co. (Mechanical Stokers, Grate Bars, Iron & Brass Castings, etc.)
*Long Mfg. Co. (Mine Lamps, etc.)
*Mills & O'Toole Machine Co.
*†§O'Malley Mfg. Co. (Brass Goods)
*†§Pearce, Chas. W. (Iron & Brass Castings)
*†Railway Steel Spring Co. (See New York
*Scott, C. B. (Mine Supplies, etc.) City)
*Scranton Axle Works (Axles, etc.)
*Scranton Bolt & Nut Co. (Machine Shop Connected with Works)
*†§Scranton Machine Works (General Fdrs. & Machinists)
*†§Scranton Steam Pump Co. (Iron & Brass Fdrs. & Steam Pumps)
†Scranton Stove Works (Stoves)
*†Scranton Supply & Machine Co.
*Spencer Heater Co. (Furnaces, Heaters, etc.)
SELLERSVILLE—*U. S. Gauge Co. (Vacuum Gauges)
SHAMOKIN—*†Mullen, John & Son (Iron Fdrs. & Engines, Pumps, Mining Machinery, etc.)
SHARON—†American Steel Foundries
*Damascus Brake Beam Co. (Brake Beams & Railroad Specialties). (See Cleveland, O.)
*†National Malleable Castings Co. (See Cleveland, O.)
*†Sharon Foundry Co. (Steel Castings & Machine Work)
*SHARON STEEL HOOP CO. (Machine Shop for Use of the Company). (See adv. index, end of book)
*†Shenango Machine Co. (Iron Fdrs. & Machinists)
SHARPSBURG—*†Moorhead, Bro. & Co. (Inc) (Iron Pipes, etc.)
SHARPSVILLE—*†Inglis, D. R.
*†West, Thos. D. Foundry Co. (Iron Fdrs.,
SHEFFIELD—*Mainwaring & Havens etc.)
SHIELDS—*†Edgeworth Machine Co. (Machinists, etc.)
SHILLINGTON—*Miller, Wm. W.
SHIPPENSBURG—*Davidson, George
*†Domestic Engine & Pump Co. (Gasoline Engines, Pumps, etc.)
SHOENERSVILLE—*†Lazarus, J. R. & Bro.
SINKING SPRING—†Manufacturers' Foundry Co.
SLATINGTON—*†Slatington Foundry, Machine & Boiler Works (Grey Iron Castings, Mine & Quarry Repairs, etc.)
SMITHFIELD—†Moore Foundry Co.
SNYDERSVILLE—*†Marsh, E. B. Bro. & Co. (Iron Fdrs., Machinists, Plows, etc.)
SOMERSET—*†§Highland Foundry & Machine Co.
SOUTH BETHLEHEM—*†§Bethlehem Fdry. & Machine Co. (Machine Tools, etc.)
*†§Bethlehem Steel Co. (Rolling Mill, Special Machy. & Castings, etc.)
SPRING CITY—†Keystone Stove Foundry (Stoves, etc.)
*Penna. Shafting Co. (Polished Steel Shafting)
†Yeager-Hunter Spring City Stove Works (Stove Mfrs.)
STEELTON—*†Penna Steel Co. (Steel Castings, Railroad Frogs, Switches, Crossings & Forgings, etc.), Main Office: Phila., Pa.
STOWE — *†Flagg, Stanley G. & Co. (See Phila., Pa.)
STROUDSBURG—*†Marsh, E. B., Bro. & Co.
*†Stroudsburg Engine Works (Hoisting Engines, etc.)
*Tanite Co. (Emery Wheels, etc.)
SUNBURY—*†§Keystone Machine Works
SWALES—†Beers, J. L. & Sons
†Jamison, I. M.
SWEDELAND—*†Hacksher, Richard & Sons Co.
SWISSVALE—*†Union Switch & Signal Co. (Railroad Specialties). (See Pittsburg, Pa.)
TAMAQUA—*†Beddall Bros.
*†§Tamaqua Mfg. Co. (Iron Fdrs. & Ore Washing & Coal Mining Machy.)
*†§Vulcan Iron Works
TARENTUM—*Tarentum Machine Co.
TATAMY—*†Messinger Mfg. Co. (Agl. Impts., Threshers, Planters, Grain Cleaning Machinery & Engines)
TIDIOUTE—*Grettenberger, Fred
TIONA—*Norris, W. C. (Oil Well Tools, etc.)
TITUSVILLE—*†American Radiator Co. (See Chicago, Ill.)
†Burgess, Chas. (Steel Castings & Steel Mfr.)
*†Titusville Forge Co. (Iron Fdrs., Machinists & Forgings)
*†§Titusville Iron Co. (Steam Engines, etc.)
*†Young, E. R. & Sons (Engines, etc.)
TOPTON—*†Topton Foundry & Machine Co.
TOWANDA—*†§Humphrey Mfg. Co. (Iron Fdrs. & Machinists)
TRAFFORD CITY—Westinghouse Foundry Co
TROY—*†Troy Engine & Machine Co. (Jno. A. Parsons, Prop.). (Engines, etc.)
TUNKHANNOCK—*†§Avery, F. P.
TYRONE—*†Burley Heater Co. (Grey Iron Castings, Heaters, etc.)
*†§Stine, J. C., Co. (Haulage Engines, Mine Fans, Incline Drums, etc.)
UNION CITY—*†Industrial Iron Works
UNION FURNACE—*†Union Furnace Mfg. Co. (Hot Air Registers, Shovels, Rakes, Hoes, etc.)
UNIONTOWN—*†American Brake Shoe & Foundry Co. (See Mahwah, N. J.)
*Evans Mould & Machine Co.
*†§McCrum-Howell Co. (Hot Air Furnaces, Radiators & Heating Apparatus, etc.) Main office, New York
†Miller Foundry Co.
†Union Foundry (Andrew D. Jaquett, Prop.)
VANDERGRIFT—*†§United Engineering & Foundry Co. (See Pittsburg, Pa.)
VERONA—*†General Castings Co. (Steel Castings)
*Kowalsky, B. J. Engine Co.
WANAMAKERS—†Klingman, L. J.
WARREN—*†§Allegany Foundry Co. (Grey Iron & Brass Fdrs. & Semi-Steel Castings & Machinists, etc.)
*†§Barnhardt & Davis
§Bashlin Co. (Brass Fdrs. & Valves, etc.)
*†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Brass & Iron Fdrs.)
*Hammond Iron Works (Boilers & Machinists, etc.)
*†Jacobson Machine Mfg. Co. (Air Compressors, Power Transmitting Machinery, Vices, Clutches, etc.)
*†Struthers-Well Co. (Gas Engines, Boilers, etc.)
*Warren Axe & Tool Co. (Edge Tools, etc.)
*Warren Steel Car Works (Steel Cars, etc.)
WASHINGTON—*Chapman Sucker Rod Co. (Sucker Rods, etc.)
*Gardner Convertible Steam & Gas Engine Co.
*†§Northrup, B. D.
*Rose, G. W.
†Washington Foundry & Mfg. Co.
*Zahniser Bros. & Sten (Machinists)
WATSONTOWN—†§Jones, J. W.
WAYNE—Wayne Iron Works (See Phila., Pa.)
WAYNESBORO—*†Emmert Mfg. Co. (Vises etc.)
*†§Frick Co. (Steam & Traction Engines, Ice Machinery & Agl. Implts, etc.)
*†§Geiser Mfg. Co. (Steam & Traction Engines, Agl. Implts., etc.)
*†Landis Machine Co. (Tool Grinders, etc.)
Victor Tool Co. (Machine Tools, etc.)
WAYNESBURG—*Zahneiser Bros. (Oil & Gas Well Tools, etc.)
WEATHERLY—*†§Weatherly Foundry & Machine Co. (Grey Iron Castings, Railroad. etc.)
WEST CHESTER—*Dairy Specialty Co. (Dairy Machinery)
*Hoopes, John (Dairy Machy., etc.)
*Mayer & Eachus
*Price, Jos. T.
*†Sharpels Separator Co. (Dairy Machinery & Supplies, etc.)
WEST NEWTON—*†§Moore & Butts
*Neff, H. S. & Co.
*†United States Radiator & Boiler Co. (Radiators, etc.)
WEST SALISBURG—*†§Knecht, M. & Sons
WHEATLAND—†Sharon Foundry Co. (Rolling Mill Castings, Ingot Molds, etc.)
WHITE HAVEN—*†Wallace, Saml. (Est. of)
WILKES-BARRE—†Eagle Iron Works
*†Gates Foundry Co.
*Johnson, Robt. (Machinist)
*Le Grand Mine Drill Works (Steam Mine Drills)
*MacCullum, John
*Nicholson, W. H. & Co. (Expanding Mandrels, Compression & Flange Couplings, etc.)
*§Royer & Zweibel (Brass Fdrs., etc.)
*†Sheldon Axle Co. (Carriage Axles, etc.)
*§Shelley, George & Son
*†§Vulcan Iron Works (Iron Fdrs., Engines, Mining Machy., etc.)
*†Wilkes-Barre Iron Mfg. Co.
WILLIAMSPORT—*†American Woodworking Machinery Co. (See Rochester, N. Y.)
*†§Darling Pump & Mfg. Co. (Machinists & Iron & Brass Fdrs., etc.)
Foucart, Jno. E. (Saws, Machines, Knives, etc.)
*†Hermance Machine Co. (Woodworking Mach'y)
*Keeler, E. Co. (Machinists & Boilermakers)
*Link, Jas. H. Machinery Co. (Saw Mill Machy., etc.)
*†§Lycoming Fdry. & Machine Co. (Sewing Machines, etc.)
*Moltz, Jacob J.

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*†National Foundry Mfg. & Supply Co. (Power Transmitting Machinery & Grey Iron Castings)
*†Rothfuss-Howard Iron Works (Engines & Saw Mill Machinery)
†Rundio, Nelson L.
*†Shepherd Engineering Co. (Steam Engine)
*†Sweet's Steel Co. (Steel Castings & Machine Shop)
*†§United States Machine Co. (Woodworking Machinery & Iron & Brass Castings)
*†§Valley Iron Works (Power Transmitting Machinery & Steam Engines, etc.)
*Willinger, W. E. (Dies, etc.)
*†Williamsport Gas Engine Co. (Gas & Gasoline Engines)
*Williamsport Iron & Nail Co.
*†Williamsport Radiator Co. (Radiators, etc.)
†Williamsport Staple Co. (Hardware & Harness Specialties)
WILMERDING—*†§Westinghouse Air Brake Co.
*†Westinghouse Traction Brake Co. (Electric Car Brakes, etc.)
WINDOM—*Kauffman, Harry M.
WOMELSDROF—†Beyerle, Wm.
WRIGHTSVILLE—*Dissinger, C. H. A. & Bro. (Gasoline Engines, etc.)
†Riverside Foundry Co.
*†Susquehanna Casting Co. (Light Castings & Hardware Specialties)
*†Wrightsville Hardware Co. (Builders' & Hardware, etc.)
WYNDMOOR—*†§Nelson Valve Co. (Valve Mfrs.)
WYOMING—*Eagan, Jas. (Mine Drills, etc.)
YORK—*†§Bromell, Schmidt & Steacy Co. (Heating Apparatus, Ranges, Kilns & Grey Iron Castings, etc.)
*Burrows Mfg. Co. (Valves, Regulators, etc.)
*†§Eyster, Weiser & Co. (Water Wheels Powder Mill Machy. & Car Castings)
*†§Farquhar, A. B. Co. Ltd., (Agrl. Implts., Traction & Steam Engines, etc.)
*Flinchbaugh Mfg. Co. (Gas & Gasoline Engines, etc.)
*Graybill, John E. & Co., Inc. (Electrical Supplies)
*†Hench & Dromgold Co., Inc. (Agl. Implts., Grain Drills, Plows, Cultivators, Harrows, etc.)
*Henry, Millard & Henry (Gas & Gasoline Engines, etc.)
†Keystone Farm Machine Co. (Agrl. Implts., Plows, Cultivators)
*Motter, Geo. F. & Sons (Steam Engines)
†Penna. Foundry Co. (Grey Iron Castings, etc.)
*Root, B. M. Co. (Woodworking Machy.)
*Ruth Machine Co. (Knitting Machines)
*†§Smith, S. Morgan Co. (Turbines, etc.)
*†Smyser, Royer, Co. (Grey Iron & Builders' Castings, etc.)
*†§Spangler Mfg. Co. (Agl. Implts., Grain Drills, Harrows, Planters, Saw Mills, etc.)
*Wiest, Michael & Son
*York Bridge Co. (Steel Bridges, Steel Derricks, etc.)
*York Electric & Machine Co. (Incandescent Lamp Making & Special Machy.)
*†§York Foundry & Machine Co.
*†§York Mfg. Co. (Ice & Refrigerator Machinery, Corliss Engines & Castings, etc.)
*†York Safe & Lock Co.
*York Wagon Gear Co. (Ltd.) (Wagon Gears)
YOUNGS—*†Graver, Geo. A. (Iron Fdry. & Machinist)
YOUNGSVILLE—*Sagerdahl, J. A.
ZELIENOPLE—*†Herman Pneumatic Machine Co. (Foundry Molding Machines, etc.)
*†Iron City Sanitary Mfg. Co. (See Pittsburg, Pa.)
*†Specialty Foundry Co.

RHODE ISLAND.

BRIDGETON—*§Hopkins Machine W'ks (Inc.) (Textile Machinery)
BRISTOL—*†Herreshoff Mfg. Co. (Yacht Bldrs)
CENTRAL FALLS—*Mossberg Wrench Co. (Special Machinery, Wrenches, etc.)
§Newell, F. E. (Brass Fdry.)
EAST GREENWICH—*Nock, F. S. (Engine
*Arnold, Jas. E. & Power Boat Builder)
HILLS GROVE—†Rhode Island Malleable Iron Works (Malleable Iron Castings)
HOPE VALLEY—*†§Nichols & Langworthy Machine Co. (Steam Engines, Printing Presses, etc.)
NEWPORT—*Burnham, Gilbert H. (Machinists)
*†Newport Engineering Works
*†Newport Foundry & Machine Co.
*Owen, Thos. G. (Machinst)
*§Stedman, P. H. (Brass Fdry. & Finisher)
PAWTUCKET—*Blackstone Machine Co.
*Carpenter, J. M. Tap & Die Co. (Taps & Dies)
*Cole Bros. (Textile Machy., etc.)
*Collins Bros. Machine Co. (Machinists)
*Collyer Machine Co. (Engineers & Machinists)
*Dawson, A. (Tipping Machines)
*Easton & Burnham Machine Co. (Textile Machinery, Spindles & Machinists)
*†Fales & Jenks Machine Co. (Machine Tools, etc.)
*Haskell Wm. H. Mfg. Co. (Machinists, Bolts, Nuts, etc.)
*Hemphill Mfg. Co. (Knitting Machinery)
*†§Howard & Bullough American Machine Co. (Cotton Mach'y). (See Boston, Mass.)
*†Jenckes, E. Mfg. Co. (Knitting Machinery, etc.)
§Jenkinson, Jno. (Brass Founder)
*Luther, C. A., & Co. (Textile Machy.)
§McKenna, Frank & Co. (Brass Founders)
*Moncrief, James A.
*Narragansett Machine Co. (Machinery & Gymnasium Supplies)
*New England Machine & Electric Co.
*Pawtucket Mfg. Co. (Mach., Bolts, Nuts, etc.)
*Payne, Geo. W. Co. (Textile Machy.)
*†Potter & Johnston Machine Co. (Machine Tools, etc.)
*Slocum, Wm. H., Co. (Machy., Forgings, etc.)
*†White, J. S. Co. (Iron Fdrs. & Machinists)
PROVIDENCE—*Adams Bros., 224 Eddy
*§Allen Fire Dept. Supply Co., 171 Eddy
*American Ball Co. (Steel Balls, etc.), Eagle & Kinsley av
*†American Locomotive Co. (Locomotives), (See New York)
*†American Ship Windlass Co. (Windlasses, Winches, Steam Towing Machines, Castings, etc.)
*†American & British Mfg. Co. (Corliss Engines, Driving Wheels, etc.)
*Angell, Chas. E. (Machinist), 21 Eddy
†Barstow Stove Co. (Stoves, etc.)
*Beaman & Smith Co. (Machine Tools).
*Blaisdell, S. S. Machine Co., 130 Orange
*Bragg, Jno. I. (Wool, Combs, etc.), 24 Atwood
*†Brown & Sharpe Mfg. Co. (Machine Tools, Machinists' Small Tools & Grey Iron Castings)
*†§Builders' Iron Foundry (Grinding Machinery & Iron & Heavy Bronze Castings)
*Bullard Automatic Wrench Co. (Inc.) (Wrenches, etc.)
§Carpenter, H. T. & Co., 157 Orange
†Calvin Fdry Co. (Castings of All Kinds)
*†§Crompton & Knowles Loom Works (Textile Mach'y.). (See Worcester, Mass.)
*Cruickshank Engine Co. (Stationary & Yacht Engines), 286 Dyer
*§D & W FUSE CO. (See adv. index, end of book)
*Dart, E. M. Mfg. Co. (Unions, Couplings, etc.)
*Diamond Machine Co. (Grinding Machinery), 9 Codding
*Excelsior Steam Engine & Machine Co., 80 Friendship
*Field, Chas. H. (Tool Grinders & Polishers), 112 Point
*†Franklin Machine Co. (Cotton Machinery), 189 Charles
§Fuller, Frederic (Church Bells & Bronze Castings), 604 S. Main
*†Fuller Iron Works (Cast Iron Pipe & Machy. Castings), 40 Tockwotton
†General Fire Extinguisher Co. (Cast Iron Pipe & Fittings, Valves, Steam Goods, etc.)
§Gorman Mfg. Co. (Brass & Bronze Fdrs., etc.)
*Graham Mfg. Co. (Vises, Drill Speeders, etc.)
*Harris, W. A., Steam Engine Co. (Corliss Engines)
*Heathcote, Jno. & Son (Woollen Machinery), 212 Eddy
*Holt, W. H., Mfg. Co. (Special Machinery, etc.), 7 Eddy
*Hope, Jno., & Sons, Engraving & Mfg. Co. (Engraving Machy.), Mashapaug & Hughes, Wm. Co., Bough st, Elmwood
*§Iroquois Machine Co. (Tool Grinders, Bearings, etc.)
*Langelier Mfg. Co. (Special Machy.)
*McWilliams, Thomas, 237 Eddy
*Mann, Chas. A., 166 Doyle av
*Mechanical Accountant Co. (Adding Machines, etc.)
†Miller Iron Co. (Castings, etc.), 516 Harris ave.
*†New England Butt Co. (Braiding Machinery etc.), 304 Pearl
*Nicholson File Co. (Files, Rasps, etc.)
*Parkinson, Edw. Mfg. Co. (Machinist), 84 Sprague
§Providence Art Metal Co., 137 Clifford
§Providence Brass Fdry. & Machine Co. (Brass & Bronze Castings)
*Providence Engineering Works (Corliss & Pumping Engines, etc.)
*†Providence Machine Co. (Textile Machinery)
*Providence Mfg. & Tool Co. (Tools, etc.) 17 Warren
*Providence Steam Trap Co. (Steam Traps, etc.), 16 Diamond
†Providence Steel & Iron Co.
*Rhode Island Braiding Machine Co. (Textile Machinery)
§Rhode Island Brass Foundry (Brass & Bronze Castings)
*Rhode Island Elevator & Machine Co. (Elevators & Machinery), 12 Beverly
*Rhode Island Machine Co. (Tools, etc.)
*Rhode Island Tool Co. (Tools, Nuts, etc.)
*Richards, Isaac P. Co. (Punches, Dies, etc.)
§Rogers, Wm., Silver Co. (Silverware)
*Rushton, Carroll Co. (Textile Machinery). 10 Eliza
*Scholfield, Jos, J. (Gears & Pulleys, etc.), 282 Dyer
*Schott Bros. (Button Machinery)
*Scott, Henry L. & Co. (Machinists), 227 Eddy
§Shirley, Jno. B. & Sons (Gas Fixtures)
*Slocomb, J. T. Co. (Machine Tools)
*Standard Machinery Co. (Presses, Drops, Rolling Mills, Draw Benches, etc.)
*†§Textile Finishing Machinery Co. (Textile Machinery, 88 Exchange pl
*Thomas & Lowe Machinery Co., 68 W Exchange pl
*Thurston Mfg. Co. (Jewellers' Machinery)
*†Tower, James H. (Iron Work of all kinds), 46 Borden
*U. S. Bobbin & Shuttle Co. (Textile Machinery)
*Universal Winding Co. (Winding Machines).
*Wheelwright Filler & Mfg. Co. (Paper Machinery, etc.)
§White-Stillman Foundry Co. (Brass Fdrs.),
*Winsor, Ira & Co., 169 Dorrance
*Winsor & Jerauld Mfg. Co. (Textile Machinery), 223 Harrison
RIVER POINT—†Brayton, L. Foundry Co.
VALLEY FALLS—*Hindley Mfg. Co. (Castings, Keys, etc.)
†Valley Falls Iron Foundry
WARREN—*Potter, Collamore & Co.
*†§Textile Finishing Machinery Co. (See Providence, R. I.)
WESTERLY—*†§Cottrell, C. B. & Sons Co. (Printing Presses, etc.)
*Kenyon Machine & Automobile Repairing Co.
*Wilcox, Donahue & Co. (Stone Tools, etc.)
WOONSOCKET—*American Wringer Co. (See New York City)
*Knight, Geo. C. (Machinist)
*Taft-Pierce Mfg. Co.
*†§Woonsocket Machine & Press Co. (Textile Machy.)
*Woonsocket Napping Machinery Co. (Textile Machy.)

SOUTH CAROLINA.

ANDERSON—†Anderson Mach. & Fdry. Co.
BLACKSBURG—*†§Blacksburg Machine & Iron Works)
CHARLESTON—*†§Charleston Iron Works (Machinery, Engines, Rollers, etc.)
*†§Riley, Jno. F. Fdry. & Machine Works (Brass & Iron Castings, Forgings, Machinists, etc.)
*†§Riverside Iron Works (Machinists, Fdrs., Shipsmiths, etc.)
*†§Valk & Murdoch Iron Wks. (Iron Fdrs., Machinists & Machinery)
†Virginia-Carolina Chemical Co. Fdy. Department)
CHERAW—*†§Pee Dee Iron Works
CHESTER—*Chester Machine & Lbr. Co.
COLUMBIA—*†§Columbia Machine & Iron Works
†§Palmetto Iron Works (Geo. A. Shields, Prop.)
*†§Willis, J. A. (Steam Engines, etc.)

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CONWAY——†Conway Iron Works
CORNWELL—*McKeown, W. O., & Sons
DILLON—*Dillon Plow & Novelty Works (Plows, etc.)
FLORENCE—*†Atlantic Coast Line R. R. Shops
GAFFNEY—*†§Cherokee Fdy. & Mach. Wks
GEORGETOWN—*†§Atlantic Coast Lumber
*†Georgetown Iron Works Co.
GREENVILLE—*†§Mountain City Fdry. & Machine Works (Inc.)
LAURENS—*†§Eureka Fdry. & Supply Co.
McCOLL—*Fletcher, John C. (Cotton Plant-
MARION—†McDuffie, Emerson ers, etc.)
ORANGEBURG—Smoak, J. W.
ROCK HILL—†Sylecau Mfg. Co.
SALUDA—†Crout, J. M.
SENECA—*†Seneca Iron Works
SPARTANBURG—*†§Morgan Wood & Iron
*†§Russell-Compton Co. Works
SUMTER—†Sumter Iron Works
*†§Sumter Machinery Co.
WALTERBORO—*†Cummings Irón Works & Supply Co.

SOUTH DAKOTA.

ABERDEEN—*†Hub City Iron Works
CANTON—*Ellingson, E. E.
DEADWOOD—*†§Black Hills Mfg. Co.
DELL RAPIDS—*Sioux Hdw. & Construction
DESMET—†Desmet Stove Co. (Stoves) Co.
EPIPHANY—*Kersten, M. T. Co.
LEAD—*†§Homestake Mining Co.
MITCHELL—*†Mitchell Boiler & Machine Co.
MELLETTE—*Oberle, John
RAPID CITY—*†§Downie-Wright Mfg. Co.
REDFIELD—*†§Norbeck & Nicholson Co. (Iron Fdrs. & Machinists)
SIOUX FALLS—*†§Pankow Bros. (Fdrs. & Machinists)
*Sioux Falls Plow Co. (Plows, etc.)
VALLEY SPRINGS—*Running, C. O.
WATERTOWN—*Hanten Machine Co.
*Hess & Ran
WEBSTER—*Magnus, Wm. (Machinist)
WOONSOCKET—†Janssen, J. H.
YANKTON—*Fanslow Bros (Machinists)
*Veiling, Anton

TENNESSEE.

BRISTOL—*†§Dixie Foundry & Machine Wks
*†§Enterprise Foundry & Machine Works
*†§V. & S. W. R. R. Shops
CHATTANOOGA—†Acheson Foundry Works
*†American Brake Shoe & Foundry Co. (See Mahwah, N. J.)
*American Mfg. Co. (Light Hardware, etc.)
*Arithmetical Scale Co. (Computing Scales,
*Brown, T. W. & Bro. etc.)
†Cahill Iron Works (Iron Fdrs. & Machin-
*Carson Mfg. Co. ists)
*†Casey & Hedges Mfg. Co. (Cast Iron Soil Pipe & Fittings, Boiler Fronts & Castings, Grate Bars, etc.)
*†Chattanooga Car & Foundry Co. (Cars, Car Wheels, etc.)
*†Chattanooga Implement & Mfg. Co. (Hay Presses, Agl. Implts., etc.)
*†Chattanooga Machinery Co. (Air Compressors, Hoists, etc.)
*†Chattanooga Plow Co. (Plows, Cane Mills, etc.)
*§Chattanooga Roofing & Foundry Co. (Iron Fdrs., etc.)
*Chattanooga Saw Works (Saws, etc.)
†Chattanooga Stove Co. (Stoves)
†Eureka Foundry Co. (Iron Fdrs.)
†Frictionless Metal Co. (Bearings, etc.)
*†Gibson-White Co. (Stoves & Castings)
*Gonce Lock & Mfg. Co. (Locks, etc.)
*†§Gustafson Mfg. Co. (Cars, Mine Equipments, Rollers, etc.)
†Herron Iron Bedstead Co.
*Jones, George (Mining Mach'y, etc.)
*†Lookout Boiler & Mfg. Co. (Grey Iron Castings, etc.)
*McGregor, J. F. & Co. (Hardware Specialties, etc.)
§Moffett, Wm. (Brass Fdry.)
*†Mountain City Stove & Mfg. Co. (Stoves etc.)
*Nixon Mining Drill Co. (Mining Drills, etc.)
*†Patten Mfg. Co. (Electric & Gasoline Hoists, etc.)
†§Price Evans Foundry Co. (Iron & Brass Castings, Stoves, etc.)
*†Ross-Mechan Foundry Co. (Grey & Malleable Iron Castings, etc.)
*†Sanders-Newell Plow Co. (Plows, etc.)
*†Semter Mfg. Co. (Boilers, Mach'y, etc.)
*†Southern Skein & Foundry Co. (Grey Iron Castings, Wagon Skeins, Wagon Hardware, etc.), Chattanooga, Tenn.
*Standard Machinery Co. (Machinists &
*Star Pea Machine Co. Machinery)
*Street Bros. Machine Works
*Superior Machinery Co. (Hay Presses, etc.)
†Tennessee Stove Works (Stoves, etc.)
*Tower Mfg. Co. (Hay & Cotton Presses, etc.)
*†U. S. Cast Iron Pipe & Foundry Co. (See New York City)
*Vacuum Dyeing Machine Co.
§Vibrator Instrument Co.
*†Volunteer Disc Plow Co. (Plows, etc.)
*†Walsh & Weidner Boiler Co. (Boiler Fronts & Castings, etc.)
*†Wheland Machine Works (Engines, Saw Mill Machinery, etc.)
†§White, Wm., & Sons
CLARKEVILLE—*†Drane Foundry & Supply Co.
†Patch, A. H. (Corn Shellers, Feed Mills, etc.)
CLEVELAND — *†§Hardwick Stove Co. (Stoves)
COOKEVILLE—*Cookeville Machine Shop
ERIN—*Erin Mfg. Co. (Hay Presses, etc.)
GALLATIN—*Read, G. D.
HALLS—*Dawes & Davis
HARRIMAN—*†Harriman Hoe & Tool Co. (Hoes, Tools, etc.)
*†§Harriman Mfg. Co. (Agrl. Implts., Plows, etc.)
JACKSON—†§Heathcock & Bush Machine Co.
§I. C. R. R. Shops
§M. & O. R. R. Shops
*†§Southern Engine & Boiler Works (Engines, Saw Mill Machy., etc.)
†Wells-Jones Plow Co. (Plows, etc.)
JELLICO—*†§Jellico Foundry & Machine Co.
JOHNSON CITY—*†§Johnson City Foundry & Machine Works
KNOXVILLE—*American Spring Motor Co. (Electric Motors, etc.)
*Automatic Valve Grinding Machine Co. (Cock Grinding Machines, etc.)
*Biddle Mfg. Co. (Machinists)
*†Bowman, W. H. (Iron Fences, etc.)
*Dempster, Jas. (Machinist)
*Duncan, John G. Co.
†Enterprise Machine Works
†Fair Foundry Co. (Stoves, etc.)
*†§Fulton Co. (Specialties)
†Hammock Steel Range Co. (Steel Ranges, etc.)
*†§Knoxville Foundry & Machine Co.
*Knoxville Iron Co. (Machine Shop Attached to Works)
†Lonsdale Foundry Co.
*§Marland, Jno.
†Nelson, H. O., Iron Works (Iron Fences & Castings)
*†§Oliver, Wm. J. (Contractors' Cars, etc.)
*†Sanford-Day Iron Works (Car Wheels & Cars)
*Savage, W. J. & Co. (Mill Mach'y, etc.)
*†Scott's Patent Brick Car Co. (Castings, Brick Cars, Grate Bars, etc.)
*†Southern Pipe & Foundry Co.
§Southern Ry. Shops
*Tattersall, Jno. (Machinist)
*Ty-Sa-Man-Machine Co.
*Wolf, M. L. (Machinist)
LA GRANGE—†Gaither-Panky Plow Co.
LAWRENCEBURG—*Lawrenceburg Machine Co.
LENOIR CITY—*†Bass Foundry & Machine
LEWISBURG—*Green, A. J. & Son Co.
LEXINGTON—*†Lexington Machine Works
McMINNVILLE—*†Wrightman, D. M., & Son
MARYVILLE—†Golden Rule Stove Co. (Stoves, etc.)
MEMPHIS—*†American Car & Foundry Co. (See St. Louis, Mo.)
Beronio & Palmer
*Bodley Wagon Co. (Contractors, Wagons, Cars, etc.)
*Brown, Hinman & Huntington Co., (Agrl. Impits., etc.)
*†Chickasaw Iron Works (Iron Fdrs., Builders' Iron Work & Machinery)
*Eagle Machine Works (Machinists)
*†Ellis, Wm. C., & Sons (Agrl. Implts. & Machy.)
*†§Livermore Foundry & Machine Co. (Fdrs. & Machinists)
*§Memphis Brass Works
*†Memphis Machine Works (Saw Mill Machinery, etc.)
*Memphis Repair Works
*Southern Gun, Machine & Model Works
*Success Brick Machinery Co. (Brick Mach'y, etc.)
*Union Iron Wks. (Gas & Gasoline Engines)
*†Wetter, H. Mfg. Co. (Stoves, Cast Iron Soil Pipe, etc.)
*†White, Jno. & Son (Stoves)
MIDLAND—*Barnes, A. T.
NASHVILLE—*†Allen Mfg. Co. (Steel Ranges)
*†Atlas Machine Co.
*Bouchard, John & Sons Co.
*Braid Electric Co. (Elec. Specialties)
*†Cumberland Foundry & Mfg. Co.
*†Duncan & Co. (Stoves, etc.)
*Electric Candy Machine Co. (Confectioners' Machy.)
*†§Gray & Dudley Hardware Co.
†Jones & Hopkins Mfg. Co. (Stoves, etc.)
*Jonte, N. S. (Machinist)
*†§N. C. & St. L. Ry. Shops
†Napier Iron Works (Inc.)
*Nashville Machine Co. (Flour Mill Machinery)
*†§Phillips & Buttorff Mfg. Co. (Stoves, etc.)
*Rock City Machine Co. (Machinists)
*†§Stewart & Bruckner Co.
PULASKI—*†Pulaski Machine Co.
*West Bros.
ROCKWOOD—*†§Roane Iron Co.
SHELBYVILLE—*†Kahl, E. H.
SOUTH PITTSBURG—*†Blacklock Fdry. Co. (Sad-Irons, etc.)
*†Central Fdry. Co. (See New York City)
†South Pittsburg Foundry Co.
*†Wetter, H. Mfg. Co. (See Memphis)
TREZEVANT—*†Hurdle Bros. & Argo
TROY—†Kanady & Goodman (Stoves, etc.)
UNION CITY—†Semones & Son

TEXAS.

AMARILLO—*Amarillo Machine & Auto Co.
AUSTIN—*Gossard, A. R. (Mill Machinery)
*†§Heierman, Frank, & Bro.
*†§Tips Foundry & Machine Co.
BATSON—*Wynn, J. S.
BEAUMONT—*†§Beaumont Iron Works
*†§Neches Iron Works
BRENHAM—*†§Beaumier Iron Works
*Roff & Miller
BRYAN—*Stevenson Machinery & Repair Co.
CLARKSVILLE—*Miesch, John
CORSICANA—*†American Well & Prospecting Co. (Iron Fdrs., Machinists & Engineers)
*†§Clarkson, Wm.
DALLAS—*†Continental Gin Co. (Cotton Gins) (See Birmingham, Ala.)
§Dallas Brass Mfg. Co.
†Dallas Gin & Foundry Co.
*Graber, H. W. Mach. Co.
*†Mardwick Foundry & Machine Co.
*†Mosher Mfg. Co. (Grate Bars, etc.)
*†Murray Co. (Gin Machy. & Supplies)
*One Seed Planter Co. (Cotton Planters, etc.)
*†Sutton-Steele & Steele (Inc.) (Mining Machinery, etc.)
*†Texas Disc Plow Co. (Plows, etc.)
DENISON—*Clark, H. W.
†Knaur, Wm. E. & Co. (Iron Fdry.)
*§Knaur & Howe
EL CAMPO—*Lindstrom, C.
EL PASO—*†§Darbyshire Harvie Iron & Machine Co.
*†El Paso Foundry & Machine Co.
*†§Union Iron & Brass Works
FARMERSVILLE—*Rike & Bumpass
FORT WORTH—*†§Axtell Co. (Windmills,
†Bowdry & McKinley Iron Works etc.)
*†Fort Worth Gin Machinery Co. (Gin
*†§Gamer Co. Elevators, etc.)
†Horrell Bros. (Mach'y, Castings, Grate Bars, etc.)
*§Midland Brass Works (Brass Fdrs.)
*Southwestern Mechanical Co., N. Fort Worth
*Texas Anchor Fence Co. (Farm, Stock & Lawn Fencing, Gates, etc.)
*Texas Mfg. Co. (Cotton Gins, etc.)
*†Van Zandt-Moore Iron Works (Ice & Well Machinery & Builders' Iron Work)
GAINESVILLE—†§Gainesville Iron Works
*Moseley, John L.
GALVESTON—*†McDonough Iron W'ks (Steam
*†Union Iron Works Engines)
*†Walsh & Cleary (Iron Fdrs.)
HOUSTON—*†§Dickerson Car Wheel Co. (Car Wheels & Cartings)
*†§Hartwell Iron Works
*Houston Engineering & Machine Co.
*†§Houston & Texas Central Ry. Shops.
*§Kettler Brass Mfg. Co.
*†Layne & Bowler Co. (Pumps, etc.)
*†Ries, F. H.
*†§Southern Pacific Ry. Shops
*†§Union Iron Works
*†Waterman Car Wheel & Foundry Co.

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HUNTSVILLE—*†State Penitentiary
JEFFERSON—*†Jefferson Fdry. & Machine Shops
KELLYVILLE—†Kelly, G. A. Plow Co. (Agrl. Implts.) (See Longview, Tex.)
LAMPASAS—*Huling, Tom
LAREDO—*†§National of Mexico R. R. Shops
LONGVIEW—†Kelly, G. A. Plow Co. (Agrl. Implts.)
*§McDonald, G. B.
LUFKIN—*†Lufkin Fdry. & Machine Co.
MARSHALL—†Marshall Car Wheel & Fdry. Co. (Car Wheels, etc.)
§Texas & Pacific R. R. Shops
PALESTINE—*†Dilley, Geo. M. & Son (Iron Fdrs. & Cars & Castings, etc.)
PARIS—*Collins & Dulaney
*Graves, W. H.
*†§North Texas Foundry & Machine Co.
PITTSBURG—*†§Pittsburg Foundry & Machine Co.
QUEEN CITY—*†Queen City Iron Works (W. E. Boyd, Prop.)
RUSK—*†Pryor, James T.
*†State Penitentiary
SAN ANGELO—*†San Angelo Mfg. Co.
*Wright & Co.
SAN ANTONIO —*†§Alamo Iron Works
*†§Collins-Gunther Co. (Macaroni & Irrigating Machinery, Castings, etc.)
†San Antonio Foundry Co.
*†§San Antonio Machine & Supply Co.
*Southern Structural Steel Co.
SARATOGA—*Cheek & Graham
SHERMAN—*†§Washington Iron Works
TEMPLE—*†§Temple Foundry & Machine Co.
TEXARKANA—*†De Marce, Mrs. A. (Iron Fdy. & Steam Engines, etc.)
*†Texarkana Iron Works
WACO—*†§June. D., Machinery Co. (Mill & Gin Machy., etc.)
WEATHERFORD—*†Lewis J. R.
*†§Weatherford Machine & Foundry Co.
WHARTON—*Wharton Machine Shop
WICHITA FALLS—*Lucke, H. C. (Plows, etc.)
*†§Wichita Falls Foundry & Machine Co.
WYLIE—McDonald, W. T

UTAH.

MERCUR—*†§Consolidated Mercur Gold Mines
OGDEN—*†Pearce, Wm. Co.
PROVO—†Pierpont, T. F.
SALT LAKE CITY—*†Anderson, Wm. N.
*Crager Wire & Iron Works
*†§Davis, Howe & Co.
*Fowler, J. P.
*Hutchinson, C. P.
*†Oregon Short Line R. R. Shops
*†§Salt Lake Engineering Works (Mining Concentrating & Smelting Machinery)
*†Sherman Engineering Co. (Mining & Milling Mach'y, etc.)
*†§Silver Bros. Iron Works Co. (Iron & Brass Founders, Steam Engines)
*†§Silver, Hyrum A. Fdry. & Machine Co. (Mining, Milling & Smelting Mach'y, etc.)
*Trent Engineering & Machinery Co.
*†U. P. R. R. Shops
*†Union Foundry & Machinery Co.
*†Utah Foundry & Machine Co.
†Warm Springs Foundry Co.
†Western Foundry & Stove Repair Works

VERMONT.

BARRE—*†Smith, Whitcomb & Cook Co. (Stone Polishing & Working Machy)
BARTON—*†§Murkland, Jno. W.
BARTON—*†Murkland, Jno. W.
BELLOWS FALLS—*†§Bellows Paper Mach. Co. (Paper Mill Machy)
*†Vermont Farm Machine Co. (Creamery Machinery, etc.)
BENNINGTON—*Bradford & Lasher
*Cooper, Chas. (Knitting Machinery, etc.)
*†§Scott, Olin (Gun Powder, Paper & Pulp Mill Machy, etc.)
*Sibley, E. L. (Eyelet Presses)
BRANDON—†§Backus Co. (Heaters, etc.)
BRATTLEBORO—*Brattleboro Machine Wks etc.)
BURLINGTON—*Burlington Machine & Repair Co.
CHESTER—*Stearns, F. H. Mfg. & Supply Co.
DERBYLINE—*Butterfield & Co. (Taps & Dies, etc.)
EAST HIGHGATE—*Rixford Mfg. Co. (Scythes, Axles, etc.)
FAIRHAVEN—*Clogston, Luman
*†Dairymple, George
*†§Fair Haven Fdry. & Machine Co.
HIGHGATE—*†Highgate Foundry Co.
LUDLOW—*Warner, Edw. C.
LYNDONVILLE—§Wood, Edwin T.
MANCHESTER—*Hawley, E. J. & C. H. (Sand Feed & Stone Working Machy)
MIDDLETOWN SPRINGS—*†Gray's, A. W. Sons, Inc. (Agrl. Implts., etc.)
*Gray, Fred E.
MONTPELIER—§Colton Mfg. Co. (Saddlery Hdw.)
*†§Lane Mfg. Co. (Woodworking Machy.), Traveling Cranes, etc.)
MORRISVILLE—*†§Morrisville Foundry Co.
NORTH TUNBRIDGE—†Smith, R. C. & C. B.
POULTNEY—*†Ruggles Machine Co. (Slate Machinery, etc.)
RANDOLPH—†Sargent, Osgood & Roundy (Plows, Farm Machinery, etc.)
RUTLAND—*Frenier & Son (Sand Pumps & Stone Working Machinery)
*Grimm, G. H. (Evaporators, Steel Ranges, etc.)
*†§Howe Scale Co. (Scales, Engines, Power Hammers, etc.)
*†§Lincoln Iron Works (Stone Working Machy, etc.)
†Patch, F. R. Mfg. Co. (Stone Working Machy, etc.)
*Rutland Machine & Auto Co.
*†Steam Stone Cutter Co. (Stone Working Machy, etc.)
*Stewart, L. & J. A. (Can Makers' Machinery, etc.)
ST. ALBANS—*†§Central Vermont R. R. Shops
*†St. Albans Foundry & Implement Co. Agrl. Implts., etc.)
SAINT JOHNSBURY—*American Fork & Hoe Co. (See Cleveland, O.)
*Clark, Calvin L. (Threshing Machines, etc.)
*†§Fairbanks, E. & T. & Co. (Scales, Power
*§Hooker, O. V. & Son Hammers, etc.)
SOUTH SHAFTSBURY—†Eagle Square Mfg. Co. (Steel & Iron Bedsteads, etc.)
SPRINGFIELD—*†Fellows Gear Shaper Co. (Gear Shaping Machines)
*Gilman & Son (Last Lathes, etc.)
*†Jones & Lamson Machine Co. (Machine Tools, etc.)
*Parks & Woolson Machine Co. (Textile
†§Vermont Snath Co. Machy.)
WALLINGFORD—American Fork & Hoe Co. (See Cleveland, O.)
*Wallingford Mfg. Co. (Hdw. Specialties, etc.)
WATERBURY—*†§Cooley Mfg. Co. (Gas Engines)
WESTMINSTER STATION—*Abenaque Machine Works (Gas & Gasoline Engines, etc.)
WEST RUTLAND—*North, Aaron E. (Water Wheels)
WILLIAMSTOWN—*Gregory, Jas. E. (Machinist)
WINDSOR—Hubbard & McClary (Hdw. Specialties)
*†Windsor Machine Co. (Machine Tools, etc.)
WINOOSKI—*†§Stevens Machine Co. (Wood Working Machy)
WOODSTOCK—*†Daniels Machine Co. (Agl. Implts., etc.)

VIRGINIA.

ALEXANDRIA—*Aitcheson, J. & H.
*†Alexandria Iron Works (Iron Fdrs., etc.)
*†Emerson Steam Pump Co. (Steam Pumps, etc.)
BASIC CITY—*†American Concentrator Co. (Mining Machinery, etc.)
†Virginia Stove & Mfg. Co. (Stoves, etc.)
BERKLEY—*Berkley Machine Works
Old Dominion Iron Works
BRIDGEWATER—*Miller, W. H.
BRISTOL—†Bristol Stove & Foundry Co.
BUENA VISTA—*†Buena Vista Foundry Co.
CHARLOTTESVILLE—*†Harris, R. F. & Co. (Agrl. Implts., etc.)
*Marshall, George B., Jr.
CHRIATIANSBURG — *†§ Christiansburg Chilled Plow & Machine Works
*Fagg & Rowzie
COVINGTON—*†§Covington Machine Co.
CULPEPPER—*Nalle, T. E.
DANVILLE—*†§ Carter, J. T. (Machinist & Fdry.)
*†Westbrook, J. B., Elevator Co. (Elevators & Tobacco Machinery, etc.)
FINCASTLE—*†Bowyer, O. M. (Machinist & Fdry.)
FREDRICKSBURG — †Hunter, Chas. E. (Plows, etc.)
GLADE SPRING—*Wildasin, C. E.
GRAHAM—*†§Thistle Foundry & Machine Co.
HAMPTON—*†§Hampton Mfg. Co. (Agrl. Implements, etc.)
HARRISONBURG—†Bradley, P. & Sons (Plows & Agrl. Implts.)
*Garber & Garber
KEYSVILLE—†Keysille Plow Works (Plows, etc.)
LYNCHBURG—*†§Glamorgan Pipe & Fdry. Co. (Cast Iron Pipe, etc.)
*Hicks, C. W.
*†§Hubard Foundry & Machine Works
*†§Lynchburg Foundry Co. (Cast Iron Gas & Water Pipe & General Foundry Work)
MANCHESTER—*†§Southern Railway Shops
MARION—*†Look & Lincoln (Inc.) (Agrl. Implements, Wagons, etc.)
*†§Marion Fdry. & Machine Works
MARTINSVILLE—*†§Chesshire, J. W. &
NEWPORT NEWS—†Gildersleeve, E. Sons
*†§Newport News Ship Building & Dry Dock Co. (Steel Ships, Marine Engines, etc.)
*Warwick Machine Co. (Machinists)
NORFOLK—*†§Atlantic Iron Works (Iron & Brass Castings of Every Description)
*†Billups, C. Son & Co. (Agr'l Impl'ts, etc.)
*Chesapeake Launch & Motor Co. (Marine
†Donohue & Marsden Engines, etc.)
*Duvall, Geo. W. & Co.
*†§Edmonds, Walter A. & Co.
*†Elizabeth Iron Works (Engines, Boilers, Forgings, etc.)
*†Etna Iron Works (Machinists, Iron & Brass Castings, Grate Bars, etc.)
*†Goodwin, T. W. & Co.
*Norfolk Woodworking Machinery Co. (Woodworking Mach'y, etc.)
*†§Ridgewell & Hall
*Smith & McCoy (Engines, etc.)
*†§White, S. R. & Bro. (Agrl. Implts.)
†Whitehurst, R. W. & Co. (Agrl. Implts., etc.)
NORTON—*†§Norton Car & Foundry Co.
PARKSLEY—*McCready, A. J.
PETERSBURG—*†Ayers, J. R.
*†Steere, A. L. & C. H.
*†§Titus, Elmer E. (Iron Fdry. & Basket & Veneer Cutting Machy., etc.)
PHOEBUS—*†§Sayre Bros.
POCAHONTAS—*†§Pocahontas Collieries Co.
POOLVILLE—†Pool, S. P.
PORT REPUBLIC—†Port Republic Foundry
PORTSMOUTH—*†§U. S. Navy Yard Co.
*†§Seaboard Air Line
PULASKI—*†Pulaski Foundry & Machine
*†§Virginia Iron, Coal & Coke Co. Co.
PURCELLVILLE—*†Purcellville Fdry. Co.
RADFORD—*†Lynchburg Foundry Co. (Cast Iron Pipe, etc.)
RICHMOND—*†§American Locomotive Co. (Locomotives). (See New York City)
*†Call-Watt Co. (Plows, etc.)
†Cameron Stove Co. (Stoves, etc.)
*†§Cardwell Machine Co. (Machinists &
†§Carr, Jas. W. Fdrs.)
*Coffee Machine Co. (Machinists)
†Continental Stove Co. (Stoves, etc.)
*Ford, Chas B. Co.
†Frictionless Metal Co. (Bearings, etc.) (See Chattanooga, Tenn.)
*†Johnson, J. R. & Co. (Car Axles, etc.)
*McLauchlan, Thos.
*†§Mayo Iron Works
†Old Dominion Iron & Nail Works Co. (Iron Fdrs. & Nails & Bar Iron, etc.)
*†Oliver Chilled Plow Works (Agrl. Implements)
*†Richmond Electric Co. (Dynamos, etc.)
*Richmond Engine & Pump Co.
*†§Richmond Fdry. & Mfg. Co. (Light Grey Iron & Brass, Rough and Machined Castings)
*†§Richmond Iron Works (Iron & Brass Castings, Builders' Iron Work)
*†§Richmond Mfg. Co. (Engines, Motors, etc.)
†Richmond Pattern & Structural Iron Works (Stove Mfrs. & Castings)
†Richmond Stove Co. (Stoves, etc.)
*Smith-Courtney Co. (Machinists, etc.)
†Southern Stove Works (Stoves, etc.)
†Starke's Dixie Plow Works (Agrl. Implements, etc.)
*†§Strickland Machine Co. (Machinists & Fdrs.)
*Tower-Binford Electric & Mfg. Co. (Electrical Specialties)
*†§Tredegar Co. (Car Wheels & Brass & Iron Castings)
*Turner, Jno. & Son (Machinists)
*Umlauf, J. A. (Elevators)
*†Virginia Pipe & Foundry Co.
ROANOKE—*†§Norfolk & Western R. R.
*†§Roanoke Iron Works Shops
*†Virginia Bridge & Iron Co. (Bridge & Steel Structural Work, etc.)
RURAL RETREAT—*†Lobdell Car Wheel Co. (See Wilmington, Del.)

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SALEM—*†§Camden Iron Works (Iron Fdrs., etc.)
*Comas Machine Co. (Cigarette Machy.)
*†§Salem Foundry & Machine Wks (Flour Mill Mach'y)
STAUNTON—*†Leader Plow Co. (Plows, etc.)
†Stockton, B. F. & Bros.
SUFFOLK—*†Benthall Machine Co. (Peanut Picking Machines, etc.)
†Onsler, H. M.
SUTHERLIN—*†Kerns, H. O.
TOMSBROOK—†Powell's Fort Stove Co.
VESUVIUS—†Vesuvius Plow Works (Agrl. Implts.)
WAYNESBORO—†Loth, W. J. Stove Co. (Stoves)
*†Rife & Schoppert (Iron Fdrs. & Machinists)
WINCHESTER—*†Snapp, F. R., & Sons
WYTHEVILLE—*†§Wytheville Iron Works

WASHINGTON.

ABERDEEN—†Douglas Bros.
*†§Vulcan Iron Works (See Seattle
ANACORTES—*Anacortes Machine & Steam
ASOTIN—*Brown, L. K. Boiler Wks.
BELLINGHAM—*Bellingham Engineering & Machine Works
†Bellingham Foundry Co.
*†§Burpee & Letson (Ltd.)
*Excelsior Carbide & Gas Machine Co. (Gas Machines, etc.)
*†§Industrial Iron Works
*Walling, S. E.
*†§Whatcom Machinery Depot
BLAINE—*Rohrbacher, E. J.
BREMERTON—*†§U. S. Navy Yard
CENTRALIA—*§Symons, J. P. Co.
COLFAX—*†§Carley Bros.
DAVENPORT—*Davenport Machy. Co.
DAYTON—*†§Columbia-Dayton Iron Works (H. N. Pringle, Prop.)
ELLENSBURG—*†§Raskins, L.
EVERETT—*†Schofield, Fred
*†§Summer Iron Works (Saw & Shingle Mill Machy., Boilers, etc.)
†Washington Stove Works
FERNDALE—*Ferndale Iron Works
HOQUIAM—*†Gray's Harbor Iron Steel Co.
*Lamb, F. H.
KALAMA—*†Kalama Iron Works
LACCONER—*Wingren, Peter
NEWPORT—*Miner, F. W.
NORTH YAKIMA—*Holstein, A.
*†Yakima Iron Works
OLYMPIA—*Allen. R. N.
*Mason, C. Z.
*†§Pioneer Iron Works
PALOUSE—*Hallhide, R. & Co.
PROSSER—*†Prosser Iron Works
PUYALLUP—†Acme Malleable Iron & Fdry. Co.
RAYMOND—*†§Raymond Foundry & Mach.
RITZVILLE—*Landreth, W. H. Works
SEATTLE—*American Machine Works
*Bard Electric Co. (Inc.) (Electrical Machinery, etc., Repaired)
*Biegert, J. C. Machine Works (Mach'ts)
*Campbell Bros. (Marine & Stationary En-
†Cascade Steel Fdry. Co. gines, etc.)
*Elliott Bay Iron Works (Saw Mill Machinery, etc.)
§Enterprise Brass Foundry Co.
*Erickson-Wyman Co. (Electrical Elevators, Dynamos, Motors, etc.)
*Federal Valve Co.
*Fraser, W. B. (Machinist)
*Gifford, E. O. (Machinist)
*Hefernan Engine Works (Steam Engines,
*Hutton, A. F. (Machinist) etc.)
*Jones. Chas. C. & Co. (Machinists)
*McCabe. W. L. (Machinist)
*Marine Iron Works
*Meese & Gottfried Co. (See San Francisco, Cal.)
*Miller, J. K. (Blowers, Heating Apparatus, Ventilating Fans, etc.)
*†§Moran Co. (Ship Builders, Marine Engines, Iron & Brass Fdrs., etc.)
*N. & S. Electric Co. (Electric Motors,
†N. & S. Foundry Co. etc.)
*†Northwestern Iron Works (Iron Fdrs & Machinists & Marine, Mill & Mining Machinery)
†Olympic Foundry Co. (Builders' Castings, etc.)
*Philbrick Cutterhead Co. (Cutterheads)
†Popple & Knowles Co. (Furnaces, etc.)
*Puget Sound Machinery Depot (Jobbing,
*Schaake Machine Works Repairs, etc.)
*Seaborn Iron Works
§Seattle Brass Co. (Brass Fdrs.)
*†Seattle Car Mfg. Co. (Logging Trucks, Cars, etc.)
*†Seattle Frog & Switch Co. (Frogs, Switches, etc.)
*Seattle Machine Works (Machinists, etc.)
*Star Mach'y Co. (Gang Edgers, Hoists, etc.)
*Stetson-Ross Machine Works (Woodwork-
*§Tracy Bros. ing Machy.)
*†Union Iron Works
*Uren, Andrew (Machinist)
*†§Variety Iron Works (Machinery & Castings)
*†§Vulcan Iron Works (Iron & Brass Fdrs. & Mining Machy., etc.)
*†Washington Iron Works Co. (Hoisting & Logging Engines, Castings, etc.)
*†West Coast Iron Works
*†Westerman Iron Works (Iron Fdrs. & Machinists)
SEDRO WOOLLEY—*†§Sedro Woolley Iron Works
§NOHOMISH—*†Snohomish Iron Works Co.
SOUTH BELLINGHAM—*Burpee & Letson, Ltd. (Saw Mill Machinery)
SOUTH BEND—†Gilchrist, John G.
SPOKANE — *†§Armstrong Machinery Co. (Machinery, etc.)
*†§Barnard Mfg. Co. (Flour Mill Machin-
†Klein, Henry A. inery, etc.)
*†National Iron Works (Inc.) (Mining Machinery, Castings, etc.)
*Pacific Iron Works (Machinists)
*Simmons & Sons (Builders Iron & Machine Work)
*†§Spokane Harvester Co. (Agrl. Implts.)
*Spokane Ornamental Iron & Wire Works
*Uiley, J. D.
*†§Union Iron Works (Mining Machinery, Engines, Castings, etc.)
TACOMA—†§Atlas Foundry & Machine Co.
*§Bamford, Jesse (Brass Fdry. & Machinist)
*Brown Mfg. Co. (Mill Mach'y, etc.)
*†Carman Mfg. Co.
*†Gawley, Fdry. & Machine Works
*†§Griffin Wheel Co. (Car Wheels). (See Chicago, Ill.)
*†§McConnell Engineering & Machy. Co.
*Pacific Coast Elevator & Machine Co.
*†§Puget Sound Iron & Steel Works (Gasoline Engines, Log Hauls, etc.)
§Tacoma Ry. & Power Co.'s Shops
*†Tacoma Smelting Co. (Smelters, etc.)
*†Washington Pipe & Foundry Co.
THORNTON—*Hodgson Bros.
WALLA WALLA—*†§Hunt, Gilbert Co. (Agl. Implts., etc.)
*Washington Weeder Works (Disc Cultivators)

WEST VIRGINIA.

BLUEFIELD—†Superior Supply Co.
CAMERON—*Cameron Tool Co.
CHARLESTON—*†§Acme Boiler & Machine Works
*Agnew Electric Co. (Electric Machinery)
*†§Kanawha Mine Car Co (Coke Oven Castings, Mine Cars, Wheels & Axles,
*Kelly Axe Mfg. Co. (Axes, etc.) etc.)
*†§South Side Foundry & Machine Works (Iron Castings & Mine Fans, etc.)
†Ward, Chas., Engineering Co. (Marine Boilers, etc.)
CHARLESTOWN—*§Powhattan Brass & Iron Works (Brass Fdrs. & Brass Finishers'
*†Weller, J. F. Plumbing Goods)
CLARKSBURG — *†§Clarksburg Foundry & Casting Co.
*†Hart Bros. Machine Co. (Engines & Saw
*Osborne, W. B. Machine Co. Mills)
*†Osborne's, J. F. Sons (Iron Fdrs. & Engines & Saw Mills)
ELKINS—*†§Humphrey Mfg. Co.
*†§Quinn Bros. Foundry & Machine Co.
FAIRMONT — *Aultman Steam Pump Co.
*Donnelly, A. H. (Steam Pumps, etc.)
†Fairmont Foundry Co.
*†Fairmont Mining Machinery Co. (Mining Machinery & Soft Castings)
*†§Helmick Foundry & Machine Co. (Coal) & Coke Oven Equipments, etc.)
†Mountain City Stove & Mfg. Co. (Stoves, etc.)
GRAFTON—*†§Grafton Foundry & Machine
*Moran, Patrick Co.
*†§Newlon Foundry & Machine Co.
HINTON—†§Hinton Foundry, Machine & Plumbing Co.
HUNTINGTON—*†American Car & Fdry. Co. (See St. Louis, Mo.)
*†Globe Foundry Co. (See Port Chester, N. Y.)
†Huntington Stove & Foundry Co. (Stoves)
*†Ingram & O'Neal
*†§Jarvis Machinery & Supply Co.
*†Perfect Gas Stove Mfg. Co. (Gas Stoves, etc.)
†West Va. Foundry & Stove Co.
KEYSTONE—*†Central Machine Works
MANNINGTON—*Phillips, Chas., Tool Co.
MARTINSBURG—*†Matthews, T. E. & Bro.
*Shaffer, George H.
MORGANTOWN—*†§Romisch Mfg. Co.
MOUNDSVILLE—†Mountain State Gas Stove & Mfg. Co. (Gas Stoves, etc.)
*Three Barrell Gun Co. (Fire Arms)
NEW CUMBERLAND—*†§Davis-Price Fdry. & Machine Co.
NEW MARTINSVILLE—†Kotzebue, G. W., (Heaters, etc.)
PARKERSBURG—*Acme Fishing Tool Co. (Oil Well Supplies)
*American Drilling Tool Co. (Oil Well Sup-
*Crotty, J. J. & Co. plies)
†Kelley, Michael (Iron Fdry.)
*Kesselman & Co. (Machinists & Oil Well Tools, etc.)
*National Sucker Rod Co. (Sucker Rods, etc.)
*Parkersburg Machine Co. (Machinists)
*†§Stiles Foundry & Supply Co. (Machinists & Iron & Brass Fdrs.)
PHILIPPI—*†§Philippi Fdry. & Machy. Co.
PIEDMONT—*†§Piedmont Foundry & Mach. Co. (Iron Fdrs. & Machinists)
POINT PLEASANT—*†Point Pleasant Machine Works
†West Virginia Malleable Iron Co.
RONCEVRETE—*†§Eagle, J. W. P.
SISTERVILLE—†Davin, J. J.
*Finleyson, Jno.
*McJunkin, E. J.
*Sexton Machine Co.
WELLSBURG—*Teeple & Johnson
*†§Wellsburg Heating & Foundry Co. (Hot Air Furnaces)
WESTON—*†§Dancer Mfg. & Supply Co.
WHEELING—*†Center Foundry & Machine Co. (Glass House & Pottery Machy., etc.)
†Co-operative Stove Co. (Stoves)
*Hazel-Atlas Glass Co.
*†Mahlke, R. H. Mold & Machine Works
*Mutual Electric & Machine Co. (Electrical Brass & Copper Specialties)
*†National Tube Co. (Riverside Iron Works)
*†Portsmouth Steel Co. (Grey Iron & Steel Castings). Works, Portsmouth, O.
*Riverside Bridge Co.
*Sands, H. S. Electric & Mfg. Co.
*Spears & Riddle Co. (Machine Tools)
*Warwood Tool Co. (Tools, etc.)
*Weisgerber & Ebeling Machine Co.
*†§Wheeling Mold & Foundry Co. (Glass House & Rolling Mill Machy. & Castings)
*†Wheeling Steel & Iron Co. (Grey Iron Castings, etc.)
†Wheeling Stove & Range Co. (Stoves Ranges, etc.)

WISCONSIN.

ADBELL—†Helminger, Chas.
ALBANY—*Morgan & Whitcomb (Hardware Specialties)
ALGOMA—*†§Wodesedalek & Co.
ANTIGO—*†§Pioneer Iron Works
APPLETON—*†§Appleton Machine Co. (Paper & Pulp Mill Machinery)
*§Appleton Screen Plate Co.
*Becker, John E. (Plows, etc.)
*Double Power Mill Co. (Windmills, Agrl. Implements, etc.)
*†Eagle Mfg. Co. (Portable Gas Engines, etc.)
*Rowell, G. D. & Son (Concrete Block Machines)
*†§Valley Iron Works Co. (Iron & Bronze Castings & Wood Pulp Machy., Turbines.
ARCADIA—*Fernholz, Henry etc.)
ASHLAND—*†§Bretting, C. G. Mfg. Co.
†Sanders, Robert E. (Boilers, etc.)
BARABOO—*Farnum, O. H.
*Gollmar, George J.
BEAVER DAM—*†Beaver Dam Malleable Iron Co.
*†Beaver Dam Mfg. Co. (Agrl. Implts.,
*Harder, H. J. (Gas Engines) etc.)
*†Malleable Iron Range Co. (Malleable Iron Ranges)
*Ordway, A. F. & Son (Mill Machy)
*†Rowell, J. S. Mfg. Co. (Agl. Implts., etc)
BELOIT—*Beloit Foundry Co.
*†§Beloit Iron Works
*†Berlin Machine Works (Wood Working Machy)
*Dowd, R. J., Knife Works (Machine Knives, etc.)
*†§FAIRBANKS, MORSE & CO. (Gas Engines, etc. (See adv. index, end of book)
*Gardner Machine Co.
*†Gaston's, N. B. Sons Co. (Scales, etc.)
*†Gesley Mfg. Co. (Agrl. Implts.)
§Hammel, A.

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*Mattison, C. Machine Works (Variety Wood Turning Machines)
*†Slater & Marsden
*†Thompson, J. & Sons Mfg. Co. (Agrl. Implts., Engines, etc.)
*†Wood Turning Machine Co.
BERLIN—*†Johnson-Fortman Machine Works
*†Schaefer Mfg. Co. (Gas & Gasoline Engines, etc.)
BLACK EARTH—*Fesenfeld & Barber
BLOOMER—*Bloomer Machine Works
BOSCOBEL—*†Ruka Bros. Mfg. Co.
BRILLION—*†Brillion Iron Works
BRISTOL—*Curtis, Wells
BROOKLYN—*Farmers' Mutual Benefit & Trading Co.
BURLINGTON—*Agner & Bushman (Vending Machines)
*§Burlington Brass Works (General Brass Founders & Finishers)
*Lawton & Bushman (Tools, etc.)
*†Wagner Bros.
*Zwiebel, A., Jr.
CEDARBURG—*†Cedarburg Foundry Co.
CEDAR GROVE—*†§Wisconsin Foundry & Steel Works (Iron & Steel Castings)
CHILTON—†Vahldeck, A. H.
CHIPPEWA FALLS—*†Stanley, F. G. & C. A. Company
CLINTONVILLE—*Zachow & Besserdich
CLINTON—†Smith & Holtum Mfg. Co. (Castings, etc.)
COLBY—*Loos, E. D.
COLUMBUS—*Roberts, G. D. & Son
CORLISS—*Corliss Engineering Co.
*†Wisconsin Engine Co. (Corliss Engines, Mining & Rolling Machinery & Castings)
CUDAHY—*†Power & Mining Machinery Co. (Gas Engines, Mining Machinery, Boilers, Tanks, etc.)
DE PERE—*†§Lawton, Chas A. Co.
*†Lyons Boiler Works
†Western Steel & Iron Works
DORCHESTER—*Fleckenstein, V.
DOUSMAN—*Maxwell & Jenkins
EAU CLAIRE—*American Motor Co. (Gas Engines)
*Drake, P. A.
*†McDonough Mfg. Co. (Saw Mill Machinery, etc.)
*†§Northwestern Steel & Iron Works (Agl. Implements, etc.)
*†Phoenix Mfg. Co. (Saw Mill Machy., Steam Engines, etc.)
EDGERTON—Burgy, F. F. (Gasoline Engines, etc.)
ELKHORN—*Zwiebel & Griebel (Machinists)
ELLSWORTH—*†Rounce, J. S.
EVANSVILLE—*†§Baker Mfg. Co. (Wind Mills & Engines)
FOND DU LAC—*Abel Bros.
*†Fond Du Lac Implement Co. (Agl. Implements)
*†Giddings & Lewis Mfg. Co. (Iron Fdrs. & Saw Mill Machinery)
*Glasow, Fred (Plows)
*Hass, H. E. (Gas & Gasoline Engines)
*Quenton, Peter N. (Gas Engines)
FORT ATKINSON—*†§Cornish, Curtis & Green Mfg. Co. (Creamery Pkg. Mfg. Co., Chicago, Ill., Props.)
*Pounder, Geo. H. (Harrows, etc.)
FOUNTAIN CITY—*Dressendorfer, Andrew
GILLETT—*†Frisbie, Marion G.
GRAFTON—†Grafton Foundry Co.
GRAND RAPIDS—*†§Grand Rapids Fdy. Co.
*Krieger, Geo. F. & Co. (Machinists)
GREEN BAY—*†§American Wood Working Machinery Co. (See Rochester, N. Y.)
*†§Green Bay Foundry & Machine Co.
*Green Bay Machine Co.
*Hudson & Sharp
*Milwaukee Sander Mfg. Co.
†§Rothe, Jos. F. (Castings)
*Strunbel Machine Co.
HARTFORD—*Hartford Plow Co. (Plows, etc.)
HARTLAND—*Ordway, E. C.
HORICON—*†Van Brunt Mfg. Co. (Agl. Implements, etc.)
JANESVILLE—*†Badger State Machine Co. (Punching & Shearing Machinery)
*Bicknell Mfg. & Supply Co. (Power Machinery, etc.)
*†Janesville Machine Co. (Agl. Implts., etc.)
*†§New Doty Mfg. Co. (Punching & Shearing Machinery)
*Rock River Machine Co. (Punching & Shearing Machinery)
*Strickler Hay Tool Co. (Hay Tools, Hdw.)
JUNEAU—*Brensike, John Specialties, etc.)
*†Briemann, Chas. G.
KAUKAUNA—*Hoehne, Fred
*†§McLean, Alex. W. & Co.
KENOSHA—†§Arneson Foundry Co.
*Arnold, W. G. (Gas Engines, etc.)
§Badger Grass Mfg. Co. (Automobile Lamps, etc.)
*†§Frost Mfg. Co. (Plumbers' Supplies, Brass Goods, etc.)
*†§Jeffrey, Thos. B. & Co. (Automobiles)
†Lippert Iron Works
*†§Simmons Mfg. Co. (Metallic Bedsteads, etc.) (See Chicago, Ill.)
*Wells, Frank L. (Machinist)
KEWASKUM—*Remmel, Nicholas (Machinist)
KEWAUNEE—*†§Hamacek, Frank
KILBOURN—*†§Kilbourn Machine Co.
*†Marvel Motor Works (Gasoline Engines,
LA CROSSE—*Benton, Thos. P. & Son (Dynamos, Engines, etc.)
*Franklin Iron Works
*†§James Company (Grey Iron & Brass Castings)
*†§La Crosse Plow Co. (Plows, etc.)
*Ott, Benj. & Sons (Bark Shaving Mills)
*Peterson Gas Engine Works
*†Smith Grubber Co. (Stump Pullers, etc.)
*†Smith Mfg. Co. (Wagons, Grey Iron Castings, Stump Pullers, etc.)
*Stamping & Tool Co. (Steel Novelties, Dies, etc.)
*Starch Bros. (Cream Separators, etc.)
†Summit Foundry Co. (Stoves, Furnaces, etc.)
*†Torrence, Jno. & Son (Machinists & Builders & Machinery Castings, etc.)
LAKE MILLS—*†Fargo Creamery Supply House (Creamery Mach'y)
LANCASTER—*Hyde, E. H. (Machinist)
LOMIRA—*Zeidler Lamp & Brass Co. (Gasoline Torches)
LOYAL—*Etta Bros.
MADISON—*American Plow Co. (Agrl. Implements)
*†§Fuller & Johnson Mfg. Co. (Agrl. Implements, Gasoline Engines, etc.)
*†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Tool Grinders, Brass & Iron Founders)
*†§King & Walker Co. (Printing Presses,
*†§Kupfer, Theodore Power Shears, etc.)
*Madison-Kipp Lubricator Co. (Lubricators)
*Newberry & Peiper
*†Northern Electrical Mfg. Co. (Dynamos, Generators, etc.)
*Steinle Turret Machine Co. (Turret Lathes)
MANAWA—*Ory Mfg. Co.
MANITOWOC—§Aluminum Fdry. Co. (Aluminum Castings, etc.)
*†American Seating Co. (See Chicago, Ill.)
*Dedrich, N. (Special Mach'y, etc.)
Manitowoc Dry Dock Co. (Steel Ships, Engines, etc.)
*Gaterman Mfg. Co. (Agrl. Implts., etc.)
*Gunnell Machine Co.
*†§Richards Iron Works (Iron Fdry., etc.)
*†§Smalley Mfg. Co. (Agrl. Implts., Plows,
MARINETTE—*Sandlund, Peter etc.)
*†Stevens, A. W. Co. (Agrl. Implts., Engines, etc.)
MARSHFIELD—†Lang & Scharmann
*Mettelka, John J.
MARYTOWN—*Langenfeld, Jno.
MAUSTON—*Strong, H. C.
MENASHA—*†Paul-Luttman Co.
*†§Sailor, Whitmore Machine Co.
MENOMONEE FALLS—*†Rowell, L. B. Co. (Agl. Implts., Gasoline Engines, etc.)
MENOMONIE—*†§Anderson, Chas. J.
*†§Globe Iron Works Co. (Gasoline En-
MERRILL—*†§Merrill Iron Works
MILWAUKEE—*Acme Pattern & Mfg. Co., 159 Clinton
*†§ALLIS-CHALMERS CO. (Mining Machinery, Steam Turbines, Engines, Pumps, etc.). (See adv. index, end of book)
*†American Bridge Co., 17th st & St. Paul av. (See also New York City)
†Ashton, Thos., & Son (Grey Iron Castings), S Pierce & 24th av
*Badger Meter Mfg. Co., 261 3d
*Barth Mfg. Co. (Jacks, etc.), 348 Milwaukee
*†Bay View Steel Casting Co. (Steel Castings, etc.), 132 S. Bay
*†Bayley Mfg. Co. (Steam Fans & Blowers, etc.), 732 Greenbush
*Bierman Automatic Machine Co., 981 W. 24th
*†Brand Stove Co. (Stoves), 295 6th
*Brodesser Elevator Mfg. Co. (Elevators & Rolling Mill Mchy)
†Burnham, Clinton Foundry Co. (Iron Fdrs., etc.), 93 Mason
*†C., M. & St. P. R. R. Shops
†Central Foundry Co., 705 Park
*†Chain Belt Co. (Grey & Malleable Iron & Steel Castings, Conveyors, Chain Link, etc.), 786 Park
*Christensen, Niels A. (Air Compressors, etc.), 845 30th
*†Colnik, C. Mfg. Co. (Builders' Iron Work), 750 Greenbush
†Crucible Steel Casting Co. (Crucible Steel Castings)
*§CUTLER-HAMMER MFG. CO. (Electrical Specialties). (See adv. index, end of book)
*Davis Mfg. Co. (Hdwe. Specialties, etc.), 267 6th
*§Dengel, F. R. Mfg. Co. (Plumbers' Goods)
*Doelger & Kirsten, 507 Cedar 336 4th
*Downey & Kruse Co. (Marine Repairs, etc.), 112 2d
*Durant, W. N. Co. (Speed Indicators, Counting Machines), 317 Milwaukee
†Dutcher Co. (Steel Castings, etc.), 670 Kinnikinnic av
*Economical Tool Co. (Expansion Reamers, Tools, etc.)
*El Starr Mfg. Co. (Tool Grinders, etc.), 935 30th
†Elite Foundry Co., Howell av. & Schiller
*†Falk Co. (Steel Castings & Railroad Specialties), Menominee Valley ft 30th
*†§Filer & Stowell Co. (Steam, Gas & Gasoline Engines, Pumps, Saw Mill Machinery, etc.)
*†Fraser Co. (Engines & Milling Machines)
*†Fuller-Warren Co. (Stoves, etc.), 32d & Wright
†Galland-Henning Pneumatic Malting Drum Mfg. Co. (Brewers' & Malsters' Machinery), 97 Wisconsin
*†Greenslade Foundry Co., Jackson & Corcoran av
*Hackendahl & Schmidt Co. (Bldrs., Iron Work, etc.), 1518 St. Paul av
*Heil Co. (Structural Iron Wks, etc.), 26th & Dakota ave
*Heller, Siegfried (Electric Elevators & Hoisting Machinery), 290 5th
§Hewitt Mfg. Co. (Brass & Bronze Castings), 241 Greenfield av (See Chicago, Ill.)
*Hide & Leather Working Mach. Co., 655
*†Hirsch Bros. (Agrl. Implts.) E Water
*†§Hoffmann, B. Mfg. Co. (Iron & Brass Fdrs., Steam Pipe Fittings & Steam & Plumbing Goods), 257 6th
*†§Hoffman & Billings Mfg. Co. (Iron & Brass Fdrs. & Steam Fitters' & Plumbers' Supplies)
*Holt Electric Co. (Electrical Specialties), 235 Virginia
*†International Harvester Co. of America. Colby-Abbot Bldg. (See Chicago)
*§Johnson Service Co. (Heat Regulators, etc.), 149 Michigan
§Kagel Bros. Co., 1208 St. Paul av
*Kearney & Trecker (Machine Tools), 59th & National av
*Kempsmith Mfg. Co. (Machine Tools, etc.), Linus & Woodward
*KIECKHEFER, A. ELEVATOR Co. (Electric, Hand & Power Elevators), 1026-1104 St. Paul av. (See adv. index, end of book)
*Kopperud, Andrew (Machinist), Madison & Barclay
*Krahn Mfg. Co. (Machinery, etc.), 210 Sycamore
*§Kruecke Bros. Mfg. Co. (Brass Fdrs., Brewers' Pumps, Castings of All Kinds), 515 Park
*Krueger Mfg. Co. (Machinists), 50 Biddle
*Kunz, J. L. Machinery Co., 1242 Booth
*§Lamp & Miller Mfg. Co. (Brass Fdrs. & Finishers), 509 Cedar
*Lauson, C. P. & J., Co. (Air Compressors, etc.), 841 30th
*†Lindeman, A. J. & Hoverson Co. (Stoves) 348 Florida
*†Lindemann, J. P. & Sons (Stoves), 5000 State
*§Loeffelholz Co. (Railroad Car, Cabinet & Office Trimmings, etc.), 170 Clinton
*Logemann Bros. Co. (Hydraulic Machinery, etc.)
*Luitink & Sons Mfg. Co. (Door Hangers, etc.), 775 18th
*Lutter & Gies (Machine Tools), 258 Lake
*Manthey-Sieker Co., 625 Cedar
†Maynard Steel Foundry Co., 710 Reed
*MECHANICAL APPLIANCE CO. (Dynamos, Motors & Generators), East End of Stewart. (See adv. index, end of book)
§Mensching Brass Foundry Co.
*Merkel Motor Co. (Motor Cycles, etc.),
*Meyer, Geo. J. Mach'y Co., 576 Clinton
§Milwaukee Aluminum & Brass Co. (Aluminum & Brass Castings)
Milwaukee Auto Engine & Supply Co., 706 Winnebago

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*§Milwaukee Brass Mfg. Co. (Plumbers' Brass Goods), 241 Lapham
*†Milwaukee Bridge Co. (Steel Structural Work, etc.), 1400 34th
*Milwaukee Cutting Die Co. (Cutting Dies, etc.)
*Milwaukee Gas Stove Co. (Gas Stoves & Ranges, etc.), 189 Burrell
*Milwaukee Hay Tool Co., Layton Park
*Milwaukee Machinery Co., 31st & Walnut
*†Milwaukee Malleable & Grey Iron Wks, Layton Park
*Milwaukee Metal Working Co., Montgomery bldg
*Milwaukee Motor Co. (Gas & Steam Engines), 32nd & Burleigh
†Milwaukee Steel Foundry Co., S Water & Virginia
*†Milwaukee Stove & Foundry Co. (Stoves, etc.), 130 Water
*§Milwaukee Valve Co. (Valves & Steam Specialties, etc.), 139 Burrell
*†Mueller, L. J. Furnace Co. (Furnaces & Heating Apparatus, etc.). 197 Reed
*Munkwitz, Ewd. H. Co. (Machinists), Muskego av & S Canal
*Munn Hdwe. & Mfg. Co., 132 Mason
§Murphy Specialty Co., 942 Grand av
*Nash, J. M. (Chair, Wood Polishing & Woodworking Machinery), 842 30th
*National Blower Works (Blowers, Exhausters, Driers, etc.), 17th & St. Paul av.
*†§National Brake & Electric Co. (Dynamos, Motors, Castings, Air Brakes, Compressors, etc.), Park Pl
*National Machine Co. (Lathes, Slide Rests, etc.), 660 Washington
*Netzow, Chas. F. Mfg. Co. (Sewing Machines, etc.), 210 Sycamore
*†Nordberg Mfg. Co. (Engines, Pumping Machinery, etc.), Oklahoma & Chicago av
*Northern Novelty Works (Patterns & Pol-
*†Northwestern Malleable Co., 766 Park
*Northwestern Mfg. Co. (Dynamos & Motors), Clinton & Madison
†Nortmann-Dultke Foundry Co. (Crucible Steel Castings, etc.), Layton & 27th avs
*Obenberger, John Co. (Hand Cranes, Trolleys, etc.), 224 Lake
*Obenberger, Joseph, & Son Co., 123 Barclay
*†Pawling & Harnischfeger (Electric Cranes & Hoists, etc.), National av & 98th
*Pfeiffer & Smith (Machinists), 405 Clinton
§Polachek, Chas. & Bro. Co. (Gas Fixtures, etc.)
†Prime Steel Co. (Crucible & Manganese Steel Castings), Chicago rd
*Prinz & Rau Mfg. Co. (Brewers & Malsters & Flour Mill Mach'y, etc.), 659 E Water
*†§Rundlee Mfg. Co., Wahl & 27th av
*§Rundle-Spence Mfg. Co. (Steam Enameled Iron & Plumbing & Brass Fdrs., etc.), 63 2d
*Schneck Machine Co., 811 St. Paul av
*Schwab, Ph. & Anderson Co., 16th & Canal
*†Schwab, R. J. & Sons Co. (Iron Fdrs. & Machinists & Hot Air Furnaces), 288
*Schwalbach, M. & Sons, 426 9th Clinton
*†§Sheriffs Mfg. Co. (Propeller Wheels & Marine Engines, etc.), 124 Barclay
*Sherman, W. S., & Co. (Woodworking Machinery, etc.), 495 Clinton
*Sight Feed Oil Pump Co. (Sight Feed Oil Pumps, etc.), 1148 Holton
*Skobis Bros. Co. (Builders' Iron Work), 951 30th
*Smith, A. O. Co. (Automobile Gears, Steel Frames), Park & Clinton
†Smith, Geo. H. Steel Casting Co. (Steel & Manganese Steel Castings), 500 Clinton
*Smith Machine Co. (Concrete Mixers, etc.) 32d & Locust
*SMITH, T. L. CO. (Concrete Mixer, etc.). Majestic bldg. (See adv. index & branch offices, end of book)
*Smith & Post Co. (Cold Saws, Rock Crushers, etc.)
†South Side Steel & Malleable Casting Co. (Malleable Iron Founders)
*†Speich Stove Repair Co., 130 W Water
*§Spence Mfg. Co. (Brass Fdrs. & Plumbing Goods), 279 Park
*§Standard Brass & Iron Works (Brass Founders & Finishers)
*Steam Appliance Co. (Steam Appliances) 245 Oregon
*Stehling, Chas. H., Co., 508 Commerce
*Steinbach & Kock, S. Canal & Muskego ave
*Sterling Wheelbarrow Co. (Wheelbarrows)
*†Toepfer, W., & Sons (Iron Works), 76 Menominee
*†§VILTER MFG. CO. (Corliss Engines, Ice Machines, Brewery & Bottling Machinery, etc.), 1046 Clinton. (See adv. index, end of book)
*Wagner, Adolph F. (Builders' Iron Work), 514 Market
*§Wamhold-Brunschweiler Co., 270 4th
*Wangard, Jos. (Gas Machines), 3418 North ave
*Welles, Fred A. (Calipers, etc.), 419 Sycamore
*Western Fixture Co. (Display Fixtures, etc.), 573 E. Water
§Windsor Mfg. Co., 570 Clinton
*Wisconsin Bridge & Iron Co. (Steel Structural Work, etc.), Colby-Abbott bldg
*†Wisconsin Foundry Co., 32d & Locust
§Wisconsin Iron & Wire Works
*Wisconsin Machinery & Mfg. Co., Canal & Muskego
†§Wisconsin Malleable Iron Co.
*Wisconsin Specialties Co. (Machy., etc.), 317 Milwaukee
*Yale, H. P., & Co., 99 W. Water

MONROE—*†Lanz, A. & Sons (Machinists)

NEENAH—†Aylward Sons Co.
†Bergstrom Stove Co. (Stoves)
*Jamison, Robt. (Machinist)
*Johnson Bros. Machine Co.
*Johnson & Wells Machine Co.
*§Neenah Brass Works

NEILLSVILLE—*Wolff & Korman (Machinists)

NEW HOLSTEIN—*Lauson, John Mfg. Co. (Gas & Gasoline Engines, etc.)

NEW LONDON—*†Beyer, Geo.
*†Madson, H. P.

NORTH MILWAUKEE—*Avery Scale Co. (Scales of All Kinds)
*†Wagner, E. R. Mfg. Co. (Baby Carriages, etc.)

OCONOMOWOC—*†Moldenhauer, F. W.
*Osen, Andrew (Threshing Machines, etc.) chines, etc.)

OOSTBURG—†Oostburg Steel Foundry (Crucible Manganese Steel Castings)

OSHKOSH—*†Barnes, J. A. Machinery Co.
*†Challoner Co. (Mach'y)
*†Curtis, E. C. Co. (Condensing Feed Water Heaters, etc.)
*†§Davis-Hanson Co. (Pumps)
*†Doman, H. C. Co. (Boats & Gasoline En-
*Gillingham & Son (Machinists) gines)
*†Hayes, E. B. Machine Co. (Woodworking
*Kaufman, Chas. & Saw Mill Mach'y)
*Meelins, E. E. & H. T. (Slot Machines)
*Oshkosh Tool Mfg. Co. (Logging Tools, etc.)
*Ransom Mfg. Co. (Wet Tool Grinders)
*†§Termaat & Monahan Co. (Gasoline Engines, etc.)
*†Walker-Challoner Co. (Shingle, Heading & Box Board Machinery, etc.)
*†Wilkin, Challoner & Co. (Saw Mill Machinery)

PLATTEVILLE—*§Galena Iron Works Co. (See Galena, Ill.)
*Keystone Driller Co. (See Beaver Falls, Pa.)

PLYMOUTH—†§Thurman, F. & Co.
*Wolf, Henry F.

PORTAGE—*†§Baird & Slinger

PORT WASHINGTON—*†§Gilson Mfg. Co.
†Martin Bros.
*Western Implement Co. (Disc & Tool Grinders, etc.)
*†§Western Malleable & Gray Iron Mfg.

PRAIRIE DU CHIEN—*Beuthin, Chas. Co.

PRINCETON—*Mueller, Eric

RACINE—*Advance Mfg. Co. (Hdwe. Specialties)
*American Mangle & Roller Co. (Laundry Machinery)
*†American Skein & Foundry Co. (Jack
*Atlas Mfg. Co. Screws, etc.)
*Barker Feeder Co.
†§Belle City Malleable Iron Co.
*†§Belle City Mfg. Co. (Agl. Implts., etc.)
*Bishop, A. W. & Son (Machinists & Fishing Reels, etc.)
†Brown, W. P. Mfg. Co. (Horse Bits, Hardware Specialties, etc.)
*†§Case, J. I. Threshing Machine Co. (Agl. Implts.)
*†§Case, J. I. Plow Works (Plows)
§†Chalmers, Peter & Co.
*Driver, C. H. (Sand Papering Machines)
*†Foster & Williams Mfg. Co. (Agrl. Implts., etc.)
*Freeman, Geo. B. Mfg. Co. (Bits, Neckyokes, etc.)
*†§Freeman, S. & Sons Mfg. Co. (Agrl. Implts., Windmills, etc.)
*Gorton, Geo. Machine Co. (Engraving Machines, etc.)
*Harvey Spring Co. (Bolster Springs, etc.)
*†Holbrook-Armstrong Iron Co. (Aluminum, Brass & Grey Iron Castings)
†Lakeside Malleable Castings Co.
*†Mitchell & Lewis Co. (Machinists & Fdrs., Farm & Spring Wagons)
*†§Pierce Engine Co.
*Piggins Bros.
†§Racine Brass & Iron Co.
*Racine Engine & Machine Co. (Confectionery Machinery & Vertical Engines)
*Racine General Mfg. Co. (Hdwe. Specialties, etc.)
*†Racine Malleable & Wrought Iron Co.
*Racine-Sattley Co. (Agrl. Implts., Wagons, etc.)
*†Reliance Iron & Engine Co. (Gasoline Engines)
*Rowlands Machine Co. (Moulding Machy.)
†§Standard Foundry Co.
*Tecktonius, E. C. Mfg. Co. (Hoop, Lugs, Bolster Springs, etc.)
*†Wood, Lyman Mfg. Co. (Stove Repairs, Saddlery, Hardware, etc.)

RANDOLPH—*Nutting, C. A.
*Smith, Geo. B.

RHINELANDER—*†Rhinelander Iron Co.

RICE LAKE—*†§Peters, J. H.

SCHLEISINGERVILLE—†Rosche, John

SEYMOUR—*†Dean Mfg. Co.
*Latter Bros. Machine Co.

SHEBOYGAN—*†Globe Fdry. & Machine Co. (Feed Cutters, Feed Mills, Saw Machines, etc.)
*†Jenkins Machine Co. (Chair Mach'y & Bicycles, etc.)
†Kohler, J. M. Sons Co. (Cast Iron Enamel, Sanitary Ware & Castings)
*Myers Machine Co.
*Optenberg Iron Wks. Co. (Radial Drills, etc.)
*†Vollrath, J. J. Mfg. Co. (Enameled Sanitary Ware)

SOUTH MILWAUKEE—†Badger Malleable & Mfg. Co. (Malleable Iron Founders)
*†§Bucyrus Co. (Steam Shovels & Dredges, etc.)
*†§Stowell Mfg. & Fdry. Co. (Grey Iron Castings, Door Hangers & Hardware Specialties, etc.)

SPARTA—*†Sparta Iron Works Co.

SPRING VALLEY—†Kemke, Ferdinand

STEVENS POINT—*†Comee Metallic Packing Co. (Metallic Packing, etc.)
*†§Cook, R. A. (Iron & Brass Fdry. & Saw Mill Machinery, etc.)
*†§Rice, John, Foundry & Machine Works
*Sustins, F. A., & Co.

STOUGHTON—†Mandt Wagon Co.
*†Stoughton Wagon Co. (Plows, etc.)

STURGEON BAY—*Hunsader, John Machine
*†§Ives, Wallace Co.

SUPERIOR—*†Duplex Mfg. Co. (Windmills & Engines, etc.)
*Northwestern Machine Works
*§†Superior Iron Works (Engines & Dredging Mach'y, Iron & Brass Castings, Swinging Engines, etc.)
*†Superior Ship Building Co. (Ships & Marine Engines, etc.)
†U. S. Cast Iron Pipe Foundry Co. (See New York City)
*†Wright Foundry & Machine Works

TOMAHAWK—*†§Tomahawk Iron Works

TWO RIVERS—†Becker Mfg. Co.
*†Kahlenberg Bros. (Machinists)

WALDO—*†Hein & Timmer

WASHBURN—*Steinert, R. & Co.

WATERTOWN—*Bielfeld, O. & Co.
*†§Brandt-Dent Co. (Gas Fixtures, etc.)
*†Dornfeldt-Kunert Co.
*†M. Mfg. Co.

WAUKESHAW—†Blair Bros.
*Ladewig Stock Co.
*†Modern Steel Structural Co. (Cranes & Steel Structures)
*†Waukesha Malleable Iron Co.
*Waukesha Motor Co. (Auto Motors)

WAUPACA—*Hanson, A. M.
†Rosche & Suks

WAUPUN—*†§Althouse-Wheeler Co. (Windmills & Pumps, etc.)

WAUSAU—*†§Murray, D. J. Mfg. Co. (Saw Mill Machinery)
*†Wausau Foundry & Machine Shop

WEST ALLIS—*†§Allis-Chalmers Co. (Corliss Engines, Mining Mach'y, etc.)
†Gerlinger Steel Casting Co. (Steel Castings, etc.)
*†§Prescott, F. M. Steam Pump Co. (Pumping Machinery, etc.)
*†West Allis Malleable Iron & Chain Belt Co. (Chain Belt & Malleable Iron Castings)

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WEST BEND—*†Gehl Bros. Mfg. Co. (Agrl. Implts., Grey Iron Castings, etc.)
WEYAUWEGA—*Haire, James A.
WHITEWATER—*Whitewater Machy. Co. (Agrl. Implts., etc.)
YORKVILLE—*Gilmore, Howard S.

Machinists' Tools & Supplies (Dealers)

(See also Mill & Factory Supplies)

(For Manufacturers of Machinists' Tools & Supplies, see the Specific Article Required)

CALIFORNIA.

LOS ANGELES—Wigmore, Jno. & Sons Co.
SAN FRANCISCO—Alexander-Yost Co. (Tools), 401 Market
Compressed Air Machinery Co., 24 1st
Harron, Richard & McCone, 21 Fremont
Henshaw, Bulkley & Co., Fremont & Mission
Hicks, Jas. L., 667 Mission
Pacific Tool & Supply Co., 105 1st
Faber-Bigelow Co. (Inc.), 113 Main
Tatum & Bowen, 34 Fremont

COLORADO.

DENVER—Hendrie & Bothoff Mfg. & Supply Co.
Scott Supply & Tool Co., 1725 Blake

CONNECTICUT.

BRIDGEPORT—Hawley, T. & Co., 549 Water
Lyon & Grumman, 1023 Main

DISTRICT OF COLUMBIA.

WASHINGTON — Lambie, Jas. B. Co. (Inc.) (Fine Tools, etc.), 1415 New York av, N W

GEORGIA.

AUGUSTA—Lombard Iron Works & Supply Co

ILLINOIS.

BLOOMINGTON—Read, G. H. & Bro.
CAIRO—Reed, J. B.
CHICAGO—Ranner, Thos. B., 57 Kinzie
Besley, Chas. H. & Co., 15 N Canal
CARPENTER, GEO. B. & CO., 202 S Water. (See adv. index, end of book)
Chicago Machine Tool Co. (Machine Tools & Machinery)
Crerar, Adams & Co., 11 5th av
Harris, Samuel & Co., 25 S Clinton
Henion & Hubbell, 63 N Jefferson
Hill, Clarke & Co., 12 S Canal
Hodge & Homer Co., 47 W Randolph
Kerr, J. W. Co., 44 Jefferson
McLeod Co., 78 Fulton
Machinists' Supply Co., 16 S Canal
Manning, Maxwell & Moore, 22 S Canal
Marshall & Huschart Machinery Co., 62 S Canal
Scully Steel & Iron Co., Halsted & Wayman Sts.
Seehausen, Wehrs & Co., 43 Franklin
Walsh, Jno. F., 25 W Lake
Whitehead, Jos. H. Co., 30 S Canal
JOLIET—Barrett Hardware Co.

MAINE.

PORTLAND—Edwards & Walker Co. (Tools, etc.)

MARYLAND.

BALTIMORE—Aumen Machinery & Supply Co., 324 N Holliday
Basshor, T. C. Co., 28 Light
Brown, Jno. & Sons, 722 E Pratt
Carey Machinery & Supply Co.
Coggins & Owens, 19 S Charles
Crook-Horner Co.
Cuyler & Mohler, 611 William
Spedden Supply Co., 913 S B'way
Wallace & Gale
CUMBERLAND—McKaig, Merwin

MASSACHUSETTS.

BOSTON—Brown Wales Co. (Supplies), 83 Purchase
Chandler & Farquhar Co., 36 Federal
Chase Parker & Co., 81 Pearl
Cutter, Wood & Stevens Co., 68 Pearl
Dodge, Haley & Co., 212 High
Fitts, Frank E. Mfg. & Supply Co., 88 Purchase
Fitz, Dana & Co., 110 North
Hill, Clarke & Co.
Jewett, J. D. Co. (Hardware, Tools & Supplies), 168 Wash'n
Manning, Maxwell & Moore, Franklin & Oliver
Wilkinson, A. J. & Co. (Hardware, Tools & Supplies), 180 Wash'n

MICHIGAN.

BAY CITY—Jennison Hdw. Co.
DETROIT—Bush-Campbell Co.
Detroit Edge Tool Works, Wight c Mt Elliott av
Motch & Merryweather Machinery Co. (Machinery & Tools), 707 Lakeside av
Rayl, T. B. Co., 112 Woodward av
Strelinger, Chas. A. Co., 98 Bates
Woodbridge & Coelius Mach. Co., 127 Brush
Wormer, C. C., Machinery Co., 97 Woodbridge

MINNESOTA.

MINNEAPOLIS—Morison, W. K. & Co., 249 Nicollet av, Minneapolis, Minn. Northern Machinery Co., 217 S 3d
ST. PAUL—Robinson & Cary Co., 4th & Wacouta

MISSOURI.

KANSAS CITY—Brunner, H. J. Hardware Co., Great Western Mfg. Co. 910 Walnut
Lewis Supply Co.
ST. LOUIS—Bowman, Albert B., 720 N 2d
Cahill, Swift Mfg. Co., 20 S 12th
Colcord, W. R. Machinery Co., 821 N 2d
Crane Co. (Est. 1855). (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO. (See adv. index, end of book)
Handlan-Buck Mfg. Co., 212 N 3d
Johnson, Wm. C. & Sons, 518 N 2d
Linley, E. H., Supply Co., 714 N 2nd
Manning, Maxwell & Moore, 305 Frisco bldg
Nelson, N. O., Mfg. Co.
Rumsey, L. M. Mfg. Co., 806 N Main
Rumsey & Sikemeier Co., 1900 Pine
Simmons Hardware Co., B'way & St. Charles
St. Louis Machinists' Supply Co., 421 Franklin av
Sligo Iron Store Co., 945 N 2d
Thompson, C. A. (Machines & Tools), 516 N 3d
Western Iron & Supply Co., 988 N 2d

NEW JERSEY.

NEWARK—Macknet & Doremus, 796 Broad
Roe & Conover, 200 Market
WALSH'S SONS & CO. (See adv. index, end of book)

NEW YORK.

BUFFALO—Beals & Co., 44 Terrace
Budd, T. A., 428 Ellicott sq
Buffalo Wholesale Hardware Co., Wash'n & S Division
Fairbanks Co., 210 Main
Hoffeld, R. & Co., 65 Carroll
New England Machinery Co., 101 Erie
Ruckel, J. H., & Son, 81 Main
Walbridge & Co., 392 Main
Weed & Co., 292 Main

Borough of Brooklyn.

BROOKLYN—Birkett, Wm. H., 68 Myrtle av
Metropolitan Supply Exchange & Mfg. Co., 26 Court
Purvis & Shelton, 241 Plymouth
Wilfert, Jno. & Co., 490 Bushwick av

Boroughs of Manhattan & Bronx.

NEW YORK—**BEGGS, JAS. & CO., 109 Liberty (See adv. index, end of book)**
Behringer, Edw. A., 80 Warren
Chatwin, Alfred, Supply Co., 149 Centre
Dixon, Wm. (Inc.) (Fine Tools & Supplies of all kinds), 39 John
DONEGAN & SWIFT, 6 Murray. (See adv. index, end of book)
Du Bois, F. N. & Co., 245 9th av
Eustace, Edw. C., 54 Center
Fairbanks Co., 186 Lafayette
Foster, Walter H., 126 Liberty
Fox Bros. & Co., 126 Lafayette
Frasse Co., 30 Church
FRASSE, PETER A. & CO., 139 Worth. (See adv. index, end of book)
FREVERT MACHINERY CO., 18 Dey. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
Garvin Machine Co., 137 Varick
HAMMACHER, SCHLEMMER & Co., 133 4th av. (See adv. index, end of book)
Hussey, E. J. & Co., 80 John
Hussey, McCann & Co., 37 Dey
Knox & Bro., 96 John
Leonard & McCoy, 161 Wash'n
McCabe, J. J., 30 Church
Manning, Maxwell & Moore, 85 Liberty
Montgomery & Co., 105 Fulton
Niles-Bement-Pond Co., 111 B'way
PATTERSON, GOTTFRIED & Hunter (Ltd.), 211 Centre
PRENTISS TOOL & SUPPLY CO., 115 Liberty. (See adv. index, end of book)
Reichhelm, E. P. & Co., (Tools, Files & Supplies), 24 John
ROGERS, HENRY A. CO., 19 John. (See adv. index, end of book)

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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Rossiter, Macgovern Co. (Electrical Machinery), 17 Battery pl
Schuchardt & Schutte, (Exporters & Importers), 90 West
Sherman Brown Clements Co., 78 Murray
STRONG MACHINERY & SUPPLY Co., 48 Franklin. (See adv. index, end of book)
Tucker, Cummings H., Jr., 135 Greenwich
White-Van Glahn Co., Chatham sq.

(End of New York City)

SYRACUSE—Syracuse Supply Co.
Wood, C. H. Co., 401 S Clinton
UTICA—Dent, M. F., 81 Wash
Holdredge, Burton, 48 Catherine
Utica Drop Forge & Tool Co., Half Way Bridge

NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
Textile Mill Supply Co.

OHIO.

CINCINNATI—Bell, Thos. J., 53 Main
Boebinger Hardware Co., 315 E Pearl
Economy Machinery Co. (J. H. Flynn, Prop.) (New & Second Hand Lathes, Planers, Drills, etc.), 428 E Pearl
Kinsey, E. A. Co. (Drills, Lathes, Shapers, Grinders, Boring & Milling Machines), 331 W. 4th
Motch & Merryweather Machinery Co. (Machinery & Tools)
Pickering Hardware Co., 5th & Main
Queen City Supply Co., 201 W Pearl
CLEVELAND—Bingham, W. Co., 1433 W. 9th
Cleveland Tool & Supply Co.
McIntosh Hardware Corpn., 116 Superior
Manning, Maxwell & Moore, Williamson bldg
McIntosh Hardware Corporation, 725 Superior
Motch & Merryweather Machinery Co. (Machinery & Tools)
PATTISON, W. M. SUPPLY CO., 197-211 St. Clair av. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N. W. (See adv. index, end of book)
White, Frank C. Tool & Supply Co., 1813
DAYTON—Dayton Supply Co. W 6th, N W
Larkin, M. D. Supply Co.
Patterson Tool & Supply Co.
HAMILTON—Hamilton Supply Co. (Fine Tools, etc.)
SPRINGFIELD—Springfield Hardware Co.
TOLEDO—Laskey, Elmer W.

OREGON.

PORTLAND—Avery & Co., 83 2nd

PENNSYLVANIA.

PHILADELPHIA—Bickerton, Thos. B., 12 N
Billany & Cochrane, 527 Commerce 5th
Billington, Jas. H. Co., 113 Chestnut
Bond, Chas., 520 Arch
Bullock, Chas. K., 136 Ridge av
Donlevy, Frank L. & Co. (Tools, etc.), 633 Arch
Field's, Chas. J. Sons (Tools, etc.), 633
Fraser, E. L., 622 Arch Market
Girard Machine & Tool Co., 491 N 3d
Haddock, Chas., 343 N 3d
Hankey, A. & Co., 2233 Vine
Hill-Clark Co., Phila. Bourse
Insley, John E., 13 N 6th
Jones & Rogers, 327 New
Lovegrove & Co. (Machines & Tools), 143
McFadden, Jno. W., 40 N 4th
Machinists' Supply Co., 109 Water
Maddock & Co., 40 N 6th
Manning, Maxwell & Moore, 721 Arch
Pennsylvania Machinery & Supply Co.
Powell, Clouds & Co., 602 Arch
Rainear, C. J., & Co., 518 Arch
Sees & Faber, 2008 N Front
Seyfert's, L. F. Sons, 437 N 3d
Shipley, W. B., Phila. Bourse
Steel, Percy E., 609 Commerce
Toomey, Frank, 127 N 3d
Vance, Jas. M. & Co., 211 Market
Williamson & Cassedy, 526 Market
Woodfield, Jos., 307 S 2nd
PITTSBURG—Baird Machinery Co. (All Kinds of Machine Tools, Hoists, Drills, etc.), 128 Water
Frick & Lindsay Co., 109 Wood
Logan-Gregg Hdw. Co., 126 7th
Manning, Maxwell & Moore, Park bldg
Pittsburg Supply Co., 226 1st av
PRENTISS TOOL & SUPPLY CO., 120 1st av. (See adv. index, end of book)
Smith, Chas. G. Co., 247 5th av
Somers, Fitler & Todd, 337 Water
Turner, Chas. A. (Fine Tools, etc.), 14 Market
READING—Bright & Co. (Tools, etc.)
SCRANTON—Scranton Supply & Machinery Co.
WILKES-BARRE—Penna. Supply Co., 60 S Canal
WILLIAMSPORT—Darling Pump & Mfg. Co.

RHODE ISLAND.

PROVIDENCE—American Supply Co.
Brown & Sharp Mfg. Co.
Thomas & Lowe Machinery Co.

NORTH CAROLINA.

GREENVILLE—Carolina Supply Co.

TENNESSEE.

CHATTANOOGA—James & Co.

VIRGINIA.

RICHMOND—Bargamin, G. & A. Co., 14 S 9th
McGraw, Jas., 1440 E Main
Southern Railway Supply Co., 9th c Cary

WASHINGTON.

SEATTLE—Holley, Mason, Marks & Co.

WEST VIRGINIA.

CHARLESTON—Capitol City Supply Co.

WISCONSIN.

MILWAUKEE—Packard, O. L. Machinery Co., 138 W Water

Mackintoshes

La Crosse Rubber Mills Co., La Crosse, Wis.

Magnesite (Calcined)

Federal Refractories Co., Cleveland, O.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa.
Whittaker, W. H. (Lump & Powdered), 245 Front, New York

Magnesite (Crude)

Hammill & Gillespie, 240 Front, New York
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa.

Magnetos (Sparking)

(See Igniters, Gas & Gasoline Engine)

Magnetos (Telephone)

Sumter Telephone Mfg. Co., Sumter, S. C.

Magnetos (Testing)

Holtzer-Cabot Elec Co., Brookline, Mass.

Magnets

(See Magnets, Lifting)

Magnets (Electro)

Acme Wire Co. ("Varley Duplex"). New Haven, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. CO. (Lifting), Cleveland, O. (See adv. index & branch offices, end of book
Glaenzer & Co. (Imported), 43 W 33d, New York
Hall, Arthur W. Scientific Co., Boston, Mass.
Manhattan Elec. Sup. Co., 17 Park pl., N. Y.
Splitdorf, Chas. F., 261 Walton av., New York
Western Electric Co., Chicago, Ill.

Magnets (Lifting)

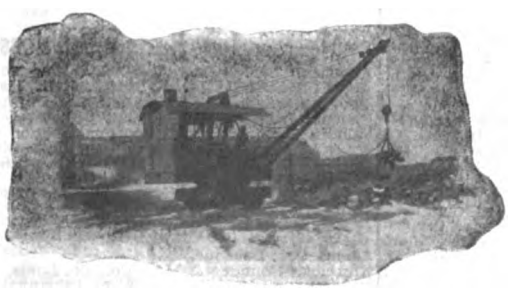
Browning Engineering Co., Cleveland, O.
CUTLER-HAMMER CLUTCH CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)



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CUTLER-HAMMER CLUTCH CO., Milwaukee, Wis.

ELECTRIC CONTROLLER & MFG. CO. Cleveland, O. (See adv. index & branch offices, end of book
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

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ROCHESTER, N. Y.

Magnets (Solenoid)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Ideal Electric & Mfg. Co. ("Ironclad"), Mansfield, O.

Mail Catchers (Railway)

Taylor & Boggis Foundry Co., Cleveland, O.

Mail Chutes for Buildings

Automatic Mail Delivery Co., Times bldg (42d & B'way), New York
CUTLER MFG. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
U. S. Mail Shute Equipment Co. ("Security"), Fullerton bldg., St. Louis, Mo.

Mailing Cases for Liquids

Redlich Mfg. Co., 2 Oak, Chicago, Ill.
Western Box Co., 42 River, Chicago, Ill.

Malleable Foundry Plants

(See Foundry Plant Equipments)

Mallets (Calking)

Doscher Plane & Tool Co., Saugatuck, Conn.
Mack & Co., Rochester, N. Y.
Union Hardware Co., Torrington, Conn.
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

Mallets (Lignumvitae)

Selb Bros., Jersey City, N. J.

Mallets (Rawhide)

Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.
Greene, Tweed & Co. ("Colin"), 109 Duane, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Holbrook Rawhide Co., Providence, R. I.
United Awl & Needle Co., Boston, Mass.

Mallets (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F., Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Morgan & Wright (Inc.), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
Peerless Rubber Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO. (With Hickory Handles), Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
Wilkie Rubber Mfg. Co., Saugus, Mass.

Mallets (Wooden)

BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Boston & Lockport Block Co., Boston, Mass.
Brighton Specialty Co. (Heel), Manchester, N. H.
Delphos Mfg. Co. (Tinners, etc.), Delphos, O.
Doscher Plane & Tool Co. (Carpenters', Tinners', Carvers', Stone Cutters', etc.), Saugatuck, Conn.
Hardware & Woodenware Mfg. Co., 693 Broadway, New York
Hellenberg & Son (For Stone Cutters, Carpenters, Tinners, etc.), Coldwater, Mich.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Indiana Small Handle Works, Fort Wayne, Ind.
Osborne, C. S. & Co. (Dogwood & Lignumvite), Harrison, N. J.
Piqua Handle & Mfg. Co., Piqua, O.
Redlich Mfg. Co., 2 Oak, Chicago, Ill.
Sandusky Tool Co., Sandusky, O.
Sommer's, John Son, 355 Central av, Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York
Union Hardware Co., Torrington, Conn.
Williams & Marvin Mfg. Co., Deep River, Conn.

Malt Kiln Floors

Buffalo Wire Works Co., 816 Terrace, Buffalo, N. Y.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Schillinger Bros. Co., 215 City Park av., Toledo, O.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Sicilian Asphalt Paving Co., 41 Park Row, New York
Toepfer, W., & Sons, 88 Menomonee, Milwaukee, Wis.

Malt & Ice House Builders

American Bridge Co., 42 B'way, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Phoenix Iron Co., 410 Walnut, Phila, Pa.
Saladin Pneumatic Malting Construction Co., 59 S Clinton, Chicago, Ill.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index, end of book)

Mandrels

Adams Co., Dubuque, Ia.
American Foundry & Mfg. Co., St. Louis, Mo.
Block-Pollak Iron Co., Carthage, Cincinnati, O.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Le Count, Wm. G., South Norwalk, Conn.

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NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Rogers, John M. Works, Gloucester City, N. J.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Standard Tool Co., Central av & P. Ry., Cleveland, O.
Standish, Albert, 120 W Spring, Columbus, O.
Stauffer, Geo. E., E Stroudsburg, Pa.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Mandrels (Blacksmiths')

(See Cones, Blacksmiths')

Mandrels (Expanding)

Le Count, Wm. G., South Norwalk, Conn.
McCroskey Reamer Co. (Inc.), Meadville, Pa.
Nicholson, W. H. & Co. (Lathe), Wilkes-Barre, Pa.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.

*Mandrels (Hardened & Ground)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Mandrels (Saw)

American Woodworking Machinery Co., Rochester, N. Y., & West st. bldg, New York
Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Cordesman Machine Co., Cincinnati, Ohio.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Fay, J. A. & Egan Co., Front & John, Cincinnati, O.
Hobbs Mfg. Co., Worcester, Mass.
Hoe, R. & Co., 506 Grand, New York
Lippert, E. T., Saw Mfg. Co., Bennett, Pa.
National Saw Co., Middletown, N. Y., & Newark, N. J.
Ober Mfg. Co., Chagrin Falls, O.
Reed, Jos. B., Cairo, Ill.
Smith, H. B. Machine Co., Smithville, N. J., & 121 Liberty, New York
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Southern Saw Works (Circular Saw), Atlanta, Ga.
Standish, A., 120 W Spring, Columbus, O.
Union Iron Works, Bangor, Me.
Wheland Machine Works, Chattanooga, Tenn.

Mandrels (Taper)

Brown & Sharpe Mfg. Co., Providence, R. I.
Comstock, Geo. S., Mechanisburg, Pa.
MORSE TWIST DRILL & MACHINE Co. (with Expanding Sleeve), New Bedford, Mass. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Mandrels or Cones (Blacksmiths')

Illinois Iron & Bolt Co., Carpenterville, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett, A. L. Iron Works, Medina, N. Y.

Manganese

Cooper, Chas. & Co., 194 Worth, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Baker & Adamson Chemical Co. (Salts), Easton, Pa.
Behrend, F. (Chloride), 54 Front, New York
Billings-Clapp Co. (Salts), 178 Freeport, Boston, Mass.
Chrystal, Chas. B., 116 John, New York
Davis, Jos. M., Philadelphia, Pa.
Ferguson Bros., 109 Chestnut st., Philadelphia, Pa.
Feuchtwanger & Co. (Salts), 54 Fulton, New York
Goldschmidt Thermit Co., 90 West, New York
Harshaw, Fuller & Goodwin Co., Electric bldg., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Klipstein, A. & Co., 122 Pearl, New York
Lamson & Bro., Jno. S. (Imprts. & Dlrs.), 84 William, New York
Lee & Co., James, 76 William, New York
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works (Salts), St. Louis, Mo.
National Paint & Manganese Co. (Miners & Grinders), Lynchburg, Va.
Pennsylvania Salt Mfg. Co. (Salt), Philadelphia, Pa.
Powers-Weightman Rosengarten Co. (Salts), Philadelphia, Pa.
Roessler & Hasslacher Chemical Co. (Chloride, Oxide, Sulphate, etc.), 100 William, New York
Samuel, Frank (Firm of), 1502 Market, Phila., Pa.
Southern Manganese & Steel Co., Atlanta, Ga.
Staleys Creek Manganese & Iron Co., Marion, Va.
Thomsen Chemical Co. (Carbonate), Baltimore, Md.
Tennant, C., Sons & Co., 76 William, New York
Wiarda, Jno. C. & Co. (Oxide Salts), Brooklyn, N. Y.
Wegelin & Wilckes Black Mfg. Co., 135 William, New York

Manganese Bronze Castings

American Brass & Aluminum Co., Indianapolis, Ind.
Bastian, C. L. Mfg. Co., 76 Illinois, Chicago, Ill.
Blake, Edwin J., Hartford, Conn.
Chapman, J. B. & Co., Springfield, Mass.
Clum & Atkinson, Rochester, N. Y.
Cramp, W. & Sons Ship & Engine Building Co. (Parsons), Phila., Pa.
Crown Smelting Co., Chester, Pa.
Eynon-Evans Mfg. Co., 1509 Clearfield, Philadelphia, Pa.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
Lehigh Valley Cornice Works, Bethlehem, Pa.
LUMEN BEARING CO., Buffalo, N. Y. (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
New London Marine Iron Works, New London, Conn.
Norwalk Brass Co., Norwalk, Conn.
Reeves, Paul S. & Son, 1413 Catharine, Philadelphia, Pa.
Ryan, J. J. & Co., 105 S Jefferson, Chicago, Ill.
Sherwood Brass Works, Detroit, Mich.
Union Iron Works Co., San Francisco, Cal.
Williams, E. A. & Son, 105 Plymouth, Jersey City, N. J.

Manganese Bronze (Parsons')

Cramp, Wm. & Sons Ship & Engine Building Co., Phila., Pa.
Taunton-New Bedford Copper Co., Taunton, Mass., & New Bedford, Mass.

Manganese Copper

Metal Mfg. Co., Land Title bldg, Phila., Pa.
Metallic Alloys Co., 32 Cortlandt, New York
Western Foundry Supply Co., 30 Church, New York

Manganese Ore

(See Ores, Manganese)

Mangles (Ironing)

(See Laundry Machinery)

Manheads, Yokes, Etc. (Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
Worth Bros. Co., Coatesville, Pa.

Manhole Covers

American Brake Shoe & Foundry Co., Mahwah, N. J.
Anderson W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Barber Mfg. Co., Ashtabula, O.
Belmont Iron Works, 22d & Washington av, Phila., Pa.
Bethlehem Foundry & Machine Co., S Bethlehem, Pa.
Buckeye Foundry Co., 2257 Buck, Cincinnati, O.
Builders' Iron Foundry, Providence, R. I.
Burr, E. M. & Co., Champaign, Ill.
Caldwell, E. R. & Co., Bradford, Pa.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Carmody, J. T., Cedar Rapids, Ia.
CARLIN'S, THOS. SONS CO. (And Sewer Castings), 1610 River av, North Side Pittsburg, Pa. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Clow, Jas. B. & Sons, 344 Franklin, Chicago.
Coffin Valve Co., Neponset, Boston, Mass. Ill.
Coldwell-Wilcox Co. (Also Pivot), Newburgh, N. Y.
Concord Foundry & Machine Co. (Also Grates & Traps), Concord, N. H.
Co-Operative Foundry Co. ("Stuart's Safety" Manhole), Detroit, Mich.
Davis & Thomas Co., Catasauqua, Pa.
Davison Foundry Co., East Chicago, Ind.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Dimmick Pipe Co., Birmingham, Ala.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, & 82 Warren, New York. (See adv. index & branch offices, end of book)
Drummond, M. J. & Co., 182 B'way, New York
Enterprise Foundry Co., 48 Olean, Rochester, N. Y.
Eureka Foundry Co., Rochester, N. Y.
Firth, Roland & Son, Phillipsburg, N. J.
Greger Mfg. Co. (Asphalt Filled), 22d & Wash'n av, Phila., Pa.
Hay Foundry & Iron Works, Newark, N. J.
Hayes Foundry Co., Lynn, Mass.
Holbrook-Armstrong Iron Co., Racine, Wis.
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
McDonald Bros., Columbus, O.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co., Cleveland, O.
Maher & Flockhart, 60 Polk, Newark, N. J.
Metcalf, Jas. & Co., 126 Polk, Newark, N. J.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Millar, Chas. & Son Co., Utica, N. Y.
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Modern Iron Works, Quincy, Ill.
Muncie Foundry & Machine Co., Muncie, Ind.
Northwestern Foundry, Minneapolis, Minn.
Palmer, C. F., Utica, N. Y.
Paxton & Vierling Iron Works, Omaha, Neb.
Rempes & Gallmeyer Fdy. Co., Grand Rapids, Mich.
Russell, Albert & Sons Co., Newburyport, Mass.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sessons Foundry Co. (Subway, etc.), Bristol, Conn.
South Bend Foundry Co., South Bend, Ind.
South Park Foundry & Machine Co., Gilfillan blk, St. Paul, Minn.
Springfield Foundry Co., Springfield, Mass.
Steiger & Kerr Stove & Foundry Co., San Francisco, Cal.
Stiles Foundry & Supply Co., Parkersburg, W. Va.
Swett, A. L. Iron Works, Medina, Wis.
Thompson, J. & Co., c Van Horn & Sophia, Phila., Pa.
Toledo Foundry & Machine Co., Toledo, O.
U. S. Cast Iron Pipe & Foundry Co., 317 La Salle, Chicago, Ill.
Wallace Machine & Foundry Co., Lafayette, Ind.
WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

Manholes (Flanged)

Glasgow Iron Co., Pottstown, Pa.
Ryerson, Jos. T., & Son, Chicago, Ill.
Scully Steel & Iron Co., Chicago, Ill.
Worth Bros. Co., Coatesville, Pa.

Manicure Sets

Havell Mfg. Co., Newark, N. J.
Ross, Jos., Jr., & Co., Newark, N. J.
Schnefel Bros., 51 4th, Newark, N. J.

Manometers

Simplex Valve & Meter Co., 112 N. Broad, Phila., Pa.

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Mantel, Grate & Tile Dealers

ALABAMA.

BIRMINGHAM—General Mosaic Tile Co.
Moore & Handley Hardware Co.
DECATUR—Wyker, J. D.
MOBILE—Builders' Supply Co.
Price, H. M. & Co.
MONTGOMERY—Bogacki, C. Y.
Kennedy Co.
SELMA—Robbins, J. H. & Sons Hardware Co.
TUSCALOOSA—Allen & Jemison Co.
Leland Hardware Co.

ARIZONA TERRITORY.

PHOENIX—Davidson, C. H. & Co.

ARKANSAS.

HELENA—Tappan, J. A. Hardware Co.
LITTLE ROCK—Arkansas Pump & Pipe Co.
MAGNOLIA—Davis & Warnock
TEXARKANA—Ohatfield & Buhrman Hardware Co.
Texarkana Hardware Co.

CALIFORNIA.

FRESNO—Barrett-Hicks Co.
LOS ANGELES—Collins, B. V., 928 S Main
Frey, J. W., 1150 So. Los Angeles.
Harper & Reynolds Co., 152 N. Main
Los Angeles Mantel & Tile Co., 623 S. Spring
Montague, W. W. & Co., 124 N. Los Angeles
Nash, Carl Enos Co., 716 S. Spring
Peterson, B. E., 1318 S. Main
OAKLAND—Howden, R., 1061 Webster
Kelly, J. F. 725 7th
PASADENA—Pasadena Mfg. Co.
SAN FRANCISCO—Bateman, Wm., 1913 Bryant
Bennett, E. D. & Co., 2751 16th.
Clawson, L. E. & Co., Golden Gate av. & Emanuel, L. & E., 144 12th Leavenworth
Holbrook, Merrill & Stetson, 6th & Townsend
Lowry & Daly, 1553 Page
Mangrum & Otter, 561 Mission
Montague, W. W. & Co., 644 Polk
Rehn, Charles, 2084 Mission
Rigney, Thomas F., 2564 Market
SAN JOSE—Mangrum & Otter Co.
Stock's, John Sons.

COLORADO.

DENVER—Backus Heating Co., 415 17th
Cook, T. W. & Co., 1623 Tremont
Denver Mantel & Tile Co., 1652 Tremont
Gustafson Piano & Mantel Co., 725 18th
Minott-Groff & Co., 1855 Welton
Paulson, John P., 15th & Wynkoop
Sayre-Newton Lumber Co., 23d & Blake
PUEBLO—Holmes Hardware Co.
Killin, John M. & Co.

CONNECTICUT.

BRIDGEPORT—Burritt, A. W. Co.
Rand, G. P. & Co., 107 Middle
HARTFORD—White & Whitmore, 424 Asylum
NEW HAVEN—Ahern, Thomas F. & Co., 183 Franklin
Chamberlain Furniture & Mantel Co., 46 Orange
Connecticut Marble & Tile Co.
Corbett, T. W., 29 B'way
NEW LONDON—Pierce, E. B.
NORWICH—Crowell, Fred. C.
Gilbert, N. S. & Sons
Porter, H. B. & Son Co.
TORRINGTON—Hotchkiss Bros. Co.
WATERBURY—Jackson, Chas. A. & Co., 270 Bank
Jackson, Thos. F., 312 Bank

DELAWARE.

WILMINGTON—Simmons & Bro., 102 W. 5th

DISTRICT OF COLUMBIA.

WASHINGTON—American Mosaic Co., 1241
Barber & Ross, 11th c G., N. W. 7th av
Corning, John Herbert, 520 13th, N. W.
Dodson & Hodgson, 822 13th, N. W.
Donnelly, John, Jr., 215 12th, N. W.
Ellett, Edwin E., 230 4½, S. W.
Hutchinson, Wm. S., 1311 H, N. W.
Hutchinson & Harbin, 211 12th, N. W.
National Mosaic Co., 338 Pennsylvania av., N. W.
Smith Thos W., 1st & Indiana av., N. W.

FLORIDA.

JACKSONVILLE—Clark, Geo. W. Co.
Southern Marble & Stone Co.
PENSACOLA—Johnson Wm & Son.

GEORGIA.

ATLANTA—Hunnicutt, J. E., & Co.
AUGUSTA—Evans, John J.
Slusky, David
Tarver, J. E.
BRUNSWICK—Anderson, Wm. C.
MACON—Burke, T. C.
Merritt Hardware Co.
Wilder's, R. C. Sons Co.
Willingham Sash & Door Co.
SAVANNAH—Peeples, H. H. & Sons
Semmes Hardware Co.
Weed, J. D. & Co.

HAWAII.

HONOLULU—Lewers & Cooke, Ltd.

ILLINOIS.

BEARDSTOWN—Van Fossen, S. L.
BLOOMINGTON—Holder Hardware Co.
Keiser-Van Leer Co.
Popple, M. L.
Read, G. H. & Bro.
CAIRO—Woodward Hardware Co.
CARLINVILLE—Woodward, S. S. Hdw. Co.
CHICAGO—Chicago Mosaic & Tiling Co., 501 State
Colonial Fire Place Co., W 12th & 46th av
Davis Marble Co., 302 Michigan (of Phila., Pa.)
Dawson Bros., 199 N Halsted
Englewood Mantel & Tile Co., 921 W. 59th
Hawes & Dodd, 24 Adams
Hoops, Wm. H. & Co., 10 Monroe
Interior Mantel & Tile Co., 296 Wabash av
Illinois Mosaic Tile Co., 36th & Ashland av
JACKSON, WM. H. COMPANY, 163 Michigan av. (See adv. index, end of book)
Keating, M. & Sons Co., 224 Wash'n
Lorenzen, Chas. F. & Co., 276 N Ashland av
Mott, J. L. Iron Works, Merchant Loan & Trust bldg
Petersen, Geo. L. Co., 281 N Sangamon
Pickens, Edw. Co., 479 Wabash av
Rees, Geo. H., Co., 88 Lake
Servoss Furnace Co., 135 Lake
Weary & Beck, First National Bank bldg
DECATUR—Morehouse & Wells Co.
EVANSTON—Conner, J. C. Co.
GALESBURG—Murphy Bros. & Anderson
LINCOLN—Bouillon, W. E.
MOLINE—Moline Furniture Works (Inc.)
PEORIA—Johnson, Chas. Hardware Co.
Meyer, F. & Bro. Co.
Peoria Stone & Marble Works
QUINCY—Heitland Grate & Mantel Co.
SPRINGFIELD—Power, Chas. A.
Vredenburgh, Peter, Lumber Co.

INDIANA.

ANDERSON—Jones, A. J.
Nichol Hardware Co.
CARLISLE—Risinger & Ellis
COLUMBUS—Schwartzkopf, J. G. & Son
EVANSVILLE—Lensing, H. A., 422 Sycamore
Schmitt, August & Sons Co., 605 Main
Scholz, F. J. & Son, 11 L 3d
Sontag Mantel & Tile Co.
Thiele, I. A. Co., 108 U 3d
FORT WAYNE—Carter, W. & Sons
Hattersley, A. & Sons, 48 E Main
Lund, H. M., 172 W Creighton av
FRANKLIN—Smith & Tilson
HARTFORD CITY—Lieber & Campbell
HUNTINGTON—Bartlett & Frazier
Peden, H. V. & Sons.
INDIANAPOLIS—Balke & Krauss Co., Market & Missouri
Builders' Supply Corporation, 342 E Wash
Hopkins, Lynn B., 2127 Broadway
Lion Mantel & Grate House, 214 N Del.
KOKOMO—Globe Stove & Range Co.
LAFAYETTE—Howe & Shipley
LOGANSPORT—Crawford, Isaac N.
Henderson, J. W. & Sons
Ullery, S. W. & Son
MARION—Marion Hardware Co.
Swanger & McClain
MUNCIE—Clevenger, Earle L.
Shirk, W. W.
Young & Kessler.
RICHMOND—Johnson, Peter Co.
Wagner, William & Son
SULLIVAN—Long & Warren
TERRE HAUTE—Austin Hardware Co.
Duenwig Hdw. Co., 657 Wabash av
Manion, John, 905 Wabash av
Smith, C. C. Sons Co., 303 Wabash av
Townley Hardware & Stove Co., 609 Wabash av.
Watson's, D. W. Sons Co., 634 Wabash av

IOWA.

BURLINGTON—Bernard Bros. & Mercer Co.
Drake Hardware Co.
Wyman & Rand
CEDAR RAPIDS—Kubias, F. & Co.
COUNCIL BLUFFS—De Vol, P. C. Hardware Co.
Peterson-Schoening Co.
Stephen Bros.
DAVENPORT—Gordon-Van Tine Co.
Holbrook Mantel & Tile Co.
Marble & Granite Co.
Schricker, W. S.
Roberts, U. N. Co.
DES MOINES—Des Moines Marble & Mantel Co.
DUBUQUE—Gill, W. V.
KEOKUK—Weber, A. & Co.
OTTUMWA—Cooper, W. H. & Son
McCarroll, Chas. T.

KANSAS.

ATCHISON—Uhrich, O. W. Planing Mill Co.
EMPORIA—Haynes Hardware Co.
Peters Hardware Co.
IOLA—Shannon, T. B.
TOPEKA—Culver, W. E.
Forbes, D. H.
Fernald, W. H.
WICHITA—Stocker, O. B.

KENTUCKY.

ASHLAND—Henderson, Thos. & Son.
COVINGTON—Cambridge Tile Mfg. Co.
Faulwetter, Fred.
Tattershall, A. W.
HENDERSON—Blackwell, P. A. & Co.
LANCASTER—Haselden, J. R.
LEXINGTON—Drake, S. E. & Co.
Smith, Watkins & Co.
Van Deren Hdw. Co.
LOUISVILLE—Fischer-Leaf Co., 1438 High
Hegan Mfg. Co.
Hughes, W. J. & Sons Co., 14th c Maple
Kentucky Stove Co., 1401 Delaware
Voss Mantel Co., 16th c Arbegust
OWENSBORO—Frederick, John C.
Guenther, W. A. & Sons.
PADUCAH—Hart, Geo. O. & Sons Co.

LOUISIANA.

BATON ROUGE—Becker Furniture Co.
Doherty Hardware Co.
MONROE—Monroe Hardware Co.
NEW ORLEANS—Leahy, Geo. M., 512 Camp
SHREVEPORT—Hardman, O. C. & Co.

MAINE.

AUGUSTA—Cogan, J. H. & Co.
BANGOR—Dickey, W. P. & Co.
Haynes & Chalmers Co.
BRUNSWICK—Eaton Hardware Co.
Ridley, Geo. B.
LEWISTON—Hall & Knight Hdw. Co
PORTLAND—Allen, W. A., 125 Somerset
Edwards & Walker Co.
Emery, Waterhouse Co.
King & Dexter Co.

MARYLAND.

BALTIMORE—Broadbent, F. A. Mantel Co. (Mfrs.), c Canton av. & East Falls
Davidson, F. H. & Co., 509 W Franklin
Dunn, Jos. B., 853 N Howard
Fisbach, David & Co., 604 N. Calvert
Gault, Wm. A. & Son., 9 E Lex
Meislahn, C. F. & Co., 19 Clay
National Mantel & Tile Co. (Mfrs.), 9 E. Lexington
Sisson, Hugh & Sons, 23 & Belt Line R. R.
Steiner Mantel Co., Fairmount av., c 8th
CUMBERLAND—Cumberland Sash & Door Co.
Habig & Stegmaier
OAKLAND—Davis, J. M. & Son
SALISBURY—Dorman & Smyth Hardware Co.
Gunby, L. W. Co.

MASSACHUSETTS.

BOSTON—Bailey, J. W. & Sons Co., 14 Haymarket Sq.
Boston Tile & Mantel Co., 120 Boylston
Carter, Geo. H., 43 Beverly
Crawley, Geo. E. & Son, 3 Somerset
Franz, Jno. (Est.), 18 Thayer
Haymarket Square Tile & Fire Place Co., 26 Washington, N
Kelley, L. J., 61 Bristol
Mott, J. L. Iron Works, 41 Pearl
Murdock-Shaw Co., 125 Federal
O'Connor, T. W., 125 Haverhill
Paige, D. F. & Co., 47 Wareham
Stearns & Waterman, 1 Washington
Whitney, Edgar H., 175 Devonshire

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HOLYOKE—Oakes, Roland T. Co., 366 High
LOWELL—Thompson Hdw. Co., 254 Merrimack
LYNN—Brockway Smith Corp.
NEW BEDFORD—Washburn, Lettice R. & Co., 266 N. Water
SPRINGFIELD—Hall, Chas., 395 Main
McGregory & Casman
Old Corner Decorating Co., 64 W Bridge
TAUNTON—Pierce Hardware Co.
Saunders, C. V. & Co.
Washburn, Frank R.
WORCESTER—Kendall, O. S. & Son, 564 Main

MICHIGAN.

ADRIAN—Thiem, Ferdinand S. D.
Wilcox Hdw. Co.
ANN ARBOR—Muehlig & Schmid
BATTLE CREEK—Bock, Chas. A. & Son
BAY CITY—Burbridge, Benj. & Co.
DETROIT—Barton-Netting Co., 250 Woodward av
Detroit Mantel & Tile Co., 114 B'way
Fox Bros. & Co., 1450 Hastings
Mehling, Geo. R., 106 Henry
Paschke, Chas., 140 Grand River av
Venetian Marble Mosaic Co., 96 Brush
FLINT—Algoe, J. Frank
Hubbard, Geo. W. & Sons
Sterner, Edwin Co.
GRAND RAPIDS—Grand Rapids Clock & Mantel Co.
Rathbone & Panigot Co.
Weatherly, C. S.
JACKSON—Smith-Winchester Co.
KALAMAZOO—Edwards & Chamberlin Hardware Co.
LANSING—Larned, H. H.
MARSHALL—Marshall Furnace Co.
PORT HURON—Truesdell Marble & Granite Co.
SAGINAW—Morley Bros.
Saginaw Hardware Co.

MINNESOTA.

DULUTH—Dixon & Lowry
MINNEAPOLIS—Drake Marble & Tile Co., 607 Lauders-Morrison-Christenson Co. 2d av, S
Northwestern Marble & Tile Co., 419 S 6th
ST. PAUL—Drake Marble & Tile Co., 66 E 3d
French, William A. & Co., 42 E 6th
WINONA—Cone, R. D. Co.

MISSISSIPPI.

ABERDEEN—Henderson Hdw. Co.
AMORY—Amory Hdw. Co.
COLUMBUS—Banks Hdw. Co.
Newby Bros.
DURANT—Durant Commercial Co.
GREENVILLE—Greenville Hardware Co.
Wetherbee Hardware Co.
GREENWOOD—Henderson & Baird
Mann Hardware Co.
JACKSON—Jackson Hardware Co.
LAUREL—Gardner, Frank Hdw. & Supply Co.
Laurel Hardware Co.
MERIDIAN—Casteel & Son
Meyer-Neville Hardware Co.
NATCHEZ—Baker & McDowell Hdw. Co.
Feitus Bros.
Schwartz & Stewart
VICKSBURG—Wright Bros. Hardware Co.
YAZOO City—Crane-Hinman Hdw. Co.

MISSOURI.

CARTHAGE—Drake Hardware Co.
CHILLICOTHE—Minteer & Williams
CLINTON—Blakemore, James N.
Stone, W. H.
COLUMBIA—Newman, C. C. & Co.
DEXTER—Miller, Ulen & Carter
KANSAS CITY—Calhoun Mantel & Tile Co., 815 Walnut
Kansas City Mantel Co., 1022 Walnut
Wakefield Mantel & Tile Co., 1105 McGee
MARSHALL—Naylor, B. F. Furniture & Plumbing Co.
MEXICO—Ferris & Cauthorn
Robertson, George W.
NEVADA—Moore, Q. T.
Robinson, J. B. & Son
ST. JOSEPH—American Sash & Door Co.
Burgess-Fraser Iron & Hdw. Co.
Curtin & Clark Hdw. Co.
ST. LOUIS—Beattie Mfg. Co., 2206 Pine
Central Mantel Co., 1228 Olive
Fichtel, Bernard, 1925 Washington
Hornet Mantel Co., 1114 Market
Irwin Mantel Co., 1310 Pine
May, Wm. Tile & Mantel Co., 1927 Washington
Nelson, N. O. Mfg. Co., Chestnut c 10th
Seidel, Emil F., 1915 Pine
SEDALIA—Ilgenfritz Hdw. Co.
Sedalia Hdw. Co.
Smith, D. H. Hardware Co.
SPRINGFIELD—Fahrenhorst, F. W. G.
Raymond Heating Co.

MONTANA.

ANACONDA—Stagg, J. P.
BUTTE—Montana Hardware Co.
HELENA—Hermann & Co.
Holter, A. M. Hardware Co.

NEBRASKA.

LINCOLN—Clyce, F. P.
Lahr, Frank E.
NEBRASKA CITY—Bischof, William
Overton, E. L.
OMAHA—Cady, H. F. Lumber Co., 6th & Douglas
Disbrow, M. A. & Co., 1201 Nicholas
Hamling, F. M., 309 S 17th
Rogers, Milton & Sons, 1323 Farnam

NEW HAMPSHIRE.

BERLIN—Parent, A. E.
CONCORD—Thompson & Hogue

NEW JERSEY.

ATLANTIC CITY—Currie Co.
BRIDGETON—Bacon, Daniel & Son
JERSEY CITY—Dickson, J. & Bro., 385 Grand
Gahagan, William A., 1219 Garden
Nicoll & Cotter, 58 Oakland av
NEWARK—Beckingham, Chas. H., 28 Belleville av
Davenport, Jas. H., 531 Market
Harrison, E. H. & Bro., 478 Broad
Hedden, V. J. & Sons Co., 431 Ogden
Newark Mantel & Furniture Co., 59 Poinier
Russel, W. P. Co., 40 Lawrence
Standard Mantel Co., 221 Sussex av
PASSAIC—Abbott's, A. Sons
Doremus, Jno. H.
PATERSON—Baird, John Co.
Mills, H. W. & Co.
RED BANK—Allen, J. Trafford
TRENTON—Katzenbach, F. S. & Co.

NEW YORK.

ALBANY—Butler, C. R., 68 Hudson av
Schilling Co., 43 Eagle
AMSTERDAM—Hennessy, W. H.
BINGHAMTON—Babcock, Hinds & Underwood
Bartlett & Co., 37 Collier
Lynch's, John R. Sons
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Mantel Mfg. Co., 284 Mills
Crawford, John & Son, 1420 Delaware av
Day, Alvin W., 877 Main
Elsesser, John, 1183 Niagara
Steul & Thuman, 278 Johnson
Stuhlmiller Mantel Works, 413 E Delevan av
Walbridge & Co., 392 Main
Wolsley, John A., 895 Main
DUNKIRK—Bloss, Clark Co.
ELMIRA—Barker, Rose & Clinton Co.
Booth, Irving D.
FALCONER—Jamestown Mantel Co.
GENEVA—Dorchester & Rose
GLEN'S FALLS—Delong & Sons
Whipple & Robinson
ITHACA—Rumsey, C. J. & Co.
Treman, King & Co.
JAMESTOWN—Clark Hardware Co.
Munson & Johnson
Sprague, W. H.
KINGSTON—Stock & Cordts
LITTLE FALLS—Skinner & Osyten
MIDDLETOWN—Brink & Clark
NEWBURGH—Lawson Hardware Co.
Shannon & Co.
Van Cleft, Jos. & Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Burns Mantel & Tile Co., 903 Halsey
Mellor, J. H. & Co., 302 Fulton
Miles, Henry & Sons, 2078 Fulton
South Brooklyn Mantel Co., 46th

Boroughs of Manhattan & Bronx.

NEW YORK CITY—Alexander & Reid Co., 350 W 26th
Boote, Alfred Co., 120 W 30th
Chester Mantel & Tile Co., 38 E 21st
Cumberland, Chas. N., 440 Greenwich
CURRIER, E. BRADLEY, CO., 119 W. 23d & 114 W. 24th. (See adv. index, end of book)
Federal Tile Co., 131 W. 24th
Ensign, C. E., 1123 B'way
Graf, Frank H., 322-324 7th av.
Grant, Wm. D., 327 W. 42d.
Hayden Co., 523 5th av
Howden Tile Co., 43 W. 27th
JACKSON, EDWIN A. & BRO. (The Jackson Ventilating Grate, Mantels, Tiles, Fireplaces, etc.), 50 Beekman
JACKSON, WM. H. COMPANY, 29 E. 17th (Union sq), & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Jackson's Mantel & Grate Works, 246 Front
Jamestown Mantel Co., 271 W. 125th
Kemp, Jas. E., 155 W 24th
Kuhner, Geo. A., 1901 Park av
Lage, Bernard, 484 Greenwich, Factory: Menlo Park, N. J.
McCrea, Harry, 1682 3rd av
Morrison, Geo. S., 464 Amsterdam
Mott, J. L. Iron Works, 118 5th av
New England Mantel & Tile Co., 270 E 133rd
Nichols, A. S., 1901 Park av
Petri, Herman, 101 E 17th
Rossman, Robert, 155 W 24th
Savitsky & Golomb Co., 65 Park av
Schultz, Herman, 315 E 22nd
Toscani, Jno. L. & Co., 207 E 35th
Traitel Bros. & Co., 44 E 19th
Walsh, John, 387 3d av
Wright, Henry, 2559 3d av

(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hdw. Co.
Watson, James & Son
OSWEGO—Oswego Hardware Co.
PORT JERVIS—Bennett, John H.
Gordon & Malven Co.
POUGHKEEPSIE—Grobe, F. H.
ROCHESTER—Barry, James C. Co., 83 North
Neil Bros. & Kern, 238 State
Noeth, Geo. E. & Co., 46 Clinton av
Weston, John P., Granite bldg
ROME—Wardell Hardware Co.
SCHENECTADY—Burtis, A. R. & Son
Witbeck, Clark
SYRACUSE—Stearns & Son, 328 S. Warren
Syracuse Mantel, Tile & Marble Co., 353 E Genesee
TROY—Dickson, H. S., 267 River
Emerson, George B., 233 River
Grant, Chas. M., Cemetery & 7th avs
UTICA—Griffiths & Pierce, 72 Charlotte
Hughes, John F., 33 Charlotte
Wicks, Hughes & Co., 224 Genesee
YONKERS—Brockhurst, Wm. A.
Wiggins, L. H.

NORTH CAROLINA.

ASHEVILLE—Scott, George F. & Co.
GREENSBORO—McClamrock Mantel Co.
Odell Hardware Co.
RALEIGH—Briggs, Thomas H. & Son

OHIO.

AKRON—Ewing, L. D., 119 Kirkwood
Flower, J. T., 118 S High
ALLIANCE—De Venne Co.
Love, Casselman & Co.
CADIZ—Long, E. M. & Sons
CANTON—Buckius, W. H.
Fife Bros. Co.
Yost, L. P. D.
CHILLICOTHE—McNellis, Wm. A.
CINCINNATI—Bollinger, C. H. & Co., 518 Buchanan
Cassini Mosaic & Tile Co., 1027 Broadway
Kramig, R. E. & Co. (Glazed & Encaustic Tiles), 234 E 6th, Cincinnati, Ohio
Mitchell, Robert Furniture Co., 620 Race
Moormann & Otten, 611 Main
Schroeder, Martin, 523 Main
Thauwald, C. F. & Co., 1222 Harrison av
Wiggers Furniture Co., 1423 Plum
CLEVELAND—Auld & Conger, 942 Prospect av, S. E.
Cleveland Mantel & Tile Co., 1426 E 30th
Collings, Clarence H., 1527 Prospect av, S. E.
Miller Grate Co., 2106 Superior av, N. W.
Pfeil, Chas. J. Co., 1905 W 3d
Shaw, L. F. Mantel & Tile Co., 1049 Superior av, N. W.
Teachout, A. & Co., 321 Prospect av, N. W.
Vincent-Barstow Co., 725 Euclid av
Wadsworth, Chester J., 5806 Euclid av
Watson & Guest, 5911 Euclid av
COLUMBUS—Capital City Mantel Co., 70 E Town
Lewis, J. R., 1009 W. Broad
DAYTON—Davis Mantel & Grate Co., 208 N Main
Foster, Geo. T. Co., 36 S Jefferson
King Bros. & Co., 128 N Main
FINDLAY—Gassman Bros.
Smith, A. M.
FREMONT—Reynolds, A. A.
Swint & Reineck
HAMILTON—Holbrock Hardware Co.
Spoerl, John S.
HILLSBORO—Enterprise Planing Mill Co.

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LANCASTER—Martens Hardware Co.
LIMA—Harman, Frank E.
LORAIN—Fey, F. J.
Wickens Co.
MANSFIELD—Bare Bros.-Martin Hardware Co.
Preston, Burton
MARIETTA—Wagner, H. A.
NEWARK—Jones, J. C.
Jones, Daniel L. & Co.
SANDUSKY—Donahne Hardware Co.
SPRINGFIELD—Diehl, W. W., Hardware Co.
Tuttle, W. F. Co.
STEUBENVILLE—Anderson & Son.
Sharp, W. L. & Son
TOLEDO—Lindow, Leiblus & Gerchow Co., 220 Superior
Practical Mantel Co., 918 Monroe
WARREN—Warren Hardware Co.
WASHINGTON—Ford Hardware Co.
WELLSVILLE—Wellsville Hardware Co.
XENIA—Babb, O. L.
Conwell, J. C.
YOUNGSTOWN—Williams, Homer S., Co.
ZANESVILLE—Glossman Hardware Co.
Perry Hardware Co.
Shaw, G. W. Mantel & Tile Co.

OREGON.

PORTLAND—Barrett, Mfgs. Agency
Coleman Hardware Co., 111 3d
Krochman & Hartman, 188 1st
Walsh, M. J. Co., 311 Stark

PENNSYLVANIA.

ALLENTOWN—Bowman & Fulton
Hersh Hardware Co.
Ochs, M. T. J., 450 Wire
Well, F. W. Co., 1031 Linden
BEAVER FALLS—Knott & Harker Co.
BETHLEHEM—Krause, J. S.
Lehigh Valley Cornice Works
BRADFORD—Fox, James B.
Haggerty, M. A.
BUTLER—Campbell, J. G. & W.
O'Brien, W. H. & Son
Rockenstein, M. O.
CHAMBERSBURG—Eyster & Snider
CONNELLSVILLE—Frisbee Hardware Co.
Munson Bros.
CORRY—Barlow Hardware Co.
EASTON—Garnier, A. B. & Son
Miller, T. T. Hardware Co.
Osterstock, Joseph S.
ERIE—Constable Bros. Co.
Griffin Mfg. Co.
Hirt, F. W., 6 N Park
Metric Metal Co., 10th & Payne
HARRISBURG—Hoopes, Harry A.
Strayer, Oliver F.
JOHNSTOWN—Swank Hardware Co.
LANCASTER—Arnold, John L.
Flinn & Breneman.
Herr & Co.
Steinman Hardware Co.
McKEESPORT—Hartman Hardware Co.
MEADVILLE—Rouecbe, Frank
NEW CASTLE—Dufford, W. F. & Co.
Frew Furniture Co.
Horton & Whitton Hardware Co.
Smith, Hutton & Kirk Co.
Welch Hardware Co.
NORRISTOWN—Boyer, J. Frank
OIL CITY—Chambers Hdw. Co.
PHILADELPHIA—Belfi Bros. & Co., 20 S 19th
Buchanan, Jas. M., 2047 Market
Cotter, Michael F., 1316 Ridge av
Daly, James C. & Co., 1626 Chestnut
Davis Marble Co. (also Encaustic Tiling for Walls & Floors), 214 S. 24th
FRENCH, S. H. & CO., 4th & Callowhill. (See adv. index, end of book)
Greenwood, Jos. B., 2202 Amber
Hall-Kline Co., 1927 Market
Italian Marble Mosaic Co., 431 Spruce
Kline, Chas. B., 28 S 16th
Miller, Jos. S. & Co., 1208 Ridge av
Mott, J. J., Iron Works, Commonwealth Trust Bldg.
Ostendorf, W. A., 2923 Broad
Sharpless & Watts Co., 1519 Walnut
Sloan, Wesley, 1835 Market
Suddards, Chas. A., 114 S 16th
Watts, W. H. & Co., 37 S. 16th
Wilson Tile Co., Perry bldg
PITTSBURG—Aiken & Co., Century Bldg.
Detrick, E. J. Co., 8th & Penn.
East End Mantel & Tile Co., 5914 Baum
McIlwain, S. D. & Co., 5702 Penn av
Roenigk, E. O., 211 7th
Stengel Bros. Co., 104 Market
Waddle, Newton A., 764 W Carson
POTTSTOWN—Bailey, M. W.
Fegely, J. & Son
POTTSVILLE—Bright & Co.
Esterly, D. L. Sons
READING—Bard Hdw. Co.
Bright & Co.
Hoff & Bro.
Obold, Jno. H. & Co.
Penn Tile & Mantel Co.
SCRANTON—Barriscale, Wm. J.
Cowles, W. C.
Foote & Becker Co.
Leonard, Thos. F.
Owens Bros.
SHARON—Wallis & Carley Co.
UNIONTOWN—Miller, Walter F.
WILKES-BARRE—Carpenter, B. G. & Co.
Liem, J. W. & Co.
Morgan's, Chas. Sons
White Hardware Co.
WILKINSBURG—Morris, Graff & Co.
WILLIAMSPORT—Williamsport Hardware & Stove Co.
YORK—Kraber, E. I. & Son
Stokeley & McNellis

RHODE ISLAND.

NEWPORT—Horton, J. W. & Co.
Peckham Co.
PROVIDENCE—Crooker Mantel & Tile Co., 290 Wayboseet
Cull & Williams, 182 Wash'n
Grimwood, H. A. & Co., 1161 Westminster

SOUTH CAROLINA.

ANDERSON—Barton, J. E.
Brissley, W. L.
CHARLESTON—Masters, E. M., 127 King
Morris, E. J., 130 King
Phoenix Furniture Co., 137 King
Riley, A. J., 143 King
Shepherd Supply Co., 232 Meeting
COLUMBIA—Stewart, W. S.
LAURENS—Wilkes, S. M. & E. H. & Co.
SPARTANBURG—Esell, S. B.
Montgomery & Crawford
Spartan Hdw. Co.

SOUTH DAKOTA.

ABERDEEN—Aberdeen Hardware Co.
Jackson Hardware Co.
Witte Hdw. Co.
SIOUX FALLS—Hackman, E. W. Hdw. Co.
Larson Hdw. Co.

TENNESSEE.

CHATTANOOGA—Cahill Iron Works
Fritts, Tom Hdw. Co.
Green, W. T.
Magill Hardware Co.
Snow, T. A. Co.
JACKSON—Anderson, G. C. & Co.
KNOXVILLE—Atkin, O. B. (Wholesale Mfr.)
King Mantel Co. (Wholesale Mfr.)
Loranna Grate & Mantel Co.
Standard Mantel & Specialty Co.
White Mantel & Tile Co. ("Royal")
MEMPHIS—Niemeyer, A. E. Mantel Co.
Northcross, W. J. Mantel & Grate Co.
Ozanne, Frank
NASHVILLE—Allen Mfg. Co.
Edgefield & Nashville Mfg. Co., 1st e Main
Fall, J. H. & Co.
Jones & Hopkins Mfg. Co.
Keith, Simmons & Co.
Lipscomb, H. G. & Co.
Moore, G. & Son, 523 Spruce
Phillips & Co., 213 N College
Phillips & Buttorff Mfg. Co., 219 N College
TRENTON—Smith, C. F. Co.

TEXAS.

AUSTIN—Nalle & Co.
Simpson, J. S. Hardware Co.
Webb, Taylor & Perry
BEAUMONT—Texas Builders' Supply Co.
Wilson Hdw. Co.
BONHAM—Smith-Moore-Williams Co.
Thompson-Abernethy Co.
CLARKSVILLE—Hocker Bros.
DALLAS—Fakes Furniture & Carpet Co.
Huey & Philip Hardware Co.
DENISON—Hall-Leeper Hardware Co.
Lingo-Leeper Lumber Co.
EL PASO—Emerson & Berrien
Krakauer, Zork & Moye
FORT WORTH—Ellison Furniture & Carpet Co.
Nash Hardware Co.
GAINESVILLE—Stevens, Kennerly & Spragins Co.
Williams, B. M.
GALVESTON—Ott, Chas. S.
Schadt, Wm., 2801 Mechanic
Smith, J. F. & Bro., 2315 Strand
GREENVILLE—Armstead & Ende
Collins, G. H.
HOUSTON—Bering-Cortes Hdw. Co.
Bering, C. L. & Theo.
Bering Mfg. Co.
Greenberg, B. H. & Son
Waddell, H., 1102 Prairie av
JEFFERSON—Meyer, Eugene
Torrans Mfg. Co.
LAREDO—Deuts, A. & Bro.
Netser, Jos.
McKINNEY—Crouch, Saigling & Co.
MARSHALL—Logan & Whaley
SAN ANTONIO—Basse, Wm. Hdw. Co.
Heusinger Hdw. Co.
Schultze Stove & Hardware Co.
SHERMAN—Hardwicke-Etter Hdw. Co.
Roberts, Sanford & Taylor Co.
Walsh Hardware Co.
TERRELL—Muckleroy & Dew
TYLER—Adams, J. R. Hdw. Co.
WACO—McLendon Hardware Co.
Strauss, E.
WEATHERFORD—Bell, R. E. Hdw. Co.
Lowe-Carter Hdw. Co.

UTAH.

OGDEN—Boyle Furniture Co.
Bucher, Frank O.
SALT LAKE CITY—Dinwoody, H. Furniture Co., 37 W 1st
Harris, Hyman, 234 S State
Morris, Elias & Sons Co., 21 W South Temple
Salt Lake Hardware Co.
Strevell-Paterson Hardware Co.

VERMONT.

BURLINGTON—Goodell, J. W.
FAIR HAVEN—Fair Haven Marble & Marble-ised Slate Co.
MONTPELIER—Peck Bros.
RUTLAND—Landon, W. C. & Co.
Rutland Marble Mfg. Co.

VIRGINIA.

DANVILLE—Hodnett-Vass-Watson Co.
HAMPTON—Booker, H. E. & Co.
LYNCHBURG—Adams, Monroe Mfg. Co.
Doherty & Casey
NEWPORT NEWS—Rosenbaum Hdw. Co.
NORFOLK—Addenbrook's, J. U. Sons
Barnard, W. H. & Co.
Clark, Frank T. Co.
Nash, C. A. & Son
Thomason, W. S. Co.
White Hdw. Co.
PETERSBURG—Leonard, Chas.
Stratton & Bragg
PORTSMOUTH—Hawks-Maupin Co.
RICHMOND—Baldwin & Brown, 1557 E Main
McGraw, Jas., 1440 E Main
Mills, Morgan R., Bank of Richmond Bldg
Richmond Hardware Co., 101 So. 14th
Southern Plumbing & Mantel Co., 619 E. Main
Virginia-Carolina Hardware Co., 1322 E
ROANOKE—Marsteller, J. H.
Marsteller, J. H.
Nelson Hardware Co.
SUFFOLK—Folk, E. L. & Co.

WASHINGTON.

BELLINGHAM—Northwest Hardware Co.
SEATTLE—Miles, Z. C. & Piper Co., 1st av c Spring
SPOKANE—Holley, Mason Hardware Co.
Jensen-King-Byrd Co.
TACOMA—Bowie & Love
Hunt & Mottet Co.
Washington Mfg. Co.

WEST VIRGINIA.

CLARKSBURG—Williams & Davison Co.
HUNTINGTON—Emmons-Hawkins Hdw. Co.
PARKERSBURG—Chancellor Hdw. Co.
Smith, W. H. Hardware Co.
WHEELING—Burley, J. F. & Co., 1606 Market
Caldwell, B. F. & Co., 1508 Market
Chapman, W. H. & Sons, 1218 Main
Ott, Heiskel Hardware Co.
Wilson, W. A. & Sons

WISCONSIN.

APPLETON—Galpin's, Alfred Sons
Schlafer Hardware Co.
Teech, Wm.
LA CROSSE—Dittman, Fredk.
Kroner, Adam
Kroner, Fredk. Hardware Co.
MADISON—Summer & Morris
MILWAUKEE—Durner, U. F., 28 Juneau av
McCusker, J. D & Co., 612 Grand av
Neidner, H. & Co., 49 Oneida
Ormsby Mantel & Grate Co., 455 Milwaukee
Wisconsin Mantel & Tile Co., 490 Milwaukee
Wollaeger Mfg. Co., 636 N Water
RACINE—Hoernel Hardware Co.
Kersten, Henry A.

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Mantels (Brick)

Carnegie Brick & Pottery Co. (Or Tile), San Francisco, Cal.
Fallston Fire Clay Co., Fallston, Pa.
FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)
Harris Brick Co., Zanesville, O.
Los Angeles Pressed Brick Co. (Or Tile), Los Angeles, Cal.
Orchard Knob Clay Works Co., Ironton, O.
Phila. & Boston Face Brick Co., Boston, Mass.
Steiger Terra Cotta & Pottery Wks. (or Tile), San Francisco, Cal
Washington Brick & Lime Mfg. Co., Spokane, Wash.

Mantels (Faience)

Grueby Faience Co., E 1st & K, Boston, Mass.
Hartford Faience Co., Hartford, Conn.
Zanesville Tile Co., Zanesville, O.

Mantels (Iron, Electro Bronze Plated)

Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.

Mantels (Marble)

(See Marble Interior Work)

Mantels (Marbleized Iron)

Bridgeford & Co., Louisville, Ky.
Fischer-Leaf Co., 1438 High, Louisville, Ky.
Kentucky Stove Co., Louisville, Ky.

Mantels (Marbleized Slate)

Allen's, S. Sons, Fair Haven, Vt.
Bangor Crescent Slate Co., Bangor, Pa.
Coulman & Westcott, Fair Haven, Vt.
Criterion Slate Co., Hydeville, Vt.
Excelsior Slate Co., Pen Argyle, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hinchy, Patrick, Hydeville, Vt.

Mantels (Mosaic)

Cargill Co. (Wholesale Mfrs.), Grand Rapids, Mich.
CURRIER, E. BRADLEY CO., 119 W 23d & 114 W 24th, New York. (See adv. index, end of book)
Giannini & Hilgart, 211 E Madison, Chicago, Ill.
Hawes & Dodd, 24 Adams, Chicago, Ill.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Pellarin & Co., 82 Greenwich av, New York
Sharpless & Watts Co., 1519 Walnut, Phila., Pa.
Stolzenberg Co., 51 & 53 Barclay, New York
Tiffany Studios, 347 Madison av, New York
Traitel Bros. & Co., 44 E 19th, New York
Zanesville Tile Co., 147 W 23d, New York, & Zanesville, O.

Mantels (Onyx)

Fisher, Robert C. Co., E 139th & Locust av, New York
Klaber, S. & Co., 126 W 34th, New York
McGratty & Sons, 313 Butler, Brooklyn, N.Y.
Theis, Peter Sons, c 1st av & 37th, New York

Mantels (Slate)

(See also Slate Mill Stock; also Mantel, Grate & Tile Dealers; also Mantels, Marbleized Slate)
Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Auld & Conger Co., Cleveland, O.
Bangor Crescent Slate Co., Bangor, Pa.
Chicago Slate & Mantel Co., 232 S Clinton, Chicago, Ill.
Columbia Bangor Slate Co., Bangor, Pa.
Fair Haven Marble & Marbleized Slate Co., Haven, Vt.
Hahn, Granville, Walnutport, Pa.
Hall-Kline Co., 1927 Market, Phila., Pa.
Hinchey, Patrick, Hydeville, Vt.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York, and 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Mack, Jno., Middle Granville, N. J.
Monson Maine State Co., 113 Devonshire, Boston, Mass.
North Bangor Slate Co., Bangor, Pa.
Penna. Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E 138th, New York
Schilling & Co, 43 Eagle, Albany, N. Y.
Williams & Schmidt, Granville, N. Y.

Mantels (Terra Cotta)

(See Terra Cotta, Architectural)

Mantels (Wood)

(See also Mantles, Grates & Tiles)
Alcott-Ross Co., 2917 N Broad, Phila., Pa.
Allen & Curry (Wholesale Mfrs.), Shreveport, La.
American Sash & Door Co. (Roach & Kienzle Factory) (Wholesale Mfrs.), Kansas City, Mo.
Art Furniture & Grill Co., Seattle, Wash.
Atkin, C. B., Co. (Wholesale Mfrs.), Knoxville, Tenn.
Bennett, E. D., San Francisco, Cal.
Bering Mfg. Co. (Wholesale Mfrs.), Houston, Tex.
Bossert, Louis & Son, Grand st & Newtown Creek, Brooklyn, N. Y.
Broadbent, Felippe A., Mantel Co., Baltimore, Md.
Burritt, A. W., Co., Bridgeport, Conn.
Caroline Mfg. Co., Charlotte, N. C.
Capitol Lumber Co., Indianapolis, Ind.
Cargill So. (Wholesale Mfrs.), Grand Rapids, Mich.
Columbia Mantel Co. (Wholesale Mfrs.), Louisville, Ky.
Conway Veneered Door & Mantel Co., 20th & St. Paul av, Milwaukee, Wis.
Cumberland Sash & Door Co. (Wholesale Mfrs.), Cumberland, Md.
CURRIER, E. BRADLEY CO., 119 W 23d, New York. (See adv. index, end of book)
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia., & Sioux City, Ia.
Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Curtiss, A. Judson, Kalamazoo, Mich.
Dame Mantel Co. (Wholesale Mfrs.), Harriman, Tenn.
Davis, E. J., Mfg. Co., 9 Jackson boul., Chicago, Ill.
Dawson Bros. (Wholesale Mfrs.), 197 N Halstead, Chicago, Ill.
Disbrow, M. A. & Co. (Wholesale Mfrs.), Lyons, Ia.
Dixie Mantel & Mfg. Co. (Wholesale Mfrs.), Maryville, Tenn.
Ehman, C. & Co. (Inc.) (Wholesale Mfrs.), Decatur, Ill.
Enterprise Planing Mill Co., Hillsboro, O.
Enterprise Plaining Mill Co., Hillsboro, O.
Fletcher Mfg. Co. (Wholesale Mfrs.), Dixon, Ill.
Forest City Furniture Co. (Wholesale Mfrs.), Rockford, Ill.
Foster-Munger Co. (Wholesale Mfrs.), W 20th & S Sagamon, Chicago, Ill.
Gauger, Jno. A. & Co. (Wholesale Mfrs.), W 22d & Laflin, Chicago, Ill.
Gould Mfg. Co. (Wholesale Mfrs.), Oshkosh, Wis.
Grand Rapids Clock & Mantel Co., Grand Rapids, Mich.
Hegan Mantel Co., Louisville, Ky.
Hornet Mantel Co., 1114 Market, St. Louis, Mo.
Hyde-Murphy Co., Ridgeway, Pa.
Ironton Wood Mantel Co., Ironton, O.
Irving & Casson, 150 Boylston, Boston, Mass.
Jackson, Edwin A. & Bro., 50 Beekman, N.Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq), New York, and 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
Jamestown Mantel Co., Falconer, N. Y., & 884 Columbus av., New York
Kertscher & Co., Elmira, N. Y., & 18 Lawrence, New York
Killian Bros. & Sommer, 12th av & 30th, New York
King Mantel Co., Knoxville, Tenn.
Knoxville Furniture Co. (Wholesale Mfrs.), Knoxville, Tenn.
Leclair Mfg. Co., Edwardsville, Ill.
Lorensen, Chas. F. & Co., 278 N Ashland av, Chicago, Ill.
McClamroch Mantel Co., Greensboro, N. C.
McMillen, R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
Manhattan Mantel Co., 145 Av D, New York
Matthews Bros. Mfg. Co., Milwaukee, Wis.
Messer & Isenberg, 62 Springfield, Newark, N. J.
Mitchell, Robert Furniture Co., 624 Race, Cincinnati, O.
Moline Furniture Works, Moline, Ill.
Moore, Geo., & Sons, Nashville, Tenn.
Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis., & W 23d & S Union, Chicago, Ill.
Moss, R. L. Mfg. Co. (Wholesale Mfrs.), Athens, Ga.
Mount Airy Mantel & Table Co., Mount Airy, N. C.
Munson & Johnson, Jamestown, N. Y.
Muscatine Sash & Door Co. (Wholesale Mfrs.), Muscatine, Ia.
Nalle & Co. (Hard & Soft Wood Wholesale Mfrs.), Austin, Tex.
National Lumber Co. (100 Designs), McKeesport, Pa.
Nesbit, D. M. Co., Lewisburg, Pa.
Newark Mantel & Furniture Co., Newark, N. J.
New York Dimension Supply Co., Evansville, Ind.
Ocker & Ford Mfg. Co., Grand Rapids, Mich.
Ostendorf, W. H., 2417 N Broad, Phila., Pa.
Paine Furniture Co., 48 Canal, Boston, Mass.
Paine Lumber Co. (Wholesale Mfrs.), Oshkosh, Wis., & 1 Madison av, New York
Palmer-Fuller & Co. (Wholesale Mfrs.), 2244 Lumber, Chicago, Ill.
Paulson, John P., Denver, Colo.
Peterson, Geo. L. Co., 273 Sangamon, Chicago, Ill.
Phillips & Buttorf Mfg. Co., Nashville, Tenn.
Peirce, W. E. & Co., Milford, N. H.
Pottier & Stymus Co., 375 Lex. av., New York
Quincy Show Case Works, Quincy, Ill.
Rathbone & Panigot Co., Grand Rapids, Mich.
Richmond Wood Working Co., Richmond, Va.
Riggs Cypress Co. (Wholesale Mfrs.), Patterson, La.
Roach & Musser Sash & Door Co. (Wholesale Mfrs.), Muscatine, Iowa
Roberts, E. L. & Co. (Wholesale Mfrs.), W 22d & Union pl., Chicago, Ill.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockford Mantel Co., Rockford, Ill.
Ross Mantel & Mfg. Co., Buffalo, N. Y., & 884 Columbus av, New York
Rummer, H. B., 367 W 11th, New York
St. Croix Lumber Co., 185 E Fairfield av, St. Paul, Minn.
St. Paul Furniture Co., 415 Rosabel, St. Paul, Minn.
Standard Mantel Co. (Wholesale Mfrs.), Knoxville, Tenn.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Sterling Furniture Co., 1089 Market, San Francisco, Cal.
Steul & Thurman, 278 Johnson, Buffalo, N. Y.
Stuhlmiller Mantel Works, Buffalo, N. Y.
Sunshine Mantel Co. (Wholesale Mfrs.), Chanute, Kan.
Taylor, Wm. M., Mantel & Grate Co. (Inc.), Columbus, O.
Tell City Desk Co., Tell City, Ind.
Thauwald, C. F. & Co., 1214 Harrison av, Cincinnati, O.
Thompson, Lewis & Co., 18th c Indiana av, Phila., Pa.
Tionesta Mantel Mfg. Co., Tionesta, Pa.
Voss, A. F. Mantel Co. (Wholesale Mfrs.), 16th & Arbegust, Louisville, Ky.
Warren Woodworking Co., Belvidere, N. Y.
Whitcomb Cabinet Co., Wyandotte & 18th, Kansas City, Mo.
White Mantel & Tile Co., Knoxville, Tenn.
White, Potter & Paige Mfg. Co., 415 Willoughby, Brooklyn, N. Y., & 26 W. 24th, Williams Mfg. Co., Portland, Me. New York
Zanesville Mantel & Furniture Co., Zanesville, O.

Mantles (Arc)

General Gas Light Co. ("Humphrey" Single & Double Weave), Kalamazoo, Mich.

Mantles (Incandescent Gas)

Aurora Mantel Mfg. Co., Aurora, Ill.
Best Light Co., Canton, O.
Bradford Incandescent Light Co., Bradford, Pa.
Bridgeport Ignito Mantle Co., Bridgeport, Conn.
Brilliant Gas Lamp Co., 42 State, Chicago, Ill.
Buffalo Gas Mantle Co., 15 Niagara, Buffalo, N. Y.
Cosmopolitan Co. ("Cosmopolitan"), Kansas City, Kans.

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Cosmopolitan Electric Co., 115 Dearborn, Chicago, Ill.
Denver Gas Mantle Co., Denver, Colo.
Deutsch, Chas. (Plain and Fancy Webbings). 534 E 87th, New York
Duquesne Incandescent Light Co., Pittsburg, Pa.
Empire Light Co., Buffalo, N. Y.
Erie Gas Mantle Mfg. Co., Erie, Pa.
Forest City Incandescent Mantle Co. ("Paragon," "Monitor," "Ohio"), Cleveland, O.
Freeman, Philip, & Bros., 92 Bowery, New York
Herz Lighting & Mfg. Co., St. Paul, Minn.
Hickory Gas Mantle Co., St. Paul, Minn.
Hipwell Mfg. Co., Pittsburg, Pa.
Illinois Mantle & Fixture Co., 160 Lake, Chicago, Ill.
Irby & Gilliland, Memphis, Tenn.
Liberty Gas Light Co. (Liberty & Francis Double Cap), 1334 N. High, Columbus, O.
Lindsay Light Co., 195 Mich, Chicago, Ill.
Manufacturers' Supply Co., Cleveland, O.
Mica Mfg. Co., 307 W B'way, New York
Michigan Gas Mantle Co., Detroit, Mich.
Momand, S. S. Light Co. ("Arrow," "Brilliant," "Lion," "Sunlight"), 305 Columbus av, New York
New Process Gas Mantle Co., 31 Bank, Phila., Pa.
Omaha Mantle Mfg. Co. ("Diamond"), Omaha, Neb.
Peerless Light Co. ("Flexa"), 185 Lake, Chicago, Ill.
Perfected Mantle Co., 18 Warren, New York
Phoenix International Light Co., Milwaukee, Wis.
Ramsdell Inverted Gas Lamp Co., 1123 B'way, New York
Retherford Bros. Co., Muncie, Ind.
Smith, F. A. Mfg. Co., Rochester, N. Y.
Solar Light Co., 381 Broome, New York
Steward, D. M. Mfg. Co. ("Alva"), Chattanooga, Tenn.
Thorium Light & Chemical Co., Columbus, O.
Van Houten, E. J. S., 74 Park pl, New York
Welderbold Light Co., Jersey City, N. J.
Welsbach Light Co. ("Majestic," "Shamrock," "Thenu," "Yusea," "Black Prince," "Metropolitan," "Clover," "Apollo," "Star," "Consul," "Aladin"), Gloucester, N. J.
West Somerville Mfg. Co., West Somerville, Mass.

Manual Training Outfits

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Densmore Bros., Red Wing, Minn.
Grimm, G. H., Rutland, Vt.
Hydraulic Press Mfg. Co., Mount Gilead, O.

*Marble (Alabaster)

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BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st. New York. (See adv. index, end of book)
Borgia Marble Works, 1133 B'way, New York
Christa, Philip & Sons, 504 Lafayette av, Detroit, Mich
Church Art Work Co., 151 E 18th, New York
DAPPRICH, L. H. CO., Van Buren & Dearborn, Chicago, Ill.
Daprato Statuary Co., 173 W. Adams, Chicago, Ill.
Empire City Marble Co., 250 11th av, New York
Fisher, Robert C. Co., E 139th & Locust av, New York
Hall, Chas. E. & Co., E Cambridge, Mass.
HILGARTNER MARBLE CO., Stockholm & Sharp, Baltimore, Md. (See adv. index, end of book)
Ledig, Reinhold G., 821 Cherry, Phila., Pa.
Leland & Hall Co., 557 5th av, New York
Marthens, Chester N. Co., 748 First National Bank bldg, Chicago, Ill
Pickel Marble & Granite Co., 1901 N Broadway, St. Louis, Mo
Sibbel, Jos., 214 E 26th, New York
Standard Marble Works (John M. Mueller, Jr., Propr.), 706 W Front, Cincinnati, O
Stoltzenberg Co., 51 Barclay, New York
Theis' Peter Sons, c 1st av & 37th, New York
Tiffany Studios, 347 Madison av, New York

*Marble (Antique Fonce & Verdatre)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Marble (Artificial)

AMERICAN ART MARBLE CO., 609 N. American, Phila., Pa. (See adv. index, end of book)
AMERICAN CONCRETE CO., 80 William, New York. (See adv index, end of book)
Art Marble Co., 389 Flournoy, Chicago, Ill.
ARTIFICIAL MARBLE WORKS, 306 E 40th, New York. (See adv. index, end of book)
California Scagliola Co., San Francisco, Cal.
Henry Marble Co., 3208 Shields, Chicago, Ill.
Marblecrete Products Co. ("Marblecrete"), Akron, N. Y.
MYCENIAN MARBLE CO., 524-26 W 34th, New York. (See adv. index, end of book)

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MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

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*Marble (Breche Rose & Vert)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Marble (Carrara)

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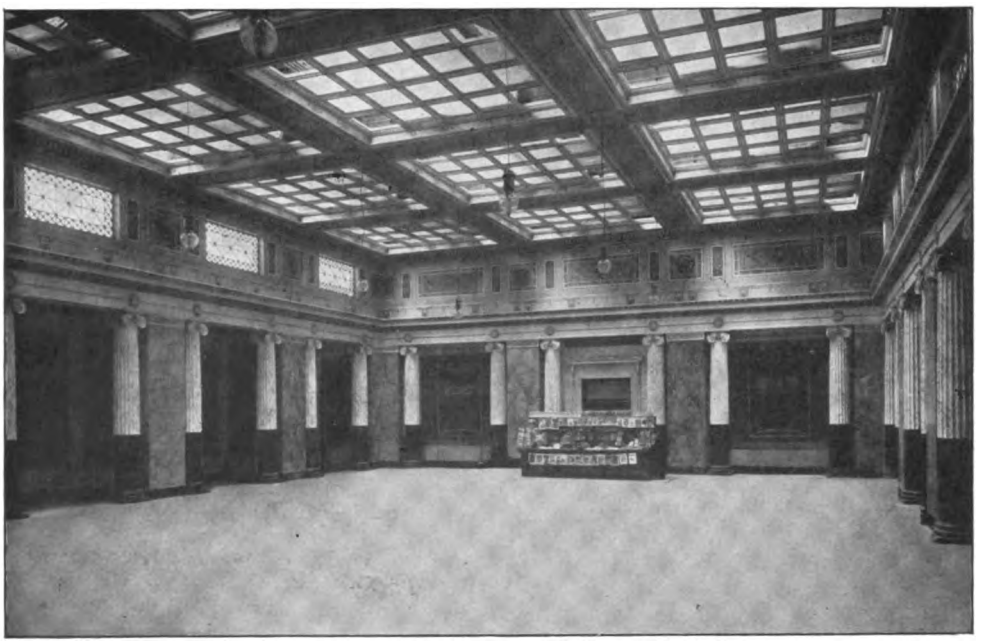
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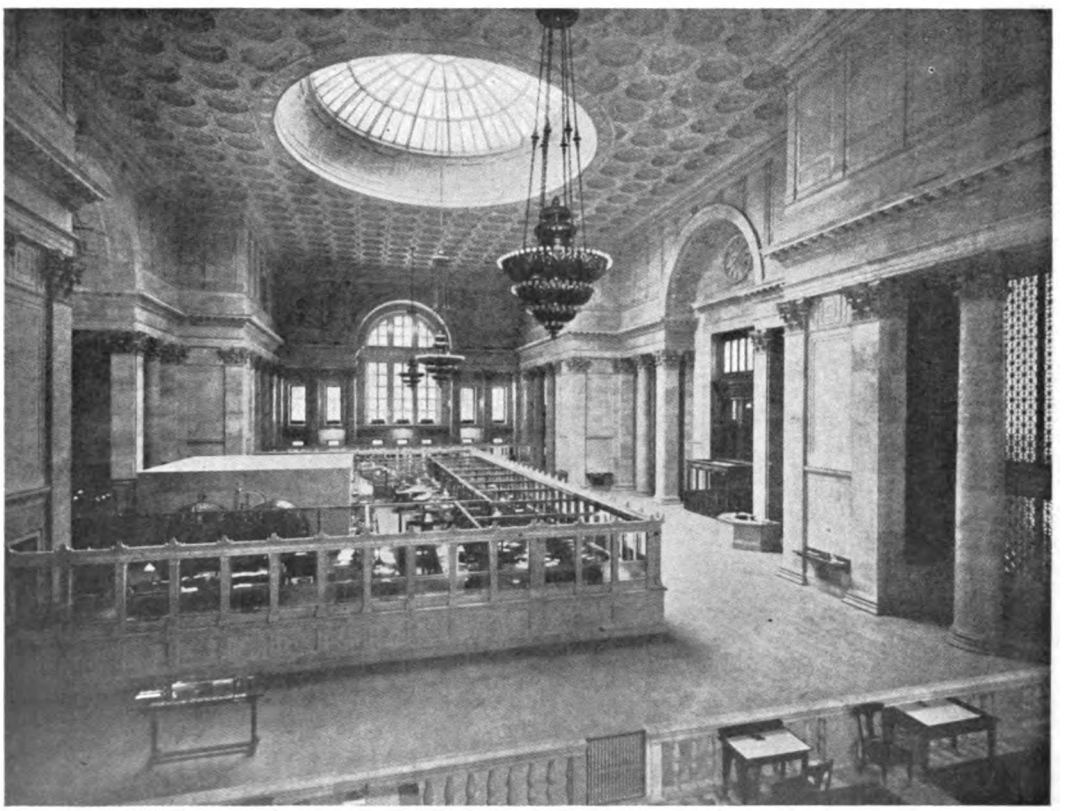
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(See Tools, Granite & Stone Cutters', Etc.)

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Higginson Mfg. Co., Newburgh, N. Y.
Illinois Marble Co., Edwardsville, Ill.
Jackson, C. D., 105th & E. R., New York
King, J. B., & Co., 1 B'way, New York
McIlvaine Bros. (For Builders' Use, Soap Makers & Granulated for Filtering, etc.), 1500 Hamilton, Phila., Pa.
North Georgia Marble Co., Talona, Ga.
O'Connell Lime & Marble Dust Co. Tuckahoe, N. Y.
RUTLAND FIRE CLAY CO. (Pulverized), Rutland, Vt. (See adv. index & branch offices, end of book)
Stearns Lime & Stone Co., 165 E Randolph, Chicago, Ill.
White Marble & Terrazzo Co., Lee, Mass.
Whitestone Marble Co., Atlanta, Ga.
Williamson, Frank, 2202 Chestnut, Phila., Pa.

Marble Electric Work

(See Marble Interior Work)

Marble Exterior Work

BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
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Bradbury Marble Co., 1229 S 2d, St. Louis, Mo.
BROWN, HERBERT L. CO., 26th & 5th av., New York. (See adv. index & branch office, end of book)
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Gray, Wm. & Sons, 30th & S Walnut, Phila., Pa.
McWhirter Cut Stone Co., Camden, N. J.
Norcross Bros. Co., Worcester, Mass.
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Vermont Marble Co., Proctor, Vt.

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Higginson Mfg. Co., Newburgh, N. Y.
Ohio Marble Co., Piqua, O.
Whitaker, W. H., 245 Front, New York

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Whitestone Marble Co. ("Whitestone" Granite), Atlanta, Ga.

*Marble (Graf Green)

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*Marble (Greek)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Marble (Green)

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Georgia Verd Antique Marble Co. ("Georgia"), 108 La Salle, Chicago, Ill. Quarries: Holly Springs, Ga.
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Schweyer, Henry A., Co. ("Sylvan Green"), Easton, Pa.
Westfield Marble & Sandstone Co., Westfield Mass

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(See also Marble, Wholesale)

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Empire City Marble Co., 90 West, New York
Evans Marble Co., 204 E York, Baltimore, Md.
Fenn, C. E. & Co., 164 Dearborn, Chicago, Ill.
Fisher, Robert C. Co., E 129th & Locust av, New York
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Maxwell & Dempsey, 76 Jefferson, New York
Peugnet, Edw. H., 1 Madison av, New York
Pisani Bros., 14th & Ave D., New York
Roussel, Albert C., 524 W 50th, New York
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Townsend, Townsend & Co., 453 W 21st, New York

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BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
Borgia Marble Works, 1133 B'way, New York
BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv., index, end of book)
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Marble Interior Work

(See also Plumbers' Marble Work; also Marble Producers)

Adler, Sigmund, 421 E 101st, New York
AMERICAN ART MARBLE CO., 609 N American, Phila., Pa. (See adv. index, end of book)
ARTIFICIAL MARBLE WORKS, 306 E 40th, New York. (See adv. index, end of book)
Barney Marble Co., Swanton, Vt.
BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
Bennington Marble Co., Dorset, Vt.
Blue Ridge Marble Co. (Georgia & Tenn. Marble Only), Nelson, Ga.

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Christa, Philip & Sons, 504 Lafayette boul, Detroit, Mich.
Cook, T. W. & Co., 1623 Tremont, Denver, Col.
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Davis Marble Co., 214 S. 24th, Phila., Pa.
Drake Marble & Tile Co., St. Paul, Minn.
Duquesne Marble Co., Pittsburg, Pa.
Eckhardt Monumental Co., 3043 Monroe, Toledo, O.
Ellin, Kitson & Co., ft of W 25th, New York
Empire City Marble Co., 90 West, New York
Eschmann, B. & J., 638 1st av, New York
Evans Marble Co., 204 E York, Baltimore, Md.
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Krulish Marble Co., 365 Avenue A, New York
Lloyd Bros. Co., Toledo, O.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
McLaury, D. H. Marble Co., Walnut av, nr 141st, New York
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Standard Marble Works (Jno. M. Mueller, Jr., prop.), 706 W Front, Cincinnati, O.
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*Marble (Penteli, White)

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Marble (Plumbers')

(See Plumbers' Marble Work)

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Whitestone Marble Co.
CANTON—Cherokee Marble Works
Georgia Marble Finishing Works
HOLLY SPRINGS—Georgia Verd Antique Marble Co. (Green)
Georgia Verd Antique Marble Co. (Green), 108 La Salle, Chicago, Ill.
Southern Marble & Stone Co.
MARBLE HILL—Marble Hill Quarry Co.
MARIETTA—Butler Marble & Granite Co.
Gober Marble Co.
Kennesaw Marble Co.
McNeel Marble Co.
NELSON—Creole Marble Co.
TALONA—North Georgia Marble Co.
TATE—Georgia Marble Co.
Sickels, Geo. B., Marble Co.

ILLINOIS.

CHICAGO—Evans Marble Co., Ashland blk
Georgia Verd Antique Marble Co. (Green), 108 La Salle, Quarries at Holly Springs, Ga.

MARYLAND.

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Evans Marble Co., 204 E. York
Sisson, Hugh & Sons, 210 E. Baltimore.
LOCH RAVEN—Baltimore County Marble & Trading Co. (White)

MASSACHUSETTS.

ASHLEY FALLS—Ashley Falls Marble Co.
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Gross, W. H.
Lee Marble Co.
White Marble & Terazzo Co.
WESTFIELD—Westfield Marble & Sandstone Co.
WEST STOCKBRIDGE—West Stockbridge Marble Works
WORCESTER—Norcross Bros. Co. (Georgia, Tuckahoe & Vermont), 10 E Worcester
Norcross-West Marble Co. (White, White Mottled & Silver Grey), 10 E. Worcester.
Mills, Manchester Depot, Vt.

MISSOURI.

CARTHAGE—Carthage Marble & White Lime Co.
Carthage Quarry Co.
Carthage Stone Co.
Kellog Marble Co.
Missouri Stone & Construction Co.
ST. LOUIS—Bradbury Marble Co., 1229 So. 2d
Carthage Marble & White Lime Co., Emilie bldg

NEW YORK.

GOUVERNEUR—Gouverneur Marble Co.
New York White Marble Co.
Northern New York Marble Co.
Scholton, D. G. (Wholesale)
St. Lawrence Marble Quarries
Whitney, Dan'l J. (Wholesale)
NEW YORK—Alabama White Marble Co., 156 5th av
BATTERSON & EISELE, Times bldg. (42d st.). (See adv. index, end of book)
BROWN, HERBERT L. & CO., 26th & 5th av. (See adv. index, end of book)
Colorado-Yule Marble Co., 320 5th av. Quarries: Marble, Colo.
Marble Hill Quarry Co., 34 Pine
Norcross Bros. Co. (Georgia, Tuckahoe & Vermont), 160 5th av
Snowflake Marble Co., 156 B'way
Tuckahoe Marble Co., 413 E 29th
Waverly Marble Co. (Tuckahoe), 1 Madison av

OHIO.

CINCINNATI—Meadow Marble Co. (Grey Tennessee)

PENNSYLVANIA.

EASTON—Schweyer, Henry A., Co. (Sylvan Green")
KING OF PRUSSIA—Schweyer & Liess (Blue & Dark Blue)
PHILADELPHIA — PENN. MARBLE & Granite Co. (Penna. White), Penna. bldg. (See adv. index, end of book)
Peverley Bros., Heed bldg
Reynolds, R. V. & Co., Heed Building
WEST GROVE—Penna. Marble and Granite Co.

TENNESSEE.

KNOXVILLE—Craig, Jno. J. Co.
Empire Marble Co.
Evans Marble Co.
Gray Eagle Marble Co.
Imperial Marble Co.
Knoxville Marble Co.
Knoxville Monumental Works
Republic Marble Co.
Ross, Jno. M.
Ross Marble Co.
Southern Monument Co.
Tennessee Producers' Marble Co.
United States Marble Co.
Victoria Marble Co.

VERMONT.

BURLINGTON—Goodell, J. W.
CLARENDON SPRINGS—Orvillo Marble Co.
DORSET—Bennington Marble Co.
EAST DORSET—Manchester Marble Co.
FAIR HAVEN—American Marble Co.
American Marble & Marbleized Slate
Warner, Jacob.
FOWLER—Rutland Florence Marble Co.
MANCHESTER CENTER—Beebe, Wm. G.
MANCHESTER DEPOT — Norcross - West Marble Co. (White, White Mottled & Silver Grey)
MIDDLEBURY—Brandon Italian Marble Co.
PROCTOR—Vermont Marble Co.
RUTLAND—Vermont Marble Co., Centre Rutland
SWANTON—Barney Marble Co.
WEST RUTLAND—West Rutland Marble Co.

VIRGINIA.

RICHMOND—Wray, Andrew J.

*Marble (Rose Vif.)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

*Marble (Rosso Antico)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Marble (Royal Irish Green)

Fisher, R. C. & Co., E 139th & Locust av, New York

Marble Sawing Machines

(See Stone Sawing Machines)

Marble (Serpentine)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)
Fisher, Robert C. Co., E 139th & Locust av, New York
Jackson, C. D., 105th & E. R., New York
Tompkins-Kiel Marble Co., 505 5th av, New York
Westfield Marble & Sandstone Co. (Black & Green), Westfield, Mass.

*Marble (Skyros)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

*Marble Statuary

BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)

*Marble (Styra, Cippolino)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

*Marble (Tinos)

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)

Marble (Wholesale)

(See also Marble Importers)

BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)
Bradbury Marble Co. (Georgia, etc.), 1229 S 2d, St. Louis, Mo.
California Marble & Construction Co., San Francisco, Cal.
Carthage Marble & White Lime Co. (Georgia & Tennessee), Emilie bldg, St. Louis, Mo.
Evans Marble Co., York & William, Baltimore, Md.
Fenn, C. E. & Co., 164 Dearborn, Chicago, Ill.
Freedley, J. K. & Sons, 210 S 24th, Phila., Pa.
HILGARTNER MARBLE CO., Stockholm & Sharp, Baltimore, Md. (See adv. index, end of book).
Jackson, C. D., 105th & E. R., New York
Piscani Bros., Astoria (Borough of Queens, New York)
Roussel, Chas. J., 524 W 50th, New York
Southern Marble Co., Atlanta, Ga.
Taber & Co., 24 Corlears, N. Y.
Temple Bros., Rutland, Vt.
Tompkins-Kiel Marble Co. ("Eastman's," Cream, Green & White), 505 5th av, New York
Vermont Marble Co., Main Office, Proctor, Vt.
Williamson, Frank, 2202 Chestnut, Phila., Pa.

Marble Workers' Tools

(See Tools, Granite & Stone Cutters')

Marblecrete

Marblecrete Products Co., Akron, N. Y.

Marbles (Playing)

Johnston & Sharp Mfg. Co. (Hollow Steel), Ottumwa, Ia.
Standard Toy Marble Co. (Toy Marbles), Akron, Ohio

Marine Railway Builders

Crandall, H. I. & Son Co. (For Dry Docks), 100 Border, E. B., Boston, Mass.
Devney, H. J. & J. P., Ashtabula, O.
Laird & Sons, Ashtabula, O.
Murray, Jas. & Son, 102 E York, Baltimore, Md.
National Water Tube Boiler Co., New Brunswick, N. J.
New London Marine Iron Works, New London, Conn.

Marine Railways

(See Dry Docks & Marine Railways)

*Marine Repairs

GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av., Phila., Pa. (See adv index & branch offices, end of book)

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Markers (Center)

Cleveland Steel Tool Co. (Structural Iron), Cleveland, O.
Wiedeke, Gustav & Co. (Boilermakers'), Dayton, O.

Markers (Clap-Board)

Goodell-Pratt Co. ("Shepardson"), Greenfield, Mass.
Smith, Otis A., Rockfall, Conn.

Marquees

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
Glen Mfg. Co., Ellwood City, Pa.
HALSTED, JOS. CO., 388 W Randolph, Chicago, Ill. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co. (Bronze), Mount Vernon, N. Y.
JACKSON, WM. H. COMPANY (Iron & Bronze) 29 E 17th (Union sq), New York & 163 Michigan ave, Chicago, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
PHOENIX STEEL CO. (Inc.) (Bronze or Iron), Putnam & P. R. R., Pittsburg, Pa. (See adv. index, end of book)
PITT, WM. R. COMPOSITE IRON Works (Iron & Glass), 136-138 W 24th, New York. (See adv. index, end of book)
REMPPIS, WM. F. CO., Reading, Pa. & 1506 Sansom, Phila., Pa. (See adv. index, end of book)
Richey, Browne & Donald, Maspeth (Boro of Queens), N. Y. City
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
SMITH, S. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE CO., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TAYLOR & DEAN, Penn av & 25th, Pittsburg Pa. (See adv index, end of book)
Tiffany Studios, 347 Madison av, New York
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See av. index & branch offices, end of book)
UNION FOUNDRY WORKS, 1st Nat'l Bank bldg, Chicago, Ill. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
WINSLOW BROS. COMPANY, Main Office & Works, 2515 W Harrison, Chicago, Ill., & 108 Park av, New York. (See adv. index & branch offices, end of book)

Mashers (Potato)

Brown & Dowd Mfg. Co. ("Rapid" Masher & Beater), Meriden Conn.
Goodell Co., Antrim, N. H.
Hamblin & Russell Mfg. Co. Worcester, Mass.
Kilbourne Mfg. Co. (Wire), Troy, N. Y.
Lasher Mfg. Co. ("Lebanon," Masher & Beater), Davenport, Ia.
Metal Finishing Co., Union City, Conn.
Weed Mfg. Co., Laconia, N. H.
Wire Goods Co. (Wire), Worcester, Mass.

Masks (Base Ball)

Hamblin & Russell Mfg. Co. ("H. & R."), Worcester, Mass.

Masons' Leads

(See Plumb Bob Manufacturers)

Masons' Lines

Hoffman-Corr Mfg. Co., 55 White, New York
Ossawan Mills Co., Norwich, Conn.
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 78 Chauncy, Boston, Mass. (See adv. index, end of book)

Masons & Builders

(See Builders, Contracting; also Contractors, General; also Plasterers, Ornamental)

Masons' & Builders' Materials

(See also Brick, Various Kinds)

Cement, Various Kinds.
Chimney Pipe, etc.
Fire-Proofing, Various Kinds.
Flue Linings.
Granite, Various Kinds.
Hangers, Joist.
Lath, Metal, etc.
Lime Mfrs.
Marble, Various Kinds.
Mortar Colors.
Plaster, Various Kinds.
Sand & Gravel Dealers.
Sewer Pipe.
Slate, Various Kinds.
Stone, Crushed.
Stone Producers, Workers, etc.
Terra Cotta, Architectural.
Wall Finishes.
Wall Ties.

ALABAMA.

ANNISTON—Anniston Lime & Stone Co.
Anniston Supply Co.
Houser, C. J.
Whetstone & Co.
BESSEMER—Edwards, G. B.
BIRMINGHAM—Am. Wood Fibre Plaster Co.
Birmingham Sand Brick & Supply Co.
Baldwin, J. Frank, 2217 Morris av
Brewer, W. P.
Carolina Portland Cement Co.
Cement Block Mfg. Co.
Savage Sand & Supply Co.
Wood Dickerson Co.
Woodlawn Supply Co.
EUFAULA—Eufaula Lumber Co.
LONGVIEW—Longview Lime Works
MARION—Woodfin, S. V.
MOBILE—Bray, Harry H.
Mobile Coal Co.
St. John & Co.
MONTGOMERY—Alabama Lumber Co.
Bogacki, C. Y.
Hobbie, H. M. Grocery Co.
Kennedy Co.
Payne & Payne Building Material Co.
Riverside Brick Co.
Vandiver, W. F. & Co.
Vesuvius Lumber Co.
Winter, Loeb & Co.
SELMA—Schuster, B. J.
Tissier Hdw. Co.
SHEFFIELD—Marks, H.

ARIZONA TERRITORY.

DOUGLAS—Roy & Titcomb
PHOENIX—De Mund Lumber Co.
Ryder, H. W.
TUCSON—Tucson Lumber Co.

ARKANSAS.

BATESVILLE—Hanford (the) Stone & Lime Co.
HELENA—Carvill, Herman & Co.
Hargraves, D. T. & Co.
Straub, N. Sons Mercantile Co.
JONESBORO—Barton Lbr. & Brick Co.
Stuck, C. A. & Sons
JONESBORO—Barton Lbr. & Brick Co.
Stuck, C. A. & Sons
LITTLE ROCK—Arkansas Brick & Mfg. Co.
Jones, Dudley E., Co.
Leifer Mfg. Co.
Leiper, G. A.
MAGNOLIA—Warnock, W. H.
PINE BLUFF—Bastrop Lumber Co.
Westbrook Grain & Commission Co.
TEXARKANA—Chatfield & Buhrman Hardware Co.

CALIFORNIA.

ALAMEDA—Rhodes & Jamieson
BERKELEY—Foss, F. W. Co.
Wilhelmi & Co.
Taylor, Henry W.
EUREKA—Bayside Lumber Co.
FRESNO—Pierce, C. S., Lumber Co.
Valley Lumber Co.
LODI—Smith & Bryant Lumber Co.
Young, W. A., Lumber Co.
LOS ANGELES—Fuller, W. P. & Co., 144 N Los Angeles
Ganahl, C. Lumber Co., 830 E 1st
Grand Canyon Lime & Cement Co., ft of Turner & Santa Fe R. R. Yards
Heisel, M. L., 636 S Hope
Los Angeles Lime Co., 359 E 2d
Los Angeles Storage, Commission & Lumber Co.
Missall, E. H. & Co., 920 Towne
Scherm, J. S., ft of Turner
Snyder Lime Co.
Spreckels Bros. Commercial Co., 126 W 2d
Union Lime Co.
Western Commercial Co., 425 E Market
MARYSVILLE — Marysville Sand, Cement Block & Brick Co.
NAPA—Hatt, A. Warehouse & Lumber Co.
Shwars, H. Co.
OAKLAND—Remillard Brick Co., 2d & Clay
Stone, E. B. & A. L. Co.
Weilbye, W. H., Telegraph av & 18th
PASADENA—Blinn, L. W. Lumber Co.
Kerckhoff-Cuzner Mill & Lumber Co.
PETALUMA—Kahn, A.
RED BLUFF—Holt & Gregg Co.
SACRAMENTO—Kreuzberger, Bartlo
SAN DIEGO—Schirm, J. S.
SAN FRANCISCO—Balfour, Guthrie & Co., 320 Sansome
Brady, Mathew & Co., Monadnock Bldg.
Builders' Supply Co., 42 Eighth
Building Material Co., Monadnock Bldg.
Burgess C. W., 1716 Mission
California Builders' Material and Mfg. Co.
Chuffuck & Harris, 710 Mission
Cowell, Henry, Lime & Cement Co., Buckley Bldg.
Cunningham, G. H., 40 8th
Dempster & Son, Merchants Exchange bldg
Dolan Co., 1643 Market
Fernald Co., 248 Tehama
Gillon, Edward E., 1432 Point Lobos av.
Girvin & Eyre, 426 California
Grace, Wm. R. & Co., 612 California
Holden & Deuprey Co., 126 W Mission
Holmes Lime Co., Mutual Savings Bank
Lennon, James E., 362 Church Bldg.
Liggett & McCroskey, 680 Mission
McNear, F. W., 2155 Canal
Meyer, Wilson & Co., 426 California
Monterey Lime Co., Battery & Wash'n
North Point Warehouse Co., Mason & Bay
Pacific-Portland Cement Co., Pacific Bldg.
Pendleton, H. C., 328 Fell
Prindle, Arthur, 185 Stevenson
Rosekrans, H. & Co., 511 6th
Smith, Sterling W., Monadnock Bldg.
Snell, Edw. L., 425 Fulton
Spreckels, J. D. & Bros., 90 Clay
Sullivan, D. J. & T., 1942 Folsom
Tuttle, John, 110 Webster
United Builders' Supply Co. 687 Mission
United Materials Co., 10 3d
Waterhouse & Price, 228 Oak
Western Builders' Supply Co., 680 Mission
Western Building Material Co., 430 California
Western Fuel Co., 430 California
Western Lime & Cement Co., 268 Market
Western Supply Co., Pacific Bldg.
Williams & Carter Co., 197 Jessie
Willkomm Building Supply Co., 149 Tehama
SAN JOSE—Hart, H. & Co.
SANTA ANA—Pendleton, S. H. Lumber & Mill Co.
SANTA BARBARA—Union Mill Co.
SANTA ROSA—Berka, F.
STOCKTON—Hammond & Yardley
Hedges, Buck & Co.
VALLEJO—Aden Co.

COLORADO.

ASPEN—Tomkins, Lewis H. Hardware Co.
DENVER—Barrows, Geo. A. Lime Co., 1570 14th
Cement, Stone, Brick & Sand Co.
Cement & Lime Products Co.
Colorado Lime & Fluxing Co., McPhee Bldg.
Fisher, Francis J. & Co., 1704 16th
Fleming Bros., 189 Broadway
Hallack Lumber & Supply Co., 3901 Gilpin
Hathaway, S. T., 11th cor Wewatta
McPhee & McGinnity, 18th c Wazee
Pearl Lime & Coal Co., 1475 W. Colfax av.
Portland Cement Co. (Mfrs. & Jobbers), Colorado Bldg.
Rocky Mountain Fuel Co., 1010 16th
Sayre-Newton Lumber Co., 23d & Blake
Threewit, Benj. F., 1700 15th
Western Cement & Lumber Co., 9th & 23d
GREELEY—Neill & Ward
LEADVILLE—Harvey, John Fuel & Feed Co.
Leadville Hdw. Co.
Williams Lumber Co., 6th & Hemlock
PUEBLO—Newton Lumber Co.
RED CLIFF—Fleming, J. F. & Co.
ROCKY FORD—English, R. W. Lumber Co.
TRINIDAD—Davis, O. L. Lumber Co.
Hughes Bros. Lumber Co.

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CONNECTICUT.

BERLIN—Merwin Brick Co.
BRIDGEPORT—Burns & Co., 83 Fairfield
Purdy, Henry M. Co., 550 Water
Wheeler & Howes, United Bank bldg.
BRISTOL—Judd, D. B. & Co.
Saxton & Strong, 155 N. Main
BROOKFIELD—New England Lime Co.
CANAAN—Canfield Lime Co.
DANBURY—Osborn, A. C.
DANIELSON—Nichols, James A. & Co.
Young Bros.
DERBY—Abbott & Co.
GREENWICH—Brush, Joseph
Maher Bros.
HARTFORD—Belden, Seth & Son, 69 Commerce
Billings Sidewalk & Coal Co., 487 Sheldon
Coburn, Charles, 154 State
Hartford Pulp Plaster Co., 300 Sargeant
Putnam, H. E., 300 Sargeant
Watson, Alexander
JEWETT CITY—Church, R. R.
LAKEVILLE—Spurr, E. W. Co.
MANCHESTER—Hollister, Wesley
MERIDEN—Lines, H. Wales Co., 184 State
Lyon & Billard Co., 13 S. Colony
MIDDLETOWN—Davis, L. O. & E. S.
Suzio, Leonardo
MILFORD—Smith, D. E.
NEW BRITAIN—City Coal & Wood Co., 246 Main
Damon, W. L.
NEW CANAAN—Weed & Turner
NEW HAVEN—Atwater, W. J. & Co., 962 Grand
Conn Adamant Plaster Co., 10 River
Howard Co., 250 Boulevard
Lightbourne & Pond Co., 83 B'way
New England Stone Co.
Warner-Miller Co.
NEW LONDON—Ladd, F. M. Co.
Marquardt Bros.
NEW MILFORD—Beach, C. M.
Soule, T. Co.
NORWALK—Hubbell, Hall & Randall Co.
Meeker Coal Co.
NORWICH—Carpenter, A. N.
Chappel, E. Co.
Peck, McWilliams & Co.
PORTLAND—Strong & Hale
PUTNAM—Fox, Jno. O. & Co.
Kinney, Myron & Son
Wheaton Building & Lumber Co.
ROCKVILLE—Hill, Geo. W.
ROXBURY STATION—Hodge, A. L. & Son
SEYMOUR—Beach, A. Y.
SHELTON—Clark, D. N., 32 Bridge
SOUTHINGTON—Southington Lumber & Feed Co.
SOUTH NORWALK—(See Norwalk)
SOUTHPORT—Northrop Bros.
STAMFORD—Bounty, A. E.
SUFFIELD—Spencer Bros.
TORRINGTON—Bronson Lbr. & Coal Co.
Hotchkiss Bros. Co.
WALLINGFORD—Gallagher Bros.
WATERBURY—Bergen, Edw. & Sons, 475 Baldwin
Chatfield, Geo. S. Co., 73 Canal
Chatfield & Chatfield, 99 Benedict
Gaffney, John W. & Son, 427 E Main
Lane, Alfred H.
McManus, Edw.
WATERTOWN—Atwood, C. W.
Hitchcock Hardware Co.
WEST REDDING—New England Lime Co.
WILLIMANTIC—Hillhouse & Taylor, 47 Milk
WINDSOR LOCKS—Eidwell, F. S. & Co.
WINSTED—Bronson Bros.
Burwell, J. C.

DELAWARE.

GEORGETOWN—Thoroughgood, Wm. J.
MIDDLETOWN—Hukill, G. E.
NEWARK—Wright, H. B. Co.
NEW CASTLE—Eliason, J. T. & L. E.
NEWPORT—Justis, Justa G.
WILMINGTON—Conloy Bros.
Pyle, Victor R.
Warner, Chas. Co. (Wholesale)
Woodward & Bro.

DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 614 11th, N W
Barker, Geo. M., 649 New York av, N W
Clark, T. E., 1305 N. J. av
Cranford Paving Co., 2620 E. N W
Hartig, Gustav, 509 H, N E
Hartig, Louis, 1001 7th, N W
McGill, Jas. H., McGill bldg
National Mortar Co., 612 F, N W
Rosslyn Supply Co., Colorado bldg
Walker's, J. T. Sons, 1740 7th, N W
Water, J. G. & Sons, 1045 Wisconsin av, NW
Wyne, J. R. & Co., 209 12th, NW

FLORIDA.

DAYTONA—Maley, R. S.
GAINESVILLE—Baird Hdw. Co.
JACKSONVILLE—Jacksonville Concrete Co.
Richardson, H. H. & Co. (Front Brick, Cement, Lime, Wall Plaster, etc.)
Southern Fuel & Supply Co.
KEY WEST—Curry's, Wm. Sons, 611 Front
OCALA—McIver & MacKay (Dealers)
ORLANDO—Bumby, Jos.
PALATKA—Kennerly Hdw. Co.
Merryday Grocery Co.
ST. AUGUSTINE—Hamblen, C. F.
SANFORD—Fernald, Geo. H. Hardware Co.
Hill, A. E.
TAMPA—Knight & Wall Co.
Phillips, I. W. Co.

GEORGIA.

ALBANY—Cruger & Pace
Weston, J. D. & Son
AMERICUS—Hamil, A. J., 515 Cotton av
ATHENS—Athens Hardware Co.
Bailey Supply Co.
ATLANTA—Carolina Portland Cement Co.
Davis, W. P., 534 S Pryor
Dunning & Son
Kriegshaber, V. H.
Randall Bros., Peters bldg
Sciplo Sons, W. Fair & Cen. R. R.
AUGUSTA—Burum & Co.
Dunbar, B.S.
Merry Bros.
Rutherford & Co.
Tarver, J. E.
BRUNSWICK—Coney & Parker
CARTERSVILLE—Ladd Lime Co.
CEDARTOWN—Hall & Barr
COLUMBUS—Beach, Wm. Hardware Co., 1120 Broad
Dudley Sash & Door Co.
Elledge & Norman Marble Co.
Gruzard Supply Co.
Harvey, W. T. Lumber Co.
Shepherd Bros.
CORDELE—Cordele Sash, Door & Lumber Co.
Hutchinson Lumber & Supply Co.
DALTON—Cherokee Mfg. Co.
Farrar Lbr. Co.
MACON—Burke, T. C., 358 3d
Elder, W. F.
Massee & Felton Lbr. Co.
Wilder's, R. C. Sons Co., 614 3d
MARIETTA—Henderson, C. E.
MILLEDGEVILLE—Walker, W. A.
Walker, W. A.
ROME—O'Neill Mfg. Co.
SAVANNAH—Butler, J. G. Builders' Supply Co.
Gallagher-Louis Co.
General Building Supply Co.
Lovell's, Edw. Sons
Neal-Blun Co.
Savannah Building Supply Co.
THOMASVILLE—Dillon, J. W.
Evans & Son

HAWAII.

HONOLULU—Lewers & Cooke, Ltd.

IDAHO.

BOISE—Ridenbaugh, W. H., 9th & Front
Sanders, Francis Co.
Shaw Lumber Co.
IDAHO FALLS—Dill, J. W.
LEWISTON—Ferterling, J. A.

ILLINOIS.

ALTON—Alton Builders' Supply Co.
Alton Lime & Cement Co.
Miller, J. B.
AURORA—Aucutt's, Gus, Sons
Dalton, J. D., & Son
Hanna & Todd
Seamans, S. D.
White & Todd
BARRINGTON—Lageschulte, Henry J. & Co.
Lamey & Co.
BATAVIA—Barker, W. P. & Son
Eager, Jas.
Hunter-Griffith Co.
BEAVERVILLE—Lambert, H. Co.
BELLEVILLE—Daab, Fred Co.
Reeb Bros.
Schaefer, Wm. & Emil
BELVIDERE—Wright, O. H. & Co.
BEMENT—Wilkirson Co.
BLOOMINGTON—Darlington, E. R. Lumber Co.
Evans, John W. Sons Co.
Harwood, W. S. & Bro.
Parker Bros.
White, Sam'l R. Mfg. Co.
BUSHNELL—Simpson & Co.
CAIRO—Halliday, H. H. Sand & Gravel Co.
Halliday, W. P. (Est. of)
Lancaster & Rice Lumber & Mfg Co., Commercial av
Langan, P. T.
CARLINVILLE—Woodward, S. S. Hardware
CARROLLTON—Widdowson, J. M. Co.
CARTHAGE—Helfrich, N. J. & Co.
Lyon, W. E. & Co.
CATLIN—Jones, A. & Sons
CHANDLERVILLE—Goodell, J. H & Son
CHARLESTON—Fuller Bros.
CHATSWORTH—Walter, Geo. J.
CHENOA—Dexter & Schmitt.
CHICAGO—Alpha Portland Cement Co., Marquette bldg
Artesian Stone & Lime Works Co., 138 Washington
ATLAS PORTLAND CEMENT CO., First National Bank bldg
Bos, John N. (Sand), 473 Chrystal
Carpenter & Browning (Sewer Pipe, etc.), 40th av & Taylor
Chicago Building Material Co., 164 Dearborn
Chicago Clay Products Co., 48d av & Taylor
Chicago Lime Co., 138 Washington
Chicago Portland Cement Co. (Cement Mfrs.), 108 La Salle
Chicago Union Lime Works Co., 138 Wash'n
Dee, Wm. E. Co. (Sewer Pipe), 169 Jackson boul
Druecker, N. J. & Co., 1497 Artesian av
Frerk, Henry, 484 W Belmont av
Garden City Sand Co., 134 Washington
German American Portland Cement Works (Cement Mfrs.), 204 Dearborn
Jenkins & Reynolds Co., Chamber of Commerce bldg
Knickerbocker Ice Co., 171 La Salle
Lake Shore Sand Co., 138 Washington
Lill, James E. (Lime), 1225 Bryn Mawr av
Longwell Teaming & Storage Co., 2246 Lbr
Magiff, T. M., 164 Dearborn
Marquette Cement Mfg. Co. (Cement Mfrs.), 204 Dearborn
Meacham & Wright Co. (Cement), 206 La Salle
Michigan Plaster Co., The Rookery
Mississippi Valley Portland Cement Co., 1st Nat'l Bank bldg
Moulding, Thos. Co., 138 Washington
Raschke, O. F., 3600 Winchester av.
Richardson Sand Co., 138 Washington
Rockwell Lime Co., 604 S Talman av
Sandusky Portland Cement Co. (Cement Mfrs.), 138 Washington
Schultz, Fred. (Lime), 159 W 16th
Snyder, Wm. J., 960 N. 43d av.
Staley, M. A. Co. (Sewer Pipe), Cornelia av & C M & St P Ry
Stearns Lime & Stone Co., 165 E. Randolph
Templeton Lime Co., 510 N. Homan av.
Tobin, T. M. Bros. Co., 9326 S Chicago av
Tuthill Building Material Co., 229 W. 63d
Viall, O. A., 737 120th
Vulcanite Portland Cement Co. (Cement Mfrs.), 138 Washington
Waukesha Lime & Stone Co., 965 N. Central Park av
Williams, N. A. Co. (Sewer Pipe, etc.), Chamber of Commerce bldg
Wisconsin Lime & Cement Co., 138 Wash'n
Wolverine Portland Cement Co. (Cement Mfrs.), 138 Washington
CLINTON—Kent, E. & Co.
COLLINSVILLE—Steinmeyer, H. & Bro.
DALLAS CITY—Black & Loomis Co.
DANVILLE—Ganor, M. & Son.
Holden, N. E.
DECATUR—Parke, V. H. & Son Co.
EAST ST. LOUIS—Flannery, P. & Son, Terminal Belt
Hill, W. H. Lime & Cement Co., 6th and Walnut
EDWARDSVILLE—Hotz Lumber Co
EFFINGHAM—Wildi-Leddy Lumber Co.
ELGIN—Adams, Fred M.
Bosworth, F. S. & Son
Geister, C. H.
Knickerbocker Ice Co.
McBridge, T. & Son
Seymour, Wm. H.
Wells & Sherwood.
EL PASO—McKinney & Co.
EVANSTON—Connor, J. C. Co.
Wigginton, James
FAIRFIELD—Fairfield Lumber Co.
FLANAGAN—Litchfield Bros.
FORREST—Opie, W. H.
FREEPORT—Brubaker, B. F.
Grant, Thos.

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FULTON—Snyder, J. C.
GALESBURG—Hinchliff Lumber Co.
Simpson, J. C. & Co.
Terry, W. E., Lumber Co.
GALVA—Houghton, E. W. Lumber Co.
GENESEO—Goss, John W. & Co.
Turner Lumber Co.
GENOA—Merritt & Hadsall
GIBSON CITY—Smith, A. J.
GRANITE CITY—Granite City Lime & Cement Co.
GRAYSLAKE—Wilbur, F. C., Lumber Co.
GREENFIELD—Entrekin, J. H.
GREENVIEW—Tripp Bros.
HAMPSHIRE—Kirchoff Bros.
HARVARD—Hall, W. D.
Lake, Harris & Backus
HARVEY—Harvey Coal Co.
HIGHLAND PARK—Middleton, John
HINCKLEY—Pogue Bros. Lumber Co.
HOOPESTON—Illinois Lumber, Grain & Coal Co.
HUME—Lyons, Oliver.
HUTSONVILLE—Hutsonville Brick & Tile Co
JACKSONVILLE—Andrews, B. P. & Sons
JERSEYVILLE—Christy, John (Lime)
Cockrell, E. Lumber Co.
JOLIET—Buck, Werden
Hays, A. W.
Leach, Hy. & Son
Truby, M. & Son
KANKAKEE—Kankakee Tile & Brick Co.
Lafond, T. & Son
Ruehle, Christian
KEWANEE—Johnston Lumber Co.
Porter, Jas.
KEYESPORT—Langham, Wm.
LA GRANGE—Vial, Joseph
La SALLE—Hunter, Stevens & Co.
Hunter, Stevens & Co.
LEMONT—Derby, S. L. Lumber Co.
LINCOLN—Spellman & Spitley
LOAMI—Baker, George W.
McLEAN—Dodgson, L. P. & Son
MALTA—Haish & Veale
MATTOON—Andrews Bros.
MENDON—Nutt, W. T. & Son
METROPOLIS—Gibbons, A. J.
MILFORD—Jones Bros.
MINONK—Kipp, A. B.
MOLINE—Moline Sand Co.
Wood, Beder
MONMOUTH—McCullough Lumber & Coal Co.
MONTICELLO—Lodge, W. F.
Maier, John
MORGAN PARK—Derby, S. O.
MORRIS—Huff, D. S.
MORRISON—Potter, M. H.
MOUNT CARROLL—Rhodes Bros. & Co.
MOUNT MORRIS—Wingert & Clevidence
NASHVILLE—Welhe, W. O.
NEWMAN—Thomas, R.
OAK PARK—Bryant Bros.
PARIS—McCord & Risser
Propst Lumber Co.
PEKIN—Conklin, Reuling Co.
Lampit, Ed. F.
Zimmer, E. & Co.
PEORIA—Mackemer Lumber Co.
Miller, Jos. & Sons
Peoria Fuel Co.
Wason, T. J.
PERU—Zimmerman, Christian & Co.
PETERSBURG—Anderson, Chas.
PONTIAC—Smith, F. N.
PORT BYRON—Port Byron Lime Ass'n
PRINCETON—Davis & Son
Houghton Lumber Co.
QUINCY—Menke, F. W. Stone & Lime Co.
Meyer, W. D.
Middendorf Bros.
Miller & Vanden Boom Lumber Co.
Quincy Lumber Co.
Quincy White Lime & Cement Co.
Williamson, H. A.
ROCK FALLS—Smith & Grader
ROCKFORD—Hart & Page, 110 N Court
McDermaid, John
McFarland-Colton Co.
Safford, G. N. & Co.
Skandia Coal & Lumber Co., 706 7th
ROCK ISLAND—Empire Coal & Coke Co.
Frazer, Edwin G.
Mueller Lumber Co.
Port Byron Lime Ass'n
Rock Island Sand & Gravel Co.
Tropp-Darling Co.
SAVANNA—Rhodes, W. P.
SPRINGFIELD—Baker & Baker
Elelson, Aolag
Irwin, H. C.
Schuck, J. H. & Son
Vredenburgh, Peter Lumber Co.
STANFORD—Jones, C. S. Lumber Co.
STERLING—Dillon, Moses Co.
STREATOR—Ames, J. C. Lumber Co.
Schmid, George A.
Streator Lumber Co.
SYCAMORE—Holcomb Bros.
North Side Lumber Co.
URBANA—Huff, S. E. & Co.
UTICA—Utica Cement Mfg. Co.
Utica Hydraulic Cement Co.
WADY PETRA—Chase, Heber & Co.
WARREN—Taylor, C. F.
WATERMAN—Pogue Bros. Lumber Co.
WAUKEGAN—Bairstow, F.
WEST SALEM—Miller Bros.
WHEATON—Sutcliffe, John
Wheaton, F. E. & Son
WHITE HALL—White Hall Sewer Pipe & Stoneware Co.
WOODLAND—Anderson, J. W.

INDIANA.

ALEXANDRIA—Brannum Lumber Co.
ANDERSON—Bailey, J. W. & Co.
Vernon, E. G. & Son, N Main
ANGOLA—Gilbert T. R.
Shank, Daniel
ATTICA—Martin, H. C. & Co.
BLOOMINGTON—Hughes Bros.
BOONVILLE—White, C. P. Lumber Co.
White, C. P. Lumber Co.
BRAZIL—Halstead, J. N.
McCrea & Brown Co.
BREMEN—Steineck, J. H.
BROOKVILLE—Fries, A. & Sons
Masters, J. H.
CARLISLE—Risinger & Ellis
CICERO—Cicero Lumber Co.
CLAY CITY—Guirl, B. M.
COLUMBUS—Dunlap & Co.
Hege & Co.
CONNERSVILLE—Williams Bros.
CORYDON—Bulleit, J. J. Son
COVINGTON—Clark, M. H.
CRAWFORDSVILLE—Binford, J. & Sons
EAST CHICAGO—Flack Bros.
ELKHART—Consumers Coal Co.
Godfrey, B. C. & Sons
Martin & Amidon
Sanders, Jacob P.
ELWOOD—Winters Lumber Co.
EVANSVILLE—Baird, L. M., 220 U Water
Eichel Lime & Stone Co.
Eigenmann, Louis P., 200 L Water
Lensing, H. A., 420 Sycamore
Rechtin, Theo. E., 27 L 7th
Sonntag, G. W., 228 2d av
FAIRMOUNT—Mercer, Brannum & Bevington Co.
FORT WAYNE—Gilmartin, Edward
Moellerings, Wm. Sons, 55 Murray
GREENFIELD—Conklin, A. P.
GREENSBURG—Pulse & Porter
HAGERSTOWN—Knapp, C. T.
HAMMOND—Hammond Coal Co.
Hammond Lumber Co.
HUNTINGTON—Bash, C. E. & Co.
Keefer & Bailey
Ohio & Western Lime Co.
INDIANAPOLIS—Aldag & Coonse Co., E Wash'n & Belt
Builders' Supply Corporation, 342 E Washington av
Consolidated Coal & Lime Co., 13 Virginia av
Dalton Lumber Co., 30 S Noble
Dell, Frank M., 730 E Wash'n
Gill & Greenen, 2220 E Wash'n
Indianapolis Coal Co., 118 N Penn.
Indianapolis Mortar & Fuel Co., 13 Virginia
Keeport, A. B. & Co., 314 W North av
Keller, Julius Construction Co., 1100 E Md.
Malcott Coal & Lime Co., 985 N Davidson
Meyer, A. B. & Co., 17 N Penn
Pierson Building Material Co., 230 E. Ohio
Wales Coal & Lime Co., Martindale av., Big Four Ry.
KENDALLVILLE—Deibele, John
KNOX—Long, John W.
KOKOMO—Armstrong, Landon Co. (Cements)
LAFAYETTE—Lyman, Harry B.
LAPORTE—Moore & Richter
Wilson, W. Lumber Co.
LAWRENCEBURG—Wright, J. C., & Sons
LOGANSPORT—Dilley, C. L. & Co.
Lux, Harry
MADISON—Miller, W. H.
Ross & Kimmell
MARION—Overman & Baldwin
Southall, Geo. A., & Co.
MICHIGAN CITY—Michigan City Lumber & Coal Co.
MUNCIE—Hamilton, George B.
Muncie Builders' Supply Co.
NEW ALBANY—Slider, Edw. T.
NORTH VERNON—N. V. Lumber Co.
Tripp Bros.
PETERSBURG—Drof, Peter
PLYMOUTH—Linkenheit, Lawrence
RENESSLAER—Day, Hiram
RICHMOND—Farnham, Charles S.
Hackman, Klehforth & Co.
Mather Bros. Co.
ROCKPORT—Partridge, C. M. & W. A.
ROCKVILLE—Dooley & Dooley
Ott Hardware Co.
SEYMOUR—Mills, Mrs. A. W.
SHELBYVILLE—Parrish, J. O.
SHERIDAN—Palmer, G. H.
SOUTH BEND—Defrees, C. H.
Hoban & Roach
TERRE HAUTE—Austin Hardware Co.
Reiman & Steeg Co., 908 Wabash av
Terre Haute Coal & Lime Co.
UNION CITY—Fisher, S. J.
Knapp Supply Co.
Short, John
VINCENNES—Bosworth, M. A.
McIlvaine, H. R.
WABASH—Smith-Hubbard Lumber Co.

IOWA.

ACKLEY—Frudden Lumber Co.
BURLINGTON—Bernard Bros. & Mercer
Phillips Lime & Coal Co.
Rand Lumber Co.
CEDAR RAPIDS—Iowa Stone Co.
King's Crown Plaster Co.
CHARITON—Stewart, G. J. & Co.
CHELSEA—Hrabak, Joseph
CHEROKEE—Weart & Lysaght
CLARINDA—Richardson, G. W.
CLINTON—Shoecraft, S. & Son Co., 1st & 5th av
COLUMBUS JUNCTION—Reaney & Eliason
CORNING—Newcomb, W. & Co.
CORYDON—Niday, C. A. & Co.
COUNCIL BLUFFS—Besley Brick Co.
Bluffs City Lumber Co.
Hafer, C.
Hoagland, Geo. A.
Quinn, H. A. Lumber Co.
CRESTON—Green Bay Lumber Co.
Tramp Bros.
DAVENPORT—Abel Lime & Cement Co., 1801 Rockingham road
Builders' Lime & Cement Co.
McCosh & Co., 1010 Harrison
DEEP RIVER—Phelps, Axtell & Co.
DES MOINES—Des Moines Fuel & Lime Co., 511 Mulberry
Des Moines Hard Mortar Co., 406 E Walnut
Dietz & Leveke
Gilchrist, J. K. & W. H., 801 E Locust
Maine, Jas. & Sons Co.
DUBUQUE—Linehan & Molo
Mettel Bros.
FAIRFIELD—Cable, G. W., Jr.
FORT DODGE—Fort Dodge Brick & Tile Works
FORT MADISON—Atlee, S. & J. C.
GLENWOOD—Ridgeway, F., & Son
HAMPTON—Moore Bros.
IOWA CITY—Leinbaugh, W. F.
IOWA FALLS—Miller & Foote
KEOKUK—Cameron, Jas. & Sons
Carter, S. C. & S. Co.
McNamara's, J. Sons
Mississippi Coal & Ice Co.
KEOTA—Wright, S. S.
LE MARS—Knorr & Schafer
Moore, M. A. & Co.
Perry, W. H.
LYONS—Foley, T. J.
Joyce Lumber Co.
MAQUOKETA—Hurst, A. & Co.
MASON CITY—Mason City Brick & Tile Co.
Mason City Clay Works
Mason City Lime & Cement Co.
MONTEZUMA—Moler, Clark & Co.
MUSCATINE—Wallace, R. T. & Son
Wallace, R. T. & Son
NEW HAMPTON—Bigelow & Donivan
NEWTON—Jasper Lumber Co.
OSKALOOSA—Gilchrist, M. D. & Co.
Porter, C. M. Lumber Co.
OTTUMWA—Ostdiek, H. B.
Tisdale, F. A. & Co.
SERGEANT BLUFFS—Holman, C. J. & Bro.
SIGOURNAY—Neas, A. M.
SIOUX CITY—Corn Palace Electric Construction Co., 508 Water
Houx, Frank T. Co.
McNeil, H. C. & Son
Queal, J. H. & Co., Steuben c 2d
Webb Bros. Co., Pierson c 3d
SPENCER—Floete Lumber Co.
Perine, A. C.
STEAMBOAT ROCK—Greef Lbr. Co.
TAMA—Hill, B. F.
TRAER—Baker-Warfield Lumber Co.
WALL LAKE—Peck, W. H. & Co.

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WATERLOO—Bryant, W. A. & Sons Co.
Chapman, C. W. Lbr. Co.
Fuoss, J. H.
Waterloo Lbr. Co.
WEBSTER CITY—Young & Clifton
WEST UNION—Graham & Schenck
Hoyt Hardware Co.

KANSAS.

ATCHISON—Blish-Mize & Silliman Hdw. Co.
Carlisle-Pennel Lumber Co.
Lewis, W. H.
BLUE RAPIDS—Electric Plaster Co.
CHETOPA—Shields, J. F.
ELLINWOOD—Chatten, S. H.
ELLSWORTH—Lake Superior Lumber Co.
EMPORIA—Emporia Lumber & Coal Co.
Evans, J. E.
Kirkwood, J. G.
Watson-Ballweg Lbr. Co.
FORT SCOTT—Brown Lumber Co.
Fort Scott Hydraulic Cement Co.
Kansas City & Fort Scott Cement Co.
FULTON—Fulton Lumber Co.
GALVA—Galva Lumber Co.
GARFIELD—Waymire, N. O.
GODDARD—Pond, W. M. & Co.
HANOVER—Thiele, E. W. & Bro.
HAYS—Schwaller, C. & Son
HOLTON—Brown & Hedge
HUMBOLDT—Osborn, J. H. & Son
HUTCHINSON—Hutchinson Lbr. & Planing Mill Co.
Kansas Lumber Co.
White, L. J. Lbr. Co.
IOLA—Klein, Paul
Northrup Lbr. Co.
JUNCTION CITY—Brown, Geo. T.
Geary County Lumber Co.
Moses, Geo. C.
KANSAS CITY—Armourdale Lumber Co.
Frankenfield Sand & Fuel Co., Central av
James, A. R. & Son, 1017 N. 4th
Wyandotte Coal & Lime Co., 553 Minn. av
LAWRENCE—Achning, Chas.
American Cement Plaster Co.
Lawrence Vitrified Brick & Tile Co.
LEAVENWORTH—Crancer, J. W. & Co.
Geiger, A. M.
McDonald, P. J.
LYONS—Taylor & Sons
McPHERSON—Lake Superior Lumber Co.
Sudendorf, H. H.
MANHATTAN—Higinbotham, Scott N.
MARION—Newton Lumber Co.
NESS CITY—Daniel, F. W.
NEWTON—Newton Lumber Co.
Swarts, S. M. Lumber Co.
OBERLIN—Foster Lumber Co.
OLATHE—Rheem Lumber Co.
OTTAWA—Halloren, J., 402 S Main
Harris, M. R., 114 W 4th
Rohrbaugh & Co.
PARSONS—Clark & Bates Lumber Co.
PEABODY—Davison & Co.
PHILLIPSBURG—Smith, Theo. & Son
PITTSBURG—Pittsburg Lumber Co.
SALINA—Eberhardt Lumber Co.
Leidigh & Havens Lumber Co.
Sudendorf, H. H.
STAFFORD—Stafford Lumber Co.
STERLING—Fair, D. J.
TOPEKA—Thomas, J. Lumber Co.
Thomas, J. Lumber Co.
Thomas, Jonathan & Son
VALLEY FALLS—Legler, Mell & Son
WALTON—Moorhead, A. R.
WAVERLY—Star Grain & Lumber Co.
WICHITA—Jackson-Walker Coal & Material Co.
Stocker, O. B., 143 N Water
Turner, J. H.

KENTUCKY.

ASHLAND—Beckette, O. F. L. & Co.
Gates Brick Co.
Strack, E. W.
Van Sant, Kitchen & Co.
BOWLING GREEN—Phillips, Aaron
COVINGTON—Covington Coal & Sand Co.
Kenton Supply Co.
Spinks, T. W.
DAYTON—Hunter, M. R., Sr.
Walter Bros.
FIREBRICK—Portsmouth Granite Brick Co.
FRANKFORT—Congleton, T. J. & Bro.
FULTON—Bransford, G. H. & Son
GLASGOW—Dickinson Bros.
HENDERSON—Blackwell, P. A. & Co.
HODGENSVILLE—Read Mercantile Co.
HOPKINSVILLE—Dalton Bros.
Dalton, H. M. Stone Co.
LEBANON—Johnston & Casky
LEXINGTON—Des Cognets, Louis & Co.
Justice, F. T. & Co.
LONDON—London Mfg. Co.
LOUISVILLE—Bannon, P. Sewer Pipe Co., 508 W Jefferson
Kentucky Wall Plaster Co., Fulton, nr 1st
Louisville Cement Co. (Cement Mfrs), 331 W
Speed, J. B. & Co., 331 W Main Main
Union Cement & Lime Co. (Cement Mfrs), Utica Lime Co., 421 W Main 421 W Main
MADISONVILLE—Hall, W. L.
Ruby Lumber Co.
MAYSVILLE—Matthews, W. B. & Co.
NEWPORT—Allen, M. M., 634 Monmouth
Dauzenberg, Joseph
Spinks, Charles
PADUCAH—Katterjohn, F. W. Cons. Co.
Langstaff-Orm Mfg. Co.
SHELBYVILLE—Gruber, L. H. & Sons
Hall & Chowning
VERSAILLES—Berryman, C. M.
Woolridge Bros.
WARSAW—McDanells, J. H. Sons Co.

LOUISIANA.

BUNKIE—Haas, W. D. & Co.
DONALDSONVILLE—Lemann, B. & Bro.
LAFAYETTE—Mouton, A. E.
Vordenbauman Lumber Co.
MONROE—Monroe Grocer Co.
Monroe Hardware Co.
Southern Grocer Co.
MORGAN CITY—Dalton, Jno.
Loeb, Leopold & Sons Co.
NEW IBERIA—Dreyfus, Jules
NEW ORLEANS—Builders' Supply Co., 2021 Magazine
Carolina Portland Cement Co., 2029 Calliope
Clarke, J. J. Co., 1111 Julia
Cleary, T. B., 800 S Carrolton av
Demoruelle, Jas. & Sons, 602 N Basin
Ford, F. Codman, 304 Baronne
Garnier, Emile, 1601 N Robertson
Hiller, Alfred Co., 534 Magazine
Jahncke, Fritz, 814 Howard av
Judlin, Peter, 2311 N Rampart
Kearny, J. Watts & Sons, 423 Gravier
Kracke & Flanders, 630 Gravier
Louisiana Lime Co., Hennen bldg
Prados, Henry J.
River Sand & Gravel Co., 816 Howard
Roca, Joseph V., 604 N Robertson
Thompson, Edward Co., 530 Natches
Tupper, Allen, 718 Union
Woodward, Wight & Co. (Ltd.), 406 Canal
Zimmerman's Building Specialties Co. (Ltd.), 2131 Magazine
SHREVEPORT—Allen Mfg. Co.
Ardis & Co.
Crawford, Jenkins & Booth
Henderson, W. K. Iron Works Supply Co.
Hicks Co. (Ltd.), 117 Texas
Lee Hardware Co.
Taylor, W. F. Co.
Vordenbauman-Eastham Co.
THIBODAUX—Southern Investment Co.

MAINE.

AUBURN—Bearce, Geo. B. & Son
AUGUSTA—Purinton Bros. Co.
BANGOR—Cassidy, Jno. & Son
Dunning, R. B. & Co.
Hopkins, A. B. Co.
Lowell & Engel
Rice & Miller
BATH—Nichols-Read Co.
BELFAST—Cooper & Co.
BIDDEFORD—Andrews & Horrigan Co.
Banks, C. K.
BRUNSWICK—Hacker, C. E.
CALAIS—Eaton, H. B. & Co.
CAMDEN—Camden Lumber Co.
CUMBERLAND MILLS—Goff, E. W.
FAIRFIELD—Totman, Arthur H.
FOXCROFT—Gilman, A. W. & Co.
GARDINER—Decker & Day Hdw. & Coal Co.
Harrington, G. H.
HALLOWELL—Wingate, Frank S.
HARRISON—Caswell, H. H.
Jordan Bros.
HOULTON—Madigan & Madigan
Merritt, E. & Sons
KENNEBUNK—Gilpatrick, Thomas L.
LEWISTON—Hall & Knight Hardware Co.
Hayes, J. L. & Co., 282 Main
MECHANIC FALLS—Penney, J. W. & Sons Co.
PORTLAND—Chase, Charles S. Co., 5 Com'l
Cox & Ward Co., 169 Forest av Wharf
Libby, E. & Sons Co., 76 Pearl
Lord Bros. Co., 1 Central Wharf
Portland Pipe Co.
Portland Sand & Gravel Co.
Redlon, N. E. Co., 226 Federal
ROCKLAND—Farrand, Spear & Co.
Glover, W. H. Co.
Spear, F. R.
SANFORD—Moulton Bros.
WATERVILLE—Flood, Geo. S. & Co.
Purinton, H. Co.

MARYLAND.

ANNAPOLIS—Martin, C. W. & Co.
Parlett & Parlett
BALTIMORE—Brady, Edwd. & Son, 915 Park av.
Bullock, Jno. S. & Son, 213 McElderry's
Carson, Wm. T., Law Bldg Wharf
Clark, Henry, 1112 Winchester
Clarke, Wm. Wirt & Son, Monument &
Clark, Henry, 1112 Winchester Forest
Cook, Henry E., 1052 N. Front
Elenbrok, Fredk, 2104 Fkd av
Filbert Paving & Construction Co., 1210 Block
Gault, Wm. A. & Son, 9 E Lexington
Gegner, Geo. A., 43 Eastern av ext
Gore, M. F., 202 E 22d, N
Green, Robt. S., 853 Fkd. av ext
Hay, Geo. M., 14 N Greene
Hudson Cement & Supply Co., 4 E Lex.
Johnson, L. F., 406 N Howard
Lewis, Frank I., 910 W Pratt
Maryland Lime & Cement Co. (All Kinds), Carroll bldg
National Building Supply Co., 418 E Pratt
Sack, Geo. & Son, Lauraville
South Baltimore Building Supply Co., 1520 Light
Spengemann & Bro., 304 N Central av
Staudard Lime & Stone Co., Equitable bldg
Sunner & Gerlach, 1401 N Register
Thomas, Jos. & Son, 820 Leadenhall
Walbrook Coal & Supply Co., 2634 W North av
Warren, Lawrence J., 213 E Falls av
Washington Building Lime Co., Equitable bldg.
BEL AIR—McComas Bros.
BROOKLYN—Geis, Jno. H. & Co.
CHESAPEAKE CITY—Woolley & Bennett
CHESTERTOWN—Bacchus, J. D.
CUMBERLAND — Cumberland Hydraulic Cement & Mfg. Co.
Cumberland & Potomac Cement Co.
EASTON—Dixon, Robert B. & Co.
ELLICOTT CITY—Talbott, E. A.
FREDERICK—Bowers, W. D. Lumber Co.
Markell & Ford
HAGERSTOWN—Cushwa, Victor & Sons
HANCOCK—Bridges, J. T. & Co.
HYATTSVILLE—Carr, C. F. & Bro.
Magruder, W. P.
LAPIDUM—McGonigall, M. F.
LAUREL—Shaffer, C. F.
Waters, Geo. W.
ST. MICHAELS—Dodson, E. N.
WILLIAMSPORT—Cushwa, Victor & Sons

MASSACHUSETTS.

ADAMS—N. E. Lime Co.
ANDOVER—Hardy & Cole
ARLINGTON—Pierce & Winn Co.
ATHOL—Fay, Henrie C.
Paige, C. F. & Co.
ATTLEBORO—Carpenter Coal & Lumber Co.
BEVERLY—Pickett Coal Co.
BOSTON—Berry & Ferguson, 159 Devonshire
Bryant, Edw., 30 Kilby
Carter, Thomas, 30 Kilby
Coombs, Frank E., Old South bldg
Curtis & Pope Lumber Co., 774 Albany
Davis, Jas. A. & Co., 92 State
Eastern Clay Goods Co., 79 Milk
FISKE & COMPANY (Inc.), 25 Arch. (See adv. Index, end of book)
Ham & Carter Co., 560 Albany
Hannon, F. J., 168 Devonshire
Lash, A. F., Co., 25 D
Lewis, D. W. Co., 24 Milk
Mitchell, W. S., 10 Willow, W. R.
Mullen, W. B., 95 Milk
Nash, Willard G., 206 State
New England Adamant Co., 325 Medford
Norcross, W. C. Co., 95 Milk
Nute, A. T. & Co., 380 W 1st, S. B.
O'Connell, J. P. & Co., 95 Milk
Portland Stone Ware Co., 49 Federal
Rockland-Rockport Lime Co., 24 Milk
Spiers-Fish Brick Co., 79 Milk
Stetson, Cutler & Co. (Lime), 70 Kilby
United Building Material Co., 11 Milk
Waldo Bros., 102 Milk
Weston, W. M. Co., 120 Milk
Windsor Cement Co., 166 Devonshire

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BRADFORD—Taylor, Goodwin Co.
BRIDGEWATER—Keith, Sumner
BROCKTON—Mitchell, Isam & Co.
CAMBRIDGE—Clark Bros., 2464 Mass. av.
CAMBRIDGEPORT—(See Cambridge)
CHELSEA—Phillips & Hodgdon
Tukey, S. S. & Co.
CHICOPEE—Rourke, Patrick
CLINTON—Frazer, C. & Sons
Fuller, Wm. A.
DEDHAM—Fisher-Churchill Co.
EAST BRIDGEWATER—Dean, Joshua (Est. of)
EAST LONG MEADOW—Whitaker, F. H.
EAST WHITMAN—Cook, R. W.
EVERETT—Green & Harrington
Murphy, D. P.
FALL RIVER—Borden, Guiney & Kendall
Borden & Remington
Prosser, Wm. & Son, 943 Pleasant
Staples Coal Co., 404 Davol
Wilson, Jas. H., 2000 N. Main
FITCHBURG—Dillon, D. M.
Fitchburg Hardware Co.
FRANKLIN—Metcalf, O. F. & Sons
Ray, Jas. F.
GARDNER—Curtis, H. O.
Davis, J. Walter
Favor, M. M.
GLOUCESTER—Griffin & Co.
Nauss, L. B. & Sons
GREENFIELD—Lamb Bros.
HARWICH—Moody, J. M.
HAVERHILL—Chase, D. D. Lumber Co.
Taylor-Goodwin Co.
HINGHAM—Kimball, Geo. E.
Whitney, Everett E.
HOLYOKE—Burnham, C. G., 127 Main
Landers, D. J.
Lynch Bros. Brick Co.
O'Connell's, Daniel Sons
Prentiss, Brooks & Co., 56 Main
HUDSON—Jones, E. A.
Robertson & Larkin
HYANNIS—Crocker, T. & Sons
Sears, J. K. & B. & Co.
HYDE PARK—Darling, F. W. Co.
IPSWICH—Glover, John S.
LAWRENCE—Gage, G. L., 594 Essex
Lawrence Lumber Co.
O'Mahoney, M., 8 West
Runnells, O. E., 8 Jackson
Theberge, Bros., 170 Valley
Treat Hdw. & Supply Co., 584 Essex
LEE—Heaphy, Wm. A.
LOWELL—Barton, Cyrus
Bennett, Jno. C., 269 Dutton
Cawley, Edward, 131 Central
Cogger, P.
Connors Bros. Co.
Livingstone Grain Co., 15 Thorndike
Mullin, Jos., 953 Gorham
Sherman, Moore & Co.
Staples Bros. Co. (Sewer Pipe), School n
Sullivan, D. T., 45 Perry Gas Works
Wilson, E. A. & Co.
LUDLOW—Burr Co.
LYNN—Lamper, J. B. & W. A., ft of Pleasant
Whittredge & Co., 2 sea av
MARBLEHEAD—Martin, J. S. & Co.
MALDEN—Kaulback, W. S.
Locke Coal Co.
Neville, Thos. J.
Robinson, J. H. Co.
MANSFIELD—King, A. D.
MEDFORD—Cowin, J. N. & Co.
Highland Coal Co.
MELROSE—Benson Coal Co.
Goss, C. R. & F. H.
MELROSE HIGHLANDS—Hellen, S. H.
MIDDLEBORO—Cushing, M. H. Co.
MILFORD—Field, Z. C.
NANTUCKET—Killeen, John
Swain, William T. (Est. of)
NATICK—Robinson & Jones Co.
Whitney, E. & Co.
NEPONSET—(See Boston)
NEW BEDFORD—Borden, H. T. & Co.
Greene & Wood
Paine, S. S. & Bro.
Paisler, Chas. S.
NEWTONVILLE—Nonantum Coal Co.
NORTH ABINGTON—Reed, A. R.
NORTH ADAMS—Burlingame & Darbys Co.
Sykes Coal & Grain Co.
NORTHAMPTON—Bailey, W. A.
Matthews, A. C.
Sullivan, J. A.
ORANGE—Orange Hdw. Co.
Potter, A. D.
PALMER—Flynt Bldg. & Construction Co.
PEABODY—Trask, J. Arthur
PITTSFIELD—Gamwell, C. C., 65 Columbus av
Howard & Morrow, 59 North
PLYMOUTH—Atwood, Anthony
Sampson, Ernest L.
PROVINCETOWN—Dyer, B. H. & Co.
Lewis & Brown
QUINCY—Crane, F. H. & Son
Richards, A. J. & Son
READING—Bancroft, Wendell & Co.
ROCKLAND—Culver, A. Co.
SALEM—Langmaid, J. P. & Sons
Pickering, G. W.
SHELBURNE FALLS—Newell, H. & Co.
SOMERVILLE—Highland Coal Co., 367 High-
Sparrow, E. S. & Co. land av
SOUTH FRAMINGHAM—Fales, A. Sons Co.,
SPRINGFIELD—City Lumber Co. 2 Beach
Harder, Franklin
McKenzie, Wm. D., 23 Yale
New York & New England Pulp Plaster Corporation
Noble, Burton E., 38 Sanford
Puffer, H. C. Co., 194 Lyman
Shea, T., 19 Hampden
Viets, S. D. Co., 55 Cypress
Wilder, John W., 129 State
TAUNTON—Sanders, C. V. & Co.
Staples Coal Co., 50 City sq
TURNERS FALLS—Webster, F. I.
UXBRIDGE—Harris, William M.
WALTHAM—Buttrick Lumber Co.
Carney, J. Coal Co., 70 Calvary
Waltham Coal Co., 668 Main
WAREHAM—Gurney, Ansel S. & Co.
WATERTOWN—Pevear, W. H. & Co., 5 Spring
WESTFIELD—Gladwin, L. Jr., 224 Elm
Mahoney, P. J., 46 Orange
WEST NEWTON—Eddy, C. F. Co.
WEST STOCKBRIDGE—New England Lime
Tobey Bros. Co.
WEYMOUTH—Rhines, J. B. & Co.
Sanborn, W. F. & Co.
WINCHESTER—Blanchard, George W., &
WOBURN—Barker Lumber Co. Co.
Wyman, R. B.
WORCESTER—Gough, H. D. & Co.
Marsh, B. F., 24 Maywood
Powers, Frank E., 20 Southgate
Smith-Green Co.
Streeter, E. S. & Sons
Wilson & Holden, 154 Main

MICHIGAN.

ADRIAN—Gimbert, Thomas
Matthes Bros.
Stevenson, F. A. & Son
ALLEGAN—Croker & Knapp
Green, F. H.
ALMONT—Hart & Sullivan
ALPENA—Collins, Richard
Fox, Owen
ANN ARBOR—Sweet, G. W.
Wood, Frank
AUGUSTA—Marvin, H. M.
BAD AXE—Carey, W. H. & Co.
BANGOR—Broadwell, William M.
BATTLE CREEK—Dibble & Latta
Kirkpatrick, W. J.
Rupert & Morgan
Stiles, I. H.
BAY CITY—Boutell Bros. & Co.
Young, F. P.
BAY SHORE—Elk Cement & Lime Co.
BELLEVILLE—Miller, Frank
Wallace, W. A.
BENTON HARBOR—Robbins, W. P.
BESSEMER—Hanson, Cornelius
BIG RAPIDS—Sloss, William J.
BRIGHTON—Hyne, F. T. & Co.
CADILLAC—Cobbs & Mitchell
Mankelow, C. J.
Wilcox Bros.
CALUMET—Armstrong & Thielman Lumber
CARO—Van Tine, G. N. Co.
CARSON CITY—Rockafellow Grain Co.
CASSOPOLIS—Hayden, W. B. & Son
COLDWATER—Pollock, S. & Son
COLEMAN—Simons, T. B. Mercantile Co.
CROSWELL—Helm, Paul
Quail, D. & Son
DEARBORN—Wallace, James D. (Est. of) (Also Lumber)
DETROIT—Boomer, I. E., Forest av, E. & D. G. H. & M. R'y
Brady & Co., Butler bldg.
Brown & Brown Coal Co
Calvert's, J., Sons
Cooper, A. & W.
Dickinson, H. H., 422 Grand River av.
Heal, George
Hoames, W. E. & Co., 75 Woodbridge, W
Holmes, F. B. & Co., Hammond bldg
Houghten, Hy., Hammond bldg
Little, Charles H. Co., Peninsula Bank bldg
McKerchey, John M.
Meyer, R. M.
Michigan Builders' Supply Co., e Forest av E. & D. G. H. & M Ry.
National Sand & Cement Block Co.
Standard Portland Cement Co., Majestic
Steffes, M. & Co. bldg.
Steinheiser, Christian P.
Stevens, F. B., 3d & Larned
Thomas Bros. & Co., Hammond bldg
U. S. Gypsum Co., Peninsular Bank bldg
Wabash Portland Cement Co., Ford bldg.
DOWAGIAC—Bishop Hardware Co.
Judd, M. & Son
Lindsly, J. A. & Co.
Schmitt Bros.
DRYDEN—Booth, Robert
EATON RAPIDS—Webster, H. P. & Son
ELK RAPIDS—Elk Cement & Lime Co.
ESCANABA—Nee, Coleman
FAIR GROVE—Richardson, F. H. & Co.
FENNVILLE—Dickinson & Raymond
FENTON—Potter, Burdick & Son
FLINT—Doyle, Thos.
Matthewson, Fred G.
Randall Lumber & Coal Co.
Switzer Bros.
FOWLERVILLE—Rounsville, F. G.
FREEPORT—Fox, W. & Co.
GRAND LEDGE—Astley, T. W.
Doty & Doty
GRAND RAPIDS—Battjes Fuel & Building
Boer, James Material Co.
Himes, Albert Coal Co.
Home Fuel Co.
Hulst & Van Heulen Fuel Co.
Hyde, Albert, 860 Madison
Knowlson, A. B., under National City
Mol, James, 101 W Leonard Bank
Morman, S. A. & Co.
Superior Lime Co.
Wykes-Schroeder Co.
HANCOCK—Stringer, J. S.
HILLSDALE—Aldrich, G. A. & Son
HOLLY—Hudson, M. M.
HOUGHTON—Van Orden, Matthew Co.
HUDSONVILLE—Hughes, B. & T. (Also Saw
IMLAY CITY—Walker, Walter & Co. Mill)
IONIA—Page, W. C. & Co.
IRON MOUNTAIN—Holfelts, J. R. Co.
ISHPEMING—Consolidated Fuel & Lbr. Co.
Losselyong Bros.
JACKSON—Bartlett, J. E. Co.
Howind, C. A.
Lake, Ulricksen Co.
KALAMAZOO—Darling, Wm. P.
Dewing & Sons
Molboek, Peter
North & Coon Lumber Co.
Sales, James A.
LAINGSBURG—Sharpe, C. D.
LAKEVIEW—Macomber & Bale
LANSING—Lacy, P. R. & Co.
Lansing Artificial Stone Co.
LAPEER—Cutting, Frank R.
King, Robert Lumber Co.
LUDINGTON—Kieswalter, John
MANCELONA—Mancelona Mfg. Co.
MANCHESTER—Kelly, James
MANISTEE—Buckley & Douglass Lumber Co.
Duncan, J. W.
Sands, Louis
MANISTIQUE—White Marble Lime Co.
MANTON—Meyer Hdw. Co.
MARLETTE—Wilson, H. W.
MARQUETTE—French, George E.
MARSHALL—Blanchard & Bull
MASON—Michelson, Carl P.
MEMPHIS—Memphis Roller Flouring Mills
MENOMONEE—Lyon Bros. & Co.
Nowack, F. C.
MILFORD—Cate & Son
MONROE—Raditke August
MOUNT CLEMENS—Paganetti, John S.
Ullrich, R. C. Hardware Co.
MUIR—Hawley, West & Co.
MUSKEGON—Holton Brick Co.
Kanits, L. H.
NEW BALTIMORE—Baker, William
NILES—Earl, B. F.
Smith, C. R.
Smith, W. Hillis
OTSEGO—Siple, George H. & Co.
OWOSSO—Todd, Albert & Co.
PAW PAW—Waters, H. C. & Co.
PLAINWELL—Bush & Granger
Wilson & Man
PONTIAC—Osmun, W. H.
PORT HURON—Cruickshank, A. G.
Jarvis Bros.
Jenks, Taylor, Howard & Co.
PORTLAND—Estep, Chas. A.
QUINCY—Kinyon, E. H. & Son
READING—Hartwell & Doig

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REED CITY—Stoddard, W. A.
Welsh Mfg. Co.
SAGINAW—Morley, Ewen & Co., E Side
Remer Bros., 300 Madison, W. S.
ST. CLAIR—Belknap & Phillips
ST. JOHNS—Hicks, John C.
ST. JOSEPH—Wallace, John & Sons
SALINE—Ford, E. W. & Son
SOUTH ROCKWOOD—Strong, John
SPRINGPORT—Hesg, R. B. & Son
STANTON—Pierson, John W. S. & Co.
TECUMSEH—Slayton & Son
THREE RIVERS—Case, F. M. & Co.
Griffith, John
TRAVERSE CITY—Hannah & Lay Mercantile
VASSAR—Miller, Frank
WALDRON—Abbaduska & Son
WAYNE—Wallace, John B.
WEST BAY CITY—Emery, John H. & Co.
WHITE PIGEON—Driesbach, F. C.
WILLIAMSTON—Dennis, M. A.
WYANDOTTE—Wayman Coal & Ice Co.
YALE—Wharton & Co.
YPSILANTI—Thompson, O. E. & Sons
Webster Bros. & Sons
ZEELAND—Zeeland Brick Co.

MINNESOTA.

ADRIAN—Becker, J. C.
Shull, J. & W. C.
ALEXANDER—Page, L. A. Lumber Co.
ANOKA—Chesley, Frank A.
McCauley, George A.
BIWABIK—Colvin-Robb Lumber Co.
BLOOMING PRAIRIE—Solberg, A. Lumber Co.
CLOQUET—Fish, L. A. & Co.
DULUTH—Cutler, D. G. & Co., Providence bldg.
Dixon & Loury
Kelly Island Lime & Transport Co.
Paine & Nixon Co., 106 W Mich.
Standard Salt & Cement Co.
FERGUS FALLS—Barbeau, Dave
Gray, F. H.
LITCHFIELD—Esbjornson, John
MADELIA—Gove, E. L.
MANKATO—Coughlan, T. R.
Fowler & Pay
Mankato Lime & Stone Co.
MILAN—Anderson, T.
Christensen Bros.
MINNEAPOLIS—Cutler, D. G. Co., Lumber Ex.
Fosseen Hardware Co.
Fowler & Pay, Security Bank bldg.
Guarantee Cement & Stone Co., 221 5th st, S
Johnson, Henry O.
Landers-Morrison-Christenson Co., Lumber Exchange
Menomonie Hydraulic Press Brick Co., 10
Minneapolis Cedar & Lumber Co. N 3d
Minneapolis Lime & Cement Co., 210 2d
Miracle Pressed Stone Co. st, S
Northwestern Lime Co., Lumber Ex.
Paine, Asa
Superior Mfg. Co., Lumber Exchange
Union Railway Storage Co., Security Bank
United States Gypsum Co. bldg
MOORHEAD—Moorhead Brick Co.
MORA—McIrhargey, S. D.
NEW ULM—Bingham Bros.
OWATONNA—Laird, Norton Yards
Thompson, J. M. & Son, Hardware Co.
PELICAN RAPIDS—Stenerson Bros.
RED WING—Lillyblad, Gustave
ROCHESTER—Dodge Lumber & Fuel Co.
ROLLING STONE—Schuh Bros.
ST. CLOUD—Gruber & Co.
ST. PAUL—Alpena Portland Cement Co.
Bell, D. L., 270 Jackson
Dana Warehouse Co.
Eureka Stone Co., McClure bldg.
Grant, I. A. (S. St. P.)
Lott, K. F., Ryan bldg.
Northwestern Lime Co., 68 Lower Levee
St. Paul Lime & Cement Co., 2d & Jackson
Shakopee Cement & Lime Mfg. Co., 220
Spates, S. P. & Co., 164 E 3d Chestnut
Wilson, O. G. & Co.
SAUK CENTER—Ingram Lumber Co.
SHAKOPEE—Schroeder Brick & Lime Mfg.
STILLWATER—Consolidated Lumber Co. Co.
Kilty, Jno. J.
WARREN—Lundgren, August
Robertson Lumber Co.
St. Hilaire Retail Lumber Co.
WINDOM—Strunk, Sherwin Co.
WINONA—Hodges, A. W.
O'Dea, John
Standard Lumber Co.
Stevenson Coal Co.
Willis, H. J.

MISSISSIPPI.

BILOXI—Rosell, T. J. Mfg. Co.
GREENVILLE—Neal-Dolph Lumber Co.
GREENWOOD—Barrett, A. H. & Son
JACKSON—Jackson Lumber Co.
Morrison Bros.
MERIDIAN—Hester Coal Co.
VICKSBURG—Beck, Jno. W.
Crook, R. L. & Co.
Williams, P. P. Co.
Worrell, W. O. & Co., N Wash'n
Wright Bros.
YAZOO CITY—Powell, J. F.
Quekemeyer, Geo. H.

MISSOURI.

BETHANY—Cadle Lumber Co.
Miner & Frees
BEVIER—Rowland Bros.
BOONVILLE—Burger, Wm. & Son
Meierhoffer, Chas.
Roberts, E. H., Jr.
BROOKFIELD—Bettleheim, A. E. Co.
BUTLER—Logan-Moore Lumber Co.
Wyatt, H. C. & Son
CALIFORNIA—Mengel, W. H.
CARTHAGE—Harrison, J. F.
Home Lumber Co.
Thomas, B. F.
DE SOTO—Herman, Otto
ELDORADO SPRINGS—Logan-Moore Lumber
FARMINGTON—Lang & Bro. Co.
Tetley-Klein Lumber Co.
FAYETTE—Lacrosse Lumber Co.
FREDERICKTOWN—Fredericktown Brick Co.
Fredericktown Lumber Co.
FULTON—Callaway Hardware Co.
GALLATIN—Ballew, T. W.
HANNIBAL—Hannibal Lime Co.
HOLDEN—Starkey, I. (Est. of)
JEFFERSON CITY—Hogg, Edw. R., Lumber
JOPLIN—Chickering, H. L. & C. L. Co.
KANSAS CITY—Brockett, C. A. Cement Co.
Bryant Supply Co., Bryant bldg.
Builders' Material Supply Co., Scarritt bldg.
Builders' Sand Co.
Creel, T. C. Lumber Co., 5th c Central
Deatherage Lumber Co., 1600 Indiana av.
Dickey, W. S. Clay Mfg. Co., N. Y. Life
Eadie Building Supply Co. bldg.
Fellows Supply Co., Dwight bldg.
Fort Scott Cement Association
Halliwell Cement Co. (Cement Mfrs.), 312 E 9th
International Trading Co., New England
Iola Portland Cement Co. Life bldg.
Kansas City & Fort Scott Cement Co. (Cement Mfrs.), 121 W 8th
Kansas City Portland Cement Co.
Lynch-Watkins Lime & Cement Co., 1900 McKinney, Howard C. Walnut
Merrill, J. W.
Missouri Lime & Cement Co., 203 Commerce bldg.
Portland Cement Co.
Roll Coal & Lime Co., 1929 Main
Westport Lime & Cement Co.
LEBANON—Lingsweller, J. G.
LEXINGTON—Moorhead, J. R.
LUTESVILLE—Clark, H. A.
MARSHALL—Page, E. R.
Rose Bros.
NEOSHO—Briggs Hardware Co.
POPLAR BLUFF—Reynolds, Jesse
ST. JOSEPH—Badger Lumber Co., 6th & Penn
Biles, N. D. L. & Co., 1422 S 6th
Burgess-Frazer Iron & Hardware Co.
Dougherty & Moss Lumber Co., 10th & Mitchell av
Nold, C. H. Lumber Co., 1212 N 4th
Nowland, F.
Preston & Newcomb, 5th & Patee
Ray, E. W. & Son, 802 S 7th
ST. LOUIS—Acme Cement Plaster Co., 904 Olive
Banner Lime & Cement Co., 2436 Kosciusko
Carthage Marble & White Lime Co., Wainwright bldg.
Glencoe Lime & Cement Co., 1400a Old Manchester road
Goetz, Chas. W., Lime & Cement Co., 3527 Grafiot
Hunkins-Willis Lime & Cement Co., (wholesale), 18th & Austin
Illinois Steel Co., 506 Olive
Iola Portland Cement Co., 420 Olive
Martin, Lawrence & Co., Parnell & Nat'l Bridge rd
Meramec Portland Cement & Material Co.
Ste. Genevieve Lime & Quarry Co., Mermod & Jaccard bldg
St. Louis Portland Cement Co., Prospect Hill Station, C., B. & Q. Ry.
Union Sand & Material Co., Liggett

SEDALIA—Babcock Lumber Co.
Johns, S. P. & Sons
Looney & Bloess Lumber Co.
Missouri Central Lumber Co.
Sturges Lumber Co.
SPRINGFIELD—Marblehead Lime Co.
Rogers & Baldwin Hdw. Co.
Springfield Planing Mill & Lumber Co.
TIPTON—Ferguson, Wm. M.
Schmidt, Wm., & Co.
TRENTON—Trenton Lumber Co.
UNION—Reinhard, Chas. P.
WEBB CITY—Matthews, C. E.
WENTZVILLE—Michel, Henry
WEST PLAINS—Holt, S. J. Lumber Co.
WINDSOR—Arnold, Hayden & McKee

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
Stagg, J. P.
BILLINGS—Allen, H. M. & Co.
Babcock, A. L. Hardware Co.
BOZEMAN—Brown, J. N.
BUTTE—Anaconda Copper Mining Co.
Butte Sewer Pipe & Tile Co.
Citizens' Coal Co.
DILLION—Dillon Lumber Co.
GREAT FALLS—Graham & Ross
Great Falls Lumber Co.
Holter-Boorman Lumber Co.
Murphy-MacClay Hardware Co.
HELENA—Holter, A. M. Hdw. Co., 113 N Main
Prescott, A. K.
Sanford & Evans

NEBRASKA.

BEATRICE—Beatrice Brick Works
Von Steen, J. H. (Wholesale)
Wiebe, J. G.
BLAIR—McQuarrie, John
FREMONT—Nye-Schneider-Fowler Co.
GOTHENBURG—West, E. G.
GRAND ISLAND—Harrison, W. H.
Schmidt, Louis
HEBRON—Young, Knode & Co.
HUMBOLDT—Philpot & Tanner
KEARNEY—Gilcrest, F. H. Lumber Co.
Seeley, C. S.
KENESAW—Kenesaw Lumber Co.
LINCOLN—Brown, F. W. Lumber Co.
Dierk's Lumber & Coal Co.
Searle & Chapin Lumber Co.
Whitebreast Coal & Lumber Co.
Young, R. S. Building Supply Co.
LOUP CITY—Ohlsen Bros.
NEBRASKA CITY—Bickel, J. R.
Bischof, Wm.
NELIGH—Brenton, T. H.
NORFOLK—Chicago Lumber Co.
Edwards & Bradford Lumber Co.
Mittlestadt, L. C.
NORTH PLATTE—Iddings, C. F.
OMAHA—Adams & Kelly Co., 1529 Sherman
Bullard, Haughland & Benedict, Izard c 20th
Cady, H. F. Lumber Co., 6th & Douglas
Disbrow, M. A. & Co., 1201 Nicholas
Guiou & Ledwich, 1024 N 18th
Hampton Lumber Co., 1242 S 16th
Hoagland, G. A., c 9th & Douglass
Hull, C. W. Co., Izard, c 20th
Neb. Coal & Lime Co., 109 S 15th
Wagner & Buchanan, 23d & Paul
SOUTH OMAHA—Bradford-Kennedy Co.
Bradford, Louis Lumber Co.
Howland, E. H. Lumber & Coal Co.
Munshaw, Ed. & Co.
Watkins, J. B. & Co.
TEKAMAH—Houston, E. C. & Co.

NEW HAMPSHIRE.

ASHLAND—Merrill, D. C.
BERLIN—Rowell, H. C.
BRISTOL—Merrill, C. N. & Son
CLAREMONT—Boynton & Ellis
Osgood, E. B.
CONCORD—Dickerman & Co.
Woodworth & Co.
EXETER—Dow, A. N.
Smith, L. B. & Son
FRANKLIN—Stevens, C. P.
KEENE—Knowlton & Stone
Spencer Hardware Co
LACONIA—Guay & Wallace
Smith, John P. Co.
LANCASTER—Moore, L. F. (Heirs of)
Smith, Frank & Co.
LISBON—Parker & Young Co.
MANCHESTER—Head & Dowst Co.
Merrill, Clarence R.
Parker, Henry W.

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MEREDITH—Bartlett & Smith
MILFORD—Kittredge, Edward G.
Winslow, W. L.
NASHAU—Willard, George A.
NEWPORT—Rowell, F. P.
NORTH CONWAY—Gibson, J. L.
PENACOOK—Rolfe, C. M. & A. W.
PORTSMOUTH—Broughton, J. H.
Walker, C. E. & Co.
TROY—Kimball, E. P. & Son

NEW JERSEY.

ASBURY PARK—Buchanon & Smock Lbr. Co.
Consumers' Coal & Supply Co.
De Cou, W. E. & Son
Farmer, Geo. P. Coal & Supply Co., 51 & Main
Lewis, Charles, Main n B'way
Manasquan Gravel Co.
Palmateer Bros.
ATLANTIC CITY—Borton Coal & Trading Co.
Smith, Edwin, 1211 Arctic av
BASKING RIDGE—Conklin Lumber Co.
BAYONNE—Booth, A. W. & Bro.
Brady's, James, Sons Co.
BEVERLY—Perkins, A. T.
BLOOMFIELD—Bloomfield Coal & Supply Co.
Ogden & Cadmus
TAYLOR, JAS. L. MFG. CO. (Steel Staging & Shingling Brackets, Shingle Holders, Scaffold Irons). (See adv. index, end of book)
BOONTON—Boonton Lumber Co.
Salmon, Henry & Son
BORDENTOWN—Chamberlain, John G.
Shreve, W. A. & Co.
BOUNDBROOK—Cook, L. D. & Co.
BURLINGTON—Riggs, Edw., Jr.
CAMDEN—Camden Lime Co., 127 Federal
Justice Coal & Lime Co., 206 Market
Kilpatrick, Samuel A., Federal ab 12th
Reeve, Aug., 31 Market
Taylor Bros., c Front & Market
CRANFORD—Rindell, R.
DOVER—Birch, Foster F.
Dover Lumber Co.
EAST ORANGE—Cook & Genung Co.
Pierson, James T. & Co., 89 Dodd
EDGEWATER—Hinner's, E. H. Sons
ELIZABETH—Enterprise Coal & Supply Co.
Hall & Carlton
Mulford Coal & Lumber Co.
Neureiter & Horre, 336 E Jersey
Sayre, T. F. & H. C.
Smith Lime Flour Co.
Thompson, J. & S. S.
ENGLEWOOD—Payson, George H.
Tuttle Bros.
FAR HILLS—Dumont, David
FREEHOLD—Statsir Lumber Co.
GLADSTONE—Tiger, Ellis Co.
GLASSBORO—Shute, A. E.
GLOUCESTER CITY—Stinson & Dickinsheets
HACKENSACK—Gardner, I. E.
Hackensack Coal & Lumber Co.
HADDONFIELD—Bell Bros.
HAMMONTON—Brinhouse, William H.
HARRISON—Harper Brick Co.
HOBOKEN—Birch, Thos. E.
Kortlang, Hy., 556 Ferry
Vanderbilt, Harry H.
JAMESBURG—Perrine & Buckelew Co.
JERSEY CITY—Appleby, J. Charles
Baldwin Lumber Co., Garfield av
Conlon, Edw. W.
Hall, James P., 388 Central av.
O'Neill, Chas. H. (Est. of)
Union Stone Co., 256 Brunswick
Van Keuren & Son, Grand & Prior
Washburn Bros. Co., ft Jersey av, South Cove
KEARNY—(See Arlington) Store
KENVIL—Kenvil Lumber & Store Co.
LAKEWOOD—Lakewood Supply Co.
Larabee, Alfred S.
Loomis, A. J. Co.
LAMBERTVILLE—Massey, Geo. W.
LITTLE FERRY—Brewster & Son
LONG BRANCH—Chandler & Maps
Edwards Lumber & Coal Co.
MADISON—Bruen & Morres
Green & Pierson
Smith, Joseph M. Co.
MANASQUAN—Vanleer, E. S.
MATAWAN—Cartan & Delvin
MERCHANTVILLE—Collins & Pancoast
METUCHEN—Edgar, Chas. S.
Freeman, Manning & Son
MILLVILLE—Cory, Charles F.
Kimball, Prince & Co.
MONTCLAIR—Persons, W. O.
MORRISTOWN—Ennis, C. W. & Co.
MOUNT HOLLY—Dubell, Furman
NEWARK—Bowden, Fred'k
Cook & Genung Co., 16 & 18 Jersey
Newark Lime & Cement Co., ft Bridge
Ogden, Henry E & Son Co., 428 Clinton av.
Phillips White Rock Lime Co. (Lime), 125
Reeve, Abrer S. & Sons, 88 Front
Rolfe, Jno. H.
Sayre, James R., Jr., & Co., River n Centre
Sayre, Marcus Co., Wharf adj. Centre st. Bridge
Schoonmaker, W., Verona av & Erie R. R.
Tomkins Bros., 74 Passaic
Windsor Lime Co., Centre st. wharf
Wolf, Stewart & Co., Waverly av c Peshine
Woodward, A. H. & Co., 110 Passaic
NEW BRUNSWICK—Rolfe Building Material
Weigel, Philip, Jr., 2 Peace Co.
NEWTON—Losee, F. E.
OCEAN CITY—Shoemaker, C. H. Lumber Co.
Conover, John C.
ORANGE—Conover Bros., 51 Lincoln av
Matthews, A. M. & Co., 68 Freeman
PASSAIC—Anderson Lumber Co.
Campbell, Morrell & Co.
Union Building & Cons. Co.
PATERSON—Agnew, John Co. (Est of)
Brogan, T. J. Co., St. aight & Peach
Goble, Martin, R. R. av c Ward
Kelley, C., R av c Green
Sharpe, Jos. Construction Co., 18th n Van Houten
Smith, A. H.
Stiles, E. M., 223 Ellison
Trimble Co.
PENN GROVE—Barber & Turner
PERTH AMBOY—Donnell, W. J.
Langan, Thomas Lumber Co.
Robbins, I. R.
PLAINFIELD—Boice, Runyon & Co., 242 Park av
Loizeaux, Joshua D. & Co., 640 North av
PLEASANTVILLE—Lake & Risley Co.
PRINCETON—Beekman, J. V. D.
McCarthy & Sons
RAHWAY—Ayres, Ira C.
Friese, G. M.
RIDGEFIELD—Heisenbuttle & Herrschaft
RIDGEFIELD PARK—Brewster & Son
RIVER EDGE—Bogert, A. Z.
RIVERSIDE—Zurbrugg, August
RIVERTON—Thomas Bros.
ROCKAWAY—Stickle, B. K. & G. W.
ROSELLE—Bachman-Veghte Co.
RUTHERFORD—Galloway, Edwin T.
SALEM—Lippincott, Clement G.
SOMERVILLE—Sargeant Bros
Smith-Schoonmaker Co.
SOUTH ORANGE—Halsey, H. B. Co.
SOUTH RIVER—Clayton, N. W.
STANWICK—Rogers, J. S. Co.
SUMMITT—Muchmore, George V.
Stephens Bros.
SWEDESBORO—McCullough, W. H.
TENAFLY—Demorest, Edward
TOMS RIVER—Brandt, A. A.
TOWN OF UNION—(See Weehawken)
TRENTON—Crozer & Stevens, 309 S Stockton
Heath, Samuel Co.
Hunt, James B. Mfg. Co., Richey bldg
New Jersey Elastic Pulp Plaster Co.
Richardson, Jos. B. & Sons
Richardson, P. B., 111 E State
Rickey, A. H. & Co.
VINELAND—Kimball & Prince Lumber Co. ton av
WASHINGTON—Alleger's, E. W. Son
Gulick, Walter D.
WEEHAWKEN—Berger, Edw. W. & Bro.
WESTFIELD—Irving J. S. Co.
Tuttle Bros.
WEST HOBOKEN—Keynton, Thos., 201 Clin-
WESTVILLE—Patterson, Z. & Son ton av

NEW MEXICO.

ALBUQUERQUE—Baldridge, J. C.
SANTA FE—Dudrow, C. W.
Hersch, Leo

NEW YORK.

ADAMS CENTER—Maxson, E. C.
ALBANY—Batchelder, R. C., 774 B'way
Blackburn, J. T. D.
Dwight, H. A., 117 Pier
Fuller, Howard N., Chapel c Sheridan
Halpin, Wm. P.
Helderberg Cement Co. (Cement Mfrs.), 78
Jackson, John H., 3d av ab Sloan State
Leonard & Co., 356 State
McCabe, Peter, 122 Pier
McClellan, Jno., 311 B'way, Rensselaer
ALTAMONT—Sands' Sons
AMENIA—Wilson & Eaton Co.
AMSTERDAM—Grieme, H. C. (Est. of)
ASTORIA—(See Long Island City, Borough of Queens)
ATHENS—Howland & Son
AUBURN—Barnes, D. W. & Son, 5 Wall
Clark Lumber Co.
McCarthy Bros.
BALDWINSVILLE—Blanchard, J. R.
Tappan, W. H.
Voorhees, J. S., & Co.
BATAVIA—Dawson, William B.
BATH—Bowes, H. W. & Co.
BINGHAMTON—Ballard, J. W. Co., 21 Jarvis
Bartlett & Co., 37 Collier
Bloomer, E. F., 59 Collier
D. & H. Lime & Cement Co.
Ensign Lumber Co., Jarvis n Erie R. R.
BROADALBIN—Finch, W. W. & Co.
BROOKLYN—See New York City, Borough of Brooklyn
BUFFALO—Black, John H. (Mfrs' Agt.), Builders' Exchge.
Carroll Bros.
Carroll, J. F.
Dehn, Charles (Gravel, Sand, etc.), Louisiana
Empire Limestone Co. (Gravel) & Perry
Fox & Halloway (Sand), 252 Pearl
King, J. B. & Co., 322 W Genesee
Lyth Tile Co.
Newman, H. L. & W. C., 141 Erie
Pfohl, Louis & Son, 30 Ohio
Reeb, M. A., 599 Michigan
Ross, James H., 141 Erie
Thorn Cement Co., 28 W Swan
BURDETT—Smith, H. C.
BURNHAMS—Payne, M. B.
CANANDAIGUA—Davidson, Alex.
Hollis, A. M. Co.
McNulty, F. X.
Thompson, George T.
CANASERAGA—Barnum, W. H.
CANISTEO—Brasted, P. O.
CARMEL—Palmer, B. S.
CARTHAGE—Jones & Simmons
CATSKILL—Holdridge, Geo. W. & Son
Raynor, A.
Timmerman, P. V. R.
CATTARAUGUS—Rich & Easton
CHATHAM—Boright, John W. Lumber Co.
CHAZY—Chazy Marble Lime Co.
CHESTER—Conklin & Roe
CLINTON—Allen, H. J.
CLYDE—Corrigan, Jos. G.
COHOES—Dooley, Jas. J.
Murray & Riberdy
Neary Bros. Cons. Co. (Contr's & Mason's Supplies)
Slavin, Thomas S.
COLLEGE POINT—(See New York City, Borough of Queens)
CORINTH—Mason, George H.
CORNING—Maltby, W. H. & Sons
CORNWALL LANDING—Taft-Howell Co.
CORTLAND—Beers & Warfield
Maxon & Starin
CUTCHOGUE—Goldsmith & Tuthill
DELHI—Jackson, T. J.
DOLGEVILLE—Faville, W. H.
DUNKIRK—Madigan & Co.
DUTCHESS JUNCTION—Budd, W. D. Brick
EAST AURORA—Geib, William H. Co.
Griggs & Ball
EAST HAMPTON—East Hampton Lumber & Coal Co.
EDEN—Redfield & Davis
ELLENVILLE—Bailey & Deyo
Cox Bros.
ELMIRA—Booth, Irving D.
Doane & Jones Lumber Co.
Elmira Sewer Pipe & Fire Brick Co., Mt R. R. av
Fisk, H. A. & Co., E Clinton & State
Harris, McHenry & Baker Co.
McKnight, Theo.
Spalding, H. C. Co.
Thurston & Haskell, 622 State
FAIRPORT—Holman, Geo. S.
Loomis, A. M.
FAYETTEVILLE—Bangs Cement & Plaster Co.
Sheedy, Thomas W.
FILLMORE—Brooks, William P.
FISHKILL LANDING—Aldridge, C. F.
FLORIDA—Roe Bros.
FLUSHING—(See New York City, Borough of Queens)
FORT PLAIN—Diefendorf, W. J.
Williams & Tanner Co.
FREDONIA—Cobb, John P.
Cooke, F. E.
Sly & Coddington
FREEPORT—Foreman, C. M.
Ross & Randall
FULTON—Gage, W. G. & Co.
GAINESVILLE—Bristol, J. W. & Son
GENESEO—Neff, N. W. & C. D.
GENEVA—Beard, J. H.
Dwyer, Frank
Rogers, R. J. Lumber Co.
Torrey Park Lumber Co.
GLEN COVE—Titus & Bowne
GLENS FALLS—Finch, Pruyn & Co.
Glens Falls Portland Cement Co.
Sherman Lime Co.

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GLOVERSVILLE—Holden Lumber Co.
GOSHEN—Conklin & Cummins
GOUVERNEUR—Corbin, W. S.
Noble, H. H.
GOWANDA—Van Densen, J. E.
GREEN ISLAND—Smith, M.
GREENPORT—Corwin, C. L.
HAVERSTRAW—Hedges, I. M. (Est. of)
Lane, Charles E.
HEMPSTEAD—McLean, John R.
Mollineaux Bros.
HERKIMER—Palmer, C. W. & Co.
Pelton Bros.
Snell, C. R.
HEWLETTE—Sprague, George T.
HICKSVILLE—Augustine, Julius (estate)
Herzog, F. & Son
HIGHLAND FALLS—Muller Bros.
HILLSDALE—Bullock & Herrington
HOLLAND—Griggs, Ichabod N. & Son
HOLLEY—Murphy, John
HOMER—Maxon & Starin
HOOSICK FALLS—Easton, Rising & Worden
HORNELLS—Hollands, Stephen & Sons
HUDSON—Benedict, R. B. & Son
Macy, Charles W., 550 Union
Traver, W. H. & Son
HUNTINGTON—Wood, W. Wilton
HURLEYVILLE—Prince Bros.
ILION—Russell, A. N. & Sons Co.
ITHACA—Driscoll Bros. & Co.
Fowles, J., 10 Main
Jamison-McKinny Co.
JAMESTOWN—Sisson, Geo. W.
KINGSTON—Gill, David, Jr.
Griffiths, Frank H., 18 Hasb'k av
LANCASTER—Garretsee, J. O.
LARCHMONT—Larchmont Coal & Lumber Co.
LAWRENCE—Wood, John A. & Son
LE ROY—Helmlich, John
Keeney, N. B. & Son
Rogers, F. C.
LESTERSHIRE—Baldwin, Edwin L.
LIMA—O'Neill, Wm. A.
LOCKPORT—Crowe, Michael J.
Stainthorpe, C. N. & Co.
Whitmore, Mrs. C. B. Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Lockwood, B. F.
MACEDON—Servoss, Chas. J.
MALONE—Murtaugh, P. J.
Thompson, H. D. & Co.
MAMARONECK—Brewer, R. G.
Moffatt, L.
MATTEAWAN—Davidson, S. M.
MATTITUCK—Penny, George L.
MECHANICSVILLE—Robinson, W. A.
MERRICK—Smith, Thomas B.
MIDDLE GRANVILLE—Rogers, A. N.
MIDDLEPORT—Jackson, Thomas W. & Co.
MIDDLETOWN—Ketchum, D. A.
Le Fever Bros.
Van Fleet, Wilbur
MILLERTON—Beers & Trafford
MONROE—Conklin, Geo. R.
MONTGOMERY—Sears & Moore
Vanderoef, John J.
Wait, Charles D.
MONTICELLO—Osborn & Son
MOUNT KISCO—Young & Halstead Co.
MOUNT VERNON—Burton & Fenton
Wilson & Adams Co.
NEWARK—Bartle, A. C. Lumber Co.
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Harrison, John J. E., 488 B'way
Wilson, Samuel A., 175 Wash'n
NEW PALTZ—Lefevre, A. P.
NEW ROCHELLE—Mahlstedt, J. A. Lumber & Coal Co.
New Rochelle Coal & Lumber Co.

NEW YORK CITY.

Borough of Brooklyn.

(See also Cement Manufacturers)

BROOKLYN—Bannon, P. & Sons (Sand, etc.), 129 Richards
Bergen, Jno. H., 189 Montague
Braun & Howe, 66 Huron
Canda, M. M., 184 3d
Candee & Krekeler, c 15th & Hamilton av & Castle Bros., Johnson pl 1217 Grand
Clarke, Audley, 527 Smith
Colyer, Jos. H. & Son, 11 Front
Creamer, F. D. Co., ft 42d
Duffy, J. P., Co., 51st & 2d av,
Empire Brick & Supply So., 125 25th
Flatbush Building Material Co. (Brick, Lime, Cement, etc.), 1661 Flatbush av
Geiser, Chas. J., Grand & Metropolitan av
Hasenflug & Hellig, 357 Johnson av
Mahnken, John H., 1107 Metropolitan av
Monahan, John F., 378 Flushing av
Morton's, John Sons Co., 387 Carroll
Sullivan, J. T., 2452 Fulton
Wenz, Chas., 2434 Atlantic av

Boroughs of Manhattan & Bronx.

(See also Cement Manufacturers)

NEW YORK — ATLAS PORTLAND CEMENT Co. (Cement Mfrs.), 30 Broad. (See adv. index, end of book)
Behrend, F. (Cement Importer), 54 Front
Bell, John Co., E 138th & Girard
Bloomer & Co., 290 Front
Bowne, Thos. B. & Son, ft Main, Westchester
Bronx Stone & Lumber Co.
Brooks, A. J. H. Co. (Shell Lime), 644
Cable, W. N., 277 B'way W 51st
Candee, Smith & Howland Co., ft E 26th
Contractors' Supply Co., Watson's la., Westchester
Darrow, Rufus & Son, ft W 47th
Empire Brick & Supply Co., 103 Park av
FISKE & COMPANY, (Inc.), Flat Iron bldg. (See adv. index, end of book)
FLEMING & CO., 253 B'way. (See adv. index, end of book)
Francklyn & Ferguson (Cement Importers), Cotton Ex. bldg
Fredenburg & Lounsbury (Front & Ornamental Brick & Cement), 239 4th av
Gates, Church E. & Co., 138th & 4th av
Goss & Edsall Co., 12th av. & 47th
Heaney, P. J. & Co., West Farms rd & 176th
Hoag, Wm. N., Co., 103 Park av
Hookey, W. T., 3d av & 129th
Jackson, Howard B. (Mfrs. Agt. for Brick, Cement, etc.), Flatiron bldg.
Johnson, F'k R., 253 B'way
Kane, John P. Co., 103 Park av
McCandlish, R. N. Kinney Co., 1123 B'way
Martin, Robert C. & Son, 156 5th av
Masons' Supply Co., 284 South
Material Supply Co., 415 E 99th
Miller, Clifford L. & Co. (West Stockbridge Lime; Dry Mixed Mortar; Cement; Plaster, etc.), 110 E. 23d
Moran, Thos. S., 100 William
Morse, Frank E. Co., 17 State
Mount Vernon Builders' Supply & Coal Co., 3rd av, Eastchester
Murray & Reid Co. (Lime & Sand), 17
Murtagh, Chas. E., ft Rivington State
Murtha & Schmoll Co., 814 E 14th
Noonan & Price Co., 15 E 137th
Overbaugh-Camp Co., W 177th & Harlem River
Palmer Lime & Cement Co., 149 B'way
Peck, N. & W. J., ft E 48th
Person & Co., 160 5th av
Philbrick, John A. & Bro., ft E 97th
Planet Cement Co., 1126 Broadway
Raymond, G. B. (Clay Materials), 202nd & Webster av
SAYRE & FISHER CO. (Brick Mfrs.), 261 B'way. (See adv. first inside cover)
Sheldon, W. S. & Co., Rider av & E 141st
Smith, Clarence L. Co., 30th & 11th av
Sparrow, John E., 15 Whitehall
Stortz, Valentine, 76 Pine
Tomkins Bros. (Sewer Pipe), 256 B'way
Tomkins, Calvin, 17 Battery pl
Union Building Material Co., 3 Old B'way
Warner, Chas. Co., 1 Madison av
Wise, Nath'l, ft. E 79th
Wood, Theo. C., 137th & Madison av

Borough of Queens.

COLLEGE POINT—Kraemer Bros. Co.
Pearsall, Lewis
JAMAICA—Styles, Thos.
FLUSHING—Ryon, Augustus M.
LONG ISLAND CITY—Boyce & Barnes Co.
Clonin & Messenger
Pfeffer, Jacob
OCEANUS—Jamieson & Bond
OZONE PARK—Reimer, Jno. B.
RICHMOND HILL—Brown, Geo. A. W. & Co.
Solms, Geo.

Borough of Richmond.

NEW BRIGHTON—Wood, John J.
PRINCE BAY—Seguin-Runyon-Stiles Co.
STAPLETON—Thompson, Jas. & Sons

(End of New York City)

NIAGARA FALLS—Humbert, Wm. S.
NORTH TONAWANDA—Berger, H. U.
Knapp-Cramer Hardware Co.
Rose, H. A. (Est. of)
NUNDA—Knappenberg, W. S.
NYACK—Gregory & Sherman
White, W. H. & Co.
OCEANUS—(See New York City, Borough of Queens)
OGDENSBURG—Barr, John
Britton, W. D.
Hackett, P. Hardware Co.
OLEAN—Taylor B. U. Co.
ONEIDA—Marcellus, Geo. A.
Ruby, R. E.
ONEONTO—Briggs, N. H. & Son
Butts, L. P.
OSSINING—Terwilligers, I. Son
OSWEGO—Farwell, J. B. & Co., ft. W Schuyler
OWEGO—Farmers' & Builders' Supply Co.
PATCHOGUE—Bailey, E. & Sons
PEARL RIVER—Serven, W. A.
PEEKSKILL—Dains', N. Sons Co.
PIEDMONT—Walsh & Reichling
PINE BUSH—McKinney, Henry L.
PLATTSBURG—Purdy, Frank M.
PLEASANTVILLE—Cornell Lumber Co.
PORTCHESTER—Peck, W. E.
Ryan, William Co.
Tibbits, Charles H.
PORT JEFFERSON—Fanning, O. T. & Co.
Mather, John T.
PORT JERVIS—Westbrook, Edw. S.
PORT RICHMOND—(See New York City, Borough of Richmond)
PORT WASHINGTON—Copp, C. W.
POTSDAM—Baldwin, H. K. & Co.
Weed, F. A.
POUGHKEEPSIE—Arnold, C. N. Co.
Foster, D. C. & Sons
Lumb, George W. & Son
Lumb's, Levi Son
Wilbur Co.
PRINCE BAY—(See New York City, Borough of Richmond)
RANDOLPH—Felt & Almy
RHINEBECK—Herrick, T. J.
RICHMONDVILLE—Harroway, M. W.
RIPLEY—Crandall, J. E.
RIVERHEAD—Corwin & Vail Lumber Co.
Young, O. E.
ROCHESTER—Hollister Concrete Block Co.
Lamson & Leason, Cottage c Seward
Mandery, J. J., 158 South av
Oliver, Thomas (Est. of), 328 South av
Rochester Lime Co., 209 Main
Whitmore, Rauber & Vicinus, 279 South av
ROCKVILLE CENTER—Combs, G. D.
Langdon, Jos. B., Est. of
ROME—Wardwell Hardware Co.
RONDOUT—(See Kingston)
SACKETT HARBOR—Hovey, E. A.
SAG HARBOR—East Hampton Lumber & Coal Co.
SALEM—Dillon, Jno. L.
SANDY HILL—Griffin Lumber Co.
Kenyon Lumber Co
SARATOGA SPRINGS—Todd, E. R.
SAUGERTIES—Saugerties Coal & Lumber Co.
SCHNECTADY—Devenpeck, L. W.
Rankin & Carey, 310 S Centre
Rosa, N. W., 223 Dock
Shear, A. & Co., 122 Wall
Winne & McCain, Peek st
SEA CLIFF—Parliman, Lawrence E.
SENECA FALLS—Maier, Fred
Palmer, S. S.
SHERBURNE—Gaines, Thos. P.
SIDNEY—Sidney Flour & Feed Co.
SKANEATLES—Carver, Richard
Stuart, William G.
SOUTHAMPTON—Hampton Lumber Co.
Havens, George L.
STONY BROOK—Bayless, D. T. & Son
SUSPENSION BRIDGE—Haeberle Lumber Co.
SYRACUSE—Artificial Paving Co., 1101 N State
Britton, Israel E., 186 E. Brighton av
Clarke, Geo. R., 541 S Clinton
National Wall Plaster Co., O. C, S. Bank bldg
Paragon Plaster Co. (Atlas Cement; also Lime, Brick, Plaster, etc.), 110 Warren
Salisbury, D. J. & Ten Broeck, 206 St.
Sullivan, C. J., 126 S Clinton Mark's av
TARRYTOWN—Dinkel & Jewell Co.
Husted, A. P.
Odell's, Jacob Sons
TICONDEROGA—Bascom, D. C.
TOMPKINSVILLE—(See New York City, Borough of Richmond)
TONAWANDA—Barnes, Henry, 14 N Canal
Collins, Cornelius
TOTTENVILLE—(See New York City, Borough of Richmond)
TROY—Crandell, Knight & Reichard, 385 River
Grimm, Max, 157 River
Madden Lumber Co., 617 1st av
Rickerson & Co.
Smith, Milo, 527 River
Troy Fireproofing Co.
TRUMANSBURG—Hasard, Wm.
TULLY—Garrison, J. H.

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UTICA—American Hard Wall Plaster Co.
Conley, Frank E. Stone Co.
Corrigan, Jos. N., 201 Steuben
WALDEN—Dominick, D. C.
Hill, C. W.
WARRENSBURG—Emerson, A., C. & Co.
WARWICK—Conkling & Strong
WATERFORD—Slade, George D.
WATERLOO—Clark, Edwin
Terwillinger, A. H. & Son, Locust n Main
WATERTOWN—Cleveland & Ogsbury
Johnson, S. W.
Jones, W. C.
Roblin Lumber Co.
White & Sullivan
WATERVLIET—Andrews, H. F. & Co.
WATKINS—Durland, L. H., Son & Co.
WEST WINFIELD—Weeks, George S.
WHITEHALL—Sullivan, J. H.
Witherbee Cash Store
WHITE PLAINS—Young, R. Bros. Co.
WHITESTONE—(See New York City, Borough of Queens)
WILLIAMS BRIDGE—(See New York City)
WOLCOTT—Northrup, G. H. Lumber Co.
YONKERS—Lawrence Bros.
Yonkers Builders' Supply Co.

NORTH CAROLINA.

ASHEVILLE—Scott Lumber Co.
Westall, W. H. & Co.
CHARLOTTE—Carolina Mfg. Co.
Ward, W. W. & Co.
Wearn, J. H. & Co.
Withers, B. F.
GREENSBORO—Odell Hardware Co.
Stone Building Supply Co.
HICKORY—Ingold, F. B.
LEXINGTON—Ward, E. M.
RALEIGH—Briggs, Thos. H. & Sons
N. C. Bldg. & Supply Co.
SALISBURY—Brown, J. Allen
McCubbins & Harrison
SANFORD—Sanford Sash & Blind Co.
SCOTLAND NECK—Bizzs & Johnson
WILMINGTON—Jacobi, N. Hardware Co.
Moore's, Roger Sons & Co., 104 N Water
WINSTON SALEM—Brown-Rogers Co.
Fogle Bros. Co.
Miller Bros. Co.

NORTH DAKOTA.

BEACH—Kranick, Thos.
DICKINSON—Walton & Davis Co.
FARGO—Beidler & Robinson Lumber Co.
Birch, Stephen
Bowers Bros.
Chesley, James A.
GRAND FORKS—Dinnie Bros.
Pembina Portland Cement Co.
Robertson Lumber Co.
St. Hilaire Retail Lumber Co.
MINOT—Teutsch, Eugene
WAHPETON—Rischard, John

OHIO.

ADA—Ada Coal & Lumber Co.
AKRON—Akron Supply Co., 615 E Mill
Akron Paving & Plaster Co.
Akron Wall Plaster Co.
Botsum Bros., 218 N Main
Crisp, Geo. & Son, 500 E Mill
Haury, John G., 705 E B'way
Kryder, L. & Sons, 112 S Main
Mell & Salem
Peterson & Wright Co.
Pfarr & Hobart
ALLIANCE—Auld's, Jno., Sons
Tollerton, I. & Son
ANDOVER—Wood Bros.
ASHLAND—Ashland Hardware Co.
Boren, William
Palmer, B. H. & Sons
ASHTABULA—Dudley, W. E.
Robinson, M. C. & Co.
Shrock, S. B.
BELLAIRE—Anderson & McGregor Co.
BELLEFONTAINE—Bellefontaine Stone & Lime Co.
Buckeye Portland Cement Co.
BLUFFTON—Siddall, L. J.
BOND HILL—Perine, G. Artificial Stone Co.
BOWLING GREEN—Snowflake Lime Co.
Star Supply Co.
BRIDGEPORT—Meister Bros.
Scott Lumber Co.
BUCYRUS—Smith, J. M. & Fitzer
BURTON—Crittenden, H. W. & Son
CADIZ—Long, E. M. & Sons (Wholesale)
CAMBRIDGE—Cambridge Hardware Co.
Orme-McMahon-Thompson Co.
Prohasco, J. N.
CANTON—Von Dorsten & Muckley
CAREY—Snyder, William H.
CARTHAGE—Wunker, H. & Son
CHILLICOTHE—Sterling Planing Mill & Lumber Co.
Wissler Hardware Co.
CINCINNATI—Chrispin, Jas. G. Lime & Cement Co., 826 Reedy
Cincinnati Builders' Supply Co., Opera House
Cincinnati Sewer Pipe Co., Norwood Bldg.
Conkling, H. J., 1127 Gilbert av.
Contractors' & Builders' Supply Co., 2849 Stanton av
Farrin, M. B. Lumber Co., Winton pl
Funke, John (Sand & Gravel)
Geis, Wm. H. & Co. (Thoms Bldg.
Hall, T. J. & Co. (Washed River Sand & Gravel)
Holley, C. B., Johnston bldg
Hurford & Pursell, Chamber of Commerce
Jacobs, Julius, 276 W McMicken av
McCammon, L. H. Bros., Johnston bldg
McClure, T. F. & Sons Co., Perin bldg
McCracken, J. E., Supply Co., 629 E Front
Metcalfe, L. A., 2433 Gilbert av
Moores-Coney Co., Union Trust bldg
Moss, C. W., 233 McCullough
Pachoud, A. L. & Co., 1067 Gilbert av
Patterson, Alex, 3086 W 6th
Ruff, Allan Ross, Mitchell bldg
Taylor, Chas. E., 1429 Cutter
CIRCLEVILLE—McMullen, G. J. & Son
CLEVELAND—Cannell, Eli W., 4129 E 93d S E
Cleveland Builders' Supply Co., Garfield bldg
Cleveland & Pittsburg Coal Co.
Diamond Portland Cement Co. (Cement Mfrs.), Williamson bldg
Forrester Plaster Co., ft. East 49th
Gordon Sand & Gravel Co., Garfield bldg.
James, Ralph T., 5305 Euclid av
Kelley Island Lime & Transport Co., 11910 Euclid av
King Sand & Gravel Co., New England Bldg.
Lake Shore Sand & Gravel Co.
Lincoln Sand & Gravel Co., Wade Bldg.
Sandusky Portland Cement Co., Rockefeller Bldg.
Shepard, J. J., 1078 W 10th
Stowe-Fuller Co., Superior bldg
CLEVES—Caine, Chas. W.
CLYDE—Hurd, T. P. & Sons
COLLEGE CORNER—Stewart, John H. & Son
Stewart, John H.
COLLINWOOD—Baldwin-Snell Co.
Collinwood Lumber Co.
COLUMBUS—Acme Paving Co., 408 W. State
American Sewer Pipe Co., 815 N High
Carlile, J. P., 450 W Broad
Columbus Builders' Supply Co.
Columbus Coal & Lime Co., 347 S High
Columbus Contractors' Supply Co., The Raggery
Columbus Macadam Co., 819 Dublin av
Ferris Steam Mortar Works, 626 Galloway av
Rapp, Jacob & Co., 375 S High
Rock Plaster Mfg. Co., W Broad & Hocking Valley R. R.
South Side Lumber Co., 1927 S High
Wassell Fire Brick Co., Columbus, O.
CONNEAUT—Pond Lumber Co.
Weldon & Babbitt
CORNING—Rodgers, D. M.
DAYTON—Dayton Builders' Supply Co.
Dayton Fibre Plaster Co., Shawnee st.
Eichelberger, T. D. & Son, 5th & Pearl
Hawthorn, W. S., 222 S William
Herr, E. H.
Keller & Co.
King, Chas. S., 1825 W 3d
McGreevy & Ortman
Rice, Wall Plaster Co., W Wash'n
Schaeffer & Gungnagel, 812 E 1st
Smart, A. F., 526 S Wayne av
Star Coal & Cement Co.
Whitmore, Wm. M., Foundry & Monument
DEFIANCE—Gorman, M. B., 500 Perry av
DELPHOS—Fisher, A. L.
EAST LIVERPOOL—Hall, Robert Lumber Co.
Milligan Hdw. & Supply Co.
Nease, C. & Co.
Old Roman Wall Plaster Co.
EAST PALESTINE—Meek & McClure
EIFORT—Morgan & Horton
ELMWOOD PLACE—Elberg, F. W.
ELYRIA—Elyria Lumber & Coal Co.
FAYETTE—Van Auken & Faber
FINDLAY—Morrison, P. B.
Tarbox & McCall
FOREST—Lindsay, Wm.
Young, J. W. & T. M.
FOSTORIA—Ohio & Western Lime Co.
FRANKLIN—Anderson's, L. G. Sons
FREMONT—Gottron Bros.
GALION—Galion Lumber Co.
GALLIPOLIS—Rue, John C.
GLENDALE—Freyhof, John D.
HAMILTON—Bender Co.
Benninghofen, August
Smith, Jos. W.
Straub, F. J. & Co.
HARRISON—Perrine, Atwood
Vincent, W. C. & Son
HILLSBORO—Highland Lumber Co.
Whisler, Chas. F.
HUBBARD—C. & C. Coal Co.
IRONTON—Ironton Lumber Co.
Ironton Portland Cement Co.
JACKSON—Buckeye Mill & Lumber Co.
KENT—Hall, P. B.
Hullett, George W.
KENTON—Callam, John & Co.
Robinson & Gage Lumber Co.
LANCASTER—Orman Bros. Lumber Co.
LIMA—Fidelity Coal & Supply Co.
Hull, Laurens Lumber Co.
Moulton, H. S.
LISBON—Armstrong, P. M. & Co.
LOCKLAND—Lockland Lumber Co.
LORAIN—Lorain Lumber & Mfg. Co.
Lorain Supply Co.
South Lorain Coal Co.
MADISONVILLE—Settle, O. H. W. & Co.
MANSFIELD—Barton & Willis
Branyon, M. L. & Bro.
Rusk Bros.
Voegele Bros.
MARIETTA—Becker Mill Co.
Crescent Supply Co.
MARION—Implement Mfg. Co.
Leffler & Bland
Ohio Milling & Elevator Co.
Prendergast Co.
MARTINS FERRY—Rothermund, Henry
MARYSVILLE—Robinson & Curry Co.
MASSILLON—Atwater, D. & Son
Clements, A. J.
Halter, Charles L.
Segner, E. C.
MEDINA—Wood Co.
MIDDLEFIELD—Patchin, C. P.
MIDDLETOWN—Hatfield Coal Co.
Ralston Coal Co.
MILFORD—Buckingham & Hair
Clark, J. N.
MOUNT GILEAD—Hickson, Joseph
Mount Gilead Lumber Co.
MOUNT VERNON—Sanderson & McCreary (Also Slate)
NAPOLEON—Napoleon Pulp Plaster Co.
Thiesen & Hildred
NEWARK—Newark Lumber Co.
Norris, H. O.
Pratt-Kirk Co.
Smith, P. & Sons, Lumber Co.
NEW COMERSTOWN—Novelty Brick & Coal Co.
NILES—Eaton, J. W.
Union Roofing & Supply Co.
OBERLIN—Cole, S. M.
OWENS—Owens, John D., & Son
PAULDING—Paulding Lumber Co.
PIQUA—Border City Coal Co.
Codeld, W. O.
Flach Bros.
Morrow & Licklider
Piqua Coal & Iron Co.
Statler, D. C. Co.
Zollinger, S., Co.
PLYMOUTH—Nimmons & Nimmons
PORTSMOUTH—Gilson, J. B. (Est.)
Kaps Bros.
Leet, H., Lumber Co.
RAVENNA—Morgan, E. E.
Bennett, J. A.
ST. PARIS—Kiser & Long
SALEM—Campbell, C. C. & Son
Salem Hardware Co.
Salem Lumber Co.
Satterthwait, Wm. D.
SANDUSKY—Lake Erie Sand Co.
Sandusky Portland Cement Co.
Sandusky Sand Co.
Schoepfle Mfg. & Lumber Co.
SEBRING—Sebring Lumber Co.
SHELBY—Morris, W. H.
Wiggins, E. W.
Will & Myers
SIDNEY—Heiser, Jno.
SPRINGFIELD—Goode & Hayward
Houck Brick Co.
Jenkins & Otstot
Mills Bros., 107 S Limestone
Rawlins, A. M.
Springfield Coal & Ice Co., 98 S Limestone
STEUBENVILLE—Alexander, W. J.
McFeely Bros.
Ohio Plaster & Supply Co.
Ohio Valley Ice & Storage Co.
TIFFIN—Weot Bros. & Co.
TOLEDO—Acme Coal, Wood & Builders' Supply Co.
Buckeye Builders' Supply Co.
Doherty & Co., The Spitzer

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Holst, W. O., Builders' Supply Co.
Knopp Bros. Co.
Ohio Builders' Supply Co.
Ohio & Western Lime Co.
Toledo Builders' Supply Co., Spitzer bldg
Woodville White Lime Co.
TORONTO—Milldollar, W. H.
TROY—Trojan Coal Co.
UHRICHSVILLE—Pearch, Jacob
Romig, P. A.
UPPER SANDUSKY—Gipson, W. A.
VAN WERT—Rupright Bros.
WAPAKONETA—Snyder Mfg. Co.
WARREN—Cereal Supply Co.
Greenwood & Co.
Murray, Thos. R.
Western Reserve Lumber Co.
WASHINGTON C. H.—Coffman, H. G. & Co.
WAUSEON—Williams, H. H. & Co.
WELLSVILLE—Augenbaugh, H. C.
WEST LIBERTY—Feathers, George
WILLOUGHBY—Hill, A. T. & Co.
Jenkins, C. C.
WILMINGTON—Fisher Mfg. & Fuel Co.
WOOSTER—Gray & Son
XENIA—Thornhill Bros.
YOUNGSTOWN—Buehrle, German B.
Concrete Stone & Sand Co. (Sand & Concrete)
Kinder, L. & Co.
Mahoning Builders' Supply Co.
Mauser, Christ
Sharp Bros. Co.
Youngstown Ice Co.
ZANESVILLE—Adams Bros.
Harris Bros., 28 N 2d
Moorehead, Thos. L.
Moorehead, R.
Townsend, Wm. C. & Co., 7 Main

OKLAHOMA.

OKLAHOMA—Clark, R. J., Coal Co.
De Bolt, A. M.
Garrison, J. B. & Co.
Green, W. W.
STILLWATER—Bullam, H. P.

OREGON.

BAKER CITY—Stoddard Bros. Co.
EUGENE—Roney, L. N.
GRANTS PASS—Hair, Riddle Hdw. Co.
PORTLAND—Adamant Co.
Balfour, Guthrie & Co., Concord bldg
Beach, F. E. & Co., 135 1st
Capron, Albert J.
Crowe, F. T. & Co. (Complete Line), 252 Oak
Hennesy, J. D. & Co.
Ireland & McMillan
McCracken, J. Co. (Cement, Lime, Plaster & Builders' Specialties)
Nottingham & Co.
Oregon Lime & Plaster Co.
Rate, G. B. & Co., 184 Madison
Timms, Cress & Co.
Versteeg-Gor Brick Co.
Waterhouse & Price Co.
Western Storage & Transfer Co., 321 Hawthorne av
SALEM—Burton, A. A.
Murphy, J. E.
THE DALLES—Glenn, Hugh & Co.
Wasco Warehouse Milling Co.

PENNSYLVANIA.

ALLEGHENY—Duncan & Porter Co., 310 Morgan
Knox, Strouss & Bragdon, Juniata & Preble
Murray Bros., 318 Sandusky av.
Patterson Coal & Supply Co., 1222 Grant av
ALLENTOWN—Butz, Jas. F. & Co., Gordon
Kuder, Millard A., 330 Gordon c Jordan
Ochs, Milton, T. J.
ALTOONA—Altoona Concrete Construction & Canan Building Supply Co. Supply Co.
Canan-Knox Supply Co., 18th & Margaret
Halton, John (Estate of)
Vipond, John S. Coal Co.
AMBLER—Craft, J. Watson
ARCHBALD—O'Boyle, F. J.
ARDMORE—Smedley & Mehl
ASHLAND—Buck, Peter E. & Sons
ATHENS—Macafee, Dana J.
Myer, C. M.
AVONDALE—Williamson, Frank & Co.
BANGOR—Bangor Lumber Mfg. Co.
Houck, Edward J.
Wise Co., Lumber & Coal
BATH—Cressman, A. H.
BEAVER—Anderson & Cook
BEAVER FALLS—Brierly, Frank F. & Sons
Davidson, W. J.
Pearson & Son
Zimmerman, R. E.
BELLEFONTE—McCalmont & Co.
BERWYN—Fritz, W. H.
BETHLEHEM—Stahr, George F.
BLAIRSVILLE—Graff Coal Co.
Ray, L. S. W.
BLOOMSBURG—Paragon Plaster & Supply Co.
BLOSSBURG—Clark, Geo. D.
BLUE BELL—De Prefontaine, Chas.
BOSTON—Harper, C. M. C.
BRADDOCK—Braddock Hdw. & Supply Co.
Braddock Lumber Co.
Crown Wall Plaster Co.
Dowler, E. R.
Keller & Milliken
McCrady Bros. Co., Braddock, Pa.
Stockdale Supply Co.
BRADFORD—Fischer, L. A. & Co.
Robison, Winfred S.
Stout & Holden
BRIDGEPORT—March's, I. F. Sons
BRISTOL—Leedom, W. F.
Pierce, E. M.
BROOKVILLE—McKnight, Son & Co.
BROWNSVILLE—Wright's, T. S. Sons
BRYN MAWR—Supple, I. H. & Co.
BUTLER—Klinger, H. J. & Co.
Niggel, J. & Son
CAMBRIDGE SPRINGS—Bolard Bros.
CANONSBURG—Elliott, W. J.
Munnell, Samuel
CARBONDALE—Cavanagh, C.
Mills Bros.
CARLISLE—Bixler, J. P. & Sons
Goodyear Bros.
CARNEGIE—Foster, C. A.
CATASAUQUA—Deily, G. B. F.
Schneller, C. W.
CHAMBERSBURG—Coyle & Diehl
CHARLEROI—Mounster, R. C.
CHESTER—Bunting, D. S. Co.
Chester Lumber & Coal Co.
McDowell, W. J. & Bro.
Stevenson Co.
Wood, L. N. & Bro.
CHRISTIANA—Cooper, Mark P.
CLEARFIELD—Johnson, F. & Bro.
Standard Brick & Tile Co.
COATESVILLE—Lukens, Nathan
Pownall Hardware Co.
COLUMBIA—Columbia Brick Co.
Wilson, Hiram (Est. of)
CONNELLSVILLE—Fayette Lumber Co.
Standard Lime & Stone Co.
CONSHOHOCKEN—Beatty, Jas., Sr.
Jones, Wm. Potts
CORAOPOLIS—Watson, T. F. & Bro.
CORRY—Barlow Hardware Co.
CRAFTON—Crafton Builders' Supply Co.
DANVILLE—Cole, J. H.
Welliver Hardware Co.
DARBY—Thurston, Oscar
DEVON—Lobb, C. A. & Sons
DOYLESTOWN—Barrett, James
Beidler, Henry S.
Randall, W. H.
DUBOIS—DuBois, Jno. B.
Hibner-Hoover Hardware Co.
EASTON—Easton Lime Co.
Osterstock, J. S. & Co.
EAST STROUDSBURG — East Stroudsburg Lumber Co.
EMAUS—Brown, Chas. D.
Jarrett, H. W. & Son
EMLENTON—Sloan, U.
EMSWORTH—Little, John G.
ERIE—Erie Hard Wall Plaster Co., ft. of McCarty, Dennis, 6th & Wayne French
Saltsman Coal & Supply Co.
Thayer, O. C. & Son, Chestnut & Railroad
ETNA—Pine Creek Supply Co.
Stevenson, Milford
EVANS CITY—Burry & Market
EVERETT—Cottage Planing Mill Co.
FERNWOOD—Hoopes, Rufus C.
FLEETWOOD—Schaeffer, Wanner & Co.
FRANKLIN—Howard Lumber & Coal Co.
King, George S.
GLENOLDEN—Mitchell, J. E.
GREENVILLE—Emery, H. H.
Livingston & Moyer
Packard Hdw. Co.
HAMBURG—Lenhart, I. S.
HANOVER—Schmuck Bros.
HARRISBURG—Gerlock & Lutz, 10th c Mulberry
Kelley, H. M. & Co.
Rhoads, C. H. & Co., c 7th & Briggs
Rhoads, J. E., Cowden c Forster
HARRISON VALLEY—Parks, J. M.
HAZLETON—Bright, J. C. & Co.
Frederick, S. Y.
Hazleton Machinery & Supply Co.
Schaub, Justus
Shaffer, Aaron
HOLLIDAYSBURG—Condron, J. B.
Law, John H.
Law, Joseph D.
HOMESTEAD—Hall, H. & Co.
HOOVERSVILLE—Myers, H. J. & W. A.
HUMMELSTOWN—Engle, Jno. S.
Holler, Chas.
HUNTINGDON—Miller, C. H. Hdw. Co.
INDIANA—Stewart, J. M. & Co.
IRWIN—Fox, L. C.
JEANNETTE—Sloan, W. S.
JOHNSTOWN—Cambria Concrete Construction
Johnstown Planing Mill Co. & Supply Co.
Thomas-Kinsey Lumber Co.
Walters, John W.
KINGSTON—Edwards & Co.
Rout, A. J.
KITTANNING—McConnell & Luker
McCullough, James, Jr.
KNOXVILLE—Fisk Supply Co.
KUTZTOWN—Hetiner, Jas. S.
LANCASTER—Galbraith, Jefferson G.
Reilly Bros. & Raub, 40 N Queen
Seuer, G. & Son
Steinmann Hardware Co., 26 W King
LANSDALE—Brady, James
LANSDOWNE—Levis, G. H.
LATROBE—Doherty, Philip, Hardware & Supply Co.
McFeely Brick Co.
LEBANON—Granitine Wall Plaster Co.
Krause, George Hardware Co.
LEHIGHTON—Lehigh Coal & Hdw. Co.
LEWISBURG—Dreisbach's, C. Sons
Proctor, G. W. & Son
LEWISTOWN—Franciscus, F. G. (Est. of)
LINWOOD STATION—Wood, N. L. & Bros.
LOCK HAVEN—Candor, A. C. & Co.
McKEESPORT—Bowman Bros. Co., Inc.
Bowman & Wilson
Hartman Hdw. Co.
Patterson, Jas. E.
Serena, John & Co.
McKEES ROCKS—Young & Schmitt
MAOUNGIE—Singmaster, J. & Co.
MAHANOY CITY—Ball, H.
MANSFIELD—Rose & McDowell
MAUCH CHUNK—Neast, Chas. & Co.
MEADVILLE—Harris, C. P.
Smith, L. F. Lumber Co.
Stolz, Charles
MECHANICSBURG—Martin, C. & Son
MEDIA—Williamson, C. F.
MERCER—Mercer Milling & Lumber Co.
Zahniser, M. O.
MIFFLIN—Maubeck & Nelson
MONONGAHELA—McCurdy, T. S. & Son
Yobe Bros.
MONROETON—Cranmer & Musselman
MONTROSE—Cooley & Son
MOORES—Moore, G. W. & Co.
MOSCOW—Loveland, J. E.
MOUNT PLEASANT—Husband Lumber Co.
Smith, W. H. & Son
Stevenson, J. A. & Co.
NEW BETHLEHEM—Anderson Hdw. Co.
Andrews', C. E. Lumber Co.
NEW BRIGHTON—Martsolf Bros. Co.
Martsolf, George W.
NEW CASTLE—Kline Lumber & Coms. Co.
Marshall Bros.
NEW FREEDOM—Bahn, Walter D. & Co.
NEW KENSINGTON—Klingensmith, H. A. & Son
McKeen, J. S. & Sons
NEWPORT—Jones, Alvin
NEWTOWN—Worstall Bros. & Co.
NORRISTOWN—Evans, B. & Bro.
Quillman, B.
Scheets, R.
NORTH WALES—Leister, Jacob H. & Son
OGONTZ—Nagle, Louis A. & Co.
OIL CITY—Borland & Diamond Lumber Co.
Caldwell Lumber Co.
Kern & Co.
United Lumber & Coal Co. (Ltd.)
OLYPHANT—Lally, Jas. H.
OXFORD—Chandler, D. W. & Co.
Dickey, S. R. & Co.
PARKESBURG—Worrell, Jos.
PEN ARGYL—Correll, R. S.
Fitzgerald, Speer Co.
PENLLYN—Davis, L. Y.
PERRYOPOLIS—Herwick, A. C.
PETERSBURG—Stryker, Sam'l L.
PHILADELPHIA—Ambler H. C. Co. (Inc.), 3444 N 16th
American Cement Co. (Cement Mfrs.), Penn. bldg
ATLAS PORTLAND CEMENT CO. (Mfrs.), 114 N Broad. (See adv. index, end of book)
Bihlmaier, C. H. Co., 2706 Broad
Blair, Reed F., & Co. (Portland Cements, Fire & Silica Brick, etc.) Frick bldg
Borgner Cement Co. (Distributors of Lehigh Portland Cement), 234 N 23d
Bowditch, Walter, 205 E Haynes, Gtn.

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Bradley, Walter T. Co., 9th, below Girard av
Budd & Co., 1021 Passy'k av
Clay Products Supply Co., Real Estate Trust
Clymer, Jacob, c Marshall & Berks bldg
Cox's, C. A. Sons, 2139 N American
Davis, Paul A., Jr., 136 N Water
Dobbs, S. B., Bailey bldg
Dougherty, Cornelius, 1207 Passyunk av
Ebert, Morris, 119 S 4th
Evans, Wm. & Son, 56 N Front
Fairlamb, P. H. & Co., 115 S 30th
Fitzgerald, John J. & Co., 14 S Broad
France, David Co., Tasker St. Wharf
Fredericks, Chas. C., Wayne av, c Reading
By Gtn
FRENCH, SAMUEL H. & CO., York av, 4th & Callowhill. (See adv. index,
Gabell, W. T., 2405 Sedgley end of book)
Garrett, Jas. & Co., 1432 S Penn sq
Gilbert, Harry W., 9th c Venaugh
Hartranft, Wm. G. Cement Co., Real Estate Trust bldg
Housekeeper, Benj. (Lime), 1526 N American
Kerbaugh Lime Co., Wash'n av, c 15th
Keystone Plaster Co. (Adamant Wall Plaster), 16 S Broad
Knickerbocker Lime Co. (Inc.), 366 N 24th
Krause, Wm. & Sons (Inc.), 1621 N 5th
Kugler, Clarence B., Jr., & Co., Land Title bldg
Kyle, Geo., S. 73 c Grays av
Lesley & Trinkle Co., Penna bldg
Lukens & Yerkes, Commonwealth bldg
Lyster Supply Co., 30th & Spruce
McCleman, H. A. & Bro., 2589 S. 18th
Manayunk Coal & Lime Co., Manayunk
Martin, Hugh T., 1028 Cross
Meng, Anthony & Co., 109 S Front
Peoples Bros., 25th & Callowhill
Prettyman, Harry D., Land Title bldg
Robinson, Thos. & Co., Real Estate Trust
Rutan, John W., Heed bldg bldg
Sergeant, Jos. & A. Co., 617 S 20th
Sinn, Geo. A., 4430 Penn
Smith, Edwin A. Son (Lime), 1017 Frankford av
Tyson, Jacob L., 900 Jeff
Vollmer, P. S., 112 N Broad
Warner, Chas. Co. (Wholesale), Land Title
Williamson, Frank 2202 Chestnut bldg

PHOENIXVILLE—Benjamin, N. H. Co.
PITTSBURG—Anderson, Jas. B., 6714 Hudson Pl
Birmingham Supply Co., S 17th & Muriel
Blair, Reed F. & Co. (Portland Cement, Fire & Silica Brick, etc.), Frick bldg
Brown, Andrew J., 6414 Frankstown av
Davison, J. K. & Bro., 42d & Davison
Diehl's, Adam, Sons, 107 S 18th
Heppenstall & Marquis, 32d & Liberty av
Houston Bros. Co., 32d & P. R. R.
Jiles, Jas. Co., Liberty av & 38th st
Keller Bros., 6347 Station
Kennedy, D. J. & Co., 6366 Frankstown
Lane, Thos. Co., Lewis bldg av
Leggett Wm. T. & Co., 2621 Liberty av
McKallip & Co. (Full Line), 2335 Smallman.
McLain, E. S. & Son (Wyandotte Cement), Fulton bldg
Miller, Mason & Co. (Ltd.), Fulton bldg
Miller & Coulson, Diamond Bank bldg
Munhall, R. J. Lumber Co., 2224 Sidney
National Mortar & Supply Co., 209 9th
Patterson Coal & Supply Co., 1222 Grant av
Pittsburg-Buffalo Co. ("Edison" Cement, etc.), Frick bldg
Pope Cement & Brick Co. (Alpha Cement, etc.), 421 Wood
Williams, W. H. & Co., 5th
Winfield Sand Co., 421 Wood

PITTSTON—Dershimer & Griffen
Patterson, J. E. & Co.
PORTLAND—Miller, J. I.
POTTSTOWN—Bailey, M. W.
Fegely, J. & Son
Hallman, Wm.
Halteman, J. L.
Van Buskirk & Bro.
POTTSVILLE—Bright & Co.
Thompson, L. C.
PUNXSUTAWNEY—Brown Hardware Co.
Meredith, W. R.
Robinson Hardware Co.
QUAKERTOWN—Achey, Benj.
Walp, C. H. & Bro.
READING—Ahrens, H. E. & Bro.
Bard Hardware Co.
Bright & Co., 504 Penn
Gring Bros., 6th & Canal
Miller, Daniel
Parker, W. H.
Reading Lumber Co.
Roth, A. L. Co., 45 S 7th
RIDGWAY—Hyde-Murphy Co.
Hyde, W. H. & Co.
ROCHESTER—Miller, Wm. & Sons (Inc.)
ROYERSFORD—Buckwalter, J. A.
SALTSBURG—Davis Bros. & Co.
SCRANTON—Benore, John
Empire Limestone Co. (Gravel)
Hunt, Alex. E.
Keller, Luther, 813 W Lack. av
Maloney Oil & Mfg. Co.
Mason & Snowdon Lumber Co.
Paragon Plaster & Supply Co., 1500 Albright
Washburn, Williams & Co. av
SEWICKLEY—Hays, Alden F.
SHARON—McIntyre, Wm., & Sons
Wallis & Carley
Wishart, A. & Son Co.
SLATINGTON—Dettmer & Handwerk
Fritzinger, William A.
SOMERSET—Fink, Peter
SOUDERTON—Hunsberger, S. D.
Moyer & Son
Souder & Crouthamel
SOUTH BETHLEHEM—Laufer, Milton
SOUTH SHARON—Anderson, W. T.
SPRING CITY—Davis & Mowrey
STEELTON—Couffer & Sultzeberger
Hess, John
SUNBURY—Sunbury Supply Co.
Whitmer, William & Sons Co.
SUSQUEHANNA—Millane, M.
SWARTHMORE—Ogden, C. G. & Co.
THURLOW—(See Chester)
TITUSVILLE—Edwards, H. B.
Hale, W. J.
Shank, I. L.
TOWANDA—Myer, Berlin F.
TROY—Snedeker & Mitchell
Spalding, H. M. & Son
TUNKHANNOCK—Billings, Paul & Co.
TYRONE—American Lime & Stone Co.
Beyer, F. D. & Co.
Franciscus Hardware Co.
Grazier Bros. & Stine
UNION CITY—Union Coal & Supply Co.
VANDERGRIFT—Hunger, Geo. A.
Kimmel, J. G.
WARREN—Pickett Hardware Co.
WASHINGTON—Hart, W. Brit.
Paul & Post
WAYNE—Connor, I. W. & Co.
WAYNESBORO—Gilbert & Gordon
Hess, Daniel W. Sons
Newcomber, J. M. & Co.
WEST CHESTER—Bennett & Lear
Hoopes, Ralston R.
Sharpless, S. E. Lumber Co.
WESTFIELD—Tremain, G. H.
WEST GROVE—Chambers, S. K. & Bros.
WILKES-BARRE—Goff Lumber Co.
Morgan's, Charles Sons
National Supply Co.
Patterson, James E. & Co., 185 N Canal
Penna. Supply Co., 60 S Canal
Phelps, Lewis & Bennett Co.
Ritter, S. V.
Schmitt, John A. Sons
Wilke-Barre Masons' Supply Co.
WILLIAMSPORT—Brown, Clark & Howe
Diamond Wall Cement Co.
Kline & Co.
Stuempfle's, David Sons
YORK—Detwiler Sand Co.
Frey & Thomas
McClellan & Gotwalt Co.
Small, P. A. & S. Co.
Spangler, E. W., Jr.
York Valley Lime Co.
Zinn Bros.

RHODE ISLAND.

BRISTOL—Wardwell Lumber Co.
EAST PROVIDENCE—Halliday Bros.
NEWPORT—Hammet, A. & H. G., 321 Thames
PAWTUCKET—City Coal Co.
Cottrell, J. T. Co.
Newell Coal & Lumber Co.
Olney & Payne Bros.
PROVIDENCE—Goff, James C. Co., 81 Point
Harris, Wm. M., Jr., 546 Atwells
Horton, H. R. Co.
McKendall, F'k D., 519 Charles
Manchester & Hudson, 55 Point
Olneyville Hay & Grain Co., 45 Manton
Whaley, J. A. & Co., 39 Smith av
RIVER POINT—Potter, H. W. & Son
WAKEFIELD—Wakefield Lumber Co.
WESTERLY—Babcock & Wilcox
Kenyon, H. T. & Co.
Maxon & Co.
Segar, H. R. Co.
Sherman, Robert A. & Sons Co.
WOONSOCKET—City Lumber Co., River st
Woonsocket Lumber Co., 189 N Main

SOUTH CAROLINA.

ANDERSON—Anderson, O. D.
Brissey, W. L.
White & Co.
BEAUFORT—Christensen, N. & Son
CHARLESTON—Anderson Lumber Co. (Brick, etc.), West Eng Broad
Bird, Wm. M. & Co., 205 E Bay
Carolina Portland Cement Co., 194 E Bay
Hughes, Thos., 82 Mary
Johnson, Wm. & Co., E End Lawrens
Southeastern Lime & Cement Co
COLUMBIA—Brown, C. O. & Bro.
Lorick & Lawrence.
GAFFNEY—Builders' Supply Co.
Carroll & Co.
GREENVILLE—Gower Supply Co.
GREENWOOD—Simmons, J. T.
NEWBERRY—Pool, T. C.
SPARTANBURG—Ezell, S. B.
SUMTER—Harby & Co.

SOUTH DAKOTA.

CHAMBERLAIN—Anderson, J. F., Lumber Co.
MITCHELL—Davis & Daniels Co.
SIOUX FALLS—Sioux Falls Lumber Co.
Ross, H. W. Lumber Co.
Tuthill, J. W. Lumber Co.
WATERTOWN—Stover Construction Co.
Watertown Cement Products Co.
YANKTON—Loonan Lumber Co.
Western Portland Cement Co.

TENNESSEE.

BRISTOL—Adams Bros. Co. (Inc.)
Mitchell, Powers Hardware Co.
Morton, Lewis & Willey Lumber Co.
CHATTANOOGA—Buquo Lime Co.
Gager Lime & Mfg. Co., 208 Carter
Howard Hydraulic Cement Co., 10 W 8th
Howard Park Brick Co.
Magill Hdw. Co., 729 Market
Wilson, T. T., 1028 Market
CLARKSVILLE—Hurst, Boillin & Co.
HARRIMAN—Dame Mantel Co.
JACKSON—City Lumber Co.
Gardner, O. G. Lumber
JOHNSON CITY—Martin, Jas. A.
KNOXVILLE—Chandler & Co.
Sanford, Chamberlain & Albers Co.
Sullins Coal & Coke Co.
Tenn. Lime & Sand Co.
MEMPHIS—Cubbins Lime & Cement Co., 442 Decatur
Denie, J. A. Sons, 82 S Front
Kavanaugh Sand Co., Tenn Trust bldg
Wright Lime & Cement Co., 90 S Third
MORRISTOWN—Baylor, C. E. & Co. st.
MURFREESBORO—Earthman, W. B. & Co.
Williams Bros.
NASHVILLE—Cohn & Goldberg
Hardison, W. T. & Co., 111 S. First
Hoover & Co., 810 Fourth av N
Love, Boyd & Co., ft of S 2d
Nashville Builders' Supply Co., 200 First
Norvell & Wallace, 609 Broadway st N
Ransom, J. B. & Co., 19th av & Clinton
TULLAHOMA—Lawson, T. D. st

TEXAS.

ALBANY—Rockwell Bros. & Co.
AUSTIN—Austin White Lime Co.
Tips, Walter
BASTROP—Wilbarger, J. L. & Co.
BEAUMONT—Texas Bldrs' Supply Co.
Wilson, E. L. Hdw. Co.
BEEVILLE—Kohler & Haldenfels
CISCO—Burton-Lingo Co.
CLEBURNE—Burton-Lingo Co.
Wilson, H. S.
COLORADO—Burton-Lingo Co.
Roe, A. J.
CORPUS CHRISTI—Sidbury Lumber Co.
CORSICANA—Whitselle Brick & Lumber Co.
DALLAS—Griffiths, T. W. & Co., 108 N Lamar
Moore & Co.
DENISON—Hanna Bros.
Lingo-Leeper Lumber Co.
DENTON—Wilson, J. B. & Co.
EL PASO—Bassett, O. T. & Co.
Courchesne, A.
El Paso Lumber Co.
Sante Fe Fuel Co.
FORT WORTH—Armstrong, J. H. & Co.
Burton-Lingo Co. (Ltd.)
Cameron, Wm. & Co.
Darnell Lbr. Co.
Nash Hardware Co.
Owens, G. W. Lumber Co.
Roe, A. J.
Smith, Cicero Lbr. Co.
Waples-Painter Co.

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GALVESTON—Fowler & McVitie, Cotton Exchange bldg
Parr, Wm. & Co., 2108 Strand
GROESBECK—Walker, S. S. & Son
HALLETTSVILLE—Hill, T. A. & Son
HILLSBORO—Lyon, O. T. & Son
HOUSTON—Barthold & Casey
Browne Bldrs' Supply Co.
Heitmann, F. W. & Co.
Macatee, W. L. & Sons
Street & Graves
KERRVILLE—Schreiner, Chas. Co.
LAREDO—Deutz, A. & Bros.
Johnson, S. N.
Johnson & Yaeger
LLANO—Llano Lumber Co.
LULING—Luling Lumber Co.
NAVASOTA—Youens, J. & Co.
ORANGE—Lutcher & Moore Lumber Co
Miller, Link Lumber Co.
Sabine Supply Co.
PALESTINE—Broyles, W. & G. D.
PARIS—Bettes, H. S. Hdw. Co.
SAN ANTONIO—Alamo Cement Co.
Dielman, Jno. C.
SCHULENBURG—Schaefer, H. B.
SHERMAN—Fielder, A. A.
Lyon, O. T. & Son
SWEET WATER—Wilkerson, O. L.
TEMPLE—Campbell, C. M. & Sons
Hollingsworth, Joseph
TERRELL—Muckleroy & Dew
TEXARKANA—Chatfield & Buhrman Hardware Co.
Hoffman Hdw. Co.
Stevens, A. M.
VICTORIA—Bailey Mills Co.
Goldman, A.
Levi, A. & Co.
WACO—Brazelton-Pryor & Co.
Cameron, William & Co.
Nash, Robinson & Co., 908 Austin av
Strauss, H.
WILLS POINT—Matthews, N. A. Lumber Co.

UTAH.

OGDEN—Eccles Lumber Co.
Lowe, Geo. A. & Co.
SALT LAKE CITY—Holman, Payne & Co.
Langton Lime & Cement Co., 341 S State
Morris, Elias & Sons Co.
Morrison, Merrill & Co., 241 N 3d, W
Portland Cement Co. of Utah (Cement Mfrs.), 8th S & 5th W
SPANISH FORK—Jex Lumber Co.

VERMONT.

BELLOWS FALLS—Bellows Falls Pulp Plaster Co.
BENNINGTON—Loring, J. H. & Co., 118 Depot
BRATTLEBORO—Mellen, J. Edgar
Robbins & Cowles
BURLINGTON—Burlington Grocery Co.
FAIR HAVEN—Reed Coal Co.
MIDDLEBURY—Chapman, T. M. & Co.
MONTPELIER—Hyde, E. D.
NEWPORT—MacDiarmid & Co.
NORTH BENNINGTON—Hawks, A. W.
POULTNEY—Bixby, E. M. & Son
Ripley Lbr. Co.
Sherman, S. & Son
RANDOLPH—Lamson, J. H. & Sons
Tewksbury, E. W. & Co.
RUTLAND—Burditt Bros.
Curtis, S. P. & Son
Landon, Walter C. & Co.
ST. ALBANS—Bostwick Bros.
Fonda, W. B.
ST. JOHNSBURY—Caldbeck, M. J. & Son
Ide, E. T. & H. K.

VIRGINIA.

ALEXANDRIA—Burrough, Thos F., Son & Co
Robinson, Geo. H. Sons
Smoot, W. A. & Son
Smoot & Co.
BERKLEY—Cuthrell, John
BERRYVILLE—Baker, H. W.
Phillips', Wm. Bros.
CHARLOTTSVILLE—Wood, Vest & Co.
CHASE CITY—Robert, B. A. & Son
DANVILLE—Fitzgerald, N. A. & T. J.
Swanson Bros. & Co.
FREDERICKSBURG—Cole, E. D.
HAMPTON—Born, L.
Heffelinger Co.
Hudgins Bros.
HARRISONBURG—Snell, J. M. G. Co. (Inc.)
LYNCHBURG—Adams Bros. Payne's Co.
Hutter, C. S.
Williams & Barnett Co.
NEWPORT NEWS—Benson, Philips & Co.
Poarch & So.
Richardson, Robt. E., Va. av & 31st
Weaver Bros., Warwick av
NORFOLK—Batchelder & Collins, 145 Water
Bayne, C. M. & Co.
Builders' Supply Co.
Gamage, J. W. & Co. (Domestic & Imported Cements, Brick, Lime, etc.)
Gamage, Jno. O., Woodside's Wharf
Grinnan, John C., 227 Monticello av.
Jones & Co.
Nottingham & Wrenn Co., 2 Monticello av.
PETERSBURG—Friend & Co.
Marks, L. L. Lumber & Supply Co.
PHOEBUS—Tennis, Edgar M.
PORTSMOUTH—Corprew, Anthony A.
Hawks-Maupin Co.
Lindsay, John B., 803 Crawford
Lindsay & Co.
Oast, Samuel P., 1101 Court
RICHMOND—Baldwin & Brown, 1557 E Main
Hawes, S. H. & Co., 1801 E Cary
Lee, A. S. & Son, 108 S 13th
Moore Lime Co., Dock & 17th
Moore, Warner & Co., 17th & Dock
Sitterding-Carneal-Davis Co.
ROANOKE—Adams, Payne & Gleaves
Central Mfg. Co., Shenandoah av c 2d, N W
Exchange Lumber Co., 15 2d, S W
Wilkinson, J. H., 102 3d, S W
SOUTH BOSTON—Lawson, R. W. & Co.
STAUNTON—Clem Bros.
SUFFOLK—Allen, R. R.
Folk, E. L. & Co.
Shoop, Withers Co.
WARRENTON—Wood, D. P. & Co.
WINCHESTER—Johnson, Davis

WASHINGTON.

BELLINGHAM—Morse Hardware Co.
SEATTLE—Atlas Lumber & Shingle Co., Caine, E. E., 608 1st Alaska bldg
Carstens & Earles, Lowman bldg
Crowe, F. T. & Co. (Complete Line), Globe bldg
Daily, S. W. R., Colman bldg
Fryer, David E. & Co.
Galbraith, Bacon & Co., ft Madison
Hill Brick Co.
McMullen, J. S. & Co., Ewing c Fremont av
Newell Milling & Mfg. Co., Bradford e 7th
Seattle Sand & Gravel Co. av So S
Washington Brick & Tile Co.
SPOKANE — Crowe, F. T. & Co. (Complete Line)
Daily, S. W. R.
Idaho Lime Co., Division c N. P. R. R.
Washington Brick, Lime & Mfg. Co., Wash'n & Pacific
TACOMA—Crowe, F. T. & Co. (Complete Line)
Daily, S. W. R.
Griffin Transfer Co.
Tacoma Trading Co.
Tacoma & Roche Harbor Lime Co., Equitable bldg
WALLA WALLA—Loney, Samuel & Co.
Snell, Geo. H.

WEST VIRGINIA.

BLUEFIELD—Saxon Lime & Lbr. Co.
BUCKHANNON—Alton Lbr. Co.
Builders' Supply Co.
Drummond, T. B. Co.
CHARLESTON—Burlew, N. S.
Courtney, D. G.
Goshorn Hardware Co.
CHARLESTOWN—Phillips, Wm. Sons
CLARKSBURG—Williams & Davison Co.
FAIRMONT—Lilley, Geo. M.
West Virginia Builders' Supply Co.
HUNTINGTON—Miller Supply Co.
Mossman Bros.
HURRICANE—McCallister, Wm. H.
KEYSER—Liller, W. A.
Steorts, H. G.
MORGANTOWN—Huston & Demain
Morgantown Brick Co.
Morgantown Planing Mill Co.
NEW CUMBERLAND—General Merchandise Co.
PARKERSBURG—Beckwith, Joel
Lowther, M. R. & Co.
Senseman, J. M. Lumber Co.
Wilson, R. S. & Son
WHEELING—Chapman, W. H. & Sons, 1218 Main
Miller & Stein, 1313 Main
Wilson, W. A. & Son, 1215 Main

WISCONSIN.

ANTIGO—Brehmer, A. F.
Clements, David
APPLETON—Cotter, Jas. W.
Marston Bros. Co.
ASHLAND—Ashland Lime, Salt & Cement Co.
BARABOO—Johnston, H. M. Lbr. Co.
BAYFIELD—Boutin, F.
BEAVER DAM—Roedl & Jacobs
BELOIT—Beloit Lumber Co.
Keeler Lumber & Fuel Co.
BLACK EARTH—Michelson, A. A. & Co.
BLACK RIVER FALLS—Black River Falls Lbr. & Mercantile Assn.
BOSCOBEL—Ruka Bros. Mfg. Co.
BRANDON—Brown, H. L.
BURLINGTON—Wilbur Lumber Co.
CEDARBURG—Jochem, Wm. P.
CHIPPEWA FALLS—Clark Grain & Fuel Co.
Coleman, H. B. (Ltd.)
Theriault, J. B.
EAU CLAIRE—Evans-Lee Co.
Lang Construction Co.
FOND DU LAC—Moore & Galloway Lumber Co.
FORT ATKINSON—Wilcox Lumber Co. (Ltd.)
Zengner-Hoffman Lumber Co.
FOUNTAIN CITY—Roettiger, H. & F.
GRAND RAPIDS—Bossert Bros. & Co.
GREEN BAY—Barkhausen, Henry A.
Flatley Bros. & Co.
Mueller, Henry & Co.
Murphy Lumber Co.
HARTFORD—Grimm, John A.
HAYWARD—North Wisconsin Lumber & Mfg. Co.
HONEY CREEK—Wilbur Lumber Co.
JANESVILLE—Fifield Bros. Lumber Co.
Schaller & McKey Lumber Co.
Shearer, James
JUNEAU—Sette & McCollow
KAUKAUNA—Kaukauna Lbr. & Mfg. Co.
Lindauer, L.
KENOSHO—Burr, R. H.
LA CROSSE—Colman, C. L. Lumber Co.
Hart, H. C. Implement Co.
Johnson, W. W. Lumber Co.
North Side Lumber Co.
Sobkowiak, Frank
Stroeh, Jos.
LAKE GENEVA—Durkee, F. M.
Wilbur Lumber Co.
MADISON—Capitol City Fuel Co.
Castle & Doyle
Conklin & Son
Cooley, C. F.
Ratzke, W. J.
MANAWA—Little Wolf River Lumber Co.
MANITOWOC—Johnson, J. G. Co.
Manitowoc Building Supply Co.
Manitowoc Clay Product Co.
Manitowoc Land & Fuel Co.
MARINETTE—Hamilton & Merryman Co.
Ludington, N. & Co.
Ludtke, John C.
Lyons Bros. & Co.
Merryman, R. W. & Co.
MENASHA—Plummer, H. H.
MILTON—Saunders, T. A.
MILWAUKEE—Berthelet, H. Sewer Pipe Co.
Bond & Sarnow Co., 33d & Vliet
Burnham Brick & Supply Co.
Chicago Brick & Supply Co., 204 Grand av
Consolidated Cement & Supply Co.
Hinners Lime Co.
Illinois Leather Co. (Plastering Hair), 715 Canal
Kuenzli, Henry & Co.
Lannon Lime & Stone Co.
Lund, Geo., 336 S Water
Mayer, Daniel, 469 3d
Milwaukee Building Supply Co.
Milwaukee Concrete & Supply Co.
Milwaukee Falls Lime Co., Humboldt av & Commerce
Milwaukee Sand & Gravel Co.
Pipkorn, W. H. & Co., 417 11th av
Reiske, Albert J.
Ricketson & Schwarz (Brick, Terra Cotta, etc.), University bldg
Silica Brick & Stone Co.
Tews Bros.
Waukesha Lime & Stone Co., 1211 Humboldt av.
Western Lime & Cement Co., Pabst bldg
MONROE—Becker, Wm. A.
Dodge Lumber Co.
OSHKOSH—Cook & Brown Lime Co.
Gould Mfg. Co.
Hollister, Amos & Co.
Kusche, Edw.
Radford Bros. Co.
PLYMOUTH—Kuster & Paasch
PORTAGE—Mohr, C. F.
RACINE—Fox Lime & Stone Co.
Horlick Lime & Stone Co.
RHINELANDER—Brown Bros. Lumber Co.
Queal, J. H. & Co.
Robbins Lumber Co.
RICHLAND CENTER—Krouskop, A. H.
RIPON—Barnett & Anderson
Horner & Middleton
SAUK CITY—Lachmund Lumber & Coal Co.
SEYMOUR—Miller & Piehl

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SHEBOYGAN—Sheboygan Lime Works
SPRINGFIELD—Wilbur Lumber Co.
SUPERIOR—Dixon & Lowry
Superior Mfg. Co.
TWO RIVERS—Gesell, John
WATERTOWN—Tetzlaff, H.
WAUKESHA—Palmetier & Abell Lumber Co.
Palmetier & Abell Lumber Co.
Wilbur Lumber Co.
WAUSAU—Barker & Stewart Lumber Co.
Curtis & Yale Co.
Stewart, Alexander Lumber Co.
WESTFIELD—Cochrane, T. H. & Co.

WYOMING.

LARAMIE—Holliday, W. H. Co.

Mast Arms (Arc Lamp, Etc.)

Ajax Lime Material Co. ("Jumbo"), 12 South Jefferson, Chicago, Ill.
Brady, T. H., New Britain, Conn.
Buffalo Specialty Co. ("Duplex"), Buffalo, N. Y.
Creaghead Engineering Co., Cincinnati, O.
Cutter, Geo. W. Co. ("Cutter's"), South Bend, Ind.
Davis, M. & Sons, Salem, O.
Electric Railway Equipment Co., 1938 W 8th, Cincinnati, O.
Fort Wayne Electric Works, Fort Wayne, Ind.
Fletcher Mfg. Co., Dayton, O.
Lundin Electric & Machine Co., Boston, Mass.
Pettingell, Andrews Co. ("Philbrick"), Boston, Mass.
Philadelphia Electrical & Mfg. Co. ("Pemco." Made from Pipe), 1282 N 31st, Phila., Pa.
Russell Elec. Mfg. Co., Providence, R. I.
Walls, C. W. & Co., Worcester, Mass.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

*Masts & Spars

BOSTON-OREGON MAST CO., 131 Coleridge, East Boston, Boston, Mass. (See adv. index, end of book)

Match Mfrs.

Budde & Westerman ("Triangle" Brand Importers Safety), 50 Vesey, New York
Cohen, Cassell & Son, 80 Greenwich av., New York
Consumers' Match Co., Passaic, N. J.
Diamond Match Co., 56 Michigan av., Chicago, Ill.
Gelberg, Leopold (Wax), 46 Essex, New York
Hubter, John T., Evergreen, N. Y.
Illinois Match Co., Joliet, Ill.
Indiana Match Co., Crawfordsville, Ind.
Merkle-Wiley Broom Co., Paris, Ill.
Metropolitan Match Co., San Francisco, Cal.
Michigan Match Co., Detroit, Mich.
Ohio Match Co., Bellefonte, Pa.
Progress Match Co., 314 E. Houston, New York
Reliable Match Co., Ashland, Ohio
Saginaw Match Co., Saginaw, Mich.
Sweden-American Match Co., 230 W. 4th, Cincinnati, Ohio
Union Match Co., Duluth, Minn.
Zan Bros. (Inc.), Portland, Ore.

Matchers

(See also Planers & Matchers)

American Wood Working Machine Co., Rochester, N. Y.
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Chase Turbine Mfg. Co. (Power Feed Matchers, with Glue Pot & Press), Orange, Mass.
Cordesman, Meyer & Co., Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Indiana Machine Works Co., Ft. Wayne, Ind.
Lane Mfg. Co., Montpelier, Vt.
Smith, H. B., Machine Co., Smithville, N J
Woods, S. A. Machine Co., Boston, Mass.

Mats (Leather Rolling)

National Mat. & Belt Co. (for Cars, Elevators, Schools, Hospitals, etc.), Frankford, Phila., Pa.
New York Leather Belting Co., 51 Beekman, New York (Hinged by Wire Rod)
Page Belting Co., Concord, N. H.

Mats (Rubber)

(See Mats & Matting, Rubber)

Mats (Steel Corrugated)

Toffler, S., Co. (Inc.) (Galvanized), 145th & So. Boul., New York

Mats (Steel Wire)

(See Mats & Mattings, Steel Wire)

Mats (Stove)

Keasbey & Mattison Co. (Asbestos), Ambler, Pa
Toffler, A. (Steel & Wooden), 725 1st av., New York

Mats (Street Car)

(See also Other Mat Classifications)

Barney & Smith Car Co. (Wooden), Dayton, Ohio
CARY MFG. CO. ("Cary," Flexible Steel), 19 Roosevelt, New York. (See adv. index, end of book)
Eichman, Martin & Co. ("Lewis" Wooden, also for Hotels, Elevators, etc.), 250 Lorimer, Brooklyn, N. Y.
National Mat & Belt Co. (Flexible Link, Rolling, Leather, Rubber or Steel), Frankford, Phila., Pa.
Toffler, S. Co. (Inc.) (Wooden Folding, etc.), 145th & So. Boul., New York

Mats (Switchboard)

Consumers' Rubber Co. ("Euclid"), Cleveland, Ohio
Massachusetts Chemical Co., Walpole, Mass.

Mats (Wire Table)

Lloyd Mfg. Co., Minneapolis, Minn.

Mats (Wood Rolling)

(See also Mats, Street Car)

Toffler, S. Co. (Inc.), 145th & So. Boul., New York

Mats & Matting (Cocoa)

Darragh & Small (Calcutta & Domestic), 177 Water, New York
East India Mfg. Co., Baltimore, Md.
Kempf, Geo. F. & Bro., 1027 N 4th, Phila., Pa.
McCabe, Benj., & Bro., 37 E. 18th, New York
Planet Mills Mfg Co. (Jute Matting), 335 Carroll, Brooklyn, N. Y.
Rancocas Mills ("Diamond J. D."), Trenton, N. J.
State Penitentiary Jute Mill (Jute Matting), Walla Walla, Wash.
Western Penitentiary, Pittsburg, Pa.
Wild, Jos. & Co., 11 Thomas, New York

Mats & Matting (Rattan, Etc.)

Heywood Bros. & Wakefield Co., Gardner, Mass.

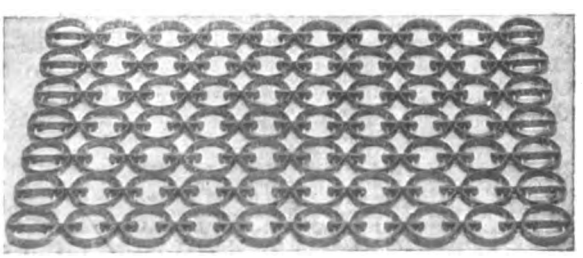
Mats & Matting (Rubber)

(See also Tile, Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
Ajax-Grieb Rubber Co., Trenton, N. J.
B. & R. Rubber Co., North Brookfield, Mass.
BOSTON BELTING CO., 256 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Cambridgeport, Mass.
Consolidated Rubber Co., Trenton, N. J.
Crescent Belting & Packing Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Empire Rubber Mfg. Co., Trenton, N. J.
Federal Rubber Co., Cudahy, Wis.
Goodrich, B. F., Co., Akron, O.
Gutta Percha Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hartford Rubber Works Co., Hartford, Conn.
Home Rubber Co., Trenton, N. J.
International Rubber Co., Milltown, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York
Milford Rubber Works, Milford, Ill.
Morgan & Wright (Inc.), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
National Mat & Belt Co. (Rubber, Link & Corrugated Rubber Block), Frankford, Phila., Pa.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
N. Y. Rubber Co. (Corrugated Matting), 84 Reade, New York
PENNSYLVANIA RUBBER CO. (Corrugated, Cuspidor, Bath Tub, Perforated, Pebble, Pressed, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
Peerless Rubber Mfg. Co., 16 Warren, New York
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., 77 Bedford, Boston, Mass.

CARY'S EVERLASTING FLEXIBLE STEEL MAT

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Stokes, Jos. Rubber Co., Trenton, N. J.
Thermoid Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Waterbury Rubber Mfg. Co., 75 Warren, New York
Western Rubber Works (Door & Small Mats Only), Goshen, Ind.

Mats & Matting (Steel)

ACME STEEL GOODS CO. ("Acme" Flexible Reversible Steel Mats), 2834 Archer av., Chicago, Ill.; 147 Lafayette, New York, & Empire Bldg., Atlanta, Ga. (See adv. index, end of book)
Braun Mfg. Co., Pittsburg, Pa.
CARY MFG. CO. ("Cary," Everlasting Flexible), 19 Roosevelt, New York. (See adv. index, end of book)
Hamblin & Russell Mfg. Co. (Elastic Steel Door Mats), Worcester, Mass.
Keystone Wire Matting Co., Beaver Falls, Pa.
Glen Mfg. Co. ("Hartman" Flexible), Ellwood City, Pa.
National Mat & Belt Co. (Flexible Link Rolling, Galvanized), Frankford, Phila., Pa.
Queen Mfg. Co., Webster City, Ia.
Sleeth Mfg. Co. (Flexible), Belleville, N. J.
SMITH, F. P. WIRE & IRON WORKS (Flexible, Flat Steel), 100 Lake, Chicago, Ill. (See adv. index end of book)

Mats & Matting (Steel Wire)

Buffalo Wire Works Co., 816 Terrace, Buffalo, N. Y.
East, Ray B. & Co., Marshalltown, Ia.
Glen Mfg. Co. ("Hartman" Flexible), Ellwood City, Pa.
Keystone Wire Matting Co., Beaver Falls, Pa.
Lloyd Mfg. Co., Minneapolis, Minn.
Ludlow-Saylor Wire Co., St. Louis, Mo.
National Mat & Belt Co., Real Estate Trust Bldg., Philadelphia, Pa.
Pratt, Wm. E. Mfg. Co., 91 Lake, Chicago, Ill.
Standard Wire Co. (Jonas Kaufman, Prop.), New Castle, Pa.
U. S. Wire Mat Co., Decatur, Ill.
Williams, Geo. A., & Sons ("Keystone," Flexible), 85 Fulton, New York
Wire Goods Co. ("Elastic" Steel Door Mats), Worcester, Mass.

Matting (Electric Floor)

Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Western Electric Co., 250 S Clinton, Chicago, Ill., & 57 Bethune, New York

Matting (Grass)

American Grass & Twine Co. ("Crex"), 377 B'way, New York
Oshkosh Grass Matting Co., Oshkosh, Wis.

Matting (Insulating)

(See Mats, Switchboard)

Matting (Street Car)

(See Mats, Street Car)

Mattocks

American Axe & Tool Co. (Adze Eye Pick, etc.), Glassport, Pa., & 253 B'way, New York
Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.
Cronk & Carrier Mfg. Co. (Garden, etc.), Elmira, N. Y.
Iron City Tool Works (Adze Eye), 32d & Smallman, Pittsburg, Pa
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Mack & Co., Rochester, N. Y.
Oliver Steel & Iron Co. (Pick & Long & Short Cutter), Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. (Adze Eye, etc., "Cheswick"), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Fkd. Phila., Pa.
Warwood Tool Co., Wheeling, W. Va.
Weston, Thos. B., Baltimore, Md.

Mattocks (Asphalt)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Klein-Logan Co. (Long & Short Cutter), S. 13th & Breed, Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Mattress Manufacturers' Supplies

Wayman & Wood Co., 1227 West Carson, Pittsburg, Pa.

Mauls (Coal)

Beall Bros. (Inc.) (Long & Short), Alton, Ill.

Mauls (Post)

Barber Mfg. Co., Ashtabula, O.
Gowanda Agricultural Works, Gowanda, N. Y.
Lyon Iron Works, Greene, N. Y.
Munnsville Plow Co. (Also Stone Breaking), Munnsville, N. Y.
Patten & Stafford Co., Canastota, N. Y.
Sovereign, C. E. Co. (Handled), Rockford, Ill.
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Western Foundry & Sash Weight Co., 150 Miller, St. Louis, Mo.

Mauls (Railroad or Spike)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Billings & Spencer Co., Hartford, Conn.
Beall Bros. (Inc.), Alton, Ill.
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Hammond, C. & Son, Ogonts, Pa.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Mack & Co., Rochester, N. Y.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette (Inc.), Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Vaughn & Bushnell Mfg. Co., 875 W Carroll av, Chicago, Ill.
Verona Tool Works, Murtland bldg, Pittsburg, Pa., & Verona, Pa.
Warwood Tool Co., Wheeling, W. Va.

Mauls (Rawhide)

Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.

Mauls (Ship or Top)

Atha Tool Co., Newark, N. J.
Black, John B., Chester, Pa.
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Hammond, C. & Son, Ogonts, Pa.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, Pittsburg, Pa.
Klein-Logan Co. (Solid Cast Steel), S 13th, Pittsburg, Pa.
Mack & Co., Rochester, N. Y.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette (Inc.), Frankford, Phila., Pa.
Vaughn & Bushnell Mfg. Co., 875 W Carroll av Chicago, Ill
Verona Tool Wks., Murtland bldg, Pittsburg, Pa., & Verona, Pa
White, L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

Mauls (Woodchoppers')

Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Hammond, C. & Son, Ogonts, Pa.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, Pittsburg, Pa.
Klein-Logan Co. (Solid Cast Steel), S 13th & Breed, Pittsburg, Pa.
Lehr Agricultural Co., Fremont, O.
McINNES STEEL CO. (Ltd.), Corry, Pa. (See adv. index, end of book)
Pittsburg Tool & Drop Forge Co. ("Cheswick") Cheswick, Pa
Swett, A. L. Iron Works (Cast Iron), Medina
Warwood Tool Co., Wheeling, W. Va. N. Y.

Mauls (Wooden)

Doscher Plane & Tool Co. (Boilermakers & Hickory, Iron Ring, etc.), Saugatuck, Conn.
Hellenberg & Son (Plumbers' & Well Drillers'), Coldwater, Mich.
HILL & GRIFFITH CO. (Foundry)), Cincinnati, O. (See adv. index, end of book)
Pittsburg Shovel Co. (Hickory, with Heavy Iron Rings), Frick bldg, Pittsburg, Pa. Works: Leechburg, Pa.
Tatem, J. B. & Son (Heavy), Putnam, Conn.
Woodstock Hardwood & Spool Mfg. Co., Charleston, S. C.

*Mausoleum Doors & Gates

(See also Bronze Doors)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
VULCAN CO. (Bronze & Iron), Detroit, Mich. (See adv. index, end of book)

*Mausoleums (Granite & Marble)

(See also Granite Building Work. Cutters & Contractors; also Marble Exterior Work; also Marble Interior Work)

PENNA. MARBLE & GRANITE CO., Penna. bldg., Phila., Pa. (See adv. index, end of book)

Meal (Polishing)

Peckham Mfg. Co., Newark, N. J.

*Measures (U. S. Standard)

WILSON, F. CORTEZ, & CO. (Tin, Copper & Galvanized Iron), 239 Lake, Chicago, Ill. (See adv. index, end of book)

Mechanical Draft

American Blower Co., Detroit, Mich.
Broomell, Schmidt & Steacy Co., Inc. (Induced Draft Fans), York, Pa.
Buffalo Forge Co., Buffalo, N. Y.
Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West Street bldg., New York
Hartford Blower Co. (Forced & Induced), Hartford, Conn.
Luce, Chas. T. Co. ("Kelly" System), 160 Congress, Boston, Mass.
McPherson, W. G. Co., Portland, Ore.
National Blower Works, Milwaukee, Wis.
New York Blower Co., 25th pl & Stewart av, Chicago, Ill. Factory: Bucyrus, O.
Parson Mfg. Co. ("Parson" System), 320 B'way, New York
Sturtevant, B. F. Co., Hyde Park, Mass.

Mechanical Engineers

(See Engineers (Civil, Mechanical & Mining)

*Mechanical Indicators for Elevators

ELEVATOR SUPPLY & REPAIR CO., 76 W Monroe, Chicago, Ill.; 114 Liberty, New York, & 593 Market, San Francisco, Cal. (See adv. index, end of book)

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*Mechanical Parts

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Mechanical Schools

(See Engineering Schools & Colleges)

Mechanical Stokers

(See also Furnaces, Smokeless)

American Ship Windlass Co. ("Taylor" Underfeed), Providence, R. I.
American Stoker Co. ("Automatic"), 11 B'way, New York. Foundry, Erie, Pa.
Babcock & Wilcox Co., 85 Liberty, New York
Box, Alfred & Co., 813 N Front, Phila., Pa.
Brightman Furnace Co., 2570 B'way, Cleveland, Ohio
Barnett, Oscar, Foundry Co. ("Universal" Automatic Smokeless Traveling Chain Grate), Newark, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
Crowe Stoker Co. ("Crowe" Pressed Steel Grate Bars), 47 Montgomery, Jersey City, N. J.
Detroit Stoker & Foundry Co., Detroit, Mich.
Duluth Stoker Co. (A. B. Wolvin, Pres.), Duluth, Minn.
Erie Foundry Co. ("Erie"), Erie, Pa.
Green Engineering Co. (Automatic Traveling Link Grate), Commercial Nat'l Bank bldg., Chicago, Ill.
Hamler Boiler & Tank Co. ("Little Giant"), 3906 S. Halsted, Chicago, Ill.
Harrisburg Foundry & Machine Works ("Ross"), Harrisburg, Pa.
Hawley Down Draft Furnace Co., Superior, c Townsend, Chicago, Ill.
International Stoker Co., 181 La Salle, Chicago, Ill.
Lehigh Stoker Co., Fullerton, Pa.
Little Giant Stoker Co., 3906 S Halsted, Chicago, Ill.
Locomotive Stoker Co., 204 Dearborn, Chicago.
Model Stoker Co. ("Model" Automatic Smokeless), Dayton, Ohio
Murphy Iron Works, Detroit, Mich.
Ridgway Mfg. Co. ("Elliott"), Ridgway, Pa.
Rosedale Foundry & Machine Co. ("Playford" Chain Grate Stoker), Allegheny, Pa.
S. & S. Automatic Grate Co. (Automatic), 59 Indiana, Chicago, Ill.
Sarco Fuel Saving or Engineering Co., 90 West New York
Under Feed Stoker Co. of America ("Jones" Underfeed), 837 Marquette bldg, Chicago, Ill.
WESTINGHOUSE MACHINE CO. ("Roney"), Westinghouse Bldg., Pittsburg, Pa. (See adv. index, end of book)
Wilkinson Mfg. Co. ("Wilkinson" Automatic), Bridgeport, Pa.

*Medals

AMERICAN RAILWAY SUPPLY CO., 26 Park Place, New York. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Megaphone Mfrs.

Crane Bros., Westfield, Mass.
Miller, J. G. (Card-Board Megaphones for Advertisers), 112 N 14th, Louisville, Ky.
Merriman Bros., 696 E. 1st, S. B., Boston, Mass.
Pratt, Z. I. Co., 158 W 27th, New York

Memorial Windows

Benziger Bros., 38 Barclay, New York
Bryant Bros., Columbus, O.
Butterworth, Thos. C., 15 Polk, San Francisco, Cal.
California Art Glass Works, San Francisco, Cal.
Century Stained Glass Works (Ltd.), 212 S 11th, Phila., Pa.
Church Art Work Co., 151 E 18th, New York
Colgate Art Glass Co., 8 Gansevoort, New York
Crowninshield, Fredk., 42 W 18th, New York
Dayton Art Glass Wks., Dayton, Ohio
Decorative Glass Co., 3248 Chestnut, Phila., Pa.
Decorative Stained Glass Co., 46 Washington sq. S, New York
Dougherty, James, 435 W B'way, New York
Dukes, Henry Glass Works (T. W. Tulton, Prop.), 2129 Market, Phila., Pa.
Eberhardt, Hugo & Co., 1148 W 12th, Chicago, Ill.
Flagg, L. G. & Co., Sudbury bldg, Boston, Mass.
Flanagan & Biedenweg Co., 68 Illinois, Chicago, Ill.
Ford Bros., Minneapolis, Minn.
Godwin, Albert, 1343 Arch, Phila., Pa.
Grimm, A. C., 155 E 23d, New York
Haskins Glass Co., Rochester, N. Y.
Hausletter, J. & Co., 173 Atlantic av, Brooklyn, N. Y.
Heinigke & Bowen, 24 E 13th, New York
Hooker, H. M. Co., 120 Wash'n, Chicago, Ill.
Janes, Walter, 138 W 42d, New York
Kerwin, E. F., Ornamental Glass Co., 925 N 6th, St. Louis, Mo.
Lamb, J. & R. (Inc.), 25 6th av, New York
Louisville Art Glass Co., Louisville, Ky.
Mackay & Co., Los Angeles, Cal.
Maginn, Charles, 17 E 14th, New York
Mayer & Co., 47 Barclay, New York
Morgan Bros., 707 Gates, Brooklyn, N. Y.
Morgan, John & Sons, 32 E 9th, New York, & 17 Union av, Brooklyn, N. Y.
Munich Art Glass Co., 510 Turk, San Francisco, Cal.
O'Halloran's, Thos. Sons, 127 Van Buren, Newark, N. J.
Passarge, Albert, & Co., 338 Gates av., Brooklyn
Payne, Geo. Hardy, Paterson, N. J.
Petgen Glass Co., Hamilton & 5th ave., Pittsburg, Pa
Quaker City Stained Glass Works, 1407 Vine, Phila., Pa.
Rae, G., & Co., 436 W B'way, New York
Redding, Baird & Co., 83 Franklin, Boston, Mass.
Reith, Wm., 134 N 7th, Philadelphia, Pa.
Richardson, H. H. & Co., Jacksonville, Pa.
Righter & Kolb, 156 5th av, New York
Riordan, G. C. & Co., 133 E 5th, Cincinnati, Ohio
SCHULER-MUELLER CO., 250 W Kenzie, Chicago, Ill. (See adv. index, end of book)
Sellers, Benjamin, 80 Bible House, New York
Spence, Bell & Co., 90 Canal, Boston, Mass.
Spiers, Richard N., 559 6th av, New York
Stevens Art Glass Co., Dayton, O.
Stoltzenberg Co., 51 Barclay, New York
Summers, Charles, 239 Nassau, Brooklyn, N. Y.
Tiffany Studios, 347 Madison av, New York
Van Horn, Daniel, Art Glass Works, Milwaukee, Wis.
Von Gerichten Art Glass Co., Columbus, O.
Wallis, A. H., 2000 Locust, St. Louis, Mo.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.
Wood Glass Co., Syracuse, N. Y.

Mercurial Heat Generators

Honeywell Heating Specialty Co. ("Honeywell"), Wabash, Ind.

Merry Go-Rounds

(See Carousels, Organs, Etc.)

*Metal (Acid Proof)

LAWRENCEVILLE BRONZE CO. (for Tin Plate Machinery), 31st & Penn av., Pittsburg, Pa. (See adv. index, end of book)

*Metal Bridging for Joist & Studding

BOSTWICK STEEL LATH CO., Niles O. (See adv. index, end of book

Metal Ceilings

(See Ceilings, Sheet Steel)

Metal (Compressed)

Chase Rolling Mill Co., Waterbury, Conn.

*Metal Corners for Concrete Blocks, Etc.

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

*Metal (Extruded)

MERCHANT & EVANS CO. (Inc.) (Angles, Channels, Rods, etc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Metal Furring

(See Furring & Lathing, Iron)

Metal (Igniter Point)

Strelinger, Chas. A., Co. ("Casalloy") Detroit, Mich.

*Metal Importers & Exporters

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Metal (Monel)

American Sheet & Tin Plate Co., Pittsburg, Pa.
Orford Copper Co., 43 Exchange pl, New York

Metal Novelties ("Nicolene")

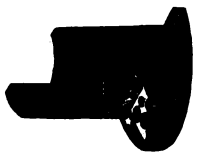
National Sheet Metal Co., Peru, Ill.

Metal Novelties & Specialties

Acorn Brass Mfg. Co. (Stamped, Turned, Spinning & Drawing), 203 Fulton, Chicago, Ill.
Aluminum Mfg. Co. (Aluminum), Two Rivers, Wis.
American Enamel Co., Providence, R. I.
American Pin Co. (Stamped & Spun Turned, from Rod, etc.), Waterbury, Conn.
Baker & Co. (All Kinds Platinum Work), Newark, N. J.
Barrows Lock Co., Lockport, Ill.
Bronson, Homer D., Co. (From Brass, etc.), Beacon Falls, Conn.
Buescher Band Instrument Co. (Sheet Brass & Aluminum, in Casting, Stamping, Turning or Plating), Elkhart, Ind.
Chamberlain, J. H. D. Co., 275 Main, Springfield, Mass.
CHANDLER CO., Springfield, Mass. (See adv. index, end of book)
Chelsea Mfg. Co., Chelsea, Mich.
Clark Novelty Co. (Made from Brass & Steel Rods, etc.), Rochester, N. Y.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Cook, H. C. Co., Ansonia, Conn.
Crosby Co. (Sheet Metal Stamping & Drawing), 171-189 Pratt, Buffalo, N. Y.
Domestic Novelty Co., Newark, N. J.
Florence Mfg. Co. (Aluminum Brushes, etc.), Florence, Mass.
Fargo, E. A. Co. (Aluminum, etc.), Taunton, Mass.
Gaynor & Mitchell Mfg. Co. (Special Sheet Metal Goods), Bridgeport, Conn.
Globe Machine & Stamping Co., Cleveland, O.
Goertz, Aug., & Co. (Fancy Metal Goods), Newark, N. J.
Goodwin & Kintz Co. (From Brass, Aluminum, Nickel, etc.), Winsted, Conn.
Grammes, L. F., & Sons (Wrought Brass, etc.), Allentown, Pa.
Havell Mfg. Co. (Gilt, Silvered, Nickel Plated, Brass, Steel & Enameled), 284 Wash'n, Newark, N. J.
Illinois Pure Aluminum Co. (Aluminum Combs, Hair Pins, Thimbles, etc.), Lemont, Ill.
Keyes-Davis Co. (Ltd.), Battle Creek, Mich.
Lockwood Co., Newark, N. J.
McKenna Bros. Brass Co. (Ltd.), Pittsburg, Pa.
Manitowoc Aluminum Novelty Co. (Aluminum Novelties & Combs), Manitowoc, Wis.
Mergott, J. E., Co. (Fancy Metal Goods), Newark, N. J.
Metal Furnishing Co., Union City, Conn.
Mossberg, Frank, Co. (Sheet Metal, Stamped & Punched), Attleboro, Mass.
Mossberg Wrench Co. (Sheet Metal Stampings), Central Falls, R. I.
Newark Sheet Metal Ware Co., 50 Elm, Newark, N. J.
New Jersey Aluminum Co. (Aluminum Souvenirs, Signs, Boxes, etc.), Newark, N. J.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Novelty Mfg. Co. (Brass Mounting & Trimmings), Waterbury, Conn.
Oakville Co. (Pins, etc.), Oakville, Conn.
O'Neill & O'Neill (Fancy Metal Goods), Newark, N. J.
Parke, Jno. Y. & Co. (Brass Goods for Hardware Trade), 728 Cherry, Phila., Pa.
Poeter, E., & Co. (Fancy Metal Goods), Newark, N. J.
Riley-Klotz Mfg. Co., Newark, N. J.
Salo Art Metal Co. (Etched, etc.), 19 Collier, Binghamton, New York
Sparks, Withington Co. (Sheet Metal), Jackson, Tenn.

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Success Mfg. Co. (Ash Sifters, Roof Flanges), Thompson, Mrs. Frank K. (Brass), Elkhart, Ind.
Torrington Mfg. Co. (Brass & Iron), Torrington, Conn.
Troy Stamping Works (Novelties), Troy, N.Y.
Turner Brass Works, Sycamore, Ill.
TURNER & SEYMOUR MFG. CO. (Of All Descriptions), Torrington, Conn. (See adv. index, end of book)
Union Novelty Mfg. Co. (Wood, Iron, Metal etc.), 1338 Charles, Indianapolis, Ind.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Watson-Porter-Watson Co. (Ltd.), Unadilla, Mich.
Waterbury Brass Goods Corporation (Made from Brass), Waterbury, Conn.

Metal Parts for Loose Leaf Devices

Shultz, W. J.-Tenacity Co., 116 Opera Place, Cincinnati, O.

Metal Polish

Adams & Elting Co. ("Meto Bright"), Chicago, Ill.
Adro Company ("Adro"), 31 Park Row, New York
Advance Packing & Supply Co. ("Advance") Chicago, Ill.
Acme Polish Co. ("Acme"), Pittsburg, Pa.
Allen, L. B. Co. ("Al-Lectro" for Metal & Glass), 1338 Columbia av, Chicago, Ill.
Allers, Harry A. & Co. ("Solarine"), 136 Liberty, New York
American Metal Polish Co. ("Silva-Putz," "Meyers," "Universal," Metal-Putz-Pomade), West Somerville, Mass.
American Oil & Disinfectant Co., 264 Pearl, New York
Arnstein, Eugene ("Shine-All"), 35th & Shields av, Chicago, Ill.
Auto-Bright Mfg. Co. ("Auto-Bright"), 36 John, Buffalo, N. Y.
Ayrolite Co. ("Ayrolite"), Pittsburg, Pa.
Bell Mfg. Co. ("Star," Liquid, Powder & Paste), St. Louis, Mo.
Brown Specialty Machinery Co. ("Aseptine"), Jackson boul & Clinton, Chicago, Ill.
Buffalo Specialty Co. ("Shinebright," Metal Liquid), 375 Ellicott, Buffalo, N. Y.
Cleaner Mfg. Co. ("Polishine," Liquid Paste & Powder), 2842 Olive, St. Louis, Mo.
Cleanola Co. ("Spe-De-Shyne"), Pittsburg, Pa.
Colgon Mfg. & Supply Co. ("Peerless"), 42 South, New York
Cross, W. H. ("Gilt Edge" Liquid, Paste & Powder & "Cross" Paste), 18 Franklin, Brooklyn, N. Y.
Edmonds, J. Wesley & Son ("Edmond's Electric"), 213 Franklin, New York
Fiebing Chemical Co. ("Fiebing" Lusterine), Milwaukee, Wis.
Grady Mfg. Co. ("Scouree," "U-No," "Puts," "Glittershine," "Army & Navy," "National," "Compound"), 614 W 39th, New York
Gramlich Chemical Co. ("Bar Boy's Friend"), Detroit, Mich.
Greene Mineral Paste Co., Keene, N. H.
Harris, A. W. Oil Co. ("Harris-Scouree"), Providence, R. I.
Harvey Chemical Co. ("Pride of the Bar Room" Powder, "Pride of the Housekeeper," "American" Liquid, Paste, "Superior Silver," "Majestic"), Lafayette, Ind.
Hassler, Owen C., Co. ("Hassler" Albright), 565 W. Fullerton av., Chicago, Ill.
Hatt, Chas. E., Polish & Chemical Co. ("Hatt's" Rubbing Polish), 388 Michigan av., Detroit, Mich.
Hinds & Coon ("Ruby-Rub"), 126 Pearl, Boston, Mass.
Hoffman, Geo. W. ("U. S." Infallible Paste, Powdered & Liquid, "Bar Keepers' Friend"), 549 E Washington, Indianapolis, Ind.
Hoffman, J. W. Co. ("Anchor"), 436 Atlantic av, Boston, Mass.
Hollingshead, R. M. Co. ("Electro-Shine"), Camden, N. J.
Hopkins, J. F. ("Bright Star"), 151 Varick, New York
International Metal Polish Co. ("Blue Ribbon"), 2142 N Capitol av, Indianapolis, Ind.
Ives Polish Co. ("Ives' Flashlight"), 108 Fulton, New York
Johnston, Wm. T., Co. ("Moonshine Brand"), Cincinnati, Ohio
Kimball, C. M., Winthrop, Mass.
Kortum Mfg. Co. ("Zircon"), Buffalo, N. Y.
Landers, Frary & Clark ("L. F. & C." Cleaning & Polishing Powder for Gold, Silver Plated Ware, etc.), New Britain, Conn.
Matchless Metal Polish Co. ("Mexoline" Liquid Non-Inflammable, "Matchless" Paste), 151 Varick, New York
Menham, Geo. S. & Co., East St, Louis, Ill.
Miller Bros. & Co. ("Sterling" Silver Polish & "Dazzler" Putty Liquid), 31 Jay, New York
Moore, E. C. & Sons Co. ("Moore"), Detroit, Mich.
Mutual Auto Accessories Co. of America ("Skidoo," "23" & Hand Soap), 1937 B'way, New York
National Tripoli Co. (Tripoli), Columbus, O.
National Cement & Rubber Mfg. Co. (Liquid), Toledo, O.
Oriental Rouge Co. ("Oriental" Rouges), Bridgeport, Conn.
Rath Mfg. Co. ("Imperial," "Staraline," "Swiss Shine," "Golden Sceptre," "High Shine"), Headley & Richmond, Phila., Pa.
Reid, W. W., Mfg. Co. ("Reid's" Putz), 79 Milk, Boston, Mass.
Sa-Mo Chemical Co. ("Sa-Mo," Liquid & Paste)
Rex Chemical Co. ("Crown," Liquid, Powder & Paste & "Diatom" Liquid & Powder), 842 W Balto., Baltimore, Md.
Schlegel, Oscar, Mfg. Co. ("Lustreine" Liquid), 111 E 12th New York
Sheppard, W. S. ("Prestoshine"), 21 Lawrence, Newark, N. J.
Silverdip Co. ("Silverdip"), 37 W 23d, New York
Solshine Mfg. Co. ("Solshine"), 204 Milk, Boston, Mass.
Sonneborn, L., Sons (Inc.), ("Amalia" Paste, Liquid & Non-Burning), 262 Pearl, New York
Steward, D. M. Mfg. Co. ("Stained" Powder for Cleaning & Polishing everything), Chattanooga, Tenn.
Tarbox Mfg. Co., New London, Conn.
Trafton, F. M., Co. ("Brilliant"), Boston, Mass.
Ulrich & Co. ("A-O. K.," "Raydo" Liquid & Dry), Buffalo, N. Y.
Utility Co., 636 W. 44th, New York
WALSH, JOHN F., CO. ("Ideal" Liquid & Paste), Pittsfield, Mass. (See adv. index, end of book)
Wilson Co. ("Wilson" Liquid), 18 B'way, New York. Works, Long Island City, N. Y.
Winn, Wm. R. ("Winn"), 143 Maiden Lane, New York. & Springfield, Mass.
Wright, J. A., & Co. ("Red Star" Powder), Keene, N. H.

Metal Sash & Mouldings

Anderton, Ralph L., 210 Grand, New York
CLASON ARCHITECTURAL METAL Works (Metal Sash Only) Works: 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
JONES, TREVOR F. & CO. (In Aluminum, Bronze, etc.), 374 W B'way, New York. (See adv. index, end of book)

Metal (Silver)

Empire Metal Co. (For Bright Galvanizing), Syracuse, N. Y.

Metal Surfacer

Peckham Mfg. Co. (For Dry Barrel Polishing), 244 South, Newark, N. J.
St. Louis Surfacer & Paint Co. ("Koons," "Metalsteel"), St. Louis, Mo.

Metal (Tungsten)

(See Ferro Alloys of Various Kinds)

*Metaline

NORTH AMERICAN METALINE CO., 4 West av., Long Island City, N. Y. (See adv. index, end of book)

Metallic Arsenic

Lehn & Fink, 120 William, New York

Metallic Sash Bars

Anderton, Ralph L., 210 Grand, New York
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Columbus Corner Post Co., Columbus, O.
Coulson, J. W., & Co., Columbus, O.
Detroit Show Case Co., Detroit, Mich.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Hester Mfg. Co. ("Hester"), Portland, Ore.
JONES, TREVOR F. & CO., 374 W B'way, New York. (See adv. index, end of book)

Trevor F. Jones. Henry H. Jones
Established 1883.
TREVOR F. JONES & CO.,
Manufacturers of
Metal Sash Bars and Mouldings for Store Fronts,
Covering of WoodWork in Aluminum, German Silver, Nickel, Brass, Bronze, Copper, etc.
374 West Broadway, New York City.
Tel. 2759 Spring.

MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
National Sheet Metal Co., Peru, Ill.
Phillips, John, & Co., Detroit, Mich.
Rochester Show Case Works, Rochester, N. Y.
Schultz, C. H., St. Joseph, Mo.
Volz Mfg. Co., St. Joseph, Mo.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

*Metals (Aluminum)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

Metals (Anti-Friction)

(See Babbitt Metal; also Bearings, Various Kinds)

*Metals (Antimony)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

*Metals (Antimonial Lead)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

*Metals (Bismuth)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

*Metals (Copper)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

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*Metals (Magnesium)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

*Metals (Manganese)

LEAVITT, C. W., & CO., 30 Church, New York. (See adv. index, end of book)

*Metals (Nickel)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Metals (Old)

(See Scrap Iron & Steel)

Metals (Platers)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Pilling Brass Co., Waterbury Conn.

Metals (Rare)

Tungsten & Rare Metals Co., Beaver Falls, Pa.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Victor Metals Co. (Non-Corrosive Silver Metal & Bronzes), East Braintree, Mass.

Meter Provers

American Meter Co., 561 47th, New York
McDonald, D. & Co., Albany, N. Y.
Maryland Meter Co., Baltimore, Md.
New York Improved Meter Co., 306 E. 47th, New York
Phoenix Meter Co., Camden, N. J.
PITTSBURG METER CO., East Pittsburg, Pa.
Standard Meter Co., 8th & Mifflin, Phila., Pa.

Meter Seals

Adjustable Clip Co. ("Peerless"), Columbus, Ohio
Columbus Meter Seal Mfg. Co. (For Gas & Water), Columbus, O.
Safety Meter Lock Co., Columbus, O.
Standard Appliance Co., Columbus, Ohio

Meters (Acetylene)

Frontier Gas Meter & Appliance Co., Buffalo, N. Y.
Griffin, John J. & Co., 1513 Race, Phila., Pa.
Keystone Meter Co., Royersford, Pa.
Maryland Meter Co., Baltimore, Md.

Meters (Auto)

(See Meters, Speed Indicating)

*Meters (Beer)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Meters (Cut)

Schuchardt & Schutte ("Cito" for Measuring Cutting Speed of Machine Tools), 90 West, New York

*Meters (Disc)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Meters (Distance Recording)

Bell Odometer Works ("Bell" Odometer), Oakmont, Pa.
Bullard, J. H. (Speedometer & Odometer combined), Springfield, Mass.
Chrono-Velocimeter Co., 1215 Filbert, Philadelphia, Pa.
Du Vivier, Ernest H., 30 Church, New York
Hoffecker Speed & Mile Register Co., Park Sq. Boston, Mass.
Lee Speedistimeter Co., Trenton, N. J.
Loring, E. J. (Speedometer & Odometer combined), Somerville, Mass.
Rollins Mfg. Co. (Speedometer & Odometer combined), Park sq. Boston, Mass.
Sibley & Pitman ("Abell"), 20 Warren, New York
Smith, R. H., Mfg. Co. (Speedometer & Odometer Combined), Springfield, Mass.
Stewart-Clark Mfg. Co., Chicago, Ill.
Veeder Mfg. Co. ("Veeder" Cyclometers, Odometers), Hartford, Conn.
Webb Mfg. Co., 60 Shipman, Newark, N. J.
Wheelock Motor Car Clock Co. (Speedometer & Odometer Combined), Tremont bldg., Boston, Mass.
Winchester Speedodometer Co., 1557 Broadway, New York
Wood Speedometer Co., 104 Sudbury, Boston, Mass.

Meters (Electric)

(See Wattmeters; also Ammeters & Voltmeters)

Meters (Frequency)

Holtzer-Cabot Electric Co., Brookline, Mass.

Meters (Fuel Gas)

American Meter Co., 561 W 47th, New York
Chaplin-Fulton Mfg. Co., Pittsburg, Pa.
Pittsburg Supply Co., 439 Water, Pittsburg, Pa.

Meters (Gas)

American Meter Co., 561 W 47th, New York
Cleveland Gas Meter Co., 2180 E. 65th, S. E., Cleveland, O.
Detroit Meter Co. ("Buhl"), Detroit, Mich.
Equitable Meter Co. ("Equitable" Dry), Pittsburg, Pa.
Gas Machinery Co. (Station), Citizens' bldg., Cleveland, O.
Griffin, J. J. & Co., 1513 Race, Philadelphia, Pa.
Helme & McIlhenny, 1239 Cherry, Philadelphia, Pa.
Keystone Meter Co., Royersfort, Pa.
La Porte Gas Meter Co., La Porte, Ind.
McDonald, D., & Co., Albany, N. Y.
Maryland Meter Co., Baltimore, Md.
Metric Metal Works, Erie, Pa.
N. Y. Improved Meter Co., 306 E. 47th, New York
Ohio Gas Meter Co., Cleveland, O.
Phoenix Meter Co., Camden, N. J.
PITTSBURG METER CO. ("Westinghouse" Gas & "Westinghouse" Proportional), East Pittsburg, Pa.
Rotary Meter Co. (Rotary Meter), 280 B'way, New York
Sprague Meter Co. (Cast Iron), Bridgeport, Conn.
Standard Meter Co., 8th & Mifflin, Phila., Pa.
Standard Meter & Mfg. Co., 521 W. 45th, New York
Tufts, Nathaniel, Meter Co., Boston, Mass.

Meters (Grade Indicating)

Adams' Co., Dubuque, Ia.
Motor Car Supply Co. ("Updown"), 1427 Michigan av, Chicago, Ill.
Sussfeld, Lorsch & Co., 37 Maiden Lane, New York
Willis, E. J. Co., 8 Park pl, New York

*Meters (Hot Water)

PITTSBURG METER CO., East Pittsburg, Pa.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Meters (Oil)

BOWSER, S. F., & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Buffalo Meter Co. ("The Niagara"), 290 Terrace, Buffalo, N. Y.
National Meter Co., 86 Chambers, New York
PITTSBURG METER CO., East Pittsburg, Pa.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Meters (Piston)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Meters (Pocket)

Atwater Kent Mfg. Wks. ("Keat" Electric), 120 N 6th, Phila., Pa.
Connecticut Telephone & Electric Co. ("Connecticut" for Testing Batteries), Meriden, Conn.
Robert Instrument Co. (Battery Testing), Detroit, Mich.

Meters (Photometer)

American Meter Co., 561 W. 47th, New York

Meters (Prepayment Gas)

American Meter Co., 561 W. 47th, New York
Cleveland Gas Meter Co., 2180 E. 65th, Cleveland, O.
Helme & McIlhenny, Phila., Pa.
Keystone Meter Co., Royersford, Pa.
McDonald, D., & Co., Albany, N. Y.
Maryland Meter Co., Baltimore, Md.
N. Y. Improved Meter Co., 306 E. 47th, New York
Phoenix Meter Co., Camden, N. J.
PITTSBURG METER CO., East Pittsburg, Pa.
Sprague Meter Co. (Cast Iron), Bridgeport, Conn.
Standard Meter & Mfg. Co., 521 W. 45th, New York

Meters (Proportional Gas)

Equitable Meter Co. ("Wylie"), Pittsburg, Pa.
PITTSBURG METER CO. ("Westinghouse"), East Pittsburg, Pa.

Meters (Speed Indicating)

(See also Indicators, Speed)

Bullard, J. H. (Speedometer, Odometer & Clock combined), Springfield, Mass.
Chicago Pneumatic Tool Co. ("Boyer"), Fisher bldg, Chicago, Ill.
Chrono-Velocimeter Co., The, 1213 Filbert, Phila., Pa.
Du Vivier, Ernest H., 30 Church, New York
Electric Speed Meter Co., The, 141 E 4th, Cincinnati, O.
Hicks Speed Indicator Co., 1263 Atlantic av, Brooklyn, N. Y.
Hoffecker Speed & Mile Register Co., Park sq. Boston, Mass.
Jones Speedometer Co. ("Jones"), 76th & B'way, New York
Jones, Wm. S. ("Lea" Speedmeter), 112 N Broad, Phila., Pa.
Lipman, Carl E. L., Beloit, Wis.
Loring, E. J. (Also Speedometers & Odometers Combined), Somerville, Mass.
Monitor Speed Recorder Co., 247 Pearl, Cambridge, Mass.
Motor Car Specialty Co. (Combination Speed Meter, Odometer & Clock), 143 E State, Trenton, N. J.
Nicholson Ship Log Co. ("Nicholson" for Motor Boats, Yachts, etc.), Cleveland, O.
Parker Mfg. Co., Boston, Mass.
Rollins Mfg. Co. (Combined Speedometers & Odometers), Park sq. Boston, Mass.
Smith, R. H. Mfg. Co. ("Springfield" Speedometer & Odometer Combined), Springfield, Mass.
Star Speedometer Co. ("Star"), Danville, Pa.
Uncas Specialty Co., 21-37 Shipping, Norwich, Conn.
Veeder Mfg. Co. ("Veeder Tachometer"), Sargeant & Garden, Hartford, Conn.
Warner Instrument Co. ("Warner" Auto-Meter), Beloit, Wis.
Webb Mfg. Co., 60 Shipman, Newark, N. J.
Wheelock Motor Car Clock Co. ("Wheelock" Speedometers & Odometers combined), Tremont bldg, Boston, Mass.
Winchester Speedodometer Co., 1557 Broadway, New York
Wood Speedometer Co., 106 Sudbury, Boston, Mass.

Meters (Station)

American Meter Co., 561 W. 47th, New York
Helme & McIlhenny, 1339 Cherry, Phila., Pa.
McDonald, D. & Co, ("Hinman" Station Meter Drum, Wet), Albany, N. Y.
Maryland Meter Co., Baltimore, Md.
Phoenix Meter Co., Camden, N. J.
Rotary Meter Co. (Rotary Meter), 280 B'way, New York
Standard Meter Co., 8th & Mifflin, Phila., Pa.
Tufts, Nathaniel, Meter Co., Boston, Mass

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Meters (Steam)

American District Steam Co. ("Holly & Simplex" Condensative), Lockport, N. Y.
Pearce, W. H. & Co. ("Crescent" Condensation), 200 Dearborn, Chicago, Ill.
St. John, G. C., 140 Cedar, New York
Sargent Steam Meter Co. ("Sargent"), 203 Dearborn, Chicago, Ill.

Meters (Test)

American Meter Co., 561 W 47th, New York
New York Improved Meter Co., 306 E 47th, New York
Phoenix Meter Co., Camden, N. J.
Standard Meter Co. (Portable), 8th & Mifflin, Phila., Pa.

*Meters (Turbine Water)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Meters (Water)

American Valve & Meter Co. ("Cincinnati" "Acorn"), Cincinnati, O.
Buffalo Meter Co. ("Improved Buffalo," "Niagara"), 290 Terrace, Buffalo, N. Y.
Builders' Iron Foundry ("Venturi"), Providence, R. I.
Desper, H. A. ("Reliance"), Worcester, Mass.
Hersey Mfg. Co. (Disc, Rotary & Torrent), 214 W 2d, Boston, Mass.
National Meter Co., 86 Chambers, New York
Neptune Meter Co., 90 West, New York
PITTSBURG METER CO. ("Eureka" & "Keystone"), East Pittsburg, Pa.
Sangamon Electric Co., Springfield, Ill.
Simplex Valve & Meter Co. ("Simplex" for Large Pipes), 112 N. Broad, Phila., Pa.
Standard Water Meter Co., 245 Robinson, Brooklyn, N. Y.
Thomson Meter Co., 79 Wash'n, Brooklyn, N. Y.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Mica

(See also Mica, Ground & Pulp)

American Mica Co. ("Micabeston"), Newton Lower Falls, Mass.
American Securities Corp. (Mica Mines), Keene, N. H.
Asheville Mica Co., Asheville, N. C.
Black Hills Mica Co., Auburn, N. Y.
Chicago Mica Co. ("Micabond"), Valparaiso, Ind.
Fitzgibbon Mica Co., Beverly, Mass.
Franckiyn & Ferguson (Electrical, Ground & Pulp), Cotton Ex. bldg, New York
Great Southern Mica Co., Cleveland, O.
Johns, H. W.-Manville Co. (Monided), 100 William, New York
Loos & Dilworth (Stained & Pulp), 134 S Front, Phila., Pa.
Mica Insulator Co. (Micanite), 68 Church, New York
Mica Mfg. Co., 307 W B'way, New York
Munsell, Eugene & Co., 68 Church, New York
National Gum & Mica Co. (Ground & Pulp, etc.), 502 W 45th, New York
North Carolina Mica Co., 84 North, Boston, Mass., & 45 E Lake, Chicago, Ill.
Plas Mica Co. (Soluble Mica), Yonkers, N. Y.
Preston, R. K. Co., Monadnock blk., Chicago, Ill.
Richmond Mica Co. (Ground, etc., Miners & Mfrs.), Richmond, Va.
Schoonmaker, A. O. (Importer), 221 Fulton, New York
Selling Company, (Inc.), 225 5th av, New York
Storrs Mica Co. (Headlight Chimneys, Lantern Globes, etc.), Owego, N. Y.
United States Mica Co. (Sheet, Ground, Electric Plate, Washers, Discs & Flake Lubricant), 238 La Salle, Chicago, Ill.
Vance, D. T., Plumtree, N. C.
Vance, T. B. (Ground), Plumtree, N. C.
Watson Bros., Boston, Mass.
Whittaker, W. H., 245 Front, New York

Mica Chimneys

(See Chimneys, Mica)

Mica (Ground & Pulp)

(See also Mica)

Atlas M. & M. Co., Lincoln, N. J., & 82 Pearl, New York
Loos & Dilworth, 134 S Front, Phila., Pa.
National Gum & Mica Co., 502 W 45th, New York
Richmond Mica Co. (Miners & Mfrs.), Richmond, Va.
United States Mica Co., 238 La Salle, Chicago, Ill.
Vance, T. B. (Ground), Plumtree, N. C.
Whittaker, W. H., 245 Front, New York

Mica Insulators

(See Insulators)

*Mica (Schist)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
RUTLAND FIRE CLAY CO. (Pulverised), Rutland, Vt. (See adv. index & branch offices, end of book)

Micrometers

Automatic Level Co. ("Hights," Grade Finder & Level), Toledo, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Costello, H. O. (Quick Adjusting), 87 Oakland av., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 138 4th av, New York. (See adv. index, end of book)
Massachusetts Tool Co. (Outside & Inside), Greenfield, Mass.
Olsen, Tinius, & Co., 500 N. 12th, Phila., Pa.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Schaeffer & Budenberg Mfg. Co. (For Measuring the Thickness of Paper, Cloth, etc.), 903 Kent av., Brooklyn, N. Y.
Slocomb, J. T. Co., 29 Oxford, Providence, R. I.
Smith, E. G. Co. ("Columbia"), Columbia, Pa.
STARRETT, L. S. CO. (Outside & Inside), Athol, Mass. (See adv. index & branch offices, end of book)
Syracuse Twist Drill Co., Syracuse, N. Y.

*Microscopes

QUEEN & CO. (Inc.), n. w. c 8th & Arch, Phila., Pa. (See adv. index, end of book)

Milk-Shakers

Erie Specialty Co., Erie, Pa.
Watkins, Jas. Y., & Son, 16 Catherine, New York

Mill Cogs

Bowsher, N. P. Co. (Wooden), South Bend, Ind.
Cover, H. S. (Dressed), South Bend, Ind.
Menasha Mfg. Co. (Hard Maple), Menasha, Wis.

*Mill White (Rice's)

U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)

Mill & Factory Supplies

(Firms indicated by a Star (*) Manufacture Belting also)

See also Belting & Belt Appliances.
Also Waste, Cotton & Wool
Also Gears.
Also Hangers.
Also Lubricating Oils & Greases
Also Machinery, Power Transmission.
Also Packing Mfrs., etc.
Also Pipe & Boiler Coverings.
Also Shafting.

For all other Mill & Engineers' Specialties, see Index of Contents.

ALABAMA.

ANDALUSIA—Benson Hardware Co.
ANNISTON—Anniston Supply Co.
BIRMINGHAM—Cairns-Piper Equipment Co.
Charlotte Supply Co.
Continental Gin Co.
Crane Co. (of Chicago, Ill.) Est., 1855. (See adv index, end of book)
Moore & Handley Hardware Co.
Yates, J. A. & Co.
McClary-Jennison Co. (Also Mine)
Young & E. Vann Supply Co. (Also Mine)
BRIDGEPORT—De Loach Mill Mfg. Co.
GADSDEN—Ewing Hardware Co. (Also Mine)
GREENVILLE—Henderson, C. C. Machine Co.
Johnson, J. F. Hardware Co.
MOBILE—American Supply Co.
Barney-Cavanaugh Hardware Co.
Cole, E. L.
Cunningham Hardware Co.
Mellett, Richard
Southern Hardware & Supply Co.
Standard Equipment Co.
MONTGOMERY—Alabama Machinery & Supply Co.
Barnett, G. W., Hardware Co.
Janney & Co.
Lum Machinery Co.
Snow-Tullis Hardware Co.
OPELIKA—Phillips, Yarbrough Hdwe. Co.
SELMA—Union Iron Works Co.
TALLADEGA—Michael Supply Co.

ARIZONA TERRITORY.

NOGALES—Roy & Titcomb (Inc.), (Also Mine)
PHOENIX—Thayer, Ezra W. (Also Mine
PRESCOTT—Hill, Samuel Hardware Co. (Also
TUCSON—Gardner, Worthen & Goss Mine)
Steinfeldt, Albert & Co. (Mine)

ARKANSAS.

CAMDEN—Camden Machinery & Mill Supply
DARDANELLE—Cox, Thos. Mfg. Co. Co.
FORT SMITH—Atkinson-Williams Hardware
Ayers & Co. Co.
Ketcham Iron Co.
Southwestern Mine & Mill Supply Co.
Speer Hdwe. Co. (Also Mine)
Webber-Ayres Hardware Co.
HELENA—Tappan Hardware Co.
HOPE—Hope Iron Works
LESLIE—North Ark. Supply & Machine Co.
Jones, Dudley E., Co.
LITTLE ROCK—Pones Bros. Hardware Co.
Jones, D. E. Co.
Rose-Lyon Hdwe. Co.
Rosenbaum, C. E. Machinery Co.
Wehrfritz, E. C. Machinery & Supply Co.
Wing & Stephens Co.
MAGNOLIA—Davis & Warnock
Davis & Warnock
PINE BLUFF—Dilley Foundry Co.
Fox Bros. Hardware Co.

CALIFORNIA.

ARCATA—Arcata Hardware Co.
BAKERSFIELD—**FAIRBANKS, MORSE & Co.**
CHICO — Diamond Match Co. (Engineering Dept.)
GRASS VALLEY—Biggs, Elam Hdw. Co. (Also Mine)
Grass Valley Hardware Co. (Also Mine), Noell Bd.
LOS ANGELES—Baker & Hamilton, 136 N Los Angeles
Boynton, H. R. Co. (Also Mine), 214 N Los Angeles
*Busch, A. H. Co., 150 N Los Angeles
Crane Co. (of Chicago), Est. 1855, 126 N Los Angeles
Ducommun, C. (Also Mine), 300 N Main
FAIRBANKS, MORSE & CO., 136 S Los Angeles. (See adv. index, end of book)
Henshaw, Bulkley & Co., 335 E Third
Pacific Coast Mfg. Co., 126 S Los Angeles
Smith-Booth-Usher Co., 214 S Los Angeles (Also Mine)
Union Hardware & Metal Co., 411 E. 1st
United Iron Works
Warren & Bailey Mfg. Co. (Belting, etc.), 350 N Main
Wigmore, John & Sons Co., 108 N Los Angeles
NEVADA CITY—Turner & Hadley Co. (Also Mine)
OAKLAND—Crane Co. (of Chicago), Est. 1855
Delanoy, F. W.
United Iron Works
PLACERVILLE—Meehan, M. Q. (Also Mine)
REDDING—McCormack-Saeltzer Co.
SACRAMENTO—Baker & Hamilton
Schaw-Batcher Co.
SAN FRANCISCO—Arnold Hdw. Co., 1442
Atkins, E. C. & Co., 21 Main
Baker & Hamilton, 433 Brannan
Berger, Carter & Co., 34 Beale
California Belting & Supply Co., 1425 Mission
California Saw Works
Cameron Bros. & Co. (Also Mine), 132 Market
*Cook, H. N. Belting Co., 317 Howard

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Crane Co. (of Chicago), Est. 1855, 1st & Howard
*Degan, L. P. Belting Co., San Francisco, Cal.
Dunham, Carrigan & Hayden Co. (Also Mine), 150 Kansas
FAIRBANKS, MORSE & CO., 158 1st. (See adv. index, end of book)
Garlock Packing Co.
Golden State & Miners' Iron Works, 237 1st
Graton & Knight Mfg. Co., 80 Fremont
Harron, Rickard & McCone (Inc.), 21 Fremont
Hendy, Joshua Iron Works, 63 Fremont
Henshaw, Bulkley & Co., 219 Spear
Horsford Bros., 107 Main
Marwedel, C. W., 258 9th
***New York Belting & Packing Co. (Branch of New York), 605 Mission**
Pacific Hardware & Steel Co., 7th & Townsend (Also Mine)
San Francisco Mill Furnishing Co., 142
Schaw-Batcher Co., 539 Mission First st
Taber-Biglow Co. (Inc.), 113 Main
United Iron Works
Wagner, Jos. Mfg. Co., 108 Mission

STOCKTON—Holt Mfg. Co.

COLORADO.

BLACK HAWK — Clark Hardware Co. (Also
BOULDER—Whiteley, M. S. Mine)
CRIPPLE CREEK—Cripple Creek Mine & Supply Co. (Also Mine)
DENVER—Dillon Hardware Co., 1525 15th
FAIRBANKS, MORSE & CO., 1600 17th. (See adv. index, end of book)
Garlock Packing Co.
Flint-Lomax Electric & Mfg. Co., 1400 Delgany
Hendrie & Bolthoff Mfg. & Supply Co., (Also Mine)
Holden Machinery & Supply Co.
Leyner, J. George Engineering Works Co.
Mine & Smelter Supply Co., 17th & Blake (Also Mine)
Montgomery, J. H. Machinery Co.
Morse Bros., Machinery & Supply Co.
Onderdonk Engineering Co., 406 17th
Scott Supply & Tool Co. (Also Mine), 1725 S.-H. Supply Co. Blake
Stearns-Roger Mfg. Co., 1724 California
OURAY—Arps Bros. Hardware Co. (also Mine & Smelter)
Carney Hardware Co. (Also Mine)
TELLURIDE—Tomkins-Cristy Hardware Co.

CONNECTICUT.

BRIDGEPORT—Hardware & Supply Co.
Hawley Hardware Co.
Hawley, Thomas & Co.
Hunter & Hovens
Lyon & Grumman
***Palmer, N. & Co.**
Winn, William R.
BRISTOL—**Shaffer, Frank A.**
Stedman & Co.
Weldon, S. A. & Son
DANBURY—**Hoyt, H. W. Co.**
General Supply Co.
DANIELSON—Jacobs, E. H. Mfg. Co. (Textile)
DERBY—**Hallock, F. Co.**
HARTFORD—**Bidwell, J. C. & Co.**
Blodgett & Clapp Co.
Clapp & Treat
Connecticut Rubber Co.
Ensworth, L. L. & Son
Francis & Co.
Hartford Mill Supply Co.
Plimpton & Hills Corporation
Tracy, Robinson & Williams Co.
MERIDEN—Casben, W. B.
Church & Morse
MIDDLETOWN—**Noxon & Whitney Co.**
NEW BRITAIN—**Abbe, A. H. & E. W.**
Mills, Herbert L.
Rapelye, George
NEW HAVEN—Bushnell, N. T. Co., 289 State
Coe & Brown, 202 George
Mersick, C. S. & Co. (Belting, Packing, etc.), 286 State
NEW LONDON—**Darrow & Comstock Co.**
Eaton & Wilson
Williams, Geo. M. Hardware Co.
NORWALK—Hubbell & Staples Hdwe. Co.
NORWICH—Brown, Robert
Carroll, G. W.
Eaton-Chase Co.
Norwich Belt Mfg. Co.
Preston Bros.
PUTNAM—Chandler & Morse
ROCKVILLE—Harris, C. E.
SEYMOUR—Seymour Lumber & Hardware
SOUTH NORWALK—Dow, Chas. E. Co.
SOUTH MANCHESTER—**Blish, F. T. Hdw. Co.**
STAFFORD SPRINGS—Brown & Pinney
STAMFORD—Davenport, John S. & Son
Wilson, James & Co.
THOMASTON—Welton, H. A.
TORRINGTON—Agard Hardware Co.
Morrison, W. H.
UNION CITY—**Page, J. M. & Co.**
WALLINGFORD—Dickerman Hardware & Supply Co.
WATERBURY—Daly, M. J. & Sons
Hamilton Hardware Corp.
Hotchkiss & Templeton
Wilson, D. B. Co.
WILLIMANTIC—Clark, Herbert T.
WINSTED—**Carroll, Jos. L.**
Dickerman & Pond Co.

DELAWARE.

WILMINGTON—**Ainsworth Covering Co.**
Atlantic Mill Supply Co.
Delaware Electric & Supply Co.
Industrial Supply Co.
Kent, Lindley C. Co.
McComb, Thomas, 209 Shipley
Reynolds, Wm. K., 201 Spring Alley
Speakman Supply & Pipe Co.
Wilson & Hudson Hdw. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Chesapeake Supply Co., 1009 Ninth st W.
Howard, Henry J. M., 915 E. N W
McCoy, Clarence E., 1523 Columbia
Mitchell, John, 1000 Pennsylvania av
National Electrical Supply Co., 1880 N. Y. av, N W

FLORIDA.

GAINESVILLE—Baird Hardware Co.
Thomas, S. J. Co. (Also Mine)
JACKSONVILLE—Atlantic Supply Co. (also Mine)
Christopher, John G.
Florida Hardware Co. (Inc.)
Georgia Supply Co.
Hubbard, S. B. Co. (Inc.)
Ploof, H. E. Machinery Co.
LIVE OAK—Hair Hardware Co.
OCALA—Marion Hardware Co. (also Mine)
PENSACOLA—Avery Hardware & Supply Co.
Gulf Machinery Works
Pensacola Iron Works & Supply Co.
ST. AUGUSTINE—Hamblen, C. F.
TAMPA—Cameron & Barkley Co.
Florida Gas Engine & Supply Co.

GEORGIA.

ALBANY—Albany Machinery Co.
Bacon Equipment Co.
AMERICUS—Sheffield-Huntington Co.
ATHENS—Union Mill Supply Co.
ATLANTA—Atlanta Supply Co., 29 S Forsyth
Beck & Gregg Hdw. Co., 64 Marietta
Cotton States Belting & Supply Co. (Railway, Mill & Mach'y Supplies)
Dunn Machinery Co.
General Supply Co.
Graton & Knight Mfg. Co., 98 S Forsyth
Lowry Co.
Maisby Co., 41 S Forsyth
Phenix Supply Co.
Southern Belting Co., 44 S Forsyth
AUGUSTA—**Lombard Iron Works & Supply Co.**
BRUNSWICK—Downing Co. (Also Naval Stores)
Ellis-Young Co. (Also Naval Stores)
COLUMBUS—Beach, Wm. Hardware Co.
Bush, Phillips Hardware Co.
Golden Foundry & Machine Co.
CORDELE—Hutchinson Lumber & Supply Co.
DALTON—Finley & Son
FITZGERALD—Watt & Holmes Hardware Co.
FORT VALLEY—Georgia Agr'l Works
GAINESVILLE—**Gainesville Iron Works**
MACON—**Mallary Mill Supply Co.**
Schofield's, J. S. Sons Co.
ROME—Battey Machinery Co. (also Mine).
Terhune-Nixon Co.
SAVANNAH—Georgia Supply Co.
Hartfelder-Garbutt Co.
Lumberman Supply & Equipment Co.
Palmer Hardware Co.
Peeples, H. H. & Sons
Weed, J. D. & Co.
TIFTON—Slack, S. G. & Co.
Tift, H. H.
TOCCOA—Matheson, W. A.
Simpson & Co.
VALDOSTA—Briggs, W. H., Hardware Co.
WAYCROSS—Harley, N. P., Hardware Co.
Trent, F. D.

HAWAII.

HONOLULU—Catton, Neil & Co., Ltd.
Hall, E. O., & Son, Ltd.
Honolulu Iron Works Co.

IDAHO.

BOISE—**Carlson-Lusk Hardware Co.**
Eastman-Teller Co., Ltd.
Idaho Hdw. & Plumbing Co. (Also Mine)
Northrup Hardware Co.
LEWISTON—**Cash Hardware Co.**
Means, Mark Co., Ltd.
Myers & Topping Hardware Co.
Ninneman Hardware Co.
WALLACE—Cœur D'Alene Hdw. Co. (Also Mine)

ILLINOIS.

BELLEVILLE—Central Valley Machy., Well & Supply Co. (Also Mine)
Hucke, Albert
Karr Supply Co.
BELVIDERE—Fellows, J. H. & Son
BLOOMINGTON—**Eagle Machine Works**
Keiser-Van Leer Co.
CAIRO—Cairo Iron & Machinery Supply Store
McCarthy & Malinski
Reed, J. B.
CHICAGO—Adams, Fred C., 36 La Salle
Adkins, Young & Allen Co.
Advance Packing & Supply Co., 123 Franklin
***Allen, W. D., Mfg. Co., 151 Lake**
Atlas Belting Co., 152 E Lake
Besly, C. H. & Co., 15 S Clinton
Brand, S. H. & Co., 99 W Monroe
Burrell Mfg. Co., 251 S Jefferson
Caldwell, H. W. & Son Co., 17th & Western av
CARPENTER, GEO. B. & CO., 202 S Water. (See adv. index, end of book)
Channon, H. Co., Randolph & Market
***Chicago Belting Co., 12 S Green**
Chicago Engineers' Supply Co., 112 Lake
Chicago House Wrecking Co., W 35th & Iron
Chicago Pulley & Shafting Co., 34 Canal
***Chicago Rawhide Mfg. Co., 75 E Ohio**
Clow, Jas. B. & Sons, 344 Franklin
Consolidated Supply Co., 321 Dearborn (Also Mine)
Crane Co. (Est. 1855), 517 S. Canal. (See adv. index, end of book)
Crawford Co., 400 S Canal.
Crerar, Adams & Co., 11 5th av
Curtis & Co. Mfg. Co., 55 N Desplaines
Davies Supply Co., 20 N Clark
Deschauer, Stephen, 334 Blue Island av
Dodge Mfg. Co., 163 S Clinton
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl. (See adv. index, end of book)
Fensholt & Fenchner, 54 S Canal
Garlock Packing Co., 115 S Franklin
***Gould Co., Ohio & Franklin**
***Graton & Knight Mfg. Co., 165 E Lake**
Gump, B. F. Co., 53 S Clinton
***Gutta Percha & Rubber Mfg. Co., 224 E Randolph**
***Hamilton Rubber Mfg. Co., 161 Lake**
Harris, Samuel & Co., 23 S Clinton
*Henion & Hubbell, 63 N Jefferson
Hills, McCanna Co., 128 E Kinzie
Illinois Malleable Iron Co. (Also Mine), 517 Diversey Boul
***Jewell Belting Co., 175 E Lake**
***Ladew, Edw. R. (Est. of), 135 E Lake**
*Lynch, Edw. & Co., 94 W Washington
Lyon, Samuel & Son, 18 S Jefferson
McMaster-Carr Supply Co., 174 E. Lake
*Main Belting Co., 55 Market
Manning, Maxwell & Moore, 22, 24, 26 S Canal
***Mechanical Rubber Co., 230 Randolph**
Monarch Mill & Supply Co., 501 Monadnock Blk
***Munson, Chas. Belting Co., 88 Franklin**
*New York Belting & Packing Co., 150 Lake
*Norwich Belting Co., 115 W Washington
*Page Belting Co., 7 S Jefferson
Piamondon, A. Mfg. Co., 57 S Clinton
*Puster Belting & Pulley Co., 15 W Madison
***Revere Rubber Co., 166 Lake**
Salisbury, W. H. & Co., 166 Wabash av
*Schieren, Chas. A. & Co., 84 Franklin
Scott Valve Co., 231 E Randolph
Seehausen, Wehrs & Co., 45 Franklin
Skillin & Richards Mfg. Co., 127 Fulton
SPRAGUE CANNING MACHINERY Co. (of all kinds for Canners, etc.), 5 Wabash av. (See adv. index, end of book)
Street, R. R. & Co., 184 Washington
Trench, Dan'l G. & Co., 5 Wabash av
Walsh, John F., 25 W Lake
Weir & Craig Mfg. Co., 2421 Wallace

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WELLER MFG. C., 118 E North av. (See adv. index, end of book)
Whitehead, James H. Co., 30 S Canal
*Williams, J. B. & Sons, 120 Franklin
Winne, Howard B., 707 Chamber of Commerce
Wolf, Fred W. Co. (Packing, Pipe, Coverings, etc.), 141 Rees
Woodcock Bros., 66 W Lake
Woodley, James C. & Co., 2256 Lumber
DANVILLE—Couron, Thos. Hardware Co.
DECATUR—Aultman & Taylor Machine Co.
Oakes, Wm. L.
FAIRFIELD—Martin, E. A.
FREEPORT—Dorman & Co.
GRANITE CITY—Bristow Hardware & Supply Co.
HOOPESTON—Sprague Canning Machinery Co.
JOLIET—Barrett Hardware Co.
KANKAKEE—Norris & Frith
MARSEILLES—Marseilles Mfg. Co.
METROPOLIS CITY—Harris & Cole Bros.
MOLINE—Barnard & Leas Mfg. Co.
OTTAWA—Reflor Hardware Co.
PEORIA—Bittel, Wm.
Couch & Heyle Co.
Kinsey & Mahler Co.
Meyer, F. & Bros. Co.
Nailon Bros. Co.
PRINCETON—Priestley Hardware Co.
QUINCY—Best, E., Plumbing & Steam Heating Co.
Grimm, Oscar E.
Hollister-Whitney Co.
ROCKFORD—Blake, J. C. Heating Co.
Savage & Love Co.
SPRINGFIELD—Hudson, J. L. Co.
Miller, W. B. & Son

INDIANA.

ANDERSON—May Supply Co.
AUBURN—Auburn Hardware Co.
Culbertson Hardware Co.
CARLISLE—Risinger & Ellis
COLUMBUS—Schwartzkopf, J. G. & Son
EVANSVILLE—Evansville Leather & Belting Co.
Heilman Machine Works
Holtz, F. Co.
Laib Co.
FORT WAYNE—Baltes Supply Co.
Fort Wayne Oil & Supply Co.
National Mill Supply Co.
Pfeiffer, Henry & Son
Schlatter, C. C. & Co.
Gary-Calumet Supply Co.
GOSPORT—Burkett, A. H.
GREENSBURG—Corbett & Rohe
Meek & Wooden
Mendenhall & Spilman
Watson, W. A.
INDIANAPOLIS—Atkins, E. C. & Co., 402 S Illinois
Barry Saw Co., 228 S Penn
Central Rubber & Supply Co., 229 S Meridian
Duckwall-Harman Rubber & Supply Co., 114 S Penn
FAIRBANKS, MORSE & CO. (of Chicago, Ill.), 140 S Meridian. (See adv. index, end of book)
*Hide, Leather & Belting Co., 227 S Meridian
Holliday, W. J. & Co.
Indianapolis Belting & Supply Co., 18 S Capitol av
Industrial Supply Co.
Kenney Machinery Co., 124 Capitol av
Knight & Jillson Co.
Miller Oil & Supply Co., 352 S Meridian
Nordyke & Marmon Co., 1101 W Morris
Taylor Belting Co., 247 S Meridian
Van Camp Hdw. & Iron Co., 401 W Maryland
Vonnegut Hdw. Co., 120 E Washn
LAFAYETTE—Biggs, B. F., Pump Co.
Johnson Hardware Co.
Reule, Fredk.
LOGANSPORT—Crawford, Isaac N.
Ullery, S. W. & Son
MARION—Hogin, McKinney & Co.
Marion Hdw. Co.
MISHAWAKA—Dodge Mfg. Co.
MUNCIE—Carpenter, Albert
Crozier, Cary
Jarecki Mfg. & Supply Co.
Keiser, Geo. & Co.
Knight & Jillson Co.
NEWCASTLE—Jennings, Winslow D.
RICHMOND—Jones Hdw. Co.
SOUTH BEND—South Bend Supply Co.
TERRE HAUTE—Austin Hardware Co.
Frietag, Weinhardt & Co.
Smith's, C. C. Sons' Co.
Watson's, D. W. Sons Co.

INDIAN TERRITORY.

PURCELL—Beringer Hardware Co.

IOWA.

BONAPARTE—Blackford, W. S. & A. V.
BURLINGTON—Murray Iron Wks. Co.
Stewart & Hayden Co.
CEDAR RAPIDS—Carmody, J. T.
Cedar Rapids Pump Co.
Fawcett, C. E.
Fenton, J. H. & Co.
Messner & Co.
DAVENPORT—Hanssen's, Louis, Sons.
Midland Supply Co.
DES MOINES—Dempster Mfg. Co., 211 E Court av
Des Moines Mfg. & Supply Co., 1st 2 Court
*Globe Machinery & Supply Co., 416 Court av
Iowa Machinery & Supply Co., 317 Court av
DUBUQUE—Deckert, W. D. Co.
Dubuque Rubber & Belting Co.
McDonald, A. Y. & Morrison Mfg. Co.
Ragatz & Son.
ELDORA—Brown Bros.
FORT DODGE—Leighton Supply Co.
LE MARS—Pech, Gustave Fdry. & Mfg. Co.
MARSHALLTOWN—Shorthill, A. B. Co.
NORTHWOOD—Tenold Bros.
OTTUMWA—McDaniel, C. E.
SIOUX CITY—Crane Co. (of Chicago, Ill.). Est. 1855. (See adv. index, end of book)
Interstate Supply Co.
Novelty Mfg. Co.
WATERLOO—Cutler Hardware Co.
Waterloo Mfg. Co.

KANSAS.

ATCHISON—Thayer Supply Co.
ENTERPRISE—Barnard Machinery Co.
Ehrsam, J. B. & Sons Mfg. Co.
ESKRIDGE—Trusler, Wm.
FORT SCOTT—Penneman, A. C. & Son
GLASCO—Davidson, L. F. & Co.
IOLA—Shannon, T. B.
JUNCTION CITY—Muensenmayer, J. J. & W. F.
LEAVENWORTH—Great Western Mfg. Co.
WICHITA—Tholen Bros.
Walterscheid Machinery & Supply Co.

KENTUCKY.

ASHLAND—Ashland Foundry Machine Works
Henderson, Thos. & Son
Tri-State Supply Co.
BOWLING GREEN—Bowling Green Machine Co
Miller-Rogers Hardware Co.
FLEMINGSBURG—Henderson Plumbing & Supply Co.
HENDERSON—Alves, Thos. D.
Blackwell, P. A. & Co.
HOPKINSVILLE—Metcalf, Thos. L.
LEBANON—Johnston, C. B.
LEXINGTON—Lexington Engine & Saw Mill Works
Smith, Watkins & Co.
LOUISVILLE—Ahrens & Ott Mfg. Co., 325 W Main
Belknap Hardware & Mfg. Co. (Inc.), 2d & Washington
Cowan, Andrew & Co., 435 W Main
FAIRBANKS, MORSE & CO. (of Chicago, Ill.), 519 W Main. (See adv. index, end of book)
Hite, W. W. & Co., 154 4th
Kentucky Saw Works, 925 W Main
Laib Co., 439 W Main
Neill, W. H., 507 W Main
Pyne, W. T. Mill & Supply Co., 1301 W Main
Semple, W. & A. C., 311 W Main
Todd-Donigan Iron Co., 817 W Main
Vogel, P. A. & Sons
Waters-Garland Co., 433 W Main
OWENSBORO—Gunther, W. & Sons
Gunther-Wright Machine Co.
Owensboro Hardware & Iron Co. (also Mine)
Owensboro Mill Supply Co. (Also Mine)
PADUCAH—Hauk Bros.
Jackson Foundry & Machine Co.
Laib Co. (Also Mine)
Potter, Henry A. Supply Co.
Scott Hdw. Co.

LOUISIANA.

BATON ROUGE—Doherty Hardware Co.
Fuqua Hardware Co.
Garig Hardware Co.
DONALDSVILLE—Lemann, B. & Bro.
HAMMOND—Hamond Hardware & Supply Co.
LAFAYETTE—Lacoste Hardware Co.
MONROE—Southern Hardware Co.
NEW ORLEANS—Ahrens & Otto Mfg. Co.
Baldwin, A. & Co. (Ltd.), Camp & Common
Bancroft, Ross & Sinclair Co., Tulane & S Hagen ave
Bynum & Russ
Chicago Belting Co., 406 Carondelet
Connell, J. D. Iron Works Co.
Gibbens & Stream, 213 Canal
Haubtman & Loeb Co. (Ltd.), 222 S Peters
Kittredge-Waters Supply Co., 422 Common
Kracke & Flanders, 630 Gravier
McArdle, P. H., Erato & Clara
Menge, J. H. & Sons (Ltd.), 210 Tchoupitoulas
Murphy, Jno. H., 643 Magazine
New Orleans Foundry & Iron Co.
Patterson, C. T. Co. (Ltd.), 404 Carondelet
Payne & Joubert, 423 Carondelet
*Revere Rubber Co., 700 Baronne
Russ, Julian A.
Simonds Mfg. Co. (Ltd.), Gravier & Tchoupitoulas
Southern Belting Co., 720 Union
Stauffer, Eshelman & Co., Canal & Dorsiere
Van Horn, Oliver H.
White, A. H. Co., 532 Gravier
Whitney Supply Co., 108 N Peters
Wilmot Machinery Co.
Woodward, Wight & Co., 410 Canal
Young, C. P. Engineering & Supply Co.
RUSTON—Ruston Hardware & Supply Co.
SHREVEPORT—Gulf States Belting & Hose Co.
Henderson, W. K. Iron Works & Supply Co.
Lee Hdw. Co.
Means, J. L. Machinery Co.
Vordenbaumen-Eastham Co.
THIBODAUX—Planters' Hardware & Mill Supply Co.

MAINE.

AUBURN—Elms, James
AUGUSTA—Brooks Hardware Co.
Fifield Bros.
BANGOR—Schwartz's, M. Sons, 213 Exchange
Snow & Neally Co.
Taylor, Abner, 123 Exchange
Union Iron Works
BATH—Johnson Bros.
Swanton-Jameson Co.
CALAIS—Eaton, J. B. & H. D.
GARDINER—Decker & Day Hdw. & Coal Co.
Scribner, Harvey (Est. of)
ELLSWORTH—Westcott, H. F.
HOULTON—Watson, John Co.
LEWISTON—Carman-Thompson Co.
Hall & Knight Hdw. Co.
Haskell, Geo. B. Co.
Smith, John B. & Co.
Stetson, J. H. Co.
Whitney, Geo. A. & Co.
MECHANICS FALLS—Penny, J. W. & Sons Co.
PORTLAND—Adde & Co., 59 Kennebec
Blake, W. L. & Co. (Inc.), 79 Com'l
Corey, E. & Co., 197 Com'l
Chenery, Henry L. & Co., 468 Fore
Dunn, H. A. & Co., 453½ Congress
Edwards & Walker Co., 5 Monument sq
Emery-Waterhouse Co., 145 Middle
Gerrish, J. J. Supply Co., 41 Com'l
King & Dexter Co., 11 Monument sq.
Merrill, T. L. Co., 228 Middle
Portland Co.
Portland Rubber Co., 259 Middle
Talbot, Brooks & Ayres
ROCKLAND—Crie, H. H. & Co.
Shuman Machine Co.
SACO—*Beatty, Janson W. & Co.
WATERVILLE—Claflin, Mark T.
Hanson, Webber & Dunham

MARYLAND.

BALTIMORE—Aumen Machinery & Supply Co., 334 N Holliday
Basshor, Thos. C. & Co., 28 Light
Bolton Bros., 416 E. Pratt
Boyd Rubber Co., 15 North Charles
Carey Machinery & Supply Co.
Central Metal & Supply Co., 609 E Lombard
Chevalier, C. G., & Co.
Coggins & Owens, 19 S Charles
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Crook, Horner Co.
Cuyler & Mahler, 611 William
Kelley-Staley Belting Co., 210 N Holliday
Kemp, C. M. Mfg. Co., 405 E. Oliver
Kessel, Henry A. Co., 121 S Gay
Krauss & Roberts, Baltimore & Eden (Also Mine)
Maryland Belting & Packing Co., 506 S Dallas
Schuchts, D. B., 215 President
Spedden Supply Co., 913 S B'way
Standard Supply & Equipment Co., 306 N
Starr, B. F. Co., 455 North
Stebbins, Wallace & Sons, c Charles & Lombard
Struven, Chas. M., & Co., 114 S. Frederick
Wallace & Gale (Oils, Coverings, Compounds, etc.), 115 S Gay

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CUMBERLAND—McKaig, Merwin (Also Mine)
Wilson & Pugh (Also Mine)
FREDERICK—Quynn, A. G. & Co.
SALISBURY—Dorman-Smyth Hdw. Co.
Gunby, L. W. Co.

MASSACHUSETTS.

ADAMS—Mole, F. E.
AMESBURY—Fowler, F. S.
ANDOVER—Morse, Walter I.
ATHOL—Paige, C. F. & Co.
ATTLEBORO—Gifford, James W. Co.
AYER—Proctor, E. O.
BOSTON—American Shuttle Co., 53 State
Anderson, Geo. P., 103 Oliver
*Bay State Belting Co., 43 High
Bestasking Packing & Supply Co., 170 Summer
Bigelow & Dowse Co., 229 Franklin
***BOSTON BELTING CO., 256 Devonshire. (See adv. index, end of book)**
Boston Engineers' Supply Co., 56 Purchase
Boston Steam Specialty Co., 168 Congress
Bowes, L. M. Co., 451 Atlantic av
Braman, Dow & Co., 239 Causeway
Brigham, Arthur A., 17 Milk
Brown, Frank H., 49 High
Brown, Lewis A. & Co., 78 North
Brown-Wales Co., 69 Purchase
Buerkel & Co., 24 Union Park
Chandler & Farquhar Co., 36 Federal
Chase, Charles E., 170 Summer
Chase, Parker & Co., Pearl st
Chesterton, A. W. & Co. 64 India
Claflin, Chas. A. & Co., 50 High
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Curry Oil & Supply Co., 284 Franklin
Cutter, Wood & Stevens Co., 68 Pearl
Dodge, Haley & Co., 218 High
Dodge Mfg. Co., 137 Purchase.
Eagle Oil & Supply Co., 104 Broad
English, Charles R., Co., 301 Congress
Federal Metallic Packing Co., 137 High
Field, Wm. H., 35 Washington, N.
Fitts, Frank E., Mfg. & Supply Co., 88 Pearl
Foley, James & Co., 80 High Purchase
Gallison, Wm. H. Co., 36 Oliver
Garlock Packing Co., 43 High
General Fire Extinguisher Co.
Gilchrist, Geo. E. Co., 106 High
Globe Leather Belting Co., 132 Pearl
Grant Nail & Supply Co., 47 High
Graton & Knight Mfg. Co.
Greenwood Mfg. & Supply Co., 147 Milk
Hamblet & Hayes Co., 6 High
Hinds & Coon, 126 Pearl
Holmes & Blanchard Co., 39 Wash N.
Hub Wire Cloth & Wire Works Co., 18 Devonshire
Hubbard, W. B. & Sons Co., 176 Oliver
Hunt, Henry C. & Co., 82 Oliver
Ireson, Chas. L., 148 High
Kessel, Henry, A. Co., 165 Milk
Knowlton, Geo. W. Rubber Co. (Mechanical Rubber Goods & Engineers' Supplies), 88 Broad
*Ladew, Edw. R. (Est. of), 228 Franklin
Lunt-Moss Co., 43 S. Market
McKerrow, H. G. & Co., 31 State
McLean-Brandon Oil & Supply Co., 65 Long Wharf
Manning, Maxwell & Moore, Franklin & Oliver
Morton, A. M. & Co., 25 Washington
Milliken, Chas. F. Oil Co., 200 Friend
Murphy, Leavens & Co.
Nightingale & Childs Co., 205 Congress
New England Lubricant Co., 170 Summer
Otto Gas Engine Co., 18 P. O. Square
*Page Belting Co., 31 Pearl
Roberts, J. H. & Co., 187 Portland
Russell, J. H. & Co., 214 Milk
Shackley, W. T. & Son, 49 High
Sherburne & Co., 53 Oliver
Shultz Belting Co., 114 High
Smith & Thayer Co., 234 Congress
Speed & Stephenson (Textile), 170 Summer
Speare's, Alden, Sons Co.
Stoddad, Haserick Richards Co., 152 Congress
Sumner & Gerald, 287 Congress
Tenney, Morse & Co., 141 Pearl
Walworth Mfg. Co., 132 Federal
Wilkinson, A. J. & Co., 180 Wash'n
BROCKTON—Noyes, C. A. Co.
CHELSEA—Tukey, S. S. & Co.
CLINTON—Pratt, E. O.
EASTHAMPTON—Manchester, Geo. L.
Ryan, James P., 45 Cottage
FALL RIVER—American Supply Co., 104 Hartwell
Borden, Jefferson & Son, 288 Locust
Buffington, Joseph L., 552 Maple
Chase, Stephen A.
Covel & Osborn Co., 139 Pleasant
Davis, N. Frank, 78 Bedford
Hartley, Alfred H.
Fyans, Fraser & Blackway Co.
Johnson, John F. Co.
Kilburn, Lincoln & Co.
Lord, Henry
Luther Reed Mfg. Co., 2060 S Main
McLeod, Wm., 136 Central
Miller, Nathan
Tooley, Michael J. & Co., 809 Stafford rd
Union Belt Co., 66 Troy
Wetherell, O. B. & Son Co.
FITCHBURG—Fitchburg Hardware Co.
Johnson, W. C.
Lawrence Sons & Co.
Parks, G. M. Co.
Wachusett Machine Co.
FRANKLIN—Holse, Horace W.
Milliken's Sons, L. W.
Woodman, Geo. S.
GARDNER—Davis, Walter J.
GLOUCESTER—Andrews, L. E. & Co.
Stoddart, A. P. & Co.
GREENFIELD—Allen's, S. Sons.
HAVERHILL—Busfield, James
HOLYOKE—Chase & Cooledge Co.
Crosby Hardware Co.
Holyoke Valve & Hydrant Co.
Russell, G. E. & Co.
Russell, J. & Co.
Wells, R. D. & Co.
HYDE PARK—Tyler, Frank J.
LAWRENCE—Austin, M. E. & Co., 205 Essex
Barlow, John W. Co., 81 Holly
Burnham, E. E. Co., 252 Lowell
Hall, D. S. & Son, 381 Essex
Robinson Hardware Co.
Stanchfield, H. J. & Co.
Treat Hdw. & Supply Co., 584 Essex
LEICESTER—Watson, L. S. Mfg. Co.
LEOMINSTER—Gavin Hardware Co.
Leominster Hardware Co.
LOWELL—Adams Hardware & Paint Co., 404 Middlesex
Barker, H. R. Mfg. Co., 158 Middle
Bartlett, W. T. S.
Bartlett & Dow, 216 Central
Cady, George L. & Sons, 2 Fletcher
Clark, Jeremiah Mchy. Co., 32 Perrin
Cheney & Thompson Co.
Coburn, C. B. Co., 63 Market
Hutchens, Geo. E., 107 Central
Knowles Scale & Supply Co.
Lowell Machine Shop, Dutton
Stead Tanning & Supply Co.
Thompson Hardware Co., 254 Merrimack
Turner, J. S. Mfg. Co., 308 Middlesex
*Whiting, Henry F., 16 Shattuck
Wight, M. G. & Co., 67 Middle
LYNN—Collins Hardware Co.
Harding, J. W. & Co.
Howe, Oliver R.
MANSFIELD—Fuller, W. C. Co.
MATTAPOISETT—Dexter, A. M. (Est. of.)
MIDDLEBORO—Doane, J. & G. E.
MILFORD—Ellis, Clark & Son
Staples & Gould
NATICK—Durkee, Moreton
NEW BEDFORD—Babbitt Steam Specialty Co.
Dunham, Crawford L.
Hillman, F. G.
Knowles, Wm. H.
Lowe, S. C. Supply Co.
Manufacturers' Supply Co.
New Bedford Rubber Co.
Rankin & Arnold
Slocum & Kilburn
Tripp, Frank L.
NEWBURYPORT—Russell, Albert & Sons Co.
Thurlow, S. H. & Co.
NORTH ADAMS—Burlingame & Darby's Co.
NORTH CHELMSFORD—*North Chelmsford Machine & Supply Co.
ORANGE—Chase Turbine Mfg. Co.
Orange Hardware Co.
PALMER—Buck, E. A. & Co.
Whitcomb & Faulkner
PEABODY—Whidden, A. H. & Son
PITTSFIELD—Berkshire Mill Supply Co.
Hardware & Mill Supply Co.
ROCKLAND—Hall & Torrey
SALEM—Goodell, Jina
SOMERVILLE—Birch Bros.
SOUTHBRIDGE—Winter, G. C.
SPRINGFIELD—Baxter, Ernest W., 86
Chapman & Brooks, 71 Lyman Princeton
Dexter & Bowles
Foot, Homer & Co., Main c State
Graves, Geo. A. & Sons, 324 Main
Hampden Supply Co., 28 Sharon
Hannan & Finton, 19 Sharon
Hitchcock Supply Co. (Jobbers), 74 Dwight
Law, J. Douglas, 260 Main
Lewis, Chas. C. Co., 30 Lyman
Mill River Machine Co., 964 Main
Oliver & Howland Co., 214 Worthington
Russell, John W., 47 Taylor
Stacy, E. S. Machine Co., 41 Taylor
WYCOFF & LLOYD CO., 19 Worthington. (See adv. index, end of book)
TAUNTON—Pierce Hardware Co.
Presbrey-Field Co.
TURNERS FALLS—Webster, F. L.
WALPOLE—Rooney, Jno. B.
WALTHAM—Taylor & Percival
WARE—Sibley, J. B. & Son
WESTFIELD—Bryan, James H. Co.
WOBURN—Thompson, L. W.
WORCESTER—Braman, Dow & Co. (of Boston), 7 Washington sq
Buck, E. A. & Co., Worcester & Casco
Burlingame, A. Co., 22 Cypress
Crawford & Co., 663 Main
Duncan & Goodell Co., 404 Main
Dixon, Geo. S., 224 Front
Fairbanks & Boynton Co., 49 Vine
***HUDSON BELTING CO. (See adv. index, end of book)**
Marble, J. Russell & Co.
Mason Brush Works, 553 Main
*Warren, J. F. & W. H. Co., 44 Vine
Willard, W. H. Co., 520 Main
Worcester Rubber Co., 324 Main

MICHIGAN.

ALPENA—Kline, Lewis T.
Potter Bros.
AUSABLE—Richards, R. A.
BATTLE CREEK—Alert Pipe & Supply Co.
Brockett, L. B. & Son
Galloup, J. O.
BAY CITY—Bisly Hardware & Supply Co.
Jennison Hardware Co. (Also Vessels)
BIG RAPIDS—Judson, C. P. & Co.
CADILLAC—Drury & Kelley Hardware Co.
Nordstrom, N. P.
CALUMET—Carlton Hdw. Co. (Also Mining)
CHEBOYGAN—Post, J. J. Hdw. Co.
DETROIT—Anderson, Kenneth Mfg. Co.
Boyer-Campbell Co., 64 Congress E
Century Supply Co., 439 Gratiot
Conkling, S. P. (Pipe Coverings, etc.), 29 Atwater, E
Detroit Engineer Supply Co., 12 Atwater, W
Edwards, H. D. & Co., 16 Woodward av
FAIRBANKS, MORSE & CO. (of Chicago, Ill.), 80 Jefferson. (See adv. index, end of book)
Harvey's, A. Sons Mfg. Co. (Ltd.), 1st & Woodbridge
Johnson, Jno. & Co. (Pipe & Boiler Coverings), 303 Gratiot av
Muzzy-Lyon Co., 149 W. Larned
Palmer-Bee Co.
Ridgley, R. B., 14 Atwater E
Roe, J. A. & Co., 12 Atwater E
Sales & Broad Co., 76 Jefferson av
Strelinger, Chas. A. Co., 98 Bates
Walker Mfg. & Supply Co., 136 W Larned
Willebrandt Machinery Co., 160 Larned W
Wing, J. T. & Co. (Leather), 19 Woodward av
Wormer, C. C, Mach'y Co., (Power Transmission Supplies, etc.), 99 W. Woodbridge
DOWAGIAC—Bishop Hardware Co.
Open Hdw. Co.
ESCANABA—Delta Hardware Co.
FLINT—Sterner, Edwin Co.
GRAND RAPIDS—Barclay, Ayers & Bertsch Co., 93 Kent
Brandy, M. & Sons, 20 Alabama
Grand Rapids Supply Co., 4 Pearl
Hayden, J. M. & Co., 62 Pearl
*Studley & Barclay, 68 Pearl
HOUGHTON—Portage Lake Hardware Co. (Also Mine)
Swift, I. E. & Co. (Also Mine)
IONIA—Webber Hardware Co.
IRON MOUNTAIN—Rundle, A. J. (Also Mining)
IRONWOOD—Lesselyoung Hardware Co. (Also Mine)
ISHPEMING—Eggan, Fred J.
JACKSON—Holton & Weatherwax Co. (Ltd.)
Smith & Winchester Hardware Co.
Warner Hdw. Co.
KALAMAZOO—Quinn Mfg. Co.
LANSING—Michigan Supply Co.
MANISTEE—Miller, Wm.
Wolters-Batey Co.
MARQUETTE—Manhard, M. R.
MASHALL—Bosley, Casper Hardware Co.
Casper Hdw. Co.
MENOMINEE—Emerson Corbin Supply Co.
Northern Hardware & Supply Co.
MUSKEGON—Howden, J. J. Co.
People's Hardware Co.
Rubinsky, Henry
Towner Hardware Co.
SAW PAW—Waters, H. C. & Co.
PETOSKEY—Reynolds & Bain

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PONTIAC—Graham, W. W.
PORT HURON—Meisel Mfg. Co.
Port Huron Engine & Thresher Works
REED CITY—Callaghan, M. M. Co.
SAGINAW—Morley Bros. (Inc.)
Saginaw Hardware Co.
Saginaw Mfg. Co.
United Supply Co.
Wickes Bros.
ST. IGNACE—Kynoch, Chas. & Co.
SHELBY—McKinnon Hardware Co.
Rankin, A. J.
SAULT SAINTE MARIE—Chippewa Hardware Co.
Soo Hardware Co.
STANTON—Pierson, Jno. W. S. & Co.
TECUMSEH—Satterthwaite Bros.
Whitenack, D. L. & Co.

MINNESOTA.

CLOQUET—Fish, L. A. & Co.
DULUTH—Crane Co. (of Chicago, Ill.), Est. 1855. (See adv. index, end of book)
Duluth Hdw. Co.
Kelley-How-Thomson Co.
Marshall-Wells Hardware Co.
MINNEAPOLIS—Atkins, E. C. & Co., 122 Washington av
Central Supply Co., 312 Third, S
Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Engineering & Steam Supplies Co., 227 S 3d
FAIRBANKS, MORSE & CO., 220 Nicollet av. (See adv. index, end of book)
Gilmore, D. M. Co., 515 S 3d
Harris Machinery Co., 1025 Wash'n av, S. E.
Howell, R. R. & Co., 31st av. S. E. 4th
Janney, Semple Hill & Co., 1501 N. W. Kelly, H. & Co., 225 3d, S. Main
Minneapolis Tubular Well Co., 311 3d av N
Morison W. K. & Co., 247 Nicollet av
National Brass & Metal Co., 256 3d av S
Northern Machinery Co., 217 S 3d
*Nott, W. S. Co.
Plant Rubber Co. (Leather, etc.), 320 1st av, N
Plumbing & Steam Fitting Supplies Co., Roy Machinery Co., 212 1st 214 N 1st
Sanford, Chas. E. & Co., 202 Wash'n av, N
Satterlee, F. E. & Co., 215 2d av S
Williford Mfg. Co., 303 S 3d
MORA—McIlhargey, S. D.
ROCHESTER—Ellis & Edwards
ST. PAUL—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Crane & Ordway Co., 250 E 4th
Dwyer, John J., 317 Amer Nat. Bk. bldg.
FAIRBANKS, MORSE & CO., 324 E 3d. (See adv. index, end of book)
*Goodyear Rubber Co., 375 Sibley
Robinson & Cary Co., 4th c Waconta
Rugg, H. P. & Co., 382 Jackson
Western Supply Co.
STILLWATER—Stillwater Machine Shop &
WINONA—Cone, R. D. Co. Supply Co.

MISSISSIPPI.

CLARKSDALE—Clark, Walter Hardware Co.
Clarksdale Machinery & Sup. Mfg. Co.
Delta Hdw. Co.
COLUMBUS—Cady, T. J.
Columbus Machine & Foundry Co.
Jacobs, F. M.
CORINTH—Adams, W. T. Machine Co.
Corinth Engine & Boiler Works
CUDE—Cude Supply Co.
HATTIESBURG—Watkins Machine & Foundry Co.
JACKSON—McCleland, T. Hardware Co.
Mississippi Fdry. & Mch'y Co.
MERIDIAN—Martin, E. J. & Sons
Meyer-Neville Hdw. Co.
NATCHEZ—Baker & McDowell Hdw. Co.
Feltus Bros.
Williams, Cliff. Machine Co.
VICKSBURG—Hoffman, Louis, Hdw. Co.
Richardson, Lea & Co.
Robinson's, B. J. Gin & Mach. Works
Schwartz & Stewart
Wright Bros.
YAZOO CITY—Crane-Hinman Hdw. Co.

MISSOURI.

CARTERVILLE—Carterville Boiler Works.
Cole, H. C.
Jasper County Foundry & Machine Works
JOPLIN—Joplin Supply Co.
McNeal Machinery Co.
United Iron Work Co. (Also Mine)
KANSAS CITY—Burton, C. A. Machinery Co (Belting, etc.)
Byrnes, Jas. W. Belting & Hose Co., 1220 W 11th
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
English Iron Works Co., 410 W 5th
FAIRBANKS, MORSE & CO., 1217 Union av. (See adv. index, end of book)
*Goodyear Rubber Co., 109 W 8th
Great Western Mfg. Co., 1221 Union av
Gustin-Bacon Supply Co., 1408 W. 11th
Kansas City Mfg. & Supply Co.
Kansas City Pump Co.
Lewis Supply Co., 1300 W 11th
Mercantile Lumber & Supply Co., 906 Baltimore av
Richards & Conover Hdw. Co., 5th c Wyandotte
Smith, Irving & Co., 827 Southwest Boul.
Strait, H. N. Mfg. Co.
U. S. Water & Steam Supply Co., 1215 W 12th
Young, W. B. Supply Co., 212 Delaware av
MALDEN—Malden Machine Works (Also Lumbermen's)
MOBERLY—Faessler, J. Mfg. Co.
ST. JOSEPH—Horigan Supply Co., 209 S 4th
Lewis Supply Co., 115 S 4th
McCord Rubber Co., 104 S 3d
ST. LOUIS—Barry-Wehmiller Machinery Co., 21st & Walnut
Branch Saw Co., 817 N 2d
BRODERICK & BASCOM CO. (Mine), 809 N Main. (See adv. index, end of book)
Brown Machinery Co., 934 N 1st
Byrnes, J. W. Belting & Hose Co., 914 N 2d
Caldwell Belting & Mfg. Co., 715 N 2d
*Capen Belting & Rubber Co., 413 N Main
Cornelius Mill Furnishing Co., 1119 N 6th
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Day Rubber Co., 415 N 4th
Dodge Mfg. Co., 507 N Main
Donovan Iron & Supply Co.
Essmueller Mill Furnishing Co., 605 S 6th
FAIRBANKS, MORSE & CO., 8th & Clark av. (See adv. index, end of book)
Fisher & Davis, 1024 N Main
Graton & Knight Mfg. Co., 720 N 2d
Handlan-Buck Mfg Co., 212 N 3d
Hartmann, E. Hide & Leather Co., 1905 Shenandoah av
Hynson Tool & Supply Co., 111 Market
Johnson-Robinson Machy. Co., 715 N. 2d
Johnson, Wm. C. Sons Mach. Co., 210 Washington av
Leschen, A. & Sons Rope Co. (Belting, Packing, etc.), 920 N Main
Manning, Maxwell & Moore, 305 Frisco bldg
*Missouri Belting Co., 120 S Commercial
Nelson, N. O. Mfg. Co., 10th & Chestnut
*New York Belting & Packing Co. (Ltd.), 411 N 3d
Norvell-Shapleigh Hdw. Co., 4th & Wash'n
Railway & Engineering Materials Co., 1811 3d, National Bank Bldg.
Reuter-Jones Mfg. Co., 1607 S. 3d
Rumsey, L. M., Mfg. Co.
Rumsey & Sikemeier, 1900 Pine
Shultz Belting Co., 402 Barton
St. Louis Belting & Supply Co., 509 S 4th
Streett, J. D. & Co., 809 N 2d (Also Mine)
Teusch er & Son Machinery Supply Co., 92[illegible] N 2d
Yerkes & Finan Woodworking Machine Co., 3143 N 9th
Zelnicker, Walter A., Supply Co.
SPRINGFIELD—Moore Mfg. Co.
Webb City & Carterville F. & M. Works (Mine)

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co.
GREAT FALLS—Lowery Engineering Co.
HELENA—Holter, A. M. Hardware Co.
MISSOULA—Missoula Mercantile Co.

NEBRASKA.

LINCOLN—Cooper & Cole Bros.
Smith, R. L. Machine Works
OMAHA—Baum Iron Co., 1228 Harney
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago), 1102 Farnham. (See adv. in dex, end of book)
Kennedy, J. R.
Lehmer, Joseph R., 1218 Farnam.
Sunderland Roofing & Supply Co., 1007
U. S. Supply Co., 901 Farnam Douglas
Western Electrical Co., 1807 Douglas
YORK—York Fdry. & Engine Works

NEVADA.

RENO—Nevada Hardware Supply Co. (Also Mine)
Western Machinery & Mining Supply Co. (Also Mine)

NEW HAMPSHIRE.

BERLIN—Berlin Mills Co.
Burbank, E. A.
Parent, Arthur E.
CLAREMONT—Rand, Ball & King Co.
COLEBROOK—Stephens & Tewksbury
CONCORD—Concord Pipe Co.
Page Belting Co. (Belting, Hooks, Tools, etc.)
Thompson & Hoague Co.
EXETER—Exeter Machine Works
Lane, G. W. & C. A.
FRANKLIN—Kidder Machine Co.
KEENE—Spencer Hardware Co.
LACONIA—Huse, W. D. & Sons
Quinby, A. T. & Son
LAKEPORT—Cole Mfg. Co.
LANCASTER—Thompson Mfg. Co.
MANCHESTER—Cornish, E. P.
Felton, S. A. & Son Co. (Brushes)
Manchester Hardware Co.
Manchester Supply Co.
Varick, Jno. R. Co.
MILFORD—French, W. F.
Peirce, W. E. & Co.
NASHUA—Buxton & Allard
Grover File Co.
Nashua Hdw. Co.
PETERBORO—Walbridge & Taylor
PLYMOUTH—Corliss, Geo. H. & Co.
PORTSMOUTH—Chadwick & Trebethen
ROCHESTER—Rochester Foundry & Machine Works
SOMERSWORTH—Sweetser-Sanborn Co.
TILTON—Tilton Hardware Co.
WHITEFIELD—Stoughton Co.

NEW JERSEY.

ATLANTIC CITY—Allen, Philip E. & Co.
Currie Co., 1216 Atlantic av
BAYONNE—Bayonne Supply Co., 308 B'way
BRIDGETON—Bowen, R. L., 9 Atlantic st
ELIZABETH—Elizabeth Hardware Co.
GUTTENBERG—Herrmann, F. W., 82 Bull's Ferry Road
JERSEY CITY—Gibbons, Ernest A., Hudson & Morris
GRISCOM-SPENCER CO., Grand & Sussex. (See adv. index, end of book)
Jersey City Supply Co., 12 Mercer
Johnson, Henry Co., Gates av & boul
Perkins, Arthur L., 288 Warren
MADISON—Force, Chas. C. & Son
NEWARK—Banister & Pollard, 206 Market
Coe, James A. & Co.
Crabb & Co., 3d av c 4th
Crane & Milligan Steam Fitters Supplies (Jobbers), 54-56 Mechanic
Gray, R., Jr., 190 Market
Johnson-Mandeville Co., 496 Broad
*Ladew, Edw. R. (Est. of), 807 Market
Macknet & Doremus, 796 Broad
Meier's, Jos. Sons, 806 Market
Mutual Supply Co., 10 Milton
Rising & Thorne Co.
Roe & Conover, 17 Mechanic
*ROSSENDALE - REDDAWAY Belting Hose Co., 82 Euclid av. (See adv. index, end of book)
Sheppard, Wm. S., 21 Lawrence
Walker, C. W., 274 Market
WALSH'S SONS & CO. (See adv. index, end of book)
NEW BRUNSWICK—Weigel, Philip, Jr.
ORANGE—Lindsley, Jno. N.
PASSAIC—New Jersey Engineering & Supply Co.
Robins Conveying Belt Co.
Smith, Abe, 200 Main
PATERSON—Ash, Henry M., 180 Market
Cleaver & Leather, 159 Madison
Doremus & Snyder, 66 Washington
Frost, Geo. T. C. Sons, 565 E 22d
Hall, I. A. & Co., 80 Hamilton av
Low, F. Eliot Co., 58 Fair
Mills, H. W. & Co., 59 Washington
Myers, Geo. A. & Co., 68 Washington
Natl. Mill Supply Co., 118 Railroad av
Patterson, Reed & Harness Co., 235 Ellison
Quinn Bros., 9 Fair
Rodgers, David G. Co., 198 Ellison
Smith, Abe, 51 Fair
Ulrich & Co., 60 Railroad av
Van Riper Mfg. Co., 14 Van Houten
Van Winkle, J. A. Co., 168 Main
Walder, Jacob, 188 River
PERTH AMBOY—Elizabeth Hardware Co.
McCormick, W. H.
TOMS RIVER—Berkeley Mfg. & Sup. Co.

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TRENTON—Corbett-Taylor Co.
*Crescent Belting & Packing Co.
Crook, A. M. & Son
Hunt, Jas. B. Mfg. Co.
Katzenbach, F. S. & Co.
Lanning, G. W.
Warren, Balderston & Co.
WEEHAWKEN—Berger, Edw. W. & Bro.

NEW MEXICO.

ALBUQUERQUE—Whitney Co. (Also Mine)

NEW YORK.

ALBANY—*Albany Belting & Supply Co., 372 Delahanty, M. & Son, 26 Green B'way
Manufacturers' Oil & Supply Co., 467 B'way
Stoneman, M. G. & Son, 414 B'way
Wirg, Robert B. & Son, 385 B'way
AMSTERDAM—Gardiner, E. W. Co.
Kolb, Frank E.
Larrabee, J. E.
AUBURN—Wheeler, S. B.
BATAVIA—Russell & Palmer
BATH—Gould & Nowlen
BINGHAMTON—Babcock, Hinds & Underwood
Gaylord & Eltapence Co.
Morse, E. W. & Co.
BROOKLYN—(See N. Y. City, Borough of Brooklyn)
BUFFALO—Beals & Co., 46 Terrace
***BICKFORD & FRANCIS BELTING Co., 37 Pearl. (See adv. index, end of book)**
BOSTON BELTING CO., 90 Pearl. (See adv. index, end of book)
Budd, T. A., 428 Ellicott sq
Buffalo Belting Works, 18 Ellicott
Buffalo Tool & Machinery Co., 176 Terrace
Buffalo Mill Supply Co., 210 Main sq
Buffalo Wholesale Hdw. Co., Wash c S Division
Bushnell, Clarence E., 63 Carroll
Case, W. A. & Son Mfg. Co., 31 Main
Enterprise Oil & Supply Co., 2 Ohio
Fairbanks Co., 145 Seneca
Goodfellow, J. H. Mfg. Co., 36 Ferguson av
***Goodyear Tire & Rubber Co., 1719 Main**
Graton & Knight, 292 Main
Hendee, A. M., Erie Co. Bank bldg
Hoffeld, R. & Co., 61 Carroll
Iroquois Rubber Co., 45 Pearl
McCutcheon, C. H., 18 Ohio
Mahoney, Daniel, & Sons, 17 Main
Main Belting Co., 40 Pearl
Niagara Machine & Tool Co.
Niagara Railway & Mill Sup. Co.
Noye Mfg. Co., 50 Lakeview av
Peerless Belting Co., 105 Main
Plumbers' & Steam Fitters' Supply Co., 246 Main
Root, Neal & Co., 178 Main
Ruebel, J. H. & Son, 81 Main
Squier, Geo. L. Mfg. Co., 490 B'way
Walbridge & Co., 392 Main
Weed & Co., 95 E Swan
Whittet, Barrett & Co., 59 Main
CANANDAIGUA—Peck, Geo. W. Co.
CARTHAGE—Strickland, J. E. & Son
Wing, F. M.
COHOES—Cheydieur, J. B. Co.
Kennedy, Thos. & Son, 33 Remsen
Laughlin, Edwin B.
Sweet & Doyle
CORTLAND—Gallup, Sherman & Lovell Hdw.
ELMIRA—Barker, Rose & Clinton Co. Co.
GLENS FALLS—Kalbfleisch, Theo. F.
GLOVERSVILLE—Batcheller, E. S. & Co.
McGuire-Tymson Co.
Sowle, J. E.
GOUVERNEUR—Loveland, M. E.
Williams, D. H.
GREENE—Lyon Iron Works
HAVERSTRAW—Lane, Chas. R.
Rose & Johnson
Strout, W. H.
HOOSICK FALLS—Easton, Rising & Worden
HORNELLSVILLE—Rose, J. R. & Co.
HUDSON—Jones & Hardy
Murphy, E. W. & Co. (Textile)
Parker, Byron, 436 Warren
ILION—Newth, N. J. Hardware Co.
ITHACA—Treman, King & Co.
JAMESTOWN—Clarke Hdw. Co.
Rosencrantz, E. & Co.
JOHNSTOWN—McGuire-Tymson Co.
KINGSTON—Burney, J. G., 510 Main
Canfield Supply Co.
Johnson, J. T.
LITTLE FALLS—Burney Bros.
Burrell, D. H. & Co. (For Creamery & Cheese Factories, etc.)
Skinner & Oyston, 534 Main
Taylor, Jno. R. & Co.
LOCKPORT—Brown, E. S.
LONG ISLAND CITY—(See N. Y. City, Borough of Queens)
MECHANICVILLE—Safford, Henry D.
NEWBURGH—Smith, W. L.
NEW ROCHELLE—Dimock & Fink Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Dodge Mfg. Co., 217 37th
Jacobs, Geo. P. & Co., 276 S 9th
Kiley, Thos. W. & Co., 57 Grand
Knight, Thos. G. Co., 52 Myrtle av
McElraevy & Hauck Co., 440 B'way
Phillips, Doup & Co., 56 Pearl
Simpson, J. S. & G. F., 26 Rodney
Wickes, John C. Co., 1988 B'way
Wohl, A., 612 B'way

Boroughs of Manhattan & Bronx.

NEW YORK—American Oil & Belting Co., 147 Beals, H. H., 51 Cliff Cedar
BEGGS, JAS. & CO., 109 Liberty. (See adv. index, end of book)
Behrer & Co., 81 Beekman
Beith & Reilly Co., 133 Lincoln av
Benjamin, Geo. P., 81 Fulton
Braunfels, Browning & Co., 1940 Park av
Burnet Co., 121 Maiden La.
Bushnell, John S., 227 Fulton
Callahan, Geo. & Co., 129 Front
Chatwin, Alfred Supply Co. (Tools & Supplies), 149 Centre
Chase, Charles F., 39 Cortlandt
Chase, H. M. & H. F., 50 Church
Cooke Machinery Co., 114 Liberty
CORNEL & UNDERHILL, 47 Beach. (See adv. index, end of book)
Crane Co. (of Chicago), Est. 1855, 490 Cherry. (See adv. index, end of book)
Dame & Townsend Co., Cliff & Fulton
De Ronde, Frank S., 24 Stone
Dienst, A. P. & Co., 2604 3d av
Dimock & Fink Co., 220 E 125th
Dixon, Wm., 39 John
Dodge Mfg. Co., Cedar & Washington
DONEGAN & SWIFT, 6 Murray. (See adv. index, end of book)
Du Bois, F. N. & Co., 243 9th av
Dunham, Carrigan & Hayden Co., 127 Duane (Also Mine)
Eberhart, M. & Son Co., 76th & 1st av
Fairbanks Co., Broome & Lafayette
FAIRBANKS, MORSE & CO., 30 Church, New York. (See adv. index, end of book)
Fawcett, Hughes, 115 Franklin
***Fay Belting Co., 3 Jacob**
Fitzgerald, M. J. Co., 58 Centre
Fox Bros. & Co., 126 Lafayette
Frasse Co., 30 Church
FRASSE, PETER A. & CO., 130 Worth. (See adv. index, end of book)
Froelich, A. (Est. of), 287 Pearl
G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
Garlock Packing Co., 136 Liberty
Garrett, W. D., & Co., 136 Liberty
General Supply Co., 40 John
Gibbons, Jno. V., 133 Greenwich
Glauber, Sam S., 79th & 2d av
Godfrey-Keeler Co., 70 Warren
*Goodyear Rubber Co., 787 B'way
Graton & Knight Mfg. Co., 40 Dey
Greason Mfg. Co., 108 W. 99th
Greene, Tweed & Co., 109 Duane
GRISCOM-SPENCER CO., 90 West. (See adv. index, end of book)
Hall Mfg. Co., John & Cliff.
Harrison, John (Est. of), 169 South (Also Mine)
Hauser, August R. 163 William
Howe, Alfred H., 75 Warren
IRVING MFG. & TOOL CO. (J F. McCoy Co., Prop.), 169 Chambers. (See adv. index, end of book)
Katzenstein, Leopold & Co., 358 West
Keasbey, Robt. A. Co., 100 N Moore
Kessel, Henry A. Co., 54 South
*Ladew, Edw. R. (Est. of), 200 William
Leonard & McCoy, 161 Wash'n
Leschen, A. & Sons Rope Co. (Belting, Packing, etc.), 90 West
McCoy, Henry J., Co. (Mfrs.' Agt.), 65 Dey
McCoy, Joseph F., 157 Chambers (Also Mine)
McGee, Alonzo H. Co., 106 Beekman
McMann & Taylor, 104 John
MacSorley Co., 44 Manhattan
Manning, Maxwell & Moore, 85 Liberty.
Marine Mfg. & Supply Co., 158 South
Mickelborough, G. W., 5 Dutch
Mill & Factory Syndicate, 415 B'way
Miller & McLean, 120 Liberty
Mitchell-Bissell Co., 227 Fulton
Motley, Thornton N. & Co., 50 Church
Murray, R. & H. J., 24 Duane
Nason Mfg. Co., 71 Beekman
Neal & Scott Co., 81 Warren
***New York Belting & Packing Co (Ltd.), 91 Chambers**
Northern Engineering & Supply Co., 246
Ogden, J. Edw. Co., 147 Cedar Water
Olney & Warrin, 66 Centre
Parker, Stearns & Co. (Ltd.), 228 South
Patterson Bros., 27 Park Row
PATTERSON, GOTTFRIED & Hnuter (Ltd.), 211 Centre
Pearson, J. H. Supply Co., 149 Centre
Peck, W. E. & Co., 116 Broad
Pfaff, George, 122 Centre
Pollock, Alex. Co., 208 West
Quinlan, Jas. & Co., 120 Liberty
Read, H. P. Lead Works, 160 E 56th
Roberts, Geo. I. & Bros., 471 4th av
Robertson, Jas. L. & Sons, 48 Warren
ROGERS, HENRY A. CO., 19 John (See adv. index, end of book)
Rumsey Pump & Machine Co., 75 Warren
Saginaw Mfg. Co., 88 Warren
Saner, Nicholas, 534 W 58th
Saunderson & Wright, 485 W B'way
Schule, F. H. Co., 114 Liberty
***Schultz Belting Co. (of St. Louis, Mo.), 111**
Secor, A. W., 65 Fulton Chambers
Sherman-Brown-Clements Co., 78 Murray
SIMMONS, JNO. CO., 110 Centre. (See adv. index, end of book)
Smith, G. & Son, 1858 Lexington av
Starrett & Jones Co., 131 Worth
Staten Island Supply Co., Richmond Ter. & Belmont av
Stephens & Conrow Co., 136 Liberty
STRONG MACHINERY & SUPPLY Co., 48 Franklin. (See adv. index, end of book)
Stroh & Wilson, 420 W 42d
Tucker Tool & Machine Co., 135 Greenwich
Urquhart's, Jno. S. Son Co., 131 Liberty
Walls, Bray & Co., 88 Walker
Watts, John M. Sons, 24 Duane
Welch, Holme & Clark Co., 381 West
Wickes, John C., 290 Pearl
Williams & Wells Co., 250 Fulton
Wilson, O. C. & K. R., 78 Dey

Borough of Queens.

LONG ISLAND CITY—Brodie, Wm., 31 Vernon av
Petry, Jno. W., 63 Vernon av

Borough of Richmond.

WEST NEW BRIGHTON—Staten Island Supply Co.

(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hardware Co.
NORTH TONAWANDA—Knapp-Cramer Hardware Co.
OGDENSBURG—Hackett, Patrick, Hardware
Nash Bros. & Co. Co.
ONEIDA—Cramer & Carpenter
OSWEGO—Oswego Hardware Co., 175 W 1st
Oswego Tool Co.
PALMYRA—Garlock Packing Co.
PEEKSKILL—Naylor Bros.
Wessel, W. F.
PLATTSBURG—Plattsburg Foundry & Machine Co.
ROCHESTER—Barr & Creelman, 72 Exchange
Belting & Machinery Co., 290 State
*Cross Bros. & Co., 114 Mill
Davis, W. P. Machine Co., 130 Mill
Ernst, Louis & Sons, 129 Main, East
Falls, Frank H.
Forster Jno. M. Co., 42 Andrews
Mathews & Boucher, 26 Exchange
Sloan, Saml. & Co., 71 Exchange
Weaver, Palmer & Richmond, 12 Mill
ROME—Jackson, Charles H.
Townsend, Jno. Sons
Wardwell Hdw. Co.
SCHENECTADY—Armer, Wallace
Witbeck, Clark
SENECA FALLS—Rumsey & Co. (Ltd.)
SYRACUSE—Burhans & Black, 136 Salina
Fairbanks & Co., 251 W Fayette
Joy, Edw., 133 Market
McCarty, Chas. C., 300 W Water
McClure, R. C. Co., 329 S Clinton
Syracuse Supply Co. (Ltd.), 314 W Fayette
Tobin, Wm. N., 407 S Clinton
Welch & Kehoe, 214 Montgomery
Wood, C. H. Co., 401 S Clinton
TROY—*Barnum Bros. Co., 179 River
Duckrow, R. A., Boardman blk
Horan, Jas. J. & Co., 215 River
Interstate Machinery Co.
Klock, Danl., Jr., & Co., 10 B'way
***Pine & Co., 745 3d av**
***Troy Belting & Supply Co., 6 Grand**
Warren, J. M. & Co., 245 River

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UTICA—Kavanaugh, Geo. W.
Millar, Chas. & Son Co.
Munson Bros. Co.
Radell & Bowman
Williams, J. H. Co., 6 Devereaux
WATERTOWN—Bradley, Thos. W.
Conde, W. W. Hardware Co.
Hunting Co.
Kalbfleisch Supply Co.
Spratt & Corcoran & Foley Co.
Weeks, John & Son Co., 22 Factory

NORTH CAROLINA.

ASHEVILLE—Asheville Hdw. Co.
Asheville Supply & Foundry Co.
CHARLOTTE—Alexander & Garsed
American Machine & Mfg. Co. (Textile, etc.)
*Charlotte Leather Belting Co.
Charlotte Supply Co.
Cramer, S. W.
General Fire Extinguisher Co.
*Ladew, Edw. R. (Est. of)
Liddell Co.
Mecklenburg Iron Works
Robbins, O. A.
Textile Mill Supply Co.
Washburn, A. H.
ELIZABETH CITY—Jones, D. M. Co.
GOLDSBORO—Dewey Bros.
GREENSBORO—Clymer, L. M.
Greensboro Boiler & Machine Co., Greensboro, N. C.
Greensboro Supply Co.
Odell Hardware Co.
HENDERSON—O'Neill, M. J.
NEWBERN—Gaskill Hardware & Mill Supply Co.
Hyman Supply Co.
Jacobi, N., Hardware Co.
Standard Supply Co., 10 Grace
RAEFORD—Raeford Hdw. Co.
RALEIGH—Raleigh Iron Works Co.
SALISBURY—Salisbury Supply & Commission Co.
SUMTER—Sumter Railway & Mill Sup. Co.
WASHINGTON—Fulford, N. S. Hdw. Co.
McKeel-Richardson Hardware Co.
WILMINGTON—Hyman Supply Co.
Wilmington Iron Works.
WINSTON SALEM—Winston Mill Supply Co.

NORTH DAKOTA.

FARGO—Crane Co. (of Chicago). Est. 1855 (See adv. index, end of book)
Hall-Robertson Hdw. Co.
Harrington, Hubert
JAMESTOWN—Chenery & Anderson

OHIO.

AKRON—*Akron Belting Co. (Belting, Hose, etc.)
Hardware & Supply Co.
Ranney, Fred E.
Rohrbacker & Allen, 66 S Howard
ALLIANCE—Kay, Chas. Y.
ASHTABULA—Crosby Hdw. Co.
Mitchell Hardware Co.
Paine & Ford Co.
Turner & Smith
BUCYRUS—Blair, E.
Pickering, D. & Co.
CAMBRIDGE—Branthoover & Johnston Co. (Also Mine)
CANTON—Allman, W. H., Co.
Canton Hardware Co.
Canton Supply Co.,
Hartung, L. B. Co. (Also Mine)
CINCINNATI—Acme Supply Co., 717 Main
*American Oak Leather Co., Kenner & Dalton av
Bell-Smith Factory Supplies Co., 717 Main
Boebinger Hdw. Co. (also Hardware), 815 E Pearl
*Bradford Belting Co., Walnut & 2d.
Buchanan, Thos. & Co., 210 Elm
Cattell, A. C. Co., 604 Vine
Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
Devon, V. N. & Co., 506 Central av
Dodge Mfg. Co., 128 W 3d
Eagle Counter Leather Co., 416 E 8th
Economy Machinery Co. (Jno. H. Flynn, Prop.), 428 E Pearl
FAIRBANKS, MORSE & CO., 307 Walnut. (See adv. index, end of book)
Fewlass-Leen Brass & Iron Co., 456 E 2d
German-Russell Co., 222 E 9th
Greenwald, I. E. Co., 720 E Pearl
Johnson, Wm. T. Co. (Full Line)
Kinsey, E. A., & oC., 331 W. 4th
Kramig, R. E. & Co., 284 E 6th
McGowan, Jno. H. Co., 54 Central av
Merkel Bros., Canal & Jackson
Monarch Mill & Supply Co., 514 Main
Morris, E. K. & Co.
Nuhring, Chas. & Bro., 907 Walnut
Ohio Rubber Co., 612 Race
Pickering Hardware Co., 5th & Main
Queen City Supply Co., Pearl & Elm
Randal Machinery Co., 1726 Powers
Rowe & Trunnel, 123 W 2d
Straub Machinery Co., 1956 W 6th
Thompson, Walter M., 835 W 5th
Uhlein, Julius & Co., 134 W 2d
Vulcan Supply Co., 120 Syracuse (Also Mine)
Wirthlin-Scallan Co., 331 W 3d (Also Mine)
CLEVELAND—BARTLETT, C. O. & Snow Co. (See adv. index, end of book)
Bingham, W. Co., 142 Water
Boston Woven Hose & Rubber Co. (of Boston, Mass.), 1551 Columbus rd, N. W.
Cleveland Tool & Supply Co., 1515 Columbus rd, N W
Consumers' Rubber Co. (Rubber, etc.), 1407 W 6th, N. W.
FAIRBANKS, MORSE & CO., 99 Water. (See adv. index, end of book)
Garlock Packing Co.
Ingraham, T.
Lake Erie Nail & Supply Co., 412 Frankfort av. (Also Mine)
McIntosh Hardware Corp'n., 116 Superior
Man-Sherwood Supply Co.
National Supply Co., Euclid av
Ohio Rubber Co., 725 St. Clair av, N. E.
PATTISON, W. M. SUPPLY CO., 197 St. Clair av. (See adv. index, end of book)
Philpott, Talcott, Chase Co. 1364 W 3d
Republic Belting Co., 1616 W 3d (Also Mine)
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av., N. W. (See adv. index, end of book)
White Tool & Supply Co., 1318 W 6th, N. W.
Williams, R. A. & Co., 1614 Columbus rd, N W
Worthington, Geo. Co., 802 St. Clair av
COLUMBIANA—Enterprise Mfg. Co. (Sawmill)
COLUMBUS—Case Mfg. Co., Curtis av n St. Clair av
Columbus Brass Co., 212 N Front (Also Mine)
Columbus Mill & Mine Supply Co. (Also Mine), 75 N Front
Columbus Supply Co., 161 N High
Engineers' & Plumbers' Supply Co., 150 N 3d
Keystone Supply Co., 517 Dennison av
Miller, Wm. H. Co., 80 W Broad
Osborne & Sexton Machinery Co., 243 N Front
Potts, B. D., 33 E Spring
Potts, W. B. Machinery & Supply Co., 180 W Broad
Sackett Mine Supply Co., 77 E Long
Scioto Valley Supply Co., Long & 3d (Also Mine)
Smith Bros. Hdw. Co., 32 W Chestnut
Standish Machine & Supply Co., Columbus, O
Tallmadge Hardware Co., 147 N High
Weiman Machine Works, 21 N Scioto st
CONNEAUT—Mitchell Hardware Co.
DAYTON—Gump, Charles A.
Larkin, M. D. Supply Co.
Patterson Tool & Supply Co.
DEFIANCE—Kehnast, W. A. Co.
EAST LIVERPOOL—East Liverpool Foundry, Machine & Supply Co.
Milligan Hardware & Supply Co.
FINDLAY—Adams Bros. Co.
Findlay Foundry & Machine Co.
Went, C. H.
HAMILTON—Hamilton Supply Co.
Larkin, M. D., Supply Co., 325 Market
KENTON—Cantwell, Kinsey & Elder
MARIETTA—Frick & Lindsay Co.
MASSILLON—Oberlin, Charles E.
PORTSMOUTH—Hibbs Hardware Co.
RAVENNA—Waller, C. M.
ST. MARYS—Jasperson, Wm.
St. Marys Machine Co.
SALEM—Salem Hardware Co.
SANDUSKY—Sandusky Plumbing & Boiler Co
SPRINGFIELD—Springfield Hdw. Co., 36 E Main
TOLEDO—Arbuckle, Ryan Co. (Inc.)
Auburndale Hardware Co.
Bostwick-Braun Co.
Groesswiller, Jos. F. Supply Co.
Hardy & Dischinger Co.
Heavy Hardware Co.
Laskey, Elmer A.
National Supply Co.
Star Hardware Co.
Stollberg Hardware Co., 605 Cherry
Toledo Belting Co.
Toledo Rubber Co.
Toledo Saw Co.
Wilcox, M. I. Co., 210 Water
YOUNGSTOWN—Stambaugh-Thompson Co.
Wilkins-Leonard Hardware Co.

OKLAHOMA.

CHIKASHA—Badger Engine Works
Peacock, J. D.
CLEVELAND—American Iron & Supply Co.
FREDERICK—Frederick Mfg. Co.
GUTHRIE—Southwestern Iron Co.
McALISTER—New State Iron & Supply Co.
Union Iron Works (Also Mine)
MUSCOGEE—Reeves-Mayberry Machy. Co.
Union Machine & Foundry Co.
NOWATA—Nowata Hardware & Supply Co.
OKLAHOMA CITY—Crane Co. (of Chicago). Est. 1855 (See adv. index, end of book
Sherman, N. S., Machinery Co.
Tappan, Charles A.
Tomlinson-Mideke Co.
PURCELL—Beringer Hardware Co.
SAPULPA—Boviard Supply Co.
TULSA—Oklahoma Iron Works

OREGON.

ALBANY—Albany Iron Works (Inc.)
BAKER CITY—Basche-Sage Hardware Co.
GRANITE—Lindsay, Guy L. (Also Mine)
GRANTS PASS—Grants Pass Hardware Co. (Also Mine)
Hair-Riddle Hardware Co. (Also Mine)
PORTLAND—Arthur, J. M. & Co., ft lo Taylor
Atkins, E. C. & Co., 60 1st
Atkins, E. C. & Co., 60 1st
Avery & Co., 48 3d
Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., 1st & Stark. (See adv. index, end of book)
Gauld Co., 14 N 1st
Gillen-Chambers Co., 66 Front, N
Goodyear Rubber Co., 4th & Pine
Hammond Mfg. Co., Kamm bldg (Also Mine)
Kline, M. L.
Marshall-Wells Hardware Co. (Also Mine)
Mitchell, Lewis & Staver Co., 14th & Thurman
Nott-Davis Co.
Pacific Coast Rubber Co., 41 1st
Portland Iron Works, 495 Northrup
Simonds Mfg. Co. (of Seattle, Wash.)
Tatum & Bowen, 29 1st
Western Supply Co.
Williamet Iron & Steel Works, 4th & Glisan

PENNSYLVANIA.

ALLENTOWN—Albright, Son & Co.
Allentown Reed, Harness & Mill Supply Co.
Grammes, L. F., & Sons
Hersh, F. Hardware Co.
Taylor, William H. & Co.
Young, M. S. & Co.
ALTOONA—Standard Supply & Equipment Co. (Also Mine)
ASHLAND—Buck, Peter E. & Sons (also Mine)
BEAVER FALLS—Brierly, F. F.
Davidson, W. J.
BLUE BALL—Shirk, P. B.
BRADFORD—Emery Hardware Co.
Oil Well Supply Co.
BUTLER—Campbell, J. G. & W.
CARBONDALE—Clover Leaf Mfg. Co.
CATASAUGUA—Fuller Oil & Supply Co.
Griffin Bros.
CHESTER—Harper Hardware Co.
Howland, Wm. O.
Nuttall, Geo.
Riley, Benj. F.
Wetherill, Robt. & Co.
Wilby, Thos.
CLEARFIELD—Clearfield Machine Shops
Dufton Hardware Co.
Johnston Bros.
Powell, Frank J. (also Mine)
CONNELLSVILLE — Schell Hardware Co. (also Mine)
CONSHOHOCKEN—Batc, Wm. T. & Son
CORRY—Ajax Iron Works
Barlow Hardware Co.
DANVILLE—Danville Foundry & Machine Co.
DUBOIS—Dubois Iron Works (Also Mine)
EASTON—Easton Foundry & Machine Co.
Macan, Jr., Co. (Inc.)
ERIE—Erie Mfg. & Supply Co.
Northwestern Pipe & Supply Co.
United Hardware & Supply Co.
HARRISBURG—Compton, S. B.
Gilbert, Henry & Son
McKillips, A.
Mather, Edmund
HAZLETON—Barber, J. F. & Co.
Bright, J. C. & Co.
Hazleton Machinery & Supply Co. (Also Mine)
Woodring, Jeremiah & Co. (Also Mine)
INDIANA—Keystone Supply Co.

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JOHNSTOWN—Johnstown Supply House (Ltd.)
Swank Hdw. Co. (Also Mine)
KANE—Kane Supply Co.
KINGSTON—Boat, A. J. (Also Mine)
LANCASTER—Central Machine Works
Reilly Bros. & Raub
Sheet Metal & Supply Co.
Steinman Hdw. Co.
LEBANON—Krause, Geo. Hardware Co.
LEWISBURG—Dreisbach's, C. Sons
MEADVILLE—Gill, D. A.
Lord, L. L. Co.
Rhodes, I. M. & Co.
MUNCY—SPROUT, WALDRON & CO. (See adv. index, end of book)
NEW CASTLE—Dickson & Co.
Smith, C. E. Hdw. Co.
Smith, Hutton & Kirk Co.
Welch Hardware Co.
NORRISTOWN—*Keystone Leather Belting
Quillman, Benjamin Works
OIL CITY—Logan, Robert
OSCEOLA MILLS—Stein, S. B. (Mine Supplies a Specialty)
PATTON—Central Supply Co. (Also Mine)
PEN ARGYL—Correll, E. S. (Also Mining Supplies)
PHILADELPHIA—*Alexander Bros., 406 N. 3rd
Army, C. W. & Son, Trenton & Somerset
Belfield, H. & Co. (Packing, Hose, Cement, etc.), 435 N Broad
Bell, H. E. & Co., 201 Church
Billany & Cochrane, 527 Commerce
Billington, Jas. H. & Co., 113 Chestnut
Blakeley, Jno. & Son, 1085 Gtn av
Bond Foundry & Machine Co., 520 Arch
Bowen & Martin, 112 S 2d
Bowman, H. L. & Co., 31 S 4th
Boyd, Jas. & Bro. (Leather, etc.), 14 N 4th
Bullock, C. K., 1357 Ridge av
Chase, Charles F., Phila. Bourse
Cloud Mfg. Co., 1214 Ridge av.
Crane Co. (of Chicago), Est. 1855, 220 S 5th. (See adv. index, end of book)
Deronde, Frank S. Co., 221 N 4th
De Zouche, Hanson & Co., 60 N. Second (also Mine)
Diamond Textile Mch. Wks., C. & Westmoreland
Dodge Mfg. Co., 535 Arch
Etsweiler, Wm. (Leather, etc.), 230 N 3d
Fairbank Co., 701 Arch
Fifer & Beatty, Front st. & Lehigh av.
*Graton & Knight Mfg. Co., 132 N 3d
GRISCOM-SPENCER CO., ft. Washington av. (See adv. index, end of book)
Gwilliam Supply Co., 1339 Ridge av
Haines, Jones & Cadbury Co., 1136 Ridge av
Hanson, Jos., 179 W Lehigh av
Houghton, E. F. & Co., 240 W Somerset
Jefferson, Edw. & Bro., 127 S 2d
Jenkins Bros., 133 N 7th
Kinkerter & Sheppard Co., 4669 Frankford av
*Ladew, Edw. R. (Est. of) 14 S 3d
Latimer, R. L. & Co., 24 N Front
Latta, John S. & Co., 1227 Arch
Leatheroid Mfg. Co., 923 Arch
Levick's, Richard Son & Co. (Rubber Belting, Hose, Packing, etc.), 720 Chestnut
Maddock & Co., 40 N 6th
*Main Belting Co., 1219 Carpenter
Maneely, John, 309 Arch
Manning, Maxwell & Moore, 721 Arch
Manufacturers' Supplies Co., 418 Arch
Mitchell, F. A., 20th & Callowhill sts
Montgomery Bros., 48 N Front
Mulconroy Co. (Inc.), 722 Arch
Naumann, Wm., 4324 Germantown av
Pancoast, Henry B. & Co., 243 S 3d
Paulus, Jos. & Co., 2507 Potter
Pechin, Jno. W., 31 S 3d
Penn Rubber Co., 615 N Broad
Philadelphia Textile Mchy. Co.
Powell, Clouds & Co. (Tools & Supplies)
Quaker City Rubber Co. (Chas. A. Daniel, Prop.) (a full line, also Mfrs. of Daniel's P. P. P. Packing), 629 Market
Rainear, C. J. & Co., 518 Arch
Restein, Clement Co., 139 N 2d
*Rhoads, J. E. & Sons (Leather, etc.), 12 N 3d
Rich, J. & G., 126 N 6th
Savill, Thos. & Sons, 11th & Wood
Schade, Albert, 56 N 2d, Philadelphia, Pa.
*Schieren Chas. A. & Co., 226 N. 3d
Sees & Faber, 2008 N. Front
Shannon, J. B. & Sons, 816 Chestnut
Shultz Belting Co., 116 N. 3d
Smith, Jas. & Co., C nr. Westmoreland
Smith & Furbush Machine Co., N. Hancock
Spaulding & Metcalf, 532 Arch
Standard Supply & Equipment Co. (Also
Standring, Samuel Wire), 1710 Market
Steel Heddle Mfg. Co. (Textile), 2110 W Allegheny av
Townsend, Isaac, 332 Heed bldg
Vance, Jas. M. & Co., 211 Market
Walters', W. P. Sons, 1128 Market
Watt's, Jno. M. Sons, 232 N 3d
Williamson & Cassedy, 526 Market
Wise & Bailey, 108 Walnut
PHILLIPSBURG—Gills, John D. Sons (Mine)
Gowland Mfg. Co.
PHOENIXVILLE—Benjamin, N. H. Co.
PITTSBURG—Acme Sanitary Co., 219 Water
Baird, W. Machinery Co. (also Mine)
Bindley Hardware Co., 429 7th
Briggs Machinery Co., 238 2d av.
Bowman Supply & Mfg. Co., 899 Main
Brown & Zortman Machinery Co., 2525 Liberty
Carlin Machinery & Supply Co., North Side
Childs, H. L., & Co., 249 Water
Dodge Mfg. Co., 337 2d
Fairbanks & Co., 316 2d av. (also Mine)
Flocker, Jno. & Co., 957 Liberty av
Frick & Lindsay Co., 109 Wood
Garlock Packing Co.
Gem Mfg. Co., Spruce nr 33d
Green, L. A. Co., Park bldg.
Harris Pump & Supply Co., 320 2d av
*Hartley-Rose Belting Co., 634 Smithfield
Hukill, Hunter Co., 311 1st av
Johnston, Morehouse & Dickey (Also Mine), 100 Market
Kelly & Jones Co., 135 Water
Keystone Mine Supply Co. (Mine)
*Ladew, Edw. R. (Estate of), 112 Market
Lindsey, J. C. Hardware Co.
Logan-Gregg Hdw. Co., 125 7th
Messenger-Pringle Co., 23 Terminal Way,
OIL WELL SUPPLY CO. (Also Mine), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Phillips, J. & H., 136 6th
Phillips Mine & Mill Supply Co. S S
PITTSBURGH GAGE & SUPPLY CO. (Also Mine), 30th & Liberty av. (See adv. index, end of book)
Pittsburg Rubber & Leather Co., 14 Wood
Pittsburg Supply Co., 439 Water
*Revere Rubber Co., 2 Wood
Shannon Engineering & Contracting Co. (Railroad Supplies of All Kinds), House bldg.
Somers, Fitler & Todd Co., 327 Water
Speck, Marshall & Co., 314 2d av.
Standard Scale & Supply Co., 243 Water
Standard Supply & Equipment Co. (Also Mine), 1151 Liberty av
Trautman, C. Co.
Turner, Chas. A. (Mill, Mine & Railroad Supplies), 14 Market
Wolfe-Lane Hdwe. Co.
Woodwell, Jos. C., 201 Wood
POTTSTOWN—Fegely, J. & Son
POTTSVILLE—Bright & Co.
Pottsville Supply Co. (Principally Mine)
PUNXSUTAWNEY—Brown Hardware Co.
READING—Bard Hardware Co., 800 Penn
Bright & Co., 504 Penn
Connard, Henry (Est. of)
Greth Machine Works (Inc.), 627 Franklin
Oboid, J. H. & Co., 3d & Penn.
Reading Scale & Machine Co., Front & Chestnut
Stichter Hdw. Co. (Ltd.), 505 Penn.
RIDGWAY—Ridgway Mfg. Co.
SCRANTON—Bittenbender & Co., 126 Franklin av
Foote & Becker
Hunt, Alex. E.
Lackawanna Supply Co.
Levi, Beno Co. 409 Penn av
Maloney Oil & Mfg. Co.
Potter, L. B. & Co., 424 6th
Scott, Chas. B., 119 Franklin av
*Scranton Supply & Machinery Co. (Also Mine)
SHARON—Fruit-Ohl & Co. (Also Foundry & Blast Furnace Supplies)
SOMERSET—Schell Hardware Co. (also Mine)
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
Young, E. R. & Sons
TUNKHANNOCK—Billings, Paul & Sons
UNIONTOWN—Johnson Machine Co.
Uniontown Hardware & Supply Co. (also Mine)
WARREN—Pickett Hdw. Co.
WILKES-BARRE—Penna. Supply Co.
Phelps, Lewis & Bennett Co.
WILLIAMSPORT—Darling Pump & Mfg. Co.
Keeler, E. Co. (Ltd.)
Kline & Co. (also Mine)
Link, Jas. H. Machinery Co.
National Foundry & Supply Co.
*Slate's, Geo. Sons
Valley Iron Works
YORK—Farquhar, A. B. Co. (Ltd.)
Small, P. A. & S. Co.
Spangler Mfg. Co.
York Engineering Co.

RHODE ISLAND.

EAST PROVIDENCE—Humes Mfg. Co.
PAWTUCKET—Bray, A. F. & F.
Blackstone-Reed Harness Co.
Duffy Bros. Hardware Co.
Easton & Burnham Machine Co.
Toole, Wm. K. Hardware Co.
*Weatherhead, Thompson & Co.
PROVIDENCE—Allen & Reed (Inc.), 178 Dorrance
*American Supply Co., 135 Washington
Barker, Chadsey & Co., 38 Westminster
Brown Bros. Co., 62 Ex. pl.
Brown, S. R., 54 S Water
Chase, F. A. & Co., 258 W. Exchange
Church, E. C. & Co., 5 Eddy
Conlin, J. C., 275 W. Exchange
General Fire Extinguisher Co., 34 S Water
Godwey, J. A., Reed & Harness Mfg. Co., 40 Clifford
Hawkes, J. Grant Co., 16 Exchange pl.
Hope Rubber Co. (All Kinds of Rubber Goods, etc.), 97 Westminster
Parkinson, Edward
Providence Mill Supply Co., 70 S Main
Providence Belting Co., 27 Charles
Rhode Island Supply & Engineering Co.
Ross, W. D., 220 Eddy
Spencer, Wilton H., 7 Ex. pl
Standard Mill Supply Co., 39 Ex pl
Talcott, W. O., 91 Sabin
Taylor, Chas. F., 15 Custom House
Thomas & Lowe Machinery Co., 66 W Exchange
Thornton Machinery Co., 23 Exchange pl
Union Hardware & Electrical Supply Co., 109 Westminster
U. S. Mill Supply Co., 60 S Water
Vanstone Mfg. Co., Harrison c Westfield
WOONSOCKET—Darling, Chas. H.
Farnum, J. B. Co.
Getchell, S. S. & Son, 44 S Main
Greene, Henry M., 6 S Main
Woonsocket Machine & Press Co.
Woonsocket Supply Co., 125 S Main

SOUTH CAROLINA.

ANDERSON—Sullivan Hardware Co.
CHARLESTON—Bird, W. M. & Co.
Cameron & Barkley Co.
Franke, C. D. & Co.
Valk & Murdoch Iron Works
COLUMBIA—Columbia Mill Co.
Columbia Supply Co.
Gibbes Machinery Co.
Lorick & Lawrance
Southern States Supply Co.
GEORGETOWN—Kaminski Hardware Co.
GREENVILLE—Carolina Supply Co.
Wilkins, Poe & Co.
HARTSVILLE—Hartsville Supply Co.
SPARTANBURG—Charlotte Supply Co.
Ezell, S. B.
Montgomery & Crawford
Spartanburg Machinery Co.
WOODRUFF—Westmoreland, W. B. & Co.

SOUTH DAKOTA.

SIOUX FALLS—Larson Hardware Co.
Duhamel Bros. & Ackerman (also Mine)
Sweeney, Tom, Hardware Co.
WATERTOWN—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

TENNESSEE.

BRISTOL—Mitchell-Powers Hdwe. Co. (Also Virginia-Tennessee Hdwe. Co. Mine)
CHATTANOOGA—Chattanooga Saw Works, 521 Fritts, Tom Hdw. Co., 716 Market Broad
James Supply Co., 1102 Market
Lookout Supply Co.
Magill Hdw. Co., 729 Market
Standard Machinery Co. (Also Mine)
Wheland Foundry & Machine Works
CLARKSVILLE—Elder-Conroy Hdwe. Co.
COVINGTON—Walker, M. A.
JACKSON—Southern Engine & Boiler Works
JOHNSON CITY—Summers-Parrott Hdwe. Co.
KNOXVILLE—Luttrell, S. B. & Co.
McClung, C. M. & Co.
Savage, W. J.
Southern Brass & Iron Co. (also Mine)
Tennessee Mill Supply Co.
MEMPHIS—Atkins, E. C. & Co., 141 N. Main
Bailey, J. A. & Co., 70 S. 2d
Barnes & Miller Hdwe. Co., 151 S. Main
Benodict, Warren & Davidson Co.
Chickasaw Iron Works, 2d & Winchester
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Ellendale Supply Co.

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Ellis, Wm. C. & Sons, 245 Shelby
Kenredy, J. D. Co.
Lee Bros.
Livermore Iron & Supply Store
Pidgeon-Thomas Iron Co.
Reed & Duecker
Reichman-Crosby Co., 209 S Main
Towner & Co.

NASHVILLE—Bouchard, John, & Sons Co.
Bown, T. A. & Co.
Dale, John P.
Fall, J. H. & Co.
Gray & Dudley Hdwe. Co.
Keith, Simmons & Co.
Nashville Plumbers' & Mill Supply Co.
Southern Mill, Mine & Railway Supply Co.
Stewart & Bruckner (Also Mine)
Union Machinery & Supply Co.

TULLAHOMA—Lawson, T. D.
McCoy, H. & Co.

TEXAS.

AUSTIN—Gossard, A. R.
Spaulding Bros.
Tips, Walter

BEAUMONT—Southern Car Mfg. & Supply
Wilson, E. L. Hdwe. Co. Co.

BRENHAM—Roff & Miller

DALLAS—Briggs Weaver Machinery Co.
Continental Gin Co.
Crane Co. (of Chicago), Est. 1855. (See adv. Index, end of book)
Graber, H. W. Machinery Co.
Keating Implement & Machine Co.
Wolfe, B. F. & Co.

DENISON—Hall-Leeper Hardware Co.

EL PASO — El Paso Foundry & Machine Co. (Also Mine)
Krakauer, Zork & Moyle (Also Mine)
Mine & Smelter Supply Co.
Monsen, Gus & Co.

FORT WORTH—Axtell Co.
Gamer Co.
Southern Trading Co.
Texas Mfg. Co.

GALVESTON—Blum Hardware Co.
Brown, J. S. Hardware Co.
Shearn, Paul, Sanitary Plumbing & Mfg. Co.

HOUSTON—Barden Electric & Machinery Co.
Bering-Cortes Hardware Co.
Heitman, F. W. & Co.
Peden Iron & Steel Co.
Smith, Howard Co.

JEFFERSON—Myer, Eugene
Torrans Mfg. Co. (Also Mine)

LUFKIN—Lufkin Foundry & Machine Co.

ORANGE—Sabine Supply Co.

PALESTINE—Dilley, George M. & Son

PARIS—Bettes, H. S., Hardware Co.
Collins & Dulaney

SAN ANTONIO—Alamo Iron Works
Collins-Gunther Co.
San Antonio Mach. & Supply Co.

SHERMAN—Hardwicke-Etter Hdwe. Co.

TYLER—Connally, Walter & Co.

WACO—June, D. & Co.
McLendon, Duncan & Co.
Strauss, Ed.

UTAH.

OGDEN—Lowe, Geo. A. Co. (Also Mine)

SALT LAKE CITY—Crane Co. (of Chicago), (Est. 1855) (See adv. index, end of book)
FAIRBANKS, MORSE & CO., 218 S W Temple. (See adv. index, end of book)
Hutchinson, C. P.
Salt Lake Hdwe. Co. (Also Mine)

VERMONT.

BARRE—Reynolds & Son
Smith, Whitcomb & Cook Co.

BURLINGTON—Manson Hdwe. Co.
Strong Hdwe. Co.

CHESTER DEPOT—Davis, E. J.
Stearns, F. H. Mfg. & Supply Co.

DERBY LINE—Rock Island Hdw. Co.

MONTPELIER—Deming Hdwe. Co.

RUTLAND—Holmes Iron Works
Lincoln Iron Works
Steam Stone Cutter Co.

SPRINGFIELD—La Fountain-Staples Co.
Parks & Woolson Mach. Co.

ST. JOHNSBURY—Hooker, O. V. & Son

WHITE RIVER JUNCTION—Nott, H. L.

WINDSOR—Stone-Payson Co.

WINOOSKI—Stevens Machine Co.

VIRGINIA.

FARMVILLE—Farmville Mfg. Co.

LAWRENCEVILLE—Sledge & Barkley

LYNCHBURG—Alsalle & Martin Co.
Barker-Jennings Hdw. Co.

NORFOLK—Bowen, Jos. H.
De Haven-Dawson
Lumley-Dodson Co.
Mayer & Co.
Perry, Theo. A.
Porter & Moore Co.
Price, S. M. Machinery Co.
Southern Supply Co.
Taylor, W. H. & Co.
Walke, Henry Co.
Westbrook, Jno. D.
Whaley, W. M., & Co.
White, E. V. & Co.

PETERSBURG—Leonard, Charles
Stockdell-Myers Hdw. Co.
Stratton-Bragg Co.

PULASKI—Pulaski Hdw. Co.
Trolinger-Price Hardware Co. (Also Mine)

RICHMOND—Call-Watt Co.
Commonwealth Supply Co., Chamber of Commerce bldg
Frischkorn, Hunter B., 812 E Cary
Gordon Metal Co., 1420 E Carey
Lindsay, Jno. L., 1417 E Main
McGraw, Jas., 1442 E Main
Southern Railway Supply Co., 1328 E Main
Stansill, A. C.
Sydnor Pump & Well Co.

ROANOKE—Nelson Hardware Co. (Also Roanoke Hardware Co. (Also Mine) Mine)
Smith, Courtney Co., 1418 E Clay
Smith-Courtney Co.
Victoria Metal Co.

SALEM—Salem Foundry & Machine Works

SUFFOLK—Folk, E. L. & Co.

WASHINGTON.

ABERDEEN—Griggs Hardware Co.
Vulcan Iron Works (Also Mine)

BALLARD—Hopkins, Paul & Son

BELLINGHAM—Morse Hardware Co.

CENTRALIA—Gillam, H. C.

EVERETT—Agnew Hdw. Co.
Bayside Iron Works
Pacific Hardware Co. (Also Mine)
Sumner Iron Works (Inc.)

OLYMPIA—Mason, C. Z.

SEATTLE—Adair, Geo. B., 309 Occidental av
Atkins, E. C. & Co., 313 2d av S
Boole, Geo., Railroad & Occidental av (Also Mine)
Bowles Company, 107 Jackson
Caldwell Bros. Co.
California Saw Works
Crane Co. (of Chicago), Est. 1855. (See adv. Index, end of book)
FAIRBANKS, MORSE & CO., 309 Occidental av. (See adv. Index, end of book)
Fox, J. E. Saw Works, 828 1st av S
Gorham Rubber Co.
Hallidie Machinery Co., 315 2d S
Hambach, A. Co., 305 1st av, S
Meese & Gottfried Co.
Mill & Mine Supply Co.
Moore, Chas. C. & Co., 218 2d av S
Pacific Iron & Steel Co., 929 Ewing
Puget Sound Machinery Depot
Rubber Mfg. & Distributing Co.
Schwabacher Hardware Co., 1st av & Jackson st (Also Mine)
Seattle Hardware Co., 501 1st av
Simonds Mfg. Co.
Tolman, R. B. & Co., 912 1st, S.
Union Machinery & Supply Co., 201 Jackson
United Iron Works son
Vulcan Iron Works Co., 5th av e Seattle
Washington Rubber Co., 216 Jackson boul
Western Machinery Co.
Zelnicker, W. A. Supply Co., 316 Occidental

SPOKANE—Armstrong Machinery Co. av
Arnold-Evans Co.
Barnard Mfg. Co.
Bradley Engineering & Machinery Co. (Also Mine)
Crane Co. (of Chicago), Est. 1855. (See adv. Index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago, Ill. (See adv. Index, end of book)
Holley, Mason, Hardware Co.
Jensen-King-Byrd Co.s.
McGowan Bros.
Mitchell, Lewis & Staver Co.
National Iron Works
Nott-Atwater Co.
Spokane Hardware Co.
Syphers Machinery Co.
United Iron Works

TACOMA—Caldwell Bros. Co. (of Seattle, Wash.)
Crane Co. (of Chicago, Ill.), Est. 1855. (See adv. Index, end of book)
Hunt & Mottet Co.
Puget Sound Metal Works
Tacoma Machinery & Supply Co.
Walsh & Gardner
Washington Machinery Depot
Washington Rubber Co.

WEST VIRGINIA.

BLUEFIELD—Bluefield Hardware Co. (Also Miller Supply Co. (Also Mine) Mine)

CHARLESTON—Burlew, N. S.
Capitol City Supply Co. (Also Mine)
Charleston Hdw. Co.
Goshorn Hardware Co.s.
Meyer Bros.
South Side Foundry & Machine Works (Also Mine)

CLARKSBURG—Clarksburg Supply Co.
Osborn's, J. F. Sons
West Virginia Mine Supply Co.
Williams & Davisson Co.

ELKINS—Baldwin-Chandler Supply Co.

FAIRMONT—Jacob & Hutchinson (Principally Mining)

GRAFTON—Caveny, J. F.

HUNTINGTON—Banks' Supply Co. (Also Jarvis Machinery & Supply Co. (Mine)
Miller Supply Co. (Also Mine)

NEW CUMBERLAND—Davis-Price Foundry & Machinery Co.

PARKERSBURG—Parkersburg Machine Co.
Stiles Foundry & Supply Co.
Turner, C. H. Co.
Union Hardware Supply Co.

WESTON—Dancer Mfg. & Supply Co.

WHEELING—Berry, Chas. Supply Co.
Howe, A. D. Machinery Supply Co.
Otto-Heiskell Hardware Co.
Spears & Riddle
Trimble & Lutz Supply Co. (Also Mine)

WISCONSIN.

APPLETON—Schlafer Hardware Co.
Tesch, William

ASHLAND—Bretting, C. G. Mfg. Co.

EAU CLAIRE—Brooks, S. C. (Est. of)
Eau Claire Mill Supply Co.
Hobbs, W. H. Supply Co.

FOND DU LAC—Dallman & Cooper Supply Co.

GREEN BAY—Kimball, Chas. T.
Murphy Supply Co.

LA CROSSE—Kroner Hardware Co. (Inc.)
La Crosse Plumbing Supply Co.
Roosevelt, W. A. Co.
Tauschc, V. Hardware Co.

MADISON—King & Walker Co.

MARINETTE—Westland, August

MILWAUKEE—American Machinery & Construction Co., 103 W Water
Badger Machinery Co., 140 W Water
Goodyear Rubber Co., 382 E Water
Gross, Phillip Hardware Co., 126 Grand
Grotenrath, Fred, 111 W. Water av
Hoffmann & Billings Mfg. Co., 100 2d
Milwaukee Factory & Supplies
Milwaukee Leather Belting Co., 137 Sycamore
Packard, O. L. Machinery Co., 105 W Water
Pritzlaff, John Hardware Co.
Rom, Robt. Co., 1101 St Paul av
Rundle-Spencer Mfg. Co., 63 2d
Trostel, A. & Sons, 012 Commerce
Wisconsin Machinery & Mfg. Co., S Canal n Muskego av

OSHKOSH—Barnes, J. A. Machinery Co.
Battis Bros.
Clough & Co.
Hay Hardware Co.

NEENAH—Jamison, Robert
Johnson Bros.
Krueger, Wm. & Co.
Leach, Frank Hardware Co.

RACINE—Hoernel Hardware Co.

RHINELANDER—Dunn & Wood Hardware Co.
Lewis Hardware Co.
Rhinelander Iron Co.
Wood, T. C. Hardware Co.

SHEBOYGAN—Goele, F Hardware Co.
Koepsell, J. J., Hardware Co.

STEVENS POINT—Central City Iron Works
Cook, R. A.

WAUSAU—Murray, D. J. Mfg. Co.

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Milling Attachments

Adams Co., Dubuque, Ia.
Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
Garvin Machine Co., Varick & Spring, New York
Ideal Machine Co., Hartford, Conn.
Kampsmith Mfg. Co., Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Osterlein Machine Co. (Vertical), Cincinnati, Ohio
Porter-Cable Machine Co., Syracuse, N. Y.
Pratt & Whitney Co., Hartford, Conn.

Milling Machines

(See Machines, Milling)

Mills (Adjustable, Hollow)

Geometric Tool Co., New Haven, Conn.
Modern Tool Co. (Hollow Milling Tool), Erie, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Rogers, John M. Works, Gloucester City, N. J.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

*Mills (Alfalfa)

STROUD, E. H., & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

Mills (Attrition)

Barnard & Leas Mfg. Co. ("Hercules," "Sovereign"), Moline, Ill.
Buckeye Iron & Brass Works, Dayton, O.
Caldwell, H. W. & Son Co. ("Foos"), 17th & Western av, Chicago, Ill.
Excel Mfg. Co., Pottersville, N. J.
Munson Bros. Co., Utica, N. Y.
SPROUT, WALDRON & CO. ("Monarch"), Muncy, Pa. (See adv. index, end of book)

Mills (Ball & Pebble)

Abbe Engineering Co., 220 B'way, New York
ALLIS-CHALMERS, Milwaukee, Wis. (See adv. index & branch offices, end of book)
Alsing, J. R. Co. (Tube), 136 Liberty, New York
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Bonnot Company, Canton, O.
Chalmers & Williams (Or Tube), Commercial Nat. Bank bldg., Chicago, Ill.
Davis, F. M. Iron Works Co. ("Ferraris" Ball Mill), Denver, Colo.
Day, J. H. & Co., Cincinnati, O.
Mosser, Wm. F. & Son, Allentown, Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Prosser, Thos. & Son (the Krupp), 15 Gold, New York
Smidth, F. L. & Co., 50 Church, New York
Townsend Furnace & Machine Shop Co. (Ball), Albany, N. Y.
Wellman-Seaver-Morgan Co. (Ball), Cleveland, O.
West Pulverizing Machine Co., Jersey City, N. J.

Mills (Bark)

(See also Grinders, Edging)

Allentown Foundry & Machine Works Co., Allentown, Pa.
Barry & Zecher Co. ("Eureka"), Lancaster, Pa.
Bartley, Wm. & Son ("Shultis") Sectional), Bartley, N. J.
Eureka Bark Mill Co., Lancaster, Pa.
Eyster, Weiser & Co. (Ltd.), York, Pa.
Horn, Wm. H. & Bro., 451 N 3d, Phila., Pa.
Ott, Benj. & Sons ("Ott's" Bark Shaving), La Crosse, Wis.
Shapley & Wells, Binghamton, N. Y.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Waterville Foundry & Machine Co., Waterville, N. Y.
Wickes Bros., Saginaw, Mich.

*Mills (Billet)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Mills (Bone & Shell)

Bell, C. S. Co. ("Don," Hand Bone), Hillsboro, Ohio
Bayley, Wm. Co. ("Bayley" Hand Bone), Springfield, O.
Campbell, P. F., 55 Laurel, Phila., Pa.
Dempwolf, C. H. & Co., York, Pa.
Freeman, S. & Sons Mfg. Co. ("Freeman" Hand Bone), Racine, Wis.
Messinger Mfg. Co. (Hand Bone), Tatamy, Pa.
Miller, L. J. (Bone), Cincinnati, O.
Mountville Mfg. Co. ("Reliable" Hand Bone), Mountville, Pa.
New Winona Mfg. Co. ("Diamond" Hand Bone), Winona, Minn.
Ross, Chas., & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett, A. J., 5th av c 1st, E Baltimore, Md.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Wilson Bros. ("Wilson" Hand & Power Bone), Easton, Pa.

Mills (Boring & Turning)

Barnes, B. F. Co., Rockford, Ill.
Betts Machine Co. (Vertical, 5 to 20 ft. Swing), Wilmington, Del.
Bickford, H. & Co., Lakeport, N. H.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bullard Machine Tool Co. ("Standard"), Bridgeport, Conn.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Colburn Machine Tool Co. (Vertical, 30 to 72-inch swing), Franklin, Pa.
Davis, W. P., Machine Co., Rochester, N. Y.
Detrick & Harvey Machine Co. (Horizontal Drilling, Boring & Milling), Baltimore, Md.
Espen-Lucas Machine Works (Stationary & Portable, Horizontal Multiple Spindle Boring Mills), 342 N 15th, Phila., Pa.
Fox Machine Co., Grand Rapids, Mich.
Franklin Machine Co., Franklin, Pa.
Gisholt Machine Co., Madison, Wis.
King Machine Tool Co. (Vertical, 42, 50, 60 & 72-inch Size), Clifton & Spring Grove avs., Cincinnati, O.
Manning, Maxwell & Moore, 85 Liberty, New York
New Haven Mfg. Co., New Britain, Conn.
Newton Machine Tool Works, 2347 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Poole, J. Morton Co. (Large), Wilmington, Del.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Rogers Machine Tool Co., Alfred, N. Y.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Warner & Swasey Co., Cleveland, O.

Mills (Boring & Turning, Vertical)

(See also Mills, Boring & Turning)

Betts Machine Co., Wilmington, Del.
Bausch Machine Tool Co., Springfield, Mass.
Bullard Machine Tool Co., Bridgeport, Conn.
Gisholt Machine Co. (Boring & Turning, Rapid Operation Tools, Boring, Turning & Drilling), Madison, Wis.
King Machine Co., Clifton & Spring Grove avs., Cincinnati, O.
Rogers Machine Tool Co., Alfred, N. Y.

Mills (Buhr Stone)

Barnard & Leas Mfg. Co. (French Buhr), Moline, Ill.
Campbell, P. F., 55 Laurel, Phila., Pa.
Day, J. H. & Co., Cincinnati, O.
Lamb & Co., Freeport, Ill.
New Winona Mfg. Co. ("Diamond" French), Winona, Minn.
Nordyke & Marmon Co. (All Kinds), 1101 W Morris, Indianapolis, Ind.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
SPROUT, WALDRON & CO. ("Monarch," All Kinds), Muncy, Pa. (See adv. index, end of book)
Starr, B. F. Co. (For Flour & Corn Mills), 455 North Baltimore, Md.
Straub Machinery Co., Cincinnati, O.

Mills (Car Wheel Boring)

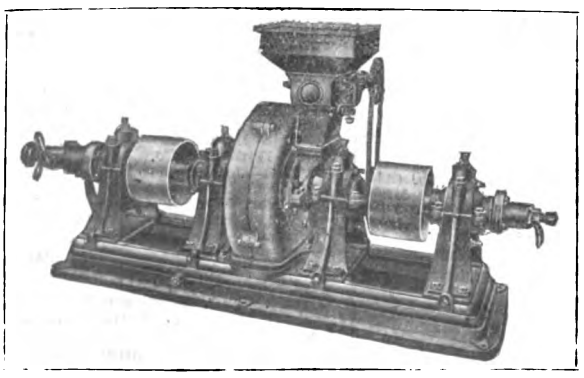
Bickford Drill & Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

*Mills (Charcoal Grinding)

STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

Mills (Chaser)

Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.



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Mills (Chilian)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Chalmers & Williams (Automatic), Commercial Nat. Bk. bldg., Chicago, Ill.
Currier, Cyrus, & Sons, Newark, N. J.
Lane Slow Speed Chilian Mill Co. ("Lane" Slow Speed), Los Angeles, Cal.
Wellman-Seaver-Morgan Co., Cleveland, O.

Mills (Chlorination)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co., Cudahy, Wis.
Stearns-Roger Mfg. Co., Denver, Col.

Mills (Cider & Cider Presses)

(See also Presses, Wine & Cider)

American Seeding Machine Co. Main Office, Springfield, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Boomer & Boschert Press Co., Syracuse, N. Y.
Cardwell Machine Co., Richmond, Va.
Comstock, Geo. S. ("Triumph"), Mechanicsburg, Pa.
Cutaway Harrow Co., Higganum, Conn.
Farquhar, A. B. Co. (Mills & Presser), York, Pa.
Greenville Implement Co., Greenville, Mich.
Hench & Dromgold Co., York, Pa.
Hercules Lever Press Co. (Presses), Irvington,
Hocking Valley Mfg. Co. Lancaster, O. N. J.
Hydraulic Press Mfg. Co. (Presses), Mount Gilead, O.
Keystone Farm Machine Co. ("Jamit," "Medium," "Keystone"), York, Pa.
Klotz Machine Co. (Presses), Sandusky, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Thomas-Albright Co. (Presses), Goshen, Ind.
White, S. R. & Bro., Norfolk, Va.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.

Mills (Cinder)

(See Mills, Water Cinder)

Mills (Cocoa)

Straub Machinery Co., 1956 W 6th, Cincinnati, Ohio

Mills (Coffee or Spice)

Alsing, J. R. Co. (Inc.) (Spice Mills), 136 Liberty, New York
Arcade Mfg. Co. ("Crystal" Family Coffee Mill), Freeport, Ill.
Automatic Coffee Machine Co., West Hoboken, N. J.
Bronson-Wolton Co. ("Monitor"), Cleveland, O.
Campbell, P. F. (Grocers' & Horse Power), 55 Laurel, Phila., Pa.
Deer, A. J., Co. (Electric), Pearl & Seneca, Buffalo, N. Y.
Devlin, Thos. Mfg. Co., Phila., Pa.
Diehl Mfg. Co., Elizabeth, N. J.
Enterprise Mfg. Co. ("Enterprise" Hand & Electric Power), 3d & Dauphin, Phila., Pa.
Hardware & Woodenware Mfg. Co. ("Brighton," "Steareing" & "Excelsior"), 693 Broadway, New York
Hobart Electric Mfg. Co. ("Hobart" Electric Coffee Mills), Troy, O.
Howe Scale Co., Rutland, Vt.
Huntley Mfg. Co., Silver Creek, N. Y.
Landers, Frary & Clark ("Crown," "Universal" & "Regal" Coffee Mills), New Britain, Conn.
Lane Bros. Co. ("Swift"), Poughkeepsie, N. Y.
Parker, Chas. Co., Meriden, Conn.
Reuter-Jones Mfg. Co., 1607 S. 3d, St. Louis, Mo.
Ross, Chas. & Son Co. (Spice), 148 Classon av, Brooklyn, N. Y.
Stimpson Scale & Mfg. Co. (Grocers', Hand & Electric Power), Northville, Mich.
Smith's, Jno. E. Sons Co. (Spice Mills), Buffalo, N. Y.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
SUN MFG. CO. (Family Coffee Mills), Columbus, O. (See adv. index, end of book)
Waddell Woodenware Works Co., Greenfield, O.
Woodruff & Edwards Co. ("Elgin National"), Elgin, Ill.
Wrightsville Hardware Co. ("Premier"), Wrightsville, Pa.

Mills (Concentrating)

(See Mills, Stamp)

Mills (Continuous)

(See Rolling Mill Plants, Continuous)

*Mills (Corn Oil)

ELMES, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Mills (Corn & Cob)

Allentown Foundry & Machine Works (Inc.), Allentown, Pa.
ALLIS-CHALMERS CO. (Corn Mills), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Appleton Mfg. Co., Batavia, Ill.
Barnard & Leas Mfg. Co., Moline, Ill.
Barry & Zecher Co. (B. & Z." "Eureka"), Lancaster, Pa.
Batavia Wind Mill Co., Batavia, Ill.
Bell, C. S. Co., Hillsboro, O.
Bowsher, N. C. Co., South Bend, Ind.
Case Mfg. Co. (Corn), Columbus, O.
Challenge Wind Mill & Feed Mill Co., Batavia.
Colton, G. D. & Co., Galesburg, Ill. Ill
De Loach Mill Mfg. Co. (Corn), Atlanta, Ga.
Eureka Bark Mill Co., Lancaster, Pa.
Excel Mfg. Co., Pottersville, N. J.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Great Western Mfg. Co., Leavenworth, Kan.
Hardware & Woodenware Mfg. Co. (Domestic for Corn, Rice, etc., capacity 4 qts.), 826 Broadway, New York
Kelly, O. S., Co. ("Kelly" Duplex, 2 to 20 H. P.), Springfield, O.
Keystone Farm Machine Co., York, Pa.
Munson Bros. Co. (Corn), Utica, N. Y.
New Winona Mfg. Co. ("Osage"), Winona, Minn.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Robinson Mfg. Co. ("Iron Clad" Corn Ear Crusher), Muncy, Pa.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Salem Iron Works. (Little Giant), Winston-Salem, N. C.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
SPROUT, WALDRON & CO. ("Monarch," All Kinds), Muncy, Pa. (See adv. index, end of book)
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.
Strover Mfg. Co., Freeport, Ill.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
U. S. Wind Engine & Pump Co. (Corn), Batavia, Ill.
Whitehurst, R. W. & Co. (Corn), Norfolk, Va.
Whitman Agricultural Co., St. Louis, Mo.
Wilson Bros., Easton, Pa.

*Mills (Cotter)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Mills (Cyanide)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Denver Engineering Wks. Co., Blake & 30th, Denver, Colo.
Merralls Machinery Co. (Roller Mills), 1123 B'way, New York
Power & Mining Machinery Co., Cudahy, Wis.
Traylor Engineering Co., Allentown, Pa.

Mills (Drug)

Abbe Engineering Co., 220 B'way, New York
Alsing, J. R. Co. (Inc.), 136 Liberty, New York
Automatic Coffee Machine Co., West Hoboken, N. J.
Campbell, P. F., 55 Laurel, Phila., Pa.
Carey, Samuel, 17 State, New York
Colton, Arthur, 184 Brush, Detroit, Mich.
Day, J. H. & Co., Cincinnati O.
Enterprise Mfg. Co. ("Enterprise"), 3d & Dauphin, Philadelphia, Pa.
Hardware & Woodenware Mfg. Co. ("Brighton" Hand Power), 693 Broadway, New York
Holmes & Blanchard Co., Boston, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lane Bros. Co. ("Swift"), Poughkeepsie, N. Y.
National Specialty Mfg. Co., 3d c Lehigh av, Philadelphia, Pa.
Parker, Chas. Co., Meriden, Conn.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Simpson, Jas. S., 26 Rodney, Brooklyn, N. Y.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Stokes, F. J., Machine Co., Phila., Pa.
Straub, A. W. Co., 3737 Filbert, Phila., Pa.
STROUD, E. H. & CO., 30-36 Lasalle, Chicago, Ill. (See adv. index, end of book)
Waterville Foundry & Mfg. Co., Waterville, N. Y.

Mills (Dye Stuff)

Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

Mills (Emery Rock)

SPROUT, WALDRON & CO. ("Monarch"), Muncy, Pa. (See adv. index, end of book)
Sturtevant Mill Co., Clayton c Park, Dor., Boston, Mass.

Mills (End)

American Die & Tool Co. (Shell), Reading, Pa.
Becker Milling Machine Co. (Spiral Fluted, etc.) Hyde Park, Mass.
Boker, Hermann & Co. ("Novo" Steel), 108 Duane, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland O. (See adv. index, end of book)
MORSE TWIST DRILL & MACHINE Co. (With Center Cut & With Spiral Flutes, etc.), New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National," with Spiral Flutes, etc.), Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co. (Straight, Fluted, etc.), Central av, & P. Ry., Cleveland, O.
Sturtevant Mill Co., Clayton c Park Dor., Boston, Mass.
Union Twist Drill Co., Athol, Mass.

Mills (Exhaust Tumbling)

CENTRAL IRON WORKS, Quincy, Ill. (See adx. index, end of book)

Mills (Fanning)

Ames Plow Co., Quincy Hall, Boston, Mass.
Aul, Henry & Son, Lyons, N. Y.
Avery Mfg. Co., Peoria, Ill.
Beeman & Co., Minneapolis, Minn.
Belcher & Taylor Agric. Tool Co., Chicopee Falls, Mass.
Belle City Mfg. Co., Racine, Wis.
Billups, C. Son & Co., Norfolk, Va.
Brennan & Co., Louisville, Ky.
Bristol & Gale Co. ("B & G"), 110 Washington Boul, Chicago, Ill.
Buch's, A. Sons Co., Elizabethtown, Pa.
Campbell, M. Fanning Mill Co., Detroit, Mich.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Cleland, A. V., Minneapolis, Minn.
Dewey Mfg. Co., Winnebago City, Minn.
Dickey, A. P., Mfg. Co., Racine, Wis.
Durling, A. N., Detroit, Mich.
Ferrell, A. T. & Co., Saginaw, Mich.
Foster & Williams Mfg. Co. ("Badger State"), Racine, Wis.
Freeman, S. & Sons Mfg. Co. ("Centennial"), Racine, Wis.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Grant-Ferris Co., Troy, N. Y.
Grollimund, M., Fergus Falls, Minn.
Harder Mfg. Co., Cobleskill, N. Y.
Hirsch Bros., Milwaukee, Wis.
Hosford, Jno., Monroeville, O.
Huntley Mfg. Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Keller Mfg. Co., Sauk Centre, Wis.
Kingman & Co., Peoria, Ill.
Marseilles Mfg. Co., Marseilles, Ill.
Messinger Mfg. Co., Tatamy, Pa.
Miller Bros. Mfg. Co., Alexandria, Ind.
Nash, H. D. & Co., Sacramento, Cal.
Newark Machine Co., Newark, O.
New Winona Mfg. Co., Winona, Minn.
Owatonna Fanning Mill Co., Owatonna, Minn.
Owens, J. L. Co., Minneapolis, Minn.

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Putney, C. H., Lyons, N. Y.
Racine Implement Co., Racine, Wis.
Reist, J. R. & Son, Harrisburg, Pa.
Rowell, J. S. Mfg. Co., Beaver Dam, Wis.
Solar Mfg. Co., Kaukauna, Wis.
Sperry Mfg. Co., Owatonna, Minn.
Trappe, Chas. H., Mascoutah, Ill.
Twin City Separator Co., Minneapolis, Minn.

Mills (Feed Grinding)

Aermotor Co., Campbell av., nr. 12th, Chicago, Ill.
Ajax Mfg. Co. ("Standard"), Allegheny, Pa.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Althouse Wheeler Co. (For Meal, Graham Flour, etc.), Waupum, Wis
American Bell & Foundry Co., Northville, Mich.
American Drill Co., Springfield, O.
Anderson Company, ("Invincible"), St. Paul, Minn.
Appleton Mfg. Co., Batavia, Ill.
Baker Mfg. Co., Evansville, Wis.
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
Batavia Wind Mill Co., Batavia, Ill.
Beery Mfg. Co., Upper Sandusky, O.
Bell, C. S. Co., Hillsboro, O.
Belle City Mfg. Co., Racine, Wis.
Beneca Agricultural Works, Beneca, Cal.
Blue Valley Mfg. Co., Manhattan, Kan.
Bowsher, N. P. Co., South Bend, Ind.
Bristol & Gale Co., 110 Washington Boul., Chicago, Ill.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Buckeye Engine & Foundry Co., Joliet, Ill.
Butler Co., Butler, Ind.
Caldwell & Drake Iron Works (Inc.), Columbus, Ind.
Case Mfg. Co., Columbus, O.
Challenge Co. (Sweep & Belt Power), Batavia, Ill.
Chicago Feed Mill Co., Chicago, Ill.
Colton, G. D. & Co., Galesburg, Ill.
Cook Mfg. Co., Albion, Mich.
Cooper, A. A. Wagon & Buggy Co., Dubuque, Ia.
Cyclone Feed Grinder Co., Lincoln, Neb.
Dain Mfg. Co., Ottumwa, Ia.
Duplex Mfg. Co., South Superior, Wis.
Dutton, E. Q. & Co., Cato, N. Y.
Eagle Machine Co., Lancaster, O.
Elgin Wind Power & Pump Co., Elgin, Ill.
Enterprise Mfg. Co. (Steam & Horse Power), Columbiana, O.
Eureka Fence Mfg. Co., Richmond, Ind.
Excel Mfg. Co., Pottersville, N. J.
FAIRBANKS, MORSE & CO. ("Fairbanks-Morse"), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Flinchbaugh Mfg. Co., York, Pa.
Foos Mfg. Co. (Farmers), Springfield, O.
Fort Scott Feed Mill Co., Fort Scott, Kan.
Globe Foundry & Machine Co., Sheboygan, Wis.
Great Western Mfg. Co., Leavenworth, Kan.
Haven, Jas. L. Co., Cincinnati, O.
Heebner & Sons, Lansdale, Pa.
Hench & Dromgold Co., York, Pa.
Hercules Mfg. Co., Centerville, Ia.
Howell, R. R. & Co., 31st av, c S E 4th, Minneapolis, Minn.
Hutchison, Jno. Mfg. Co., Jackson, Mich.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kaestner & Co. (Inc.), 241 S Jefferson, Chicago, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Kelly & Taneyhill Co., Waterloo, Ia.
Kelly, O. S., Co. ("Kelly" Duplex 2 to 20 H. P.), Springfield, O.
Keystone Farm Machine Co., York, Pa.
Lamb & Co. (Buhr Stone, with or without Sacking Elevator), Freeport, Ill.
Lansing Motor & Pump Co., Lansing, Mich.
Litchfield Mfg. Co., aWterloo, Ia.
Marseilles Mfg. Co., Marseilles, Ill.
McCargar, L. B. Feed Mill Co. ("Lightning" Triple Gear), St. Joseph, Mo.
Messinger Mfg. Co., Tatamy, Pa.
Munson Bros. Co., Utica, N. Y.
New Winona Mfg. Co. ("Diamond"), Winona, Minn.
Ohio Mfg. Co., Upper Sandusky, O.
Patch, A. H., Clarksville, Tenn.
Phillips, T. L. ("Aurora"), Aurora, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rogers Iron Co., Springfield, O.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
St. Albans Foundry & Implement Co., St. Albans, Vt.
Salem Iron Works, Winston Salem, N. C.
Sandwich Mfg. Co., Sandwich, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Smith & Pomeroy Wind Mill Co., ("Eureka") Kalamazoo, Mich.
Snow Mfg. Co., Geneva, Ill.
South Bend Foundry Co., South Bend, Ind.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Spartan Mfg. Co. ("Corn-Belt"), Pontiac, Ill.
SPROUT, WALDRON & CO., ("Monarch," All Kinds), Muncy, Pa. (See adv. index, end of book)
Star Mfg. Co. (Sweep & Belt Power), New Lexington, O.
Starr, B. F. & Co., 455 North Baltimore, Md.
Sterling Mfg. Co., Sterling, Ill.
Stevens, A. W. Co. (Also French Buhr), Mantette, Wis.
Steveus Mfg. Co., Joliet, Ill.
Stover Mfg. Co. ("The Ideal," also with Horse Power Combined), Freeport, Ill.
Straub Machinery Co., Cincinnati, O.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Sundries Mfg. Co., South Bend, Ind.
Thornburgh Mfg. Co. (Triple Geared & Direct Acting Sweep), Bowling Green, O.
Twin City Iron Works, Minneapolis, Minn.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Waterloo Furnace & Feed Mill Co., Waterloo, Ind.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.
Zimmerman, A. A., New Holland, Pa.
Zimmerman Steel Co., Lone Tree, Ia.

Mills for Enamel

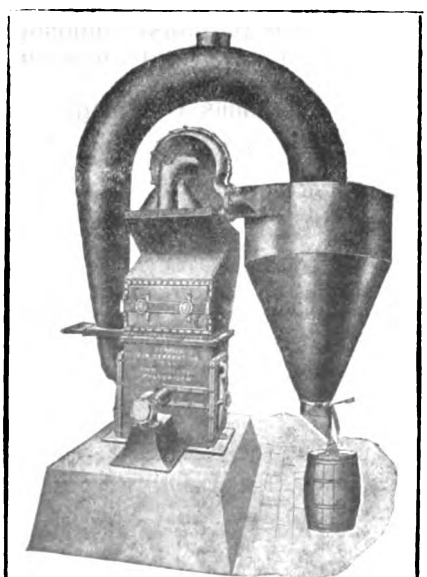
Ross, Chas. & Son Co. ("Eccentric"), 148 Classon av, Brooklyn, N. Y.

*Mills for Grinding Chemicals

BROWN, A. & F. CO., 25 Dey, New York. (See adv. index, end of book)

*Mills (Gold & Silver)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices end of book)



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Mills (Grinding)

(See also Machinery, Pulverizing)

Acton, John, 118 John, Brooklyn, N. Y.
BARTLETT, C. O. & SNOW CO., (Cement, Paint, Spices, etc.), French st, Cleveland O. (See adv. index, end of book)
BRADLEY PULVERIZER CO. ("The "Griffin"), 92 State, Boston, Mass.
BROWN, A. & F. CO. ("Cogswell"), 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Buckeye Iron & Brass Works (Plaster), Dayton, O.
Campbell, P. F. (For Drugs, Fertilizers, Whiting, etc.), 55 Laurel, Philadelphia, Pa.
Carey, Samuel, 17 State, New York
Currier, Cyrus, & Sons (for Plastic Materials), Newark, N. J.
Daniel Wm. Sons Co. (Paint, etc.), Providence, R. I.
Day, J. H. Co., 1144 Harrison av, Cincinnati, O.
De Leach Mill Mfg. Co., Bridgeport, Ala.
Emerick, Geo. S., Nazareth, Pa.
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Excel Mfg. Co., Pottersville, N. J.
Foos Mfg. Co. ("Scientific" Grinding), Springfield, O.
Gump, B. F. Co. (Flour, Drug, Chicory, etc.) S Clinton, Chicago, Ill.
Huntington Dry Pulverizer Co., 120 B'way, New York
Kaestner & Co. (Inc.) (Portable), 241 S Jefferson, Chicago, Ill.
Kent Machine Works, 240 Plymouth, Brooklyn, N. Y.
Kent Mill Co., 170 B'way New York
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)
Lane, G. W. & C. A. ("Lane Giant"), Exeter, N. H.
Lehigh Car Wheel & Axle Wks. ("Fuller Lehigh" Pulverizer), Catasauqua, Pa.
Merralls Mull Co., 140 1st, San Francisco, Cal. ("Improved Muller")
Miller, L. J. (Bone, Grain, Salt, Oil Cake, etc.), 1233 Harrison, Cincinnati, O.
Nebel, M. A., 72 Grand av, Brooklyn, N. Y.
Newell Mfg. Co., 140 B'way, New York
Nordyke & Marmon Co. (Roller & Buhr Stone), Indianapolis, Ind
Noye Mfg. Co., 50 Lakeview av, Buffalo, N. Y.
Raymond Bros. Impact Pulverizer Co., 143 Laflin, Chicago, Ill
Ross, Chas. & Son Co. (French Buhr), 148 Classon av, Brooklyn, N. Y.
Salem Iron Works (French Buhr), Winston-Salem, N. C.
Schultz-O'Neill Co., Minneapolis, Minn.
Simpson, Jas. S. (Bone, Cork, Spice, Oil, Cake, Paint, etc.), 26 Rodney, Brooklyn, N. Y.
Smidth, F. L., & Co. (Cement), 50 Church, New York
Smith, Theodore & Sons Co. ft of Essex, Jersey City, N. J.
SPROUT, WALDRON & CO. (Paint, Cement, Phosphate, Oil, Cake, Cottonseed, etc.), Muncy, Pa. (See adv. index, end of book)
Starr, B. F. Co. (For Flour & Corn Mills), 453 North, Baltimore, Md.
Steadman Foundry & Machine Works, Aurora, Ind.
Straub Machinery Co., Cincinnati, O.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Sturtevant Mill Co. (Cement, Lime, Paint, etc.), Clayton c Park, Dor., Boston, Mass.
Walker & Elliott (Fertilizer, Cement, Phosphate, etc.), Wilmington, Del.
Waterville Foundry & Mfg. Co. (Paint, etc., Hand & Power), Waterville, N. Y.
Wilson Bros. (Bone), Easton, Pa.

*Mills (Hay Grinding)

STROUD, E. H., & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

Mills (Hollow)

Brown & Sharpe Mfg. Co. (With Inserted Blades, etc.), Providence, R. I.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Mills (Huntington)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Chalmers & Williams, Commercial Nat. Bk. bldg., Chicago, Ill.
Power & Mining Machinery Co., Cudahy, Wis.

Mills (Ink Grinding)

Black & Clawson Co., Hamilton, O.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Poole, J. Morton Co., Wilmington, Del.
Ross, Chas. & Son, 148 Classon av, Brooklyn, N. Y.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

Mills (Iron Cinder)

(See also Mills, Tumbling)

Sly, W. W. Mfg. Co. ("Sly" for Saving Iron & Coke from Cupola Dump), Junction rd, Cleveland, O.

Mills (Kaffir Corn & Milo Maize)

Challenge Co. (in the Head), Batavia, Ill.

*Mills (Linseed)

ELMES, CHAS. F. ENGINEERING Works, c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Mills (Mustard)

Automatic Coffee Machine Co., West Hoboken, N. J.
Kelso & Co., 209 S Clinton, Chicago, Ill.
Ross, Chas., & Son Co., 148 Classon av, Brooklyn, N. Y.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

*Mills (Nut Grinding)

STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

Mills (Oil Cake)

BROWN, A. & F. CO. ("Cogswell"), 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Buckeye Iron & Brass Works, Dayton, O.
Campbell, P. F., 55 Laurel, Phila., Pa.
Carey, Samuel, 17 State, New York
Cardwell Machine Co., Richmond, Va.
ELMES, CHAS. F. ENGINEERING Works, Fulton c N Sangamon, Chicago, Ill. (See adv. index, end of book)
Excel Mfg. Co., Pottersville, N. J.
Foos Mfg. Co. ("Scientic" Grinding), Springfield, O.
McLauthlin, Geo. T. Co., Boston, Mass.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
SPROUT, WALDRON & CO. ("Monarch" Attrition & French Burr), Muncy, Pa. (See adv. index, end of book)
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Van Winkle, E. Gin & Mach. Works, Atlanta, Ga.

Mills (Pebble Tube)

(See Mills, Ball & Pebble)

Mills (Plate Rolling)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
United Engineering & Foundry Co., Pittsburg, Pa.

Mills (Prospecting)

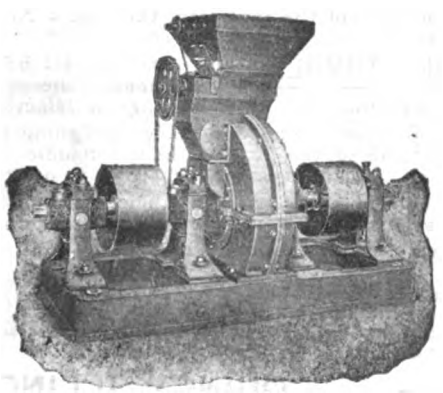
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Union Iron Works Co., San Francisco, Cal.

Mills (Pug)

American Clay Machinery Co., Bucyrus, O.
Arnold-Creager Co., New London, O.
Bonnot Company, Canton, O.
Brewer, H. & Co., Tecumseh, Mich.
Chambers Bros. Co., 52d, bel Lancaster av, Phila., Pa.
Elspass Engineering & Mfg. Co., Denver, Colo.
Freese, E. M. & Co., Galion, O.
Horton Mfg. Co. (Iron & Steel), Painesville, O.
Means Foundry & Machine Co., Steubenville, O.
Michigan Brick & Tile Mach. Co., Morenci, Mich.
Phillips & McLaren, Pittsburg, Pa.
Potts, C. & A. Co., Indianapolis, Ind.
Ross, Chas., & Son Co., 148 Classon av, Brooklyn, N. Y.
Steele, J. O. & Son, Statesville, N. C.
Stevenson Co., Wellsville, O.
United Iron Works Co., Springfield, Mo.
Wallace Mfg. Co., Frankfort, Ind.
Wellington Machine Co., Wellington, O.

Mills (Quartz)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BRADLEY PULVERIZER CO. ("The "Griffin"), 92 State, Boston, Mass.
Downie-Wright Mfg. Co., Rapid City, S. Dak.



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Elspass Engineering & Mining Machy. Co. ("Elspass" Roller), Denver, Colo.
Harron, Rickard & McCone (Inc.), 21 Fremont, San Francisco, Cal.
Hendy, Joshua Machine Works, San Francisco, Cal.
Kent Mill Co., 170 B'way, New York
Krogh Mfg. Co., San Francisco, Cal.
Krom Machine Works (Rolling Toggle & 4 Life Crushers), 170 B'way, New York
Lane, C. C., Los Angeles, Cal.
Modern Mining Machinery Co. ("Little Giant"), Portland, Ore.
Power & Mining Machinery Co., Cudahy, Wis.
Raymond Bros. Impact Pulveriser Co., 143 Ladin, Chicago
Risdon Iron & Locomotive Works, Stewart & Folsom, San Francisco, Cal.
Taylor Bros., Grass Valley, Cal.

Mills (Rice)

BROWN, A. & F. CO. ("Cogswell"), 25 Dey, New York. Works: Elizabethport, N. J. (See adv. index, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
SPROUT, WALDRON & CO. (Polishers, Shelling Stone, Octagon Reels, Polishing Brushes, Trumbles, Separators, Chaff Grinders, Muncy, Pa. (See adv. index, end of book)

Mills (Roller Grinding)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Great Western Mfg. Co. (Also Roller Feed), Leavenworth, Kan.
Nordyke & Marmon Co. (Double Two Pair, High Four Roller & Three Pair, High Six Roller, etc.), Indianapolis, Ind.
SPROUT, WALDRON & CO. (Double Roller, Two-Pair & Three-Pair High, All Sizes), Muncy, Pa. (See adv. index, end of book)
Straub Machinery Co. (Corn & Wheat), 1926 W 6th, Cincinnati, O.

Mills (Rosin)

Barnett, Oscar Foundry Co. (Automatic), Newark, N. J.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Sly, W. W. Mfg. Co., Cleveland, O.
STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

*Mills (Rubber Scrap)

STROUD, E. H. & CO., 36 La Salle, Chicago, Ill. (See adv. index, end of book)

Mills (Rumbling)

(See Barrels, Tumbling & Rumbling)

Mills (Shell End)

Becker Milling Machine Co., Hyde Park, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

*Mills (Slabbing)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)

Mills (Stamp)

ALLIS-CHALMERS CO. (Steam, Gravity & Atmospheric), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Ashland Iron Works, Ashland, Oregon
Caird Engineering Works, Helena, Mont.
Chalmers & Williams, Commercial Nat. Bank bldg., Chicago, Ill.
Colorado Iron Works Co., Denver Colo.
Davis, F. M., Iron Works Co., Denver, Colo.
Denver Engineering Works, Denver, Colo.
FAIRBANKS, MORSE & CO. ("Nissen"), Chicago, Ill. (See adv. index & branch offices, end of book)
Globe Iron Works (Inc.), Stockton, Cal.
Hammond Mfg. Co., Portland, Ore.
Hendy, Joshua Mach. Works, San Francisco, Cal.
Lombard Iron Works & Supply Co., Augusta, Ga.
McFarlane & Co. Mfg. Co., Denver, Colo.
Mecklenburg Iron Works, Charlotte, N. C.
Merralls Machinery Co., 1123 B'way, New York
Mine & Smelter Supply Co., Denver, Colo., & 42 B'way, New York
Montgomery, J. H., Machinery Co., Denver, Colo.
National Iron Works, Spokane, Wash.
Nordberg Mfg. Co., Milwaukee, Wis.
Power & Mining Mach'y. Co., Cudahy, Wis.
Portage Lake Foundry & Machinery Co., Hancock, Mich.
Rapid Economy Stamp Co. ("Richard's"), San Francisco, Cal.
Snyder, Fredk. T. & Co., 324 Dearborn, Chicago, Ill.
Stearns, Roger, Mfg. Co., Denver, Colo.
Vulcan Iron Works, San Francisco, Cal.
Traylor Engineering Co., Allentown, Pa.
Trent Engineering & Machinery Co., Salt Lake City, Utah
Union Iron Works Co., San Francisco, Cal.
Union Iron Works, Spokane, Wash.
Wellman-Seaver-Morgan Co., Cleveland, O.
Willamette Iron & Steel Works, Portland, Ore.

*Mills (Stave Tumbling)

CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)

Mills (Tube)

(See Mills, Ball & Pebble)

Mills (Tumbling)

(See also Barrels, Tumbling & Rumbling)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Sly, W. W. Mfg. Co. (Exhaust Steel), Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Mills (Water Cinder)

CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)
Sly, W. W. Mfg. Co., Cleveland, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Mills (Water Polishing)

CENTRAL IRON WORKS, Quincy, Ill. (See adv. index, end of book)
Sly, W. W. Mfg. Co., Cleveland, O.
WHITING FOUNDRY EQUIPMENT Co., General Office & Works, Harvey, Ill. (See adv. index & branch offices, end of book)

Mills (White Lead)

(See White Lead Machinery)

Mills (Wire Flattening)

Blake & Johnson Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

*Mills & Factories Bought & Dismantled

PFAFF & KENDALL, Ferry & Foundry, Newark, N. J. (See adv. index, end of book)

Mine Supplies

(See Firms in Mill & Factory Supplies, with the word Mine following name)

Mine Supplies (Electric)

Commercial Electrical Supply Co., St. Louis, Mo.
Cooke-Wilson Electric Supply Co., Pittsburg, Pa.
Doubleday-Hill Electric Co., Pittsburg, Pa.
Gee Electric Construction Co., Wheeling, W. Va.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co., 100 William, New York
Lawrence, F. D. Electric Co., Cincinnati, O.
Morris, Elmer P. Co., 72 Trinity pl., New York
Ohio Brass Co., Mansfield, O.
Ridgway Co., Columbus, O.
Sackett Mine Supply Co., Columbus, O.
Union Electric Co., Pittsburg, Pa.
Wesco Supply Co., St. Louis, Mo.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Mine Timbers (Steel)

Carnegie Steel Co., Pittsburg, Pa.

FOUNDRY EQUIPMENT

IMPROVED WATER CINDER MILL—Guaranteed to save 95 per cent. of the iron from the cupola cinders and gangway cleanings, and 80 per cent. of the coke.

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CORE OVENS—Latest improved bureau type adapted to all sizes and classes of work.

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Mineral Wool Mfrs.

American Insulating Material Mfg. Co., Alexandria, Ind.
Banner Rock Products Co., Alexandria, Ind.
Columbia Mineral Wool Co., 112 Clark, Chicago, Ill. Works, So. Milwaukee, Wis.
Hoosier Rock Wool Co., Windfall, Ind.
Union Fibre Co. (Loose & Boards), Winona, Minn.
UNITED STATES MINERAL WOOL Co., 140 Cedar, New York. (See adv. index, end of book)

Miners' Needles & Scrapers

Fulton Tool Works ("Fulton"), Canal, Fulton, O.
Hardsocg, Martin Co., Allegheny, Pa.
Hubbard & Co Pittsburg, Pa.
Klein-Logan Co., Pittsburg, Pa.
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Chesswick"), Cheswick, Pa.
Warwood Tool Co., Wheeling, W. Va.

Miners' Wick

Hoffman-Corr Mfg. Co., 55 White, New York

Mirror Frames (Brass)

Edwardsville Brass Co., Edwardsville, Ill.

Mirrors (Advertising)

Bache, Semon, & Co., West & Hubert, New York

Mirrors (Bath Room)

Ireland & Matthews Mfg. Co., Detroit, Mich.

*Mirrors (Mangin)

RODEFER, T. A., Bellaire, Ohio. (See adv. index, end of book)

Mirrors (Plate Glass)

Allegan Mirror Plate Co., Allegan, Mich.
Anderson, Geo. H., & Co., 281 W. Superior, Chicago, Ill.
Bache, Semon, & Co., West & Hubert, New
Boston Mirror Co., Boston, Mass. York
Crane Glass & Mfg. Co., 206 St. Clair av., N. E., Cleveland, O.
Donnelly, J. R. Co., 54 Classon av., Brooklyn, N. Y.
Empire Mirror & Beveling Co., Alexandria, Ind.
Haskins Glass Co., Rochester, N. Y.
Hires Turner Glass Co., 230 S 30th, Philadelphia, Pa.
Jackson Glass Works, Jackson, Mich.
Jamestown Mirror Works, Jamestown, N. Y.
Louisville Ornamental Glass Co., Louisville, Ky.
Niagara Glass Works, Buffalo, N. Y.
Pittsburg Plate Glass Co., Frick bldg., Pittsburg, Pa.
St. Louis Mirror Co., St. Louis, Mo.
Standard Mirror Co., Buffalo, N. Y.
Tyler & Hippach, 47 E Ohio, Chicago, Ill.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.

Mirrors (Shock)

Allison & Doughty, 451 Greenwich, New York
Bache, Semon, & Co., West & Hubert, New York

*Mitre Boxes

(See also Boxes, Mitre)

IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)

Mitre Scale

Reeves Mfg. Co., Milford, Conn.

*Mixers (Air)

MCRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Mixers (Asphalt)

(See Asphalt Mixers)

Mixers (Bread)

(See Kneading & Mixing Machines)

Mixers (Clay)

Chambers Bros. Co., 52d, bel Lancaster, av, Phila., Pa.
Fernholtz Brick Machinery Co., Boyle & Old Manchester avs, St. Louis, Mo.
Ross, Chas., & Son Co., 148 Classon av., Brooklyn, N. Y.
Scott Mfg. Co., 3rd National Bank bldg., St. Louis, Mo.

Mixers (Concrete)

(See Concrete Mixers)

Mixers (Fertilizer)

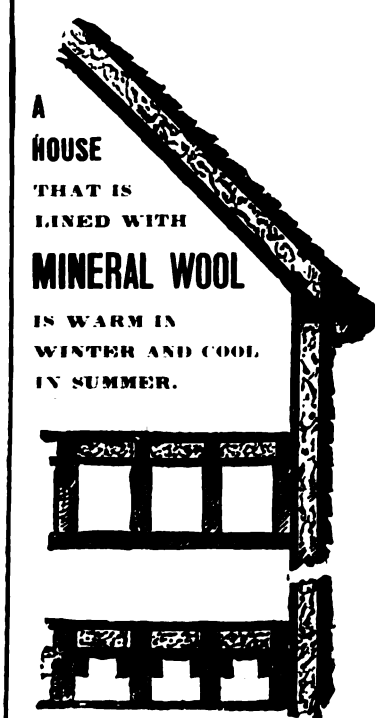
Day, J. H. Co., Cincinnati, O.
Dempwolf, C. H. & Co., York, Pa.
Dempwolf, E. A. & Sons, York, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stedman's Foundry & Machine Works, Aurora, Ind.
Superior Tool & Supply Co. ("Superior" Double), 500 E. Front, Cincinnati, O.
Walker & Elliott, Wilmington, Del.

Mixers (Flour & Baking Powder)

Prima Machinery Co., Battle Creek, Mich.
Ross, Chas., & Son Co., 148 Classon av., Brooklyn, N. Y.

Mixers (Foundry Sand)

Auto Sand Mixer Co., Piqua, O.
Barbour-Stockwell Co. ("Boston"), Cambridge, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Sellers, Wm. & Co. (Centrifugal), 1600 Hamilton, Phila., Pa.



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Mixers (Gas)

Campbell, J. B. Brass Works, Erie, Pa.
Cullen & Atkinson ("Monitor"), Hartford, Conn.
Detroit Brass Works (Natural Gas), Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Hays Mfg. Co., Erie, Pa.

Mixers (Hot Metal)

Pollock, Wm. B. Co., Youngstown, O.
Variety Iron & Steel Works Co. (For Steel Mfrs.), Cleveland, O.

Mixers (Lubricating Compounds)

Ross, Chas., & Son Co., 148 Classon av., Brooklyn, N. Y.

Mixers (Mortar)

(See also Concrete Mixers)

MONIGHAN MACHINE CO. ("Elliott"), 813 Carroll av, Chicago, Ill. (See adv. index, end of book)
Municipal Engineering & Contracting Co., Chicago, Ill.
Teal, Chas. A. (For Ready Mixed Mortar, etc.) 1301 Ridge av, Phila., Pa.
U. S. Concrete Machine Co. ("Grant"), Detroit, Mich.
Walker & Elliott, Wilmington, Del.

Mixers (Paint, Power)

(See Paint Grinding & Mixing Machinery)

Mixers (Paste)

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Grammes, L. F. & Sons, Allentown, Pa.

Mixers (Plaster)

(See also Mills, Grinding)

Day, J. H. Co., Cincinnati, O.
Dunning, W. D., Syracuse, N. Y.
Ehrsam, J. B. & Sons Mfg. Co. ("Enterprise") Enterprise, Kan.
Ross, Chas., & Son Co., 148 Classon av., Brooklyn, N. Y.

Mixers (Sand)

(See Mixers, Foundry Sand)

Mixers (Sausage Meat)

Murray Iron Works Co. ("New Murray" & "Zimmerman"), Burlington, Iowa
Superior Tool & Supply Co. ("Superior" Double) 500 E. Front, Cincinnati, O.

Modelers & Sculptors (Architectural)

ARCHITECTURAL DECORATING CO., 648 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Bailey Co. (Wood), 224 21st, Detroit, Mich.
Bell & Mauch, 28 St. Clair, Chicago, Ill.
Borgia Marble Works, 1133 B'way, New York
Buchner, A. & Co., 220 N 2d, St. Louis, Mo.
Cairns, Hugh, 30 Ipswich, Boston, Mass.
Campbell & Horrigan Marble & Monumental
Church Art Work Co., 151 E 18th, New York
DECORATORS' SUPPLY CO., Archer av. & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
Dittgen & Rapp, 3027 Spencer av, Norwood, O.
Dux, Jos., 132 W. Jackson blvd., Chicago, Ill.
Eastern Ornamental Plaster Co., Brooklyn, N. Y.
Ellin, Kitson & Co., 25th & N River, New York
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Entress, Albert, 597 Main, Hartford, Conn.
Evans, John & Co., Boston, Mass.
Fischer & Jirouch, Cleveland, O.
Forman Bros., 645 Gates av, Brooklyn, N. Y.
Haigermoser, Jos., 250 Randolph, Detroit, Mich
Halstrick, M., 636 South av, Rochester, N. Y.
Harbaugh, A. J. Marble & Granite Works, 4729 Butler, Pittsburg
Harnisch, Ad., Syracuse, N. Y.
Hartley, Jonathan Scott, 145 W 55th, New York
Koppe & Steinichen, 80 Houston, Atlanta, Ga.
Lamb, J. & R. (Inc.), 25 6th av, New York
Langenbahn, August A., 440 7th, Buffalo, N. Y.
Lauter, Chas., 451 W. 28th, New York
Liebold, O., 83 Randolph, Detroit, Mich.
Liesum, Geo., & Co., 228 E. 24th, New York
Maene, Edouard, 312 S. 4th, Philadelphia, Pa.
Milwaukee Ornamental Carving Co., Milwaukee, Wis.
Miranda, Fernando, 16 W 101st, New York
Nygard, Alfred F., 68 Cass, Detroit, Mich.
Rackle, Geo. & Son, Superior & Rossiter, Cleveland, O.
Richard, Louis, 110 West End av, New York
Schellentrager, Louis F., Seneca & Long, Cleveland, O.
Schneider, F. H., Syracuse, N. Y.
SEIFERT, FRANK A. PLASTIC RELIEF Co., 2021-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Shaw & Co., 311 N 15th, Phila., Pa.
Sleep, Elliott & King Co., Inc., 502 W 23d, New York, & 351 Cambridge, Boston, Mass.
Smith, Jos. & Co., 428 E 23d, New York
Stolzenberg Co., 51 Barclay, New York
Tiffany Studios, 347 Madison av, New York
Toguarelli & Voight, 2310 Chestnut, Phila., Pa.
Van Malderen, F., Jurnonville & Ann, Pittsburg, Pa.
Walter, G. E. Co., 157 E 44th, New York

*Modeling Composition ("Plastilina")

SOLTMANN, E. G. (Useful in Every School), 125 E 42d, New York. (See adv. index, end of book)

Models, Trademarks & Monograms (Wood)

Spanger Bros., Newark, N. J.

Models & Experimental Work

(See also Pattern & Model Makers)

Acorn Brass Mfg. Co., 208 Fulton, Chicago, Ill.
Allen, Geo. R., 500 N 13th, Phila., Pa.
Baillard, E. V., Fox bldg, Franklin sq, New York
Baird Machine Co., Oakville, Conn.
Baltimore Pattern & Model Works (Metal & Wood), 218 N Holliday, Baltimore, Md.
Berggren & Pearson Machine Co., 221 Canal, New York
Boyce, Myron J., 534 Hudson, New York
Chadborn & Bledsoe, Kansas City, Kan.
Dressler, C. E. & Bro., 17 Lexington av, New York
Electric Appliance Co., Waterbury, Conn.
Fanning, J. P. (Pattern Maker), 678 Jefferson av, Brooklyn, N. Y.
Globe Machine & Stamping Co., 3368 Hamilton av, Cleveland, O.
Goodwin & Kintz Co., Winsted, Conn.
Griswold, Geo. M., New Haven, Conn.
Hart, Fred'k, Poughkeepsie, N. Y.
Hervey Machine Works, Kansas City, Mo.
Hurd & Haggin, 316 Hudson, New York
Ideal Machine Works, 257 39th, Brooklyn, N. Y.
Lang, J. Electric Co., 176 E Indiana, Chicago, Ill.
Manufacturers & Inventors Electric Co., 84 Nassau, New York
Manahan, J. Archibald, 1007 Park av, New York
NESTOR MFG. CO. (Inc.) 40 W. 13th, New York. (See adv. index, end of book)
Reeves Mfg. Co., Milford, Conn.
Reliance Machine & Tool Works, St. Louis, Mo.
Risser Mfg. Co., 801 W. Lake, Chicago, Ill.
Sommerfeld Machine & Mfg. Co., 220 2d av, Pittsburg, Pa.
Spindler & Deringer, Mercer & Colgate, Jersey City, N. J.
Saylor & Fenn Co., 54 Arch, Hartford, Conn.
Tolhurst Machine Works, Fulton & 6th av.,
United Electric & Apparatus Co., 200 Summer, Boston, Mass.

Moisteners (Envelope)

McClellan Mfg. Co., Elmira, N. Y.

Moistening Apparatus

(See Textile Machinery)

Molds (Babbitt Metal & Solder)

Fanning, J. P., 678 Jefferson av, Brooklyn, N. Y.

Molds (Bar Lead, Buck Shot & Bullet)

Fanning, J. P., 678 Jefferson av, Brooklyn, N. Y.

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Molds (Brick)

Arnold-Creager Co. (Hand & Machine), New Horton Mfg. Co., Painesville, O. London, O.
Louisville Machine Co., Louisville, Ohio
Phenix Manufacturing Co., Humboldt av, cor Centre, Milwaukee, Wis.
Scott Mfg. Co., 3rd National Bank bldg., St. Louis, Mo.

Molds (Button)

Hill Bros. & Co., Williamsburg, Mass.

Molds (Capsule)

Kutz & Gift, Allentown, Pa.

*Molds (Concrete)

AMERICAN CONCRETE CO., 30 William, New York. (See adv. index, end of book)

Molds (Copper)

(See Molds, Gold & Silver Bullion)

Molds (Cylinder)

BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
Clark, H. C., & Son Machine Co., Lee, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Federal Wire Cloth Co., Harrison, N. J.

Molds (Glass House)

American Mold Co., 235 Cherry, Phila., Pa.
Ayars Machine Co., Salem, N. J.
Centre Foundry & Machine Co., Wheeling W. Va.
Donahue, Thos. J., 1518 Warner, Baltimore, Md.
Evans Mold & Machine Co., Uniontown, Pa.
McKee, W. S., 109 Carson, Pittsburg, Pa.
Novelty Mold Works (S. Hipkins, prop.), Martins Ferry, O.
Parsons, W. P. Mfg. Co., Albany, Ind.
Saltsburg Mold Works, Saltsburg, Pa.
Wheeling Mold & Foundry Co., Wheeling, W. Va
Yockel, Chas. & Sons, 1220 N Lawrence, Phila.
Zanesville Mold Co., Zanesville, O. Pa

Molds (Gold & Silver Bullion)

Power & Mining Machinery Co., Cudahy Wis.

Molds (Ingot)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co., Belleville, N. J.
McCormack, J. S. Co., Pittsburg, Pa.
Marshall Foundry Co. (Steel), Pittsburg, Pa.
Penn Engineering Works, New Castle, Pa.
Phila. Roll & Machine Co., Phila., Pa.
Sharon Foundry Co. (Steel), Wheatland, Pa.
Pittsburg Mfg. Co., Pittsburg, Pa.
Riverside Foundry Co., Cleveland, O.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd., N. W., Cleveland, O. (See adv. index, end of book)
Thomas, Jas. E. Co. (Steel), Newark, O.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (Steel), Farmers Bank bldg, Pittsburg, Pa.
West, Thos. D. Foundry Co. (Steel), Sharpsville, Pa.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Youngstown Foundry & Machine Co., Youngstown, Ohio

Molds (Lead Casting)

Eastwood Wire Mfg. Co., Belleville, N. J.
Power & Mining Machinery Co., Cudahy, Wis.

Molds (Lead Hammer)

Field, Chas. H., Providence, R. I.

Molds (Rubber)

Adamson, A., Akron, O.
Akron Foundry Co. (All Sizes & Kinds), Akron, Ohio
Arnold, W. E., Malden, Mass.
Baker, Wm. H. Trenton, N. J.
Barbour Bros., Trenton, N. J.
Birmingham Iron Foundry, Derby, Conn.
Clark, Edred W., Hartford, Conn.
ELMES, CHAS. F. ENGINEERING Works, Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Goodyear Tire & Rubber Co., Akron, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn
Housatonic Machine & Tool Co., Bridgeport, Conn.
Sackmann Mfg. Co. (Inc.), 19 Cherry, Akron, Ohio
Thropp, Jno. E., Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.
Williams Foundry & Machine Co. (Also Dies), Akron, O.

Molds (Rubber Tire)

ELMES, CHAS. F. ENGINEERING Works., c Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Erie Pump & Engine Co. ("Bay State"), Erie, Pa.
Thropp, Jno. E. Sons. Co., Trenton, N. J.

Molds (Solder)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CENTRAL FOUNDRY CO. (Bar, Strap, etc.; also Extension Valve), 37 Wall, New York. (See adv. index, end of book)
Eureka Mold Co., Medford, Mass.
Haydenville Co., Haydenville, Mass.
Kupferle, Jno. C. Foundry Co., St. Louis, Mo.
Miller Iron Co., Providence, R. I.
Modern Iron Works (Half Round Bar), Quincy Ill
Mott, J. L. Iron Works, 118 5th av, New York
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Sayre, L. A. & Co., Newark, N. J.

Molds (Tack)

Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Creswell, Jas. Mfg. Co., Denver, Colo.
Haydenville Co., Haydenville, Mass.
Knapp Mfg. Co., 22 Frankfort, New York
Mueller, H. Mfg. Co., Decatur, Ill.
Peck Bros. & Co., New Haven, Conn.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Springfield Brass Co., Springfield, Mass.
Street & Kent Mfg. Co., 41 Fulton, Chicago Ill
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Molybdenum

(See Ferro-Molybdenum)

Monnot Metals

Duplex Metals Co. (Bars, Rods, Sheets & Wire), 149 B'way, New York. Works, Chester, Pa.

Monuments & Statuary (Bronze)

(See Bronze Monuments & Statuary)

Mop Sticks & Holders

Acme Washing Machine Co. (With Wringer Attached), Columbus, O
Arcade Mfg. Co. ("Gem," "Freeport," "Arcade," "Standard" Screw, "Trojan," "Favorite" & "Climax"), Freeport, Ill.
Ely, T. J., Mfg. Co. ("Dandy"), Girard, Pa.
Erie City Mfg. Co. ("Arrow"), Erie, Pa.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Parks & Parks, Troy, N. Y.
Phillips, A. J. & Co. (Sticks Only), Fenton, Mich.

Mops

Atlanta Variety Works, Atlanta, Ga.
Arcade Mfg. Co., Freeport, Ill.
Auburn Brush & Mop Co., Auburn, Me.
Bay State Mop Co., Woburn, Mass.
Champion Mfg. Co., Indianapolis, Ind.
Cook, W. N., Grand Rapids, Mich.
Erie City Mfg. Co. ("Arrow," Self Winding), Erie, Pa.
Gould, L. L., & Co., Louisville, Ky.
Hamblin & Russell Mfg. Co. ("Champion" Self Wringing), Worcester, Mass.
Hilker, E., 330 Grand av., Chicago, Ill.
Huntington, H., Ladoga, Ind.
Long Union Broom Co., Allegheny, Pa.
Meerse, Adrian, Cincinnati, O.
Ohio Mop Pail & Wringer Co., Oxford, O.
Olmsted & Tuttle Co., Chicopee, Mass.
Peerless Mop Co., La Crosse, Wis.
Phillips, A. J., Co., Fenton, Mich.
Stover Mfg. Co., Freeport, Ill.
Toohey, M. J., Co., Fall River, Mass.

Mops (Cotton)

Blakely, Jno. & Son, 1089 Gtn. av, Phila., Pa.
Bromwell Brush & Wire Goods Co., Cincinnati, O.
Curtis, Wm. H., Woburn, Mass.
Devon Mills (George S. Browne, Prop.), Providence, R. I.
Elkin Mfg. Co., Elkin, N. C.
Estes Mills (Inc.) (Floor & Dish Mops), Fall River, Mass
Massasoit Mfg. Co., Fall River, Mass
Naurath, J. P. & Co., 2 Lispenard, New York
Phillips, A. J., Co., Fenton, Mich.
Stover, Mfg. Co., Freeport, Ill.
Thomaston Mfg. Co. ("Yankee" Self Wringing Mops), Thomaston, N. Y.

Mops (Roofing)

Barrett Mfg. Co., Land Title bldg, Phila., Pa.

Mops (Spring)

Stover Mfg. Co., Freeport, Ill.

Mortar Color Mfrs.

CAROT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn, Chicago, Ill. (See adv. index & branch offices, end of book)
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Chattanooga Paint Co. ("Eclipse"), Chattanooga, Tenn.
Cleveland Iron Ore Paint Co., Cleveland, Ohio
Clinton Metallic Paint Co., Clinton, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
DOGGETT & STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Erwin, Henry, Bethlehem, Pa.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Garry Iron & Steel Co., Cleveland, O.
GROSCHE, BRUNO & CO., 13 Jones la., New York. (See adv. index, end of book)
Horn, A. C., Co., 8 Burling slip, New York
Jamestown Paint & Varnish Co., Jamestown, Pa.
Macneal's Varnish & Color Works, Baltimore, Md.
Mepham, G. S. & Co., East St. Louis, Ill.
Parker, Preston & Co., Inc., Norwich, Conn.
PECORA PAINT CO., (A. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R R, Phila., Pa. (See adv. index, end of book)
Pittsburg Iron Paint Co. ("Keystone"), Allegheny, Pa.
Ricketson Mineral Paint Works ("Red Brick") Milwaukee, Wis.
Rossie Iron Ore Paint Co. (Caloric Red), Ogdensburg, N. Y.
Semple, Frank G., Bethlehem, Pa.
Toch Bros., 320 5th av, New York
Wells, Jas. M. Co., Ogdensburg, N. Y.
Wilhelm, A. Co., Reading, Pa.
Williams, J. K., & Co., Easton, Pa.

Mortar (Patent Soapstone)

American Soapstone Finish Co., Chester Depot, Vt.

Mortar (Prepared)

Higginson Mfg. Co. ("Higginson's," for Plastering & Finishing Walls), Newburgh, N. Y.

Mortars (Crushing)

Power & Mining Machinery Co. (Wet or Dry), Cudahy, Wis.
Wellman-Seaver-Morgan Co., Cleveland, O.

Mortisers (Butt Hinge)

Howells, J. E., Mfg. Co. ("O.-K."), Cincinnati, O.

Mortisers (Chain Saw)

New Britain Machine Co., New Britain, Conn.

Mosaic Cube Importers

Duche, T. M. & Sons, 82 Beaver, New York
Jackson, C. D., ft E 105th & East River, New York

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BOCKMAN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)
Pisani Bros., Astoria (Boro. of Queens), N. Y.
Rossman, Robt., 149 W 24th, New York
Roussel, Albert C., 524 W 50th, New York
Tompkins-Kiel Marble Co., 505 5th av, New York

Mosaics (Ceramic)

Alexander & Reid Co. (Circular), 339 W 26th, New York
American Mosaic Co., 97 Shelby, Detroit, Mich.
Art Mosaic Works, Zanesville, O.
Borgia Marble Works, 1133 B'way, New York
Bradbury Marble Co., 1229 S 2d, St. Louis, Mo.
Bressler, E. A. Co., 26 Laf. av, Detroit, Mich.
California Marble Mosaic Co., San Francisco, Cal.
Caretti, John & Co., 172 Michigan av, Chicago, Ill.
Cascio, S., 797-803 Lexington, Brooklyn, N. Y.
Cassini Mosaic Tile Co., 10 E 7th, Cincinnati, Ohio
CURRIER, E. BRADLEY, CO., 119 W. 23d, & 114 W. 24th, New York. (See adv. index, end of book)
Davis Marble Co., 214 S. 24th, Phila., Pa.
Davis Marble Co., 302 Michigan av, Chicago, Ill.
Donna, J. P. Tile Co., 1634 Park av, New York.
Federal Tile Co., 131 W. 24th, New York
Hawes & Dodd, 24 Adams, Chicago, Ill.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Kramig, R. E. & Co., 234 E 6th, Cincinnati, Ohio
Lage, (Mrs.) Bernard H., 484 Greenwich, New York. Factory: Menlopark, N. J.
Lorenzen, Chas. F. & Co., 278 N. Ashland av, Chicago, Ill.
Manhattan Glass Tile Co., 218 7th av., New York
Mion Bros., Atlanta, Ga.
Murdock-Shaw Co., Boston, Mass.
Pellarin & Co., 82 Greenwich av, New York
Rossman, Robt., 149 W 24th, New York
Sharpless & Watts, 15th & Walnut, Phila., Pa.
Stoltzenberg & Co., 51 Barclay, New York
Tiffany Studios, 347 Madison av, New York
Toscani, J. A. & Co., 154 E 33d, New York
Traitel Bros. & Co., 44 E 19th, New York
Venetian Mosaic & Granitoid Co., 2241 Clark av, St. Louis, Mo.
Weary & Beck, 164 Dearborn, Chicago, Ill.

Mosaics (Glass)

Assembled Tile & Slab Co. (Cut Glass, all Colors), S 16th & Muriel, Pittsburg, Pa.
BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
Church Art Work Co., 151 E 18th, New York
Giannini & Hilgart, 211 E Madison, Chicago, Ill.
Janes, Walter Co. (New Process), 138 W 42d, New York
McLaury, D. H. Marble Co., Walnut av nr 141st, New York
Manhattan Glass Tile Co., 218 7th av., New York
Norcross Co., 1264 Riverbed, Cleveland, O.
Shipway, John H. & Bro., ft. E 136th, New York
Stoltzenberg Co., 52 Barclay, New York
Tiffany Studios, 347 Madison av, New York
Toscani, J. A. & Co., 154 E 33d, New York

Mosaics (Marble)

American Mosaic Co., 386 Commercial, Boston, Mass.
American Mosaic & Tile Co., Louisville, Ky.
BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
Bell Bros. & Co., 22 S 19th, Phila., Pa.
Boote, Alfred Co., 114 W 30th, New York
Borgia Marble Works, 1133 B'way, New York
Bowker, Torrey & Co., 55 Chardon, Boston, Mass.
Buchanan, Jas. M., 2047 Market, Phila., Pa.
Calkins, S. H. Co., 305 N Greene, Baltimore, Md.
Caretti, John & Co., 172 Michigan av, Chicago, Ill.
Cascio, S., 797-803 Lexington av., Brooklyn, N. Y.
Cassini Mosaic & Tile Co., 10 E 7th, Cincinnati, O.
Church Art Work Co., 151 E 18th, New York
Corning, John Herbert, Washington, D. C.
Crawley, George E. & Son, 1 Somerset, Boston, Mass.
CURRIER, E. BRADLEY, CO., 119 W. 23d, & 114 W. 24th, New York. (See adv. index, end of book)
Daly, Jas. C. & Co., 1626 Chestnut, Phila., Pa.
Daprato Statuary Co., 173 W. Adams, Chicago, Ill.
Davidson Bros. Marble Co., ft. of Orleans, Chicago, Ill.
Davis, J. W., Newport News, Va.
Davis Marble Co., 214 S 24th, Phila., Pa.
Davis Marble Co., 302 Michigan av, Chicago, Ill.
De Paoli Mosaic Association, 7 W 7th, Boston, Mass.
Des Moines Marble & Mantel Co., Des Moines, Ia.
Detrick, E. J. Co., 345 4th av, Pittsburg, Pa.
Drake Marble & Tile Co., Minneapolis, Minn.
Empire City Marble Co., 90 West, New York
Federal Tile Co., 131 W. 24th, New York
Fisher, Robert C. Co., E 139th & Locust av, New York
Great Western Marble Works Co., Cincinnati, Ohio
Hall-Kline Co., 1927 Market, Phila., Pa.
Hawes & Dodd, 24 Adams, Chicago
Hutchinson, Wm. Seely, Washington, D. C.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Iversen, J. C. Co., 425 E. Water, Milwaukee, Wis.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
Keating, M. & Sons Co., 224 Wash'n, Chicago, Ill.
Kramig, R. E. & Co., 234 E 6th, Cincinnati, O.
Lamb, J. & R. (Inc.), 25 6th av, New York
Lautz Co., 861 Main, Buffalo, N. Y.
Lorenzen, Chas. F. & Co., 278 N Ashland av, Chicago, Ill.
McLaury Tile Co., 103 Park av, New York
Marbleithic Co., Dayton, O.
Marcus Bros. Co., Memphis, Tenn.
Mart & Lawton, 1123 B'way, New York
Marthens, Chester N. Co., 701 W 53d, Chicago, Ill.
Mion Bros., Atlanta, Ga.
Mosaic Marble & Enamel Co., ft Hudson, Buffalo, N. Y.
Motley, Peter, 750 S Broad, Phila., Pa.
Murdock-Shaw Co., Boston, Mass.
National Mosaic Co., 338 Pennsylvania av, N W, Washington, D. C.
New England Marble Mosaic Co-Operative Co., 147 Orleans, E. B., Boston, Mass.
Norcross Co., 1264 Riverbed, Cleveland, O.
Northwestern Marble & Tile Co., Minneapolis, Minn.
Pellatin & Co., 82 Greenwich av, New York
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Pittsburg Marble Mosaic Co., 3448 Penn av, Pittsburg, Pa.
Rinaldi, L. L. & Co., 263 Atlantic av, Boston, Mass.
Rossman, Robert, 149 W 24th, New York
Salagona & Co., 306 W 13th, New York
Sharpless & Watts, 15th & Walnut, Phila., Pa.
Sherman-Flavin Marble Co., 2519 State, Chicago, Ill.
Shipway, Jno. H. & Bro., Locust av & E 136th, New York
Southern Marble & Stone Co. (Venetian, Roman & Ceramic), Jacksonville, Fla.
Stanton, Bartley A., Cranston, R. I.
Stearns & Waterman, 90 Canal, Boston, Mass.
Stoltzenberg Co., 51 Barclay, New York
Thorman, Jno. H. & Co., 12 McClellan, Baltimore, Md.
Tiffany Studios, 347 Madison av, New York
Toscani, J. A. & Co., 154 E 33d, New York
Traitel Bros. & Co., 44 E 19th, New York
Twin City Tiling Co., 16 North av, Pittsburg, Pa.
Venetian Marble, Mosaic Art Co., 98 Brush, Detroit, Mich.
Venetian Mosaic & Granitoid Co., 2241 Clark av, St. Louis, Mo.
Vincent-Barstow Co., 725 Euclid av, Cleveland, O.
Vulcanite Tile & Mosaic Co., 54 N 6th, Phila., Pa.
Wadsworth, Chester J., 5806 Euclid av, Cleveland, O.
Weary & Beck, First National Bank bldg, Chicago, Ill.
Weller, Anton, 566 B'way, Albany, N. Y.
White & Whitmore, 424 Asylum, Hartford, Conn.
Wilson, A. P. Co., Perry bldg, Phila., Pa.
Young, B. P. Co., Frick bldg, Pittsburg, Pa.

Mosaics (Roman & Venetian)

Art Mosaic & Tile Co., Toledo, O.
BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d st, New York. (See adv. index, end of book)
Cassini Mosaic & Tile Co., 10 E 7th, Cincinnati, O.
CURRIER, E. BRADLEY, CO., 119 W. 23d, & 114 W. 24th, New York. (See adv. index, end of book)
Fisher, Robt. C. & Co., E 139th & Locust, New York
Hyde, F. A. Tiling Co., 113 E 27th, New York
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
JACKSON, WM. H. COMPANY, 29 E 17th (Union Sq.), New York, & 163 Michigan av., Chicago, Ill. (See adv. in-dex, end of book)
Mion Bros., Atlanta, Ga.
Mosaic Marble & Enamel Co., Buffalo, N. Y.
Murdock-Shaw Co., Boston, Mass.
Pellarin & Co., 82 Greenwich av, New York
Sharpless & Watts, 15th & Walnut, Phila., Pa.
Tiffany Studios, 347 Madison av, New York
Toscani, J. A. & Co., 153 E 33d, New York
Traitel Bros. & Co., 44 E 19th, New York
Venetian Mosaic & Granitoid Co., 2241 Clark av, St. Louis, Mo.
Vulcanite Tile & Mosaic Co., 54 N 6th, Phila., Pa.

*Mosquito Netting (Brass, Bronze & Copper)

HUNGERFORD, U. T. BRASS & COP-per Co., 497 Pearl, New York

Moss

American Fiber Co., Jacksonville, Fla.
Atkins & Dubrow, 160 Pearl, New York
Lounsburg, G. H. & Sons, Cincinnati, O.
Payne & Co., Dayton, O.

Moss (Irish)

Haskins, L. M., 10 Long wharf, Boston, Mass.
Keller, Robert, 324 N 2d, Philadelphia, Pa.
Kiewert, Chas. L. Co., Milwaukee, Wis.
Schwenker, W. M., 342 E 92d, New York

Moss (Peat)

Atkins & Dubrow ("O. K. Holland"), 160 Pearl, New York
Baker, John E., Garrett, Ind.
Jackson, H. H. (Mfrs.' Agent), 29 B'way, New York

Moss (Sea)

Payne & Co., Dayton, O.
Selle, H. W. & Co., 216 Lake, Chicago, Ill.

Moss (Tree)

Borgwardt & Ernst Co., 292 W Chicago av, Chicago, Ill.
Charleston Fibre Co., Charleston, S. C.
Froreich & Co., Morgan City, La.
Giles, Geo. & Co., Ocala, Fla.
Kohlman, Louis, New Orleans, La.
Luce, Geo. D., New Orleans, La.
Phoenix Furniture Co., Charleston, S. C.
Schloss, E., Baton Rouge, La.
Theard, Septime L., New Orleans, La.

Motor Boat, Launch & Yacht Builders

(For Designers, see Architects, Naval; See also Ship Builders)

Abercrombie & Fitch Co. (Motor Canoes), 57 Reade, New York
Adams, W. Irving & Son, East Boothbay, Me.
American Boat & Machine Works (Launches, Canoes, Boats, etc.), 3515 S. 2d, St. Louis, Mo.
American Gasoline Motor Co., Baldwinsville, N. Y.
Atlantic Co. (Power Boats, Dory Skiffs, Launches, etc.), Amesbury, Mass.
Benton & Son (Launches), La Crosse, Wis.
Bridgeport Motor Co., Bridgeport, Conn.
Camden, Anchor-Rockland Machine Co., Rockland, Me.
Carleton Boat & Canoe Co. (Boats & Canoes), Old Town, Me.

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Chadakoin Boat Co., Jamestown, N. Y.
Cooley Mfg. Co., Waterbury, Vt.
Daimler Mfg. Co., Steinway av, Long Island City, N. Y.
De Mooy Bros., 1831 E. 55th, Cleveland, O.
Derr, Ralph (Yachts, Launches, Tow Boats, Steel Barges, etc., For Export, a Specialty), Mariners' Harbor, S. I., N. Y.
Detroit Boat Co. (Gasoline, Wooden Boats, Launches and Canoes), Detroit, Mich.
Detroit River Boat & Oar Co. (Boats, Launches, Yachts, etc.), Wyandotte, Mich.
Du Brie Motor Co., 34 Bush, Detroit, Mich.
Dutton Engineering Co., Perth Amboy, N. J.
Edson Boat Co. (Auto Boats), Skaneatles, N. Y.
Electric Launch Co. (Motor Boats, Launches & Yachts, Bayonne City, N. J.
Emmons, E. Gerry, Corp'n, Swampscott, Mass.
Fairfield Motor Co. (Auto Boats, Launches, etc.), Fairfield, Conn.
Fay & Brown Engine Co., Geneva, N. Y.
Fraser Hollow Spar & Boat Co. (Canoes, Launches, etc.), Greenport, L. I.
Gas Engine & Power Co. & Chas. L. Seabury Co., Cons. (Naphtha, Alco-Vapor & Gasoline Auto Boats & Launches & Steam & Sail Yachts), Morris Heights, New York, N. Y.
Globe Iron Works Co., Menominee, Wis.
Godshalk, E. H., Co., Camden, N. J.
G. R. Gas Engine & Yacht Co. (Launches, Yachts, etc.), Grand Rapids, Mich.
Hampton Roads Boat Building Co., Newport News, Va.
Hansen, A. (Motor Boats & Launches), City Island, N. Y.
Hasbrouck Motor Works, New London, Conn.
Hepburn, J. W. (Launches, Boats, etc.), Toledo, O.
Herreshoff Mfg. Co. (Yachts, etc.), Bristol, R. I.
Higgins & Gifford Boat Building Co., Gloucester, Mass.
Hollander & Tangeman ("Fiat" Motor Boats), 3 W 45th, New York
Horton, Boats (Inc.), Rochester, N. Y.
Horton Mfg. Co., Painesville, O.
Hubbard Motor Co., Middletown, Conn.
Hunter-Weckler Boat Co. (Motor Boats, Launches, etc.), McHenry, Ill.
Huntington Mfg. Co. (Yachts), New Rochelle, N. Y.
Jacob, Robert (Yachts), City Island, N. Y.
Jones & La Borde Co., Oshkosh, Wis.
Judkins Show Case Co., E Providence Centre, R. I.
King Folding Canvas Boat Co., Kalamazoo, Mich.
Lake Shore Engine Works (Motor Boats, Launches, etc.), Marquette, Mich.
Lake Torpedo Boat Co. (Submarine Boats), Bridgeport, Conn.
Lamb Boat & Engine Co., Clinton, Iowa
Lane & De Groot Co., 17 Battery pl., New York
Lawley, Geo. & Son Corporation, South Boston, Mass.
Leyare Boat Works, Ogdensburg, N. Y.
Lozier Motor Co. (Motor Boats, Launches, etc.), 55th & B'way, New York
Mack Bros. Motor Car Co. (Motor Boats), Allentown, Pa., & Brooklyn, N. Y.
Madison Boat Co., Madison, Wis.
Matinecock Launch & Power Co., Oyster Bay, L. I., N. Y.
Matthews Boat Co., Port Clinton, Ohio
Medart, Fred (Launches, Boats, etc.), 3585 DeKalb, St. Louis, Mo.
Michigan Steel Boat Co. (Steel Launches, Row Boats, Canoes, etc.), 1250 Jefferson av, Detroit, Mich.
Miller, Geo. H. & Co. (Yachts), Patchogue, N. Y.
Milton Boat Works (Boats, Yachts, etc.), Rye, N. Y.
Minnesota Boat & Power Works, Stillwater, Minn.
Moore Boat Works (Auto Boats, Launches, etc.), Wayzata, Minn.
MULLINS, W. H. CO. (Pressed Steel), 341 Franklin, Salem, O. (See adv. index, end of book)
Murray & Tregurtha Co. (Yachts, Launches, etc.), 340 W 1st, So Boston, Mass.
Neptune Launch & Mfg. Co. (Motor Boats & Launches), Evansville, Ind.
Neumeister, F. P., Rockford, Ill.
New York Kerosene Oil Engine Co., 31 Burling Slip, New York. Works, College Point, New York
N. Y. Yacht, Launch & Engine Co., Morris Heights, New York, N. Y.
Nilson Yacht Bldg. Co., Baltimore, Md.
Nock, F. S. (Boats, etc.), East Greenwich, R. I.
Osborn, W. R., Croton on Hudson, N. Y.
Outing Boat Co. (Launches, Boats, etc.), 108 La Salle, Chicago, Ill.
Palmer Bros., Cos Cob, Conn.
Panhard & Levassor Auto Co. (Motor Boats & Launches, etc.), B'way & 62nd, New York
Peo, Leon L. & Co. (Launches, etc.), Cape Vincent, N. Y.
Perkins Launch & Motor Co. ("Ronomor" Launches), Gloucester, Mass.
Phila. Boat & Engine Co., 1015 N. Front, Phila., Pa.
Pierce Engine Co., Racine, Wis.
Pioneer Boat & Pattern Co., Bay City, Mich.
Pope Mfg. & Construction Co., Fond du Lac, Wis.
Portland Ship Building Co. (Motor Boats, Launches, Yachts), Portland, Me.
Pungs-Finch Co. (Motor Boats, Yachts, etc.), 1524 Jefferson av, Detroit, Mich.
Pussey & Jones Co. (Yachts), Wilmington, Del.
Racine Boat Mfg. Co., Muskegon, Mich.
Ray Car Motor Boat & Machine Co., Inc., College Point, L. I., New York
Reardon, M. F. (Designer & Builder of Boats, Yachts & Launches), Rockaway av. c. Sea View av., Brooklyn, N. Y.
Rice, John V. Jr. & Co. (Auto Boats, Launches, etc.), Bordentown, N. J.
Ripley Hardware Co. (Galvanized Steel Launches), Grafton, Ill.
Ruddock, W. F. (Auto Boats, Launches, etc.), 12 W. 141st, New York
Rushton, J. H. (Boats, Canoes, etc.), Canton, N. Y.
Seaman Motor & Launch Co. (Motor Boats), Branchport, N. J.
Shaefer Mfg. Co., Berlin, Wis.
Sheldon Yacht & Power Boat Corp., Neponset, Boston, Mass.
Stamford Motor Co. (Inc.) (Launches, Motor Boats, etc.), Stamford, Conn.
Standard Motor Construction Co. ("Standard" Motor Boats & Launches), Jersey City, N. J.
Stearns & McKay (Launches, Yachts, etc.), Marblehead, Mass.
St. Joseph Boat Mfg. Co., St. Joseph, Mich.
St. Paul Boat Co. (Motor Boats & Launches), St. Paul, Minn.
Strawbridge Motor Co. ("Peerless" Motor Canoes), 1816 Continental bldg., Baltimore, Md.
Stuart, John & Co., Wollaston, Mass.
Superior Launch Co., Kalamazoo, Mich.
Susquehanna Marine Works Co. (Yachts, Boats, Launches, etc.), Havre de Grace, Md.
Thropp, Jno. E., Sons Co. (Yachts), ft Lewis, Trenton, N. J.
Toppan Boat Mfg. Co. (Dories, Launches, etc.), 7 Hacerhill, Boston, Mass.
Truscott Boat Mfg. Co. ("Truscott" Motor Boats, Launches, etc.), St. Joseph, Mich.
Tuttle, D. M. & Co. (Launches), Canastota, N. Y.
Weller's, Hiram Sons, Trenton, N. J.
Western Launch & Motor Co. (Steam Motor Boats, Launches, etc.), W 210th c Emerson, New York
Williams-Whittelsy Co. (Motor Boats, Steam Yachts, etc.), ft Steinway av, Long Island City, N. Y.
Winona Machine & Boat Works (Launches), Winona, Minn.
Wright, U. G., Paulsboro, N. J.

Motor Cloth

Standard Paint Co. (Ruberoid), 100 William, N. Y.

*Motor Cycle Parts

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Motor Cycles

(See also Bicycle Manufacturers)

American Motor Co. ("Marsh"), Brockton, Mass.
Armac Motor Co. (Armac), 472 Carroll av, Chicago, Ill.
Aurora Automatic Machinery Co. ("Thor"), Aurora, Ill.
Auto-Bi Co., Buffalo, N. Y.
Bradley Motor Co., 268 Diamond, Phila., Pa.
Brown & Beck ("Apache"), Denver, Colo.
Consolidated Mfg. Co. ("Yale," "California"), Toledo, O.
Chicago Motor Cycle Works ("Meteor"), 2436 Southport av, Chicago, Ill.
Crouch Motor Co., Stoneham, Mass.
Curtiss, G. H. Mfg. Co., Hammondsport, N. Y.
Emblem Mfg. Co., Angola, N. Y.
Excelsior Supply Co. ("Excelsior"), 233 Randolph, Chicago, Ill.
Grube, J. W. ("Delaware"), Delaware, O.
Harley-Davidson Motor Co., 317 37th, Milwaukee, Wis.
Hendee Mfg. Co. ("Indian"), 214 Worthington, Springfield, Mass.
Hilaman, A. L. Co., Moorestown, N. J.
Hornecker Motor Co. ("Torpedo"), Geneseo, Ill.
Magnet Motor Co. 302 Michigan av., Chicago, Ill.
Merkel-Light Motor Co. ("Merkel-Light"), Pottstown, Pa.
Miami Cycle & Motor Mfg. Co., Middletown, O.
Minneapolis Motor Cycle Co., Minneapolis, Minn.
Motor Cycle Equipment & Supply Co. ("Erie"), Hammondsport, N. Y.
N. S. U. Motor Co., 206 W 76th, New York
New Era Gas Engine Co., Dayton, O.
Orvington Motor Co. ("F. N."), 2234 B'way, New York

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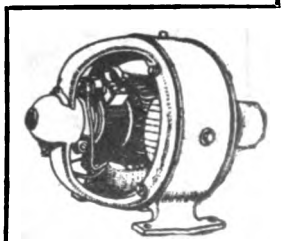
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Pierce Cycle Co., Buffalo, N. Y.
Pope Mfg. Co. ("Columbia," "Tribune" & "Crawford"), Hartford, Conn.
Prospect Motor Co. ("Simplex"), 1900 B'way, New York
Puch Import Co., Princeton, N. J.
Reading Standard Co. ("R.-S."), Reading, Pa.
Reliance Motor Cycle Co., Owego, N. Y.
Royal Motor Works, Worcester, Mass.
Ruggles, H. B., 75 Hicks, Brooklyn, N. Y.
Shaw Mfg. Co., Galesburg, Kan.
Thiem Mfg. Co., Columbia Heights, Minn.
Wagner Motor Cycle Co., 227 St. Peter, St. Paul, Minn.
Walton Motor Co. ("Midget Bi-Car"), Lynbrook, L. I., N. Y.

Motor Lifts

(See Lifts)

Motor Speed Regulators

(See Controllers)

Motor Starters

(See Rheostats)

Motors (Air)

Clark, H. R., Hartford, Conn.
Duke Engine Co. ("Duke Reversible"), Grand Haven, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Underwood, H. B. & Co., 1025 Hamilton, Phila, Pa.

Motors (Alternating Current)

(For Motors, Direct Current, see Firms in Dynamo & Motor Mfrs. with the word Direct following their name)

Advance Electric Co., St. Louis Mo.
ALLIS-CHALMERS CO. ("Bullock") Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bell Electric Motor Co., 133 Liberty, New York.
Bissell, F. Co. (Small Motors), Toledo, O.
Burke Electric Co., Erie Pa.
Century Electric Co., St. Louis, Mo.
Crocker-Wheeler Co., Ampere, N. J.
Emerson Elec. Mfg. Co., St. Louis, Mo.
Engineering Specialty Co. (Small), Stamford, Conn.
FAIRBANKS, MORSE & CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Fidelity Elec. Co. ("Felipse"), Lancaster, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Holtzer-Cabot Electric Co., Brookline, Mass.
Kimble Electric Co. ("Kimble-Gregory"), 324 W Washington, Chicago, Ill.
Lincoln Electric Co., Cleveland, O.
Phoenix Electric Co., Mansfield, O.
Richmond Electric Co., Richmond, Va.
Roth Bros. & Co., 27 S Clinton, Chicago, Ill.
Snyder Elec. Mfg. Co., Canal, Dover, O.
Star Dynamo & Co., Jefferson City, Mo.
Triumph Electric Co., Cincinnati, O.
Wagner Electric Mfg. Co., St. Louis, Mo.
Warren Electric Mfg. Co., Sandusky, O.
WESTINGHOUSE ELEC. & MFG. CO., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Automobile)

(See Engines, Automobile; also Engines, Gas or Gasoline; also Engines, Marine, Gasoline; also Motors, Electric)

Motors (Battery or Toy)

Carlisle & Finch Co., Cincinnati, O.
Elbridge Electrical Mfg. Co., Elbridge, N. Y.
Geen Electrical Mfg. Co. ("Success" Dynamo Motor), 180 Lake, Chicago, Ill.
Ithica Elec. Novelty Co. ("Elesco"), Ithaca, N. Y.
Jones & Gross Elec. Co., 62 Vesey, New York
Kendrick & Davis ("Porter," "Ajax," "K. & D.," "Kent," "Tesla," "Rex," "Standard," "Manchester," "Juno"), Lebanon, N. H.
Lionel Mfg. Co. ("New Departure"), 4 White, New York
Niagara Specialty Works, Manlius, N. Y.
Ohio Electric Works ("Albert"), Cleveland, O.
Swope, Henry R., 120 N 7th, Phila., Pa.
Voltamp Electric Mfg. Co., Baltimore, Md.
Williams, E. Q., Syracuse, N. Y.
Wizard Co. (Sales Dept. Jove Mfg. Co.), 32 W Quincey, Chicago, Ill.

Motors (Buffing)

Dilg Mfg. & Trading Co. ("Acme," for Polishing & Refinishing Silverware & other Metal Ware for Hotels, Clubs, etc.), 663 E 163d, New York
Holtzer-Cabot Electric Co. (Electric Alternating Grinding & Buffing), Brookline, Mass.
Northwestern Mfg. Co. ("Browning"), Milwaukee, Wis.
Robbins & Myers Co. (The), Springfield, O.
Snyder Electric Mfg. Co., Canal Dover, O.

Motors (Dental)

Holtzer-Cabot Electric Co. (Electric), Brookline, Mass.
Robbins & Myers Co. (The), (Direct Current), Springfield, O.

Motors (Direct Current)

(See Dynamo & Motor Manufacturers)

* Motors (Direct Current Railway)

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)



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BECAUSE they are Skillfully Designed, Strongly Built and Liberally Rated

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Motors (Electric)

(See also Dynamo & Motor Manufacturers)

Aaron Electric Co. (Direct Current), 141 S Clinton, Chicago, Ill.

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Bell Electric Motor Co. (Single Phase Alternating & Direct), 133 Liberty, New York

Benton, Thos. P. & Son ("Multi-Polar" & "Bi-Polar" Direct Current), La Crosse, Wis.

Burke Electric Co. (Direct & Alternating), Erie, Pa.

Century Electric Co. ("Century," Single Phase), 404 N 4th, St. Louis, Mo.

Cushman Elec. Co., ("Cushman"), Concord, N.H.



Starting rheostats and speed regulators for all types of electric motors. THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis.

Dayton Electrical Mfg. Co. (Up to 1-8 H. P.), Dayton, O.

Eck Dynamo & Motor Works (Types 1-32 to 20 H. P.), Belleville, N. J.

Elwell-Parker Electric Co. (Slow Speed), Cleveland, O.

Emerson Electric Mfg. Co., 2030 Wash'n av, St. Louis, Mo.

FAIRBANKS, MORSE & CO. (Alternating & Direct Current), Wabash av & Eldredge pl

Federal Electric Co. (For General Power Purposes), North Girard, Pa.

Fidelity Electric Co. (1-20 to 20 H. P.), Lancaster, Pa.

Garden City Fan Co., Fisher Bldg, Chicago, Ill.

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, N. Y. (See adv. index & branch offices, end of book)

Guarantee Electric Co. ("Kimble-Gregory"), Chicago, Ill.

Ideal Electric & Mfg. Co. (Alternating Current, Single Phase, Elevator, etc.), Mansfield, O.

Imperial Electric Co. (Constant & Variable Speed, Smallest up to 75 K. W.), Akron, Ohio

Janta & Leist Electric Co. (Enclosed Type, 1½ to 15 h. p.), 806 Elm, Cincinnati, O.

Kinetic Electric Co., 16 S. Schell, Phila., Pa.

Lincoln Electric Co. (Small), Cleveland, O.

MECHANICAL APPLIANCE CO. ("Watson" Direct Current, Single & Polyphase Alternating), Milwaukee, Wis. (See adv. index & branch offices, end of book)

National Brake & Electric Co. ("Ceco"), Milwaukee, Wis.

New England Motor Co., Lowell, Mass.

Northern Electrical Mfg. Co. (⅛ to 2 h-p.), Madison, Wis.

Northwestern Mfg. Co. ("Browning"), Milwaukee, Wis.

Parsell & Weed ("Alvord"), 129 W 31st, New York

OTIS ELEVATOR CO., 17 Battery pl, New York. (See adv. index & branch offices, end of book)

PHOENIX ELECTRIC COMPANY (Direct & Alternating), Mansfield, O. (See adv. index, end of book)

Portland Co. (Slow Speed), Portland, Me.

Reliance Electric & Engineering Co. (Variable Speed), Cleveland, O.

Richmond Electric Co. (1 to 50 h-p., Direct Current), Richmond, Va.

Robbins & Myers Co. ("Standard"), Springfield, O.

Rossmassler-Bonine Electric Co., 1236 N. Orkney, Phila., Pa.

Snyder Electric Mfg. Co. (1-30 to 3 H. P.), Canal Dover, O.

Sprague Electric Co. (Direct Current), 527 W. 34th, New York

Sterling Electric Motor Co. (Small Direct Current, up to 15 h-p.), Dayton, O.

Stow Mfg. Co. (Multi-Speed), Binghamton, N. Y.

Sturtevant, B. F. Co., Hyde Park, Mass.

Submerged Elec. Motor Co., Menomonie, Wis.

Swing Electric Co. (¼ to 15 H. P.), Cincinnati, O.

United Pump & Power Co. ("Thompson"), Old Colony bldg, Chicago, Ill.

Wagner Electric Mfg. Co. ("Schuler" Single Phase Alternating, etc.), St. Louis, Mo.

Western Electric Co. (Direct & Alternating), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

WESTINGHOUSE ELEC. & MFG. CO. (Direct Current), Union Bank Bldg., Pittsburg, Pa. (See adv index & branch offices, end of book)

Whittingham Mfg. Co., Baltimore, Md.

Motors (Electric Crane)

Crocker-Wheeler Co., Ampere, N. J., & 39 Cortlandt, New York

GENERAL ELECTRIC CO., Schenectady, N. Y., 30 Church, New York. (See adv. index & branch offices, end of book)

MECHANICAL APPLIANCE CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)

Sprague Electric Co., 527 W. 34th, New York

Western Electric Co., 259 S. Clinton, Chicago, Ill., & 57 Bethune, New York

WESTINGHOUSE ELEC. & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Electric Elevator)

Crocker-Wheeler Co., Ampere, N. J., & 39 Cortlandt, N. Y.

Federal Electric Co., North Girard, Pa.

Ideal Electric & Mfg. Co. (Ideal Special), Mansfield, O.

Imperial Electric Co., Akron, O.

Lincoln Electric Co., Cleveland, O.

MECHANICAL APPLIANCE CO, Milwaukee, Wis. (See adv. index & branch offices, end of book)

Northwestern Mfg. Co. ("Browning" Reversible), Milwaukee, Wis.

PHOENIX ELECTRIC COMPANY (Direct & Alternating), Mansfield, O. (See adv. index, end of book)

Portland Co., Portland, Me.

Robbins & Myers Co. (The), Springfield, O.

Triumph Electric & Ice Machine Co. ("Triumph"), 610 Baymiller, Cincinnati, O.

Wagner Electric Mfg. Co. (Alternating Current), St. Louis, Mo.

WARNER ELEVATOR MFG. CO., Spring Grove av, Alfred & Valley, Cincinnati, O., & 1183 B'way, New York. (See adv. index and branch offices, end of book)

WESTINGHOUSE ELECTRIC & MFG. CO. Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Electric Fan)

Colonial Fan & Motor Co., Warren, O.

Emerson Electric Mfg. Co. (Alternating, Desk Bracket & Ceiling), 2030 Wash'n av, St. Louis, Mo., & 136 Liberty, New York

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

MECHANICAL APPLIANCE CO. (Direct & Alternating Current, Ventilating), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Menominee Electric Mfg. Co., Menominee, Mich.

Peerless Electric Co., Warren, Ohio.

PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)

Ravenna Lamp Works (Direct Current, Desk & Ceiling), Ravenna, O.

Robbins & Myers Co. ("Standard"), Springfield, Ohio

Sprague Electric Co., 527 W. 34th, New York

Towle, Geo. C. Mfg. Co., Lancaster, Pa.

Warren Electric & Specialty Co., Warren, O.

Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

WESTINGHOUSE ELEC. & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Electric, for Flexible Shaft)

Snyder Electric Mfg. Co. Canal Dover, O.

Sprague Electric Co., 527 W. 34th, New York

Stow Flexible Shaft Co., Phila., Pa.

*Motors (Electric Mining)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

WESTINGHOUSE ELEC. & MFG. CO., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)



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PHOENIX ELECTRIC CO., MANSFIELD OHIO

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Motors (Electric Railway)

(See Generators, Street Railway)

*Motors (Electric, Single Phase Railway)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Electric Toy, Etc.)

(See Motors, Battery & Toy)

Motors for Automatic Pianos, Etc.

(See Motors, Organ)

Motors (Gasoline)

(See Engines, Automobile; also Engines, Gas or Gasoline; also Engines, Marine, Gasoline)

Motors (Gasoline, Farm)

Ivel Agricultural Motor Co. ("Ivel"), Stock Exchange bldg, Chicago, Ill.
Thomas Wagon Co., Vernon, N. Y.

*Motors (Gasoline Turntable)

FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

Motors (Induction)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO. (Alternating Current), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Ideal Electric & Mfg. Co., Mansfield, O.
MECHANICAL APPLIANCE CO. (¼ to 10 H. P.), Milwaukee, Wis. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Richmond Electric Co. (1 to 50 h-p.), Richmond, Va.
Western Electric Co., 259 S Clinton, Chicago, Ill.
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Naphtha)

Gas Engine & Power Co. & Chas. L. Seabury & Co. (2 & 4 Cycle), Morris Heights, N. Y.

Motors (Organ)

(See also Motors, Water)

American Steam Pump Co. (Hydraulic), Battle Creek, Mich.
Barker, H. E. Mfg. Co., Lowell, Mass.
Bishop & Babcock Co., 49th & Hamilton av, Cleveland, Ohio
Kipp, A., Jr., Ossining, N. Y.
Organ Power Co. ("Spencer," Water & Electric), Hartford, Conn.
Rhodes, L. E. ("Spencer"), Hartford, Conn.
Roberts, Geo. J. Co., Dayton, O.
Ross Valve Mfg. Co. ("Ross" Water Engines), Troy, N. Y.
Whitney, F. E. (The Boston), 65 Sudbury, Boston, Mass.

Motors (Organ Blowing, Electric)

Diehl Mfg. Co., Elizabeth, N. J.
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Robbins & Myers Co. (The), Springfield, O.
Sprague Electric Co., 527 W. 34th, New York

*Motors (Piano, Automatic)

MECHANICAL APPLIANCE CO. (Electric), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Motors (Pneumatic)

(See Pneumatic Motors)

Motors (Sewing Machine)

Diehl Mfg. Co., Elizabeth, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Robbins & Myers Co. (The), Springfield, Ohio
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank Bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Single Phase, Electric)

(See Motors, Induction)

*Motors (Synchronous)

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Motors (Textile Machinery)

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Motors (Valve)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Motors (Variable Speed)

Cushman Electric Co., Concord, N. H.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Imperial Electric Co., Akron, O.
PHOENIX ELECTRIC CO. (Self starting), Mansfield, O. (See adv. index, end of book)
Reliance Electric & Engineering Co., Cleveland, O.

Motors (Water)

Althouse-Wheeler Co. ("Waupun"), Waupun, Wis.
American Water Motor Co. ("American" Automatic), Columbus, O.
Backus Water Motor Co., Newark, N. J.
BLAKE, GEO. F. MFG. CO., 115 Broadway, New York. (See adv. index & branch offices, end of book)
Buckeye Motor Mfg. Co., Dayton, O.
Carlisle & Finch Co., Cincinnati, O.
Cassel Automatic Water Motor Co., Seattle, Wash.
Chicago Water Motor & Fan Co., 40 Dearborn, Chicago, Ill.
Dayton Fan & Motor Co., Dayton, O.
Dicke Tool Co. (For Washing Bottles), Downers Grove, Ill.
Divine Water Motor Co. ("Divine"), Utica, N. Y.
Erwin Hydraulic Machinery Co., 204 Grand av, Milwaukee, Wis.
Gaylord & Eitapence ("Climax"), Binghamton, N. Y.
General Fire Extinguisher Co., Providence, R. I.
Gilmore Electric Co. ("Little Giant"), 625 E 1st, Boston, Mass.
Hunter Fan & Motor Co. ("Syracuse," "Tuerk"), Fulton, N. Y.
Indiana Fan Co., Indianapolis, Ind.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lippincott, S. M., Co., Newark, N. J.
Little, Thos. A., Wheeling, W. Va.
Miller Foundry & Specialty Co. (With Emery & Buffing Wheels), North Tonawanda, N. Y.
Monarch Specialty Mfg. Co. ("Monarch"), Columbus, O.
Organ Power Co. ("Spencer"), Hartford, Conn.
Patterson Tool & Supply Co., Dayton, Ohio
Pelton Water Wheel Co. (Also Direct Connected), Monadnock bldg., San Francisco, Cal., & 90 West, New York
Rhodes, L. E., Hartford, Conn.
Roberts, Geo. J. Co., Dayton, O.
Rosenberg, A. Motor & Mfg. Co. ("Polar," "Arctic"), Baltimore, Md.
Ross Valve Mfg. Co. (For Pumping Organs), Troy, N. Y.
Russell, Jno. W. ("Hercules"), Springfield, Mass.
Spears & Riddle Co. (For Washing Machines), Wheeling, W. Va.
Specialty Mfg. Co., Indianapolis, Ind.
Smith, M. I. (Little Hustler), Bristol, Conn.
Tuerk Water Motor Co., 122 La Salle, Chicago, Ill.
Valle & Kimes ("V. & K." & "Dayton" Automatic), Dayton, O.
Whitney, F. E., 65 Sudbury, Boston, Mass.

Mouldings (Carved)

American Carving & Mfg. Co. (Carved, Rope & Beaded), 900 Granville av, Grand Rapids, Mich.
Central Planing Mill & Lumber Co., 3d & Q, Louisville, Ky.
Chicago Mill Work Supply Co., cor. 22d & Sangamon, Chicago, Ill.
Dwight Lumber Co. (Also Plain), Rouge River & M. C. R. R., Detroit, Mich.
Foster-Munger Co. (For the Trade Only), W 20th & S Sangamon, Chicago, Ill.
Gauger, Jno. A., & Co., W 22d & Laflin, Chicago, Ill.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
Hartmann, Malcolm, Co., 18 N. Jefferson, Chicago, Ill.
Hinner's, E. H. Sons, Edgewater, N. J.
Hyde-Murphy Co., Ridgway, Pa.
Leslie, Jno., 138 W 15th, New York
McKay, A., & Co., 325 S. Desplaines, Chicago, Ill.
McMillen, R. Co. (For the Trade Only), Oshkosh, Wis.
Morgan Co. (For the Trade Only), Oshkosh, Wis., & W 22d & S Union, Chicago, Ill.
New York Carved Moulding Co., Rider av & 139th, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Palmer, Fuller & Co., 2244 Lumber, Chicago, Ill.
Peirce, W. E. & Co., Milliford, N. H.
Poppert, Geo. Mfg. Co., Milwaukee, Wis.
Roberts, E. L. & Co. (For the Trade Only), W 22d & Union pl, Chicago
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Vicker, G. P. Mfg. Co., Louisville, Ky.
Waccamaw Lumber Co., Bolton, N. C.
Waddell Mfg. Co., Grand Rapids, Mich.

Mouldings (Composition)

(See Ornaments, Composition)

Mouldings (Copper, Brass & Bronze)

Ansonia Brass & Copper Co., Ansonia, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Cowles, C. & Co. (Inc.) (Brass Door), New Haven, Conn.
GORHAM CO. ARCH'L BRONZE, 5th & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
JONES, TREVOR P. & CO., 374 W Broadway, New York. (See adv. index, end of book)
Manhattan Brass Co., 334 E 28th, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Rome Brass & Copper Co., Rome, N. Y., & 100 William, New York
Waterbury Brass Goods Corporation, Waterbury, Conn.

Mouldings (Electric Wiring)

American Circular Loom Co. ("Luts" Metal), Chelsea, Mass.
Central Mfg. Co., Chattanooga, Tenn.
Foley Mfg. Co., 427 22d, Chicago, Ill.
Improved Moulding Mfg. Co. (Wire Grip), N 21st & Allegheny av, Phila., Pa.
Johns, H. W.-Manville Co. ("Electrobestos" Fire Proof), 100 William, New York
Johnson Bros., 45 Classon av, Brooklyn, N. Y.
K. B. Co., 38 S 6th, Phila., Pa.
Kirkpatrick Mfg. Co. ("Simplex"), 10th & Westmoreland, Phila., Pa.
Mitchell Moulding Co., 21st & Morgan, Chicago, Ill.

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National Metal Molding Co. (Metal), Pittsburg, Pa.
Noblett, E. J. Co., 121st & Peoria, Chicago, Ill.
Planett Lumber & Mfg Co., La Porte, Ind.
Saulpaugh's, J. M. Sons, 180 Lewis, New York
Sheip, H. H. Mfg. Co., 529 Columbia av, Phila., Pa.
Thornton & Co., Holland, Mich.
Wright, Craycroft & Harty Co., 526 W 21st, Chicago, Ill.

Mouldings (Electrical, Wood)

(See Mouldings, Electric Wiring)

Mouldings (Embossed)

Anderson & Lind Mfg. Co., 181 Iowa, Chicago, Ill.
Bilek, Stephen Co., 306 S Clinton, Chicago, Ill.
Boynton & Co., 421 W 15th, Chicago, Ill.
Chicago Embossed Moulding Co., 598 Austin av, Chicago, Ill.
Chicago Mill Work Supply Co., cor. 22d & Sangamon, Chicago, Ill.
Diebold Lumber & Mfg. Co., 99 Wabash, Pittsburg, Pa.
Fitzgerald, Speer Co., Pen Argyl, Pa.
Gebhardt, J. F., Calyer & Newell, Brooklyn.
Hyde-Murphy Co., Ridgway, Pa. N. Y.
L'Hote Lumber Mfg. Co., n Liberty & Toulouse, New Orleans, La.
McClelland, T. W. Co., Davenport, Ia.
Merts's, Geo. Sons, Porchester, N. Y.
New York Carved Moulding Co., Rider av & 139th, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Paine Lumber Co. (For the Trade Only), Oshkosh, Wis.
Pierce, W. E. & Co., Milford, N. H.
Rock Island Sash & Door Works, Rock Island, Ill.
Stoehr, A. & Co., 305 Findlay, Cincinnati, O.

Mouldings (German Silver)

(See Mouldings, Copper, Brass, Etc.)

Mouldings (Picture)

Cass, B. T. & Co., 40 Union Park, Chicago, Ill.
Harsha, L. B. Mfg. Co., Carroll av & Robey, Chicago, Ill.
Larsen, C. & Co., Leavitt & Kinzie, Chicago.
Lippe & Co., 328 E 26th, New York Ill.
Lowe, Albert C., Inc., 8 S 10th, Phila., Pa.
Pape Bros.' Moulding Co., Plum & Charles, Cincinnati, O.
Raubold & Lambin, 19 N Ann, Chicago, Ill.
Schock Mfg. Co., 1814 N E 6th, Minneapolis, Minn.
Schrafft, A., Moulding Co., Bruen & Hamilton, Newark, N. J.
Webber, J. R. Moulding Co., 21st & Cass av, St. Louis, Mo.

Mouldings (Rope & Twisted, Etc.)

American Carving & Mfg. Co. (Carved, Rope & Beaded), 900 Grandville av, Grand Rapids, Mich.)
Artistic Wood Turning Works, 67 N. Sangamon, Chicago, Ill.
Boynton & Co., 421 W 15th, Chicago, Ill.
Chicago Mill Work Supply Co., cor. 22d & Sangamon, Chicago, Ill.
Doty, G. W. Co. (Turned, Beaded), 107 W Monroe, Chicago
Ehnborn Wood Turning & Mfg. Co., 19 N Jefferson, Chicago, Ill.
Ellsworth Hardwood Co. (Also Ball), Ellsworth, Me.
Essex Wood Turning Co., Essex, Conn.
Foster-Munger Co. (For the Trade Only), W 20th & S Sangamon, Chicago, Ill.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
L'Hote Lumber Mfg. Co., N. Liberty & Toulouse, New Orleans, La.
Merts's, Geo. Sons, Port Chester, N. Y.
Michigan Toy & Novelty Co., Holland, Mich.
Morgan Co. (For the Trade Only), Oshkosh, Wis., & W 22d & S Union, Chicago, Ill.
New York Carved Moulding Co., Rider av & 139th, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Pierce, W. E. & Co., Milford, N. H.
Prendergast, J., 82 Norton, Chicago, Ill.
Roberts, E. L. & Co. (For the Trade Only), W 22d & Union pl, Chicago, Ill
Rome, Henry Mfg. Co. (Rope & Bead), Newaygo, Mich.
Waddell Mfg. Co., Grand Rapids, Mich.

Mouldings (Sheet Metal)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
Broschart & Braun, 607 W. 130th, New York
Chicago Metal Covering Co., 69 N Green, Chicago, Ill.
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
FRIEDLEY-VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. index, end of book)
GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)
Gerock Bros. Mfg. Co., 1252 Manchester av, St. Louis, Mo.
Kelley, Wm. J., 448 Adelphia, Brooklyn, N. Y.
Miller & Doing, 83 Wash'n, Brooklyn, N. Y.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.

*Mouldings (Sheet Steel, Brass & Bronze)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index & branch offices, end of book)

Mouldings (Spiral)

(See Mouldings, Rope & Twisted, Etc.)

*Mouldings (Steel)

BRAUN, J. G. (for Store Fronts, Stairways, Elevator Enclosures, etc.), 322 S Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)

*Mouldings (Steel Picture)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index & branch offices, end of book)

Moulds

(See Molds, Various Kinds)

Mountings (Automobile)

American Auto-Brass Co., Columbus, O.
Atwood Mfg. Co. (Metal), Amesbury, Mass.
Auto Brass & Aluminum Co., Flint, Mich.
Auto Top & Specialty Co. (Rails), B'way & 63d, New York
Columbus Brass Co. (Dash & Foot Rails), 43 N 4th, Columbus, O.
Cowles, C. & Co., Water & Chestnut, New Haven, Conn.
DAHLSTROM METALLIC DOOR CO. (Light Sheet Steel Mouldings), Jamestown, N. Y. (See adv. index, end of book)
English & Mersick Co., 70 Crown, New Haven, Conn.
Kinsey Mfg. Co. (Brass Moulding for Steps), Dayton, O.
Murdock, Jas. (Metal), 116 Opera pl, Cincinnati, O.
Murphy, G. W. J. Co. (Silver Mouldings), Merrimac, Mass.
Parry, A. N. & Co. (Brass Slats, etc.), Amesbury, Mass.
Pittsburg Reduction Co., The, Park bldg, Pittsburg, Pa.
Rands Mfg. Co. (Brass & Nickeled Rails), 51-55 Macomb, Detroit, Mich.
Ritter Mfg. Co. (Brass), Detroit, Mich.
Smith, Jos. N. & Co. (Brass & Nickel Rails, Tonneau Door Handles & Hinges), 4th & Porter, Detroit, Mich.
White Mfg. Co. (Mouldings), Bridgeport, Conn.
Wing, Chas. Co., Amesbury, Mass.
Woodruff, Walter W., & Sons Co., Mount Carmel, Conn.

Mountings (Umbrella & Parasol)

Novelty Mfg. Co., Waterbury, Conn.

Mower & Reaper Sections

Akron Machine Co., Akron, O.
Henry & Allen, Auburn, N. Y.
Herschel, R. Mfg. Co., Peoria, Ill.
Whitaker Mfg. Co., 30 W. Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Mowers & Reapers

(See also Agricultural Implement Manufacturers)

Acme Harvester Co. (Mowers), Peoria, Ill.
Adriance, Platt & Co. (Geared or Chain Mowers & "Adriance" & "Triumph" Reapers), Poughkeepsie, N. Y.
Akron Machine Co., Akron, O.
Aultman & Taylor Machinery Co., Mansfield, O.
Bradley, David Mfg. Co., Bradley, Ill.
Emerson Mfg. Co., Rockford, Ill.
Eureka Mower Co., Utica, N. Y.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Fuller & Johnson Mfg. Co., Madison, Wis.
International Harvester Co. of America (Reapers Grain, Hemp, Mowers One & Two Horse), Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnston Harvester Co., Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Richardson Mfg. Co. (Mowers), Worcester, Mass.
Rockford Mfg. Co. ("Hillwood," "Imperial"), Rockford, Ill.
Seiberling & Miller, Doylestown, O.
Sweet, Geo, Mfg. Co., Dansville, N. Y.
Thomas Mfg. Co. (Mowers Only), Springfield, O.
Wayne Works, Richmond, Ind.
Wood, W. A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

Mucilage Mfrs.

National Gum & Mica Co. ("Jugfull"), 502 W. 45th, New York

Mudguards (Automobile)

(See Fenders & Guards, Automobile)

Muffle Furnace Fronts

Bethlehem Foundry & Machine Co. (For Chemical Mfrs., etc.), South Bethlehem, Pa.

Mufflers (Automobile)

American Auto Brass Co., Columbus, O.
Auto & Power Appliance Co., Arcade, Cleveland, O.
Baldwin Chain & Mfg. Co., Worcester, Mass.
Bates, F. E. & Co. ("Bates"), Northfield, Minn.
Brennan Motor Co. ("Brennan"), Syracuse, N. Y.
Briscoe Mfg. Co., Detroit, Mich.
Byrne-Kingston & Co. ("Kingston"), Kokomo, Ind.
Clemeck-Hirsch Co., 594 National av, Milwaukee, Wis.
Columbus Screw & Machine Co., 244 Kaiser, Columbus, O.
Crouch, Chas. P. & Co., 472 Carroll, Chicago, Ill.
Duryea Power Co., Reading, Pa.
Federal Auto Co., 1st Nat'l Bank Bldg., Chicago, Ill.
Fonda, Charles P. ("Davis"), 421 Market, San Francisco, Cal.
Garford Mfg. Co., Elyria, O.
Geer, Harry R. & Co. (Motor Cycles), 1017 Pine, St. Louis, Mo.
Globe Machine & Stamping Co., 868 Hamilton av, Cleveland, O.
Gray-Hawley Mfg. Co. ("Gray"), 605 W. Fort, Detroit, Mich.
Hatcher Auto-Parts Co. ("B.-H."), 32 Columbus, Cleveland, O.
Hayes Mfg. Co., Detroit, Mich.
Kells, W. J. Mfg. Co., 62 Van Winkle, Jersey City, N. J.
Kinsey Mfg Co., Dayton, O.
Knobloch-Heldeman Mfg. Co., South Bend, Ind.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Le Nonpareil Muffler Co., 286 Taaffee pl., Brooklyn, N. Y
Loomis Autocar Co., Westfield, Mass.
McClure-Buchner Co., 911 S Homan av, Chicago, Ill.
Mayo Damper Co., Pottstown, Pa.
Milwaukee Auto Engine & Supply Co., 706 Winnebago, Milwaukee, Wis.
Milwaukee Motor Co., 615 Clybourn, Milwaukee, Wis.
Motor Car Power Equipment Co., 577 Grove, Milwaukee, Wis.
Murray, W. B., 1258 Milwaukee av, Chicago, Ill.

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Neustadt Automobile & Supply Co., 826 S 18th, St. Louis, Mo.
Northway Motor & Mfg. Co., Maybury Grand av & R. R., Detroit, Mich.
Ohio Blower Co., 48 Michigan, Cleveland, Ohio
Powell Muffler & Turner Co., Utica, N. Y.
Relay Motor Car Co. ("Wyoma"), Reading, Pa.
Ross & Kramer, 5607 S Halsted, Chicago, Ill.
Runyen, Jas. & Son, Redkey, Ind.
SCAIFE, WM. B., & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Smith, D. R. & Co. ("Yankee"), Utica, N. Y.
Snow, B. W., 132 Bissell, Syracuse, N. Y.
Sun Stove Co., 1305 Bellevue av, Detroit, Mich.
Turner Brass Works, 65 Michigan, Chicago, Ill.
Uneas Specialty Co., Norwich, Conn.
Warren Mfg. Co., Warren Mass.
Weeber, C. F., Mfg. Works ("Weeber"), 170 Central av., Albany, N. Y.
Weiss, Louis T., 286 Graham, Brooklyn, N. Y.
Westerfield Motor Co., Anderson, Ind.
Western Motor Co., Logansport, Ind.
Williamson, Thomas G., S S 30th, Philadelphia, Pa.
Xardell, J. A. & C. A. (Vacuum), Utica, N. Y.
Yankee Muffler Co. ("Yankee" Silent), Utica, N. Y.

*Mufflers (Pop Valve)

LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Muffles (Enameling)

Brooklyn Fire Brick Works, Brooklyn, N. Y.

Multigraph Ribbons

American Multigraph Sales Co., Case av. & Kelley, Cleveland, Ohio

*Multi Stage, High Lift Centrifugal Pumps

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Muriates of Tin

Butterworth-Judson Co., Newark, N. J.
Cochrane Chemical Co., Boston, Mass.

Muzzles (Horse & Ox)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Wire Goods Co. (Japanned Wire, etc.), Worcester, Mass.

Nail Mill Machinery

(See Machinery, Nail Mill)

Nail Sets

Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co. (Knurled Cup Point), Meriden, Conn.
Buck Bros. (Square & Round Points), Millbury, Mass.
Deuse, J. S., Chester, Conn.
Ducharmes & Co., Shelburne Falls, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Johnson, Wm. (Hedenberg Works) (Plain, Knurled Cup Points), Newark, N. J
Keystone Mfg. Co. ("Keystone"), 41 Chandler, Buffalo, N. Y.
Kreuter & Co., Newark, N. J.
Mayhew, H. H. Co., Shelburne Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Snell Mfg. Co., Fiskdale, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Storts, John & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co., Syracuse, N. Y.
Tuck Mfg. Co. (Plain, Corrugated, Knurled & Channel), Brockton, Mass.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Nails (Aluminum Coated)

Wilder Metal Coating & Mfg. Co., Connellsville, Pa.

Nails (Barbed)

Corbin Screw Corporation (Steel Wire), New Britain, Conn.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Norton Iron Works (Common & Car), Ashland, Ky.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. (Common & Car), Youngstown, O.

Nails (Barrel)

(See Barrels, Box)

Nails (Box)

AMERICAN STEEL & WIRE CO., Rookery, Chicago, Ill. (See adv. index & branch offices, end of book)
Corbin Screw Corporation (Steel Wire), New Britain, Conn.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Norton Iron Works, Ashland, Ky.
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.
Sharon Steel Co., Sharon, Pa.
Stanley, Geo. W. Co., Belleville, Ill.
Taunton Wire Nail Co. (Blind, Rugby, etc.), Taunton, Mass
Van Alen & Co. (Cut), Northumberland, Pa.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co., Youngstown, O.

*Nails (Brass Cast)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Nails (Brass & Copper)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill
Hassall, Jno. (Boat, Slating, etc.), 171 Lafayette, New York
HUNGERFORD, U. T. BRASS & COPPER Co., 407 Pearl, New York
Hussey, C. G. & Co. (Copper Only), 2850 2d av, Pittsburg, Pa
International Brass & Electric Co. (Hexagon Machine Made), 76 Beekman, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Milwaukee Tack Co., Milwaukee, Wis.
Phillips, E. & Sons, South Hanover, Mass.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co. (Copper Yellow Metal Only), New Bedford & Taunton, Mass.

Nails (Carpet)

Corbin Screw Corporation (Steel Wire), New Britain, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Nails (Casing)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Youngstown Sheet & Tube Co. (Casing & Smooth Box), Youngstown, O.

Nails (Cement Coated Wire)

Pearson, J. C. Co., Old South bldg, Boston, Mass

Nails (Cigar Box)

Grammes, L. F., & Son, Allentown, Pa.
Hassall, Jno., 171 Lafayette, New York

Nails (Clinch)

Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Van Alen & Co. (Cut), Northumberland, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

Nails (Clout)

Cleveland Tack Works, Hamilton av & E 49th, Cleveland, O.
Diamond Tack & Nail Wks., Raynham, Mass.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
La Belle Iron Works, Steubenville, O.
Norton Iron Works, Ashland, Ky.
Phillips, E. & Sons, South Hanover, Mass.
Stanley, Geo. W. Co., Belleville, Ill.
Superior Tack & Nail Co., Pen Yan, N. Y.
Tower Mfg. Co., Cincinnati, O.
Van Alen & Co. (Cut), Northumberland, Pa.

Nails (Clutch)

ACME STEEL GOODS CO., 2834 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire Bldg., Atlanta, Ga. (See adv. index, end of book)
CARY MFG. CO. ("Cary's" Patent Twisted), 19 Roosevelt, New York. (See adv. index, end of book)
De Haven Mfg. Co., 153 Furman, Brooklyn, N. Y.
Indianapolis Staple & Tack Co., Indianapolis, Ind.
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.

Nails (Coated)

Youngstown Sheet & Tube Co., Youngstown, Ohio

Nails (Corrugated)

Corrugated Steel Nail Co. (Steel), Springfield, O.
Phillips, E. & Sons (Brass & Iron), South Hanover, Mass.

Nails (Cut)

Bailey, Chas. L. & Co. (Inc.) (Iron & Steel), Harrisburg, Pa.
Belfont Iron Works Co. (126 Machines), Ironton, O.
Brooke, E. & G. Iron Co., Birdsboro, Pa.
Glasgow Iron Co., Pottstown, Pa.
Godcharles, F. A. Co. (80 Machines), Milton, Pa.
Hartman, Hay & Reis (62 Machines), Belleville, Ill.
Igoe Bros., 69 Metropolitan av., Brooklyn, N. Y., & Newark, N. J.
Judson Mfg. Co., San Francisco, Cal.
Kelly Nail & Iron Co. (120 Machines), Ironton, O.
La Belle Iron Works (173 Machines), Steubenville, O.
Lessig, Geo. B. Co. (Iron & Steel), Pottstown, Pa.
Norton Iron Works (Inc.) (140 Machines), Ashland, Ky.
Old Dominion Iron & Nail Works Co. (Iron), (130 Machines), Richmond, Va.
Pickering, R. S., Sharon Hill, Pa.
Plymouth Mills, Plymouth, Mass.
Republic Iron & Steel Co., Frick bldg, Amer. Pittsburg, Pa.
Tremont Nail Co. (150 Machines), West Wareham, Mass., & 76 Pearl, Boston, Mass.
Van Alen & Co. (Iron & Steel), Northumberland, Pa.
Wheeling Steel & Iron Co., Wheeling, W. Va.
Williamsport Iron & Nail Co. (Iron & Steel), Williamsport, Pa.

Nails (Finishing)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Corbin Screw Corporation (Smooth Steel Wire), New Britain, Conn.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Norton Iron Works, Ashland, Ky.
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.
Tower Mfg. Co., Cincinnati, O.
Van Alen & Co. (Cut), Northumberland, Pa.
Wheeling Steel & Iron Co., Wheeling, W. Va.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. (Smooth Finished), Youngstown, O.

Nails (Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
La Belle Iron Works (Large Head), Steubenville, O.

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Nails (Galvanized)

Hartman, Hays & Reis, Belleville, Ill.
Keystone Nail Co. ("Cut & Wire"), 1618 Wash'n ave, Phila., Pa.
Malleable Iron Fittings Co. (Iron & Steel, Cut, Wire & Boat Nails, etc.), Branford, Conn.
United Galvanizing Co. (Inc.), 525 N Front, Phila., Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

Nails (Gilt)

Ossawan Mills Co., Norwich, Conn.
TURNER & SEYMOUR MFG. CO., Torrington Conn. (See adv. index, end of book)

Nails (Hand Picked)

Hassal, John (For Machine Driving), 171 Lafayette, New York

Nails (Hoop)

Cleveland Tack Works, Hamilton av & E 49th, Cleveland, O.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
La Belle Iron Works, Steubenville O.
Norton Iron Works, Ashland, Ky.
Tower Mfg. Co., Commerce & Elm, Cincinnati, O., & Madison, Ind.
Wheeling Steel & Iron Co., Wheeling, W. Va.

Nails (Horse)

Ausable Horse Nail Co., Keesville, N. Y.
Capewell Horse Nail Co., Hartford, Conn.
Coleman Nail Co., Pawtucket, R. I.
Essex Horse Nail Co. (Ltd.), Essex, N. Y.
Fowler Nail Co., Seymour, Conn.
Kankakee Nail Co., Kankakee, Ill.
Livingston Nail Co., 302 Broadway, New York
Mooney, W. M. & Co., Au Sable Chasm, N. Y.
Putnam Nail Co., Neponset, Boston, Mass.
Standard Horse Nail Co., New Brighton, Pa.
Union Horse Nail Co., 605 W. 22d, Chicago, Ill.

*Nails (Numeral)

TURNER & SEYMOUR MFG. CO., Torrington Conn. (See adv. index, end of book)

Nails (Papier Mache)

Atlas Tack Co., Fairhaven, Mass.

Nails (Picture)

Ossawan Mills Co., Norwich, Conn.
TURNER & SEYMOUR MFG. CO., Torrington Conn. (See adv. index, end of book)

Nails (Roofing & Slating)

Atlas Tack Co., Fairhaven, Mass.
Cleveland Tack Works (Slating), Hamilton av & E 49th, Cleveland, O.
Corbin Screw Corporation (Steel Wire; also Barbed), New Britain, Conn.
Crescent Machine Co. (Roofing), 1152 Trumbull av, Detroit, Mich.
Grand Crossing Tack Co., S Chicago av & 79th, Grand Crossing, Ill.
Hassall, Jno. (Slating), 171 Lafayette, New York
HUNGERFORD, U. T. BRASS & COPPER Co. (Copper & Yellow Metal), 407 Pearl, New York
Hussey, C. G., & Co. (Slating Nails), 2850 2d av, Pittsburg, Pa.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Miller's, H. J. Sons Co., Weatherproof Shingle, Bridgewater, Mass.
MILWAUKEE CORRUGATING CO., (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Milwaukee Tack Co., Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Phillips, E, & Sons, So. Hanover, Mass.
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.
Seneca Wire & Mfg. Co. (Wire Roofing), Fostoria, O.
Sherman, H. B. Mfg. Co. ("Simplex" Roofing Nails), Battle Creek, Mich.
Taunton & New Bedford Copper Co., New Bedford & Taunton, Mass.
Tower Mfg. Co., Commerce & Elm, Cincinnati, O., & Madison, Ind.
Van Alen & Co., Northumberland, Pa.
Weather Proofing Nail Co., Inc. ("Capual" Weather Proofing), Baltimore, Md.
Wheeling Steel & Iron Co., Wheeling, W. Va.
Wire Goods Co. (Barber Roofing), Worcester, Mass.
Youngstown Sheet & Tube Co. (Slating & Barbed Roofing), Youngstown, O.

Nails (Rubber Headed)

Elastic Tip Co., 370 Atlantic av., Boston, Mass.

Nails (Saddle & Lining)

Atlas Tack Co., Fairhaven, Mass.
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.

*Nails (Screen)

TURNER & SEYMOUR MFG. CO., Torrington Conn. (See adv. index, end of book)

Nails (Screw Head)

Hassall, Jno., 171 Lafayette, New York
Roebling's, Jno. A. Sons Co., Trenton, N. J.

Nails (Shingle)

Corbin Screw Corporation, New Britain, Conn.
La Belle Iron Works, Steubenville, O.
Millers', H. J. Sons (Genuine Iron), Bridgewater, Mass.
Youngstown Sheet & Tube Co., Youngstown, O.

Nails (Shoe)

Cleveland Tack Works (And Shoe Tacks), Hamilton av. & E. 49th, Cleveland, O.
Cross, W. W. & Co. (Inc.), Brockton, Mass.
Diamond Tack & Nail Wks., Raynham, Mass.
Globe Mfg. Co. (Wire), Taunton, Mass.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Gurney, David B., Whitman, Mass.
Hobart, Benj., Co., Whitman, Mass.
Judson Mfg. Co., San Francisco, Cal.
Kimball Bros. & Sprague, Brockton, Mass.
Millers', H. J. Sons (Shoe & Machine Shoe), Bridgewater, Conn.
Phillips, E. & Sons (Also Machine, Shoe, Brass & Copper Shoe), S Hanover, Mass.
River Co. (Brass), Waterbury, Conn.
Tower Mfg. Co., Commerce & Elm, Cincinnati, O., & Madison, Ind.

Nails (Small)

(See also Tack Manufacturers)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlas Tack Co., Fairhaven, Mass.
Cleveland Tack Works, Hamilton av & E 49th, Cleveland, O.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Corbin Screw Corporation, New Britain, Conn.
Fuller, G. E. & A. I., Keene, N. H.
Globe Mfg. Co. (Wire), Taunton, Mass.
Hartman, Hays & Reis, Belleville, Ill.
Hassall, John, 171 Lafayette, New York
Holland Mfg. Co., Baltimore, Md.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kirk-Latty Mfg. Co. (Clout, Truck, etc.), Cleveland, O.
Kokomo Steel & Wire Co. (Wire), Kokomo, Ind.
Phillips, E. Sons (Iron, Steel, Copper, Brass & Zinc), S Hanover, Mass
Rhodes, M. M. & Sons Co. (Upholstery), Taunton, Mass
Shelton Co., Shelton, Conn.
Stanley, Geo. W. Co., Belleville, Ill.
Superior Tack & Nail Co. (Cut), Pen Yan, N. Y.
Taunton Wire Nail Co., Taunton, Mass.
Torrington Mfg. Co. (Furniture), Torrington, Conn.
Tower Mfg. Co. (Basket Hoop, etc.), Commerce & Elm, Cincinnati, O., & Madison, Ind.
TURNER & SEYMOUR MFG. CO. (Furniture, etc.), Torrington, Conn. (See adv. index, end of book)
Wheeling Steel & Iron Co., Wheeling, W. Va.
York Tack & Nail Works (Cut), York, Pa.

Nails (Special)

La Belle Iron Works, Steubenville, O.
Wheeling Steel & Iron Co., Wheeling, W. Va.

Nails (Stay)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.

Nails (Tobacco)

Corbin Screw Corporation, New Britain, Conn.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Norton Iron Works, Ashland, Ky.
Youngstown Sheet & Tube Co., Youngstown, O.

Nails (Trunk)

Cleveland Tack Works, Hamilton av. & E. 49th, Cleveland, O.
Diamond Tack & Nail Works, Raynham, Mass.
Superior Tack & Nail Co., Pen Yan, N. Y.
Tower Mfg. Co., Commerce & Elm, Cincinnati, Ohio

Nails (Upholsterers')

(See Tacks, Upholsterers')

Nails (Wire)

AMERICAN STEEL & WIRE CO. ("Standard" Miscellaneous), Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlanta Steel Co., Atlanta, Ga.
Atlas Tack Co. (And Wire Tacks), Fairhaven, Mass.
Badger Nail Co., Milwaukee, Wis.
Belfont Iron Works Co., Ironton, O.
Cedarburg Wire & Wire Nail Co. (Sizes ¼ to 4 in.), Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Corbin Screw Corporation (Steel), New Britain, Conn.
Crawfordsville Wire & Nail Co. (All Sizes), Crawfordsville, Ind.
Globe Mfg. Co. (Small), Taunton, Mass.
Grand Crossing Tack Co. (All Sizes), 79th & S Chicago av, Chicago, Ill.
Griswold Co. (All Sizes), Sterling, Ill.
Griswold Wire Co., Braddock, Pa.
Gurney, D. B. (Sizes up to 20 Penny; 333 Machines), Whitman, Mass.
Hartman, Hays & Reis, Belleville, Ill.
Hassall, John, 171 Lafayette, New York
Illinois Nail Co., 3 Dix, Chicago, Ill.
Indiana Steel Wire Co., Muncie, Ind.
Janesville Barb Wire Co. (2 to 60 Penny), Janesville, Wis.
Judson Mfg. Co., San Francisco, Cal.
Kelly Nail & Iron Co., Ironton, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Lawrence Bros., Sterling, Ill.
McCrory, John, Ellwood City, Pa.
Milwaukee Tack Co. (Small only), Milwaukee, Wis.
Morgan Spring Co., Worcester, Mass.
Norton Iron Works (50 Machines), Ashland, Ky.
Parker Wire Goods Co., Worcester, Mass.
Phillips, Townsend & Co. (All Sizes), N 4th & Glenwood av, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Steel Co., Pittsburg, Pa.
Plymouth Mills (Small), Plymouth, Mass.
Roebling's, John A. Sons Co. (All Sizes), Trenton, N. J.
Seneca Wire & Mfg. Co. (Roofing), Fostoria, O.
Southern Steel Co., Birmingham, Ala.
Spencer Wire Co., Worcester, Mass.
Stanley, Geo. W. Co. (Small Wire & Cut), Belleville, Ill.
Superior Tack & Nail Co., Pen Yan, N. Y.
Taunton Wire Nail Co. (Sizes ¼ to 3-inch; 50 Machines), Taunton, Mass.
Titchener, E. H. & Co. (Up to 3-inch), Binghamton, N. Y.
Tower Mfg. Co., Commerce & Elm, Cincinnati, O., & Madison, Ind.
Van Alen & Co., Northumberland, Pa.
Wire Goods Co. (All Sizes & Kinds; 100 Machines), Worcester, Mass.
Wickwire Bed Co., Cortland, N. Y.
Youngstown Sheet & Tube Co., Youngstown, O

Nails & Studs (Ornamental)

Yale & Towne Mfg. Co., 9 Murray, New York

Name Plates

American Name Plate & Mfg. Co., 226 Kinzie, Chicago, Ill.
AMERICAN RAILWAY SUPPLY CO., 26 Park pl., New York. (See adv. index, end of book)
Becker, August Engraving Co. (Cast), 247 Atlantic av, Boston, Mass.

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CHANDLER CO., Springfield, Mass. (See adv. index, end of book)
Corbin Cabinet Lock Co. (Wrought, Brass, etc.), New Britain, Conn.
Crowe Name Plate & Engraving Co., 71 W Jackson boul, Chicago, Ill.
Dayton Stencil Works (Carriages, etc.), Dayton, Ohio
Eastwood Wire Mfg. Co. (Bronze Finish), Belleville, N. J.
Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
Enameled Steel Sign Co., 12 State, Chicago.
G. & P. Engraving Co., 185 Franklin, Boston, Mass.
Hanson, C. H., 44 Clark, Chicago, Ill. Ill.
Imperial Enamel Co., 100 William, New York
Kokomo Fence Machine Co. (Nickel & Aluminum), Kokomo, Ind.
Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
Murdock-Shaw Co., Boston, Mass.
Ness, Geo. M., Jr., 61 Fulton, New York
New York Stencil Works, 100 Nassau, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Norwalk Lock Co., South Norwalk, Conn.
Peerless Stamp & Stencil Co. (Carriage, Door, etc.), Muncie, Ind.
Reading Hardware Co., Reading, Pa.
Robbins, John Mfg. Co., 58 Kneeland, Boston, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sackman Mfg. Co. (Inc.), 19 Cherry, Akron, Ohio
Salo Art Metal Co., 19 Collier, Binghamton, N. Y.
Schmidt, Geo. S., 50 S. Clark, Chicago, Ill.
Schwerdtle Stamp Co., Bridgeport, Conn.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith, Jos. N. & Co., Detroit, Mich.
Torrey Roller Bushing Works, Bath, Me.
Turner Brass Works, Sycamore, Ill.
Union Porcelain Works, 800 Eckford, Brooklyn, N. Y. (Sign & Number Plates, Porcelain)
Western Brass Mfg. Works (In Different Names), 21st & Rockwell, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Woodman, R. Mfg. & Supply Co., 63 Oliver, Boston, Mass.

Name Plates (Automobile)

Abbott, W. H., 143 W 42nd, New York
American Name Plate & Mfg. Co., 226 Kinzie, Chicago, Ill.
CHANDLER CO., Springfield, Mass. (See adv. index, end of book)
Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
Salo Art Metal Co., 19 Collier, Binghamton, New York
Turner Brass Works, Sycamore, Ill.

Name Plates (Cement Sidewalk)

Kramer Bros. Foundry Co., Dayton, Ohio
Schmidt, Geo. S. (Brass), 50 S. Clark, Chicago, Ill.

Name Plates (Machinery)

(See also Name Plates)
American Name Plate & Engraving Co., 352 Atlantic av., Boston, Mass.
American Name Plate & Mfg. Co., 226 Kinzie, Chicago, Ill.
Becker, August Engraving Co. (Cast), 247 Atlantic av, Boston, Mass.
Boyd, Geo. A. Co., 552 W B'way, New York
CHANDLER CO., Springfield, Mass. (See adv. index, end of book)
Crowe Name Plate & Engraving Co. (Also Carriage), 71 W. Jackson boul, Chicago, Ill.
Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
Everett, A. & Son, Auburn, N. Y.
G. & P. Engraving Co., 185 Franklin, Boston, Mass.
Haeusermann Metal Mfg. Co., 242 E. 122d, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Hanson, C. H., 44 Clark, Chicago, Ill.
Peerless Stamp & Stencil Co., Muncie, Ind.
Salo Art Metal, 19 Collier, Binghamton, New York
Schwerdtle Stamp Co., Bridgeport, Conn.
Torrey Roller Bushing Works (Cast), Bath, Me.
Turner Brass Works, Sycamore, Ill.

Name Plates (Telephone)

Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
Salo Art Metal, 19 Collier, Binghamton, New York

Naphtha (Coal Tar)

Barrett Mfg. Co., Land Title bldg., Phila., Pa.
National Aniline & Chemical Co., Buffalo, N. Y.

Naphtha Gas

Sun Oil Co., Toledo, O.

Naphtha Refiners

Barrett Mfg. Co. (Napathaline), Land Title bldg, Phila., Pa.
Bulls Head Oil Works, San Francisco, Cal.
Crew-Levick Co., Land Title bldg., Phila., Pa.
Day Chemical Co. (Wood Naphtha), Westline, Pa.
Great Western Oil Co., Cleveland, O.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Miller, A. D. Sons Co., Allegheny, Pa.
Paragon Refining Co., Toledo, O.
Penn Refining Co., Oil City, Pa.
Standard Oil Co., 555 W 25th, New York
Sun Co. (56 Gravity Deodorized), Real Estate Trust Co. bldg., Phila., Pa.
Sunlight Oil & Gasoline Co., 217 Arch, Philadelphia, Pa.
Titusville Oil Works, Titusville, Pa.
Union Petroleum Co., 138 S 2d, Phila., Pa.
Waverly Oil Works, 54th & A. V. Ry., Pittsburg, Pa.

*Naval Cooperage for Vessels

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

Nebulizers (Eureka)

Turner Brass Works, Sycamore, Ill.

Neck Yoke Bands

Wrought Washer Mfg. Co. (Steel), Milwaukee, Wis.

Neck Yokes

Adams, E. B., & Son, Racine, Wis.
Anderson Pole & Shaft Co., Anderson, Ind.
Boub & Scheu, Cincinnati, O.
Buckeye Mfg. Co., Anderson, Ind.
Burton Handle Co., Burton, O.
Canton Pole & Shaft Co., Canton, O.
Covert Mfg. Co., Troy, N. Y.
Fee-Crayton Hardwood Lumber Co., Little Rock, Ark.
Hanover Plow Handle Co., Hanover, Pa.
Hartwell Bros., Chicago Heights, Ill.
Hench & Dromgold Co., York, Pa.
Johnson, F. C., Stillman Valley, Ill.
Jones, K., Janesville, Wis.
McCall Mfg. Co., Moberly, Mo.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Peterson, Samuel, Warren, Pa.
Pittsburg Tubular Steel & Whiffletree Co. (Tubular Steel), Ridge av, Pittsburg, Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Racine Pole & Shaft Co., Racine, Wis.
Sheldon, Mason, Kinsura, Pa.
Sholl Whiffletree Co., Hobart, Ind.
Sidney Pole & Shaft Co., Sidney, O.
Sovereign, C. E. Co. ("Rockford," "Shuman's" Swivel), Rockford, Ill.
Tanner, D. F., Holland, N. Y.
Todd Mfg. Co. (Wagon), New Albany, Ind.
Von Behren Mfg. Co., Evansville, Ind.
Ziegler, Neckyoke Co., Coffeyville, Kan.
Zimmerman, J. N., Birmingham, Mich.

Needle Mfrs.

(See Needles, Various Kinds, under head of Textile Machinery, Supplies, Etc.)

Needles (Mining)

(See Miners' Needles & Scrapers)

Needles (Phonograph)

(See Talking Machine Needles)

Nets (Arc Globe)

(See Guards, Electric Lamp)

Nets (Life Saving)

Combination Ladder Co. ("Manhattan"), Providence, R. I.
Hayward, S. F. & Co., 39 Park pl, New York
Woodhouse Mfg. Co., 50 W B'way, New York

Netting (Mosquito)

McLean, Andrew Co., Passaic, N. J.
North Scituate Cotton Mills, N. Scituate, R. I.

The Chandler Co.
ETCHED NAME PLATES
SPRINGFIELD MASS. U.S.A.

We Make Name Plates of Every Description for Every Purpose. If You are from Missouri We Should Like to Show You.

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Neutralizer (Electric)

Portland Co. ("Chapman," to Remove Static Electricity), Portland, Me.

Nickel Mfrs.

International Nickel Co., 43 Exchange pl, New York

Nickeloid, Copperoid, Brassoid & Steeloid

American Nickeloid Mfg. Co. (Nickelized Sheet Steel, Zinc, Copper, Brass, etc.), Peru, Ill.

Nippers (Bicycle)

STARRETT, L. S. CO. (Adjustable Jaw), Athol, Mass. (See adv. index & branch offices, end of book)
Utica Drop Forge & Tool Co., Utica, N. Y.

Nippers (Blacksmiths')

Champion Tool Co. ("Champion" Nail Head), Meadville, Pa.
Smith, H. D., & Co. ("W. D. W." Farriers' Cutting, Drop Forged), Plantsville, Conn.
Washington Tool Co. ("Larson's), Owatonna, Minn.

Nippers (Champagne)

Osborne, C. S. & Co. ("Pommery Sec."), Harrison, N. J.

Nippers (Cutting)

Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Champion Tool Co. ("Champion"), Meadville, Pa.
Falls Mfg. Co., San Francisco, Cal.
Heller Bros. Co., 879 Mt. Prospect av., Newark, N. J.
Hubbard & McClary, Windsor, Vt.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Schollhorn, Wm. Co. ("Bernard" End Cutting), New Haven, Conn.
Smith & Hemenway Co., 108 Duane, New York
Starr-Nettleton Mfg. Co. ("Nettleton" Reversible), East Hampton, Conn.
STARRETT, L. S. CO. (Adjustable Jaw), Athol, Mass. (See adv. index & branch offices, end of book)
Utica Drop Forge & Tool Co., Utica, N. Y.
Vaughn & Bushnell Mfg. Co., 875 Carroll av, Chicago, Ill.

Nippers (Fruit)

Kraeuter & Co., Newark, N. J.

Nipples (Hose)

Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Hayward, S. F. & Co., 39 Park pl, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Powell, Wm. & Co., 2529 Spring Grove av Cincinnati, O
Queen City Brass & Iron Works, Cincinnati, O.
Schrader's, A. Son (Inc.), 30 Rose, New York
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (For Brewers, etc.), Milwaukee, Wis.

Nipples (Long Screws & Followers)

National Tube Co., Pittsburg, Pa.

Nipples (Pipe)

Aird, Alanson A (Wrought Iron), Watervliet, N. Y.
Eastwood Wire Mfg. Co. (Bronze), Belleville, N. J.
Crane Valve Co., Bridgeport, Conn.
General Fire Extinguisher Co., Providence, R. I.
Landis Machine Co., Waynesboro, Pa.
Limbert, Geo. B. & Co. (Malleable Iron, etc.), 49 Fulton, Chicago, Ill.
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
National Tube Co. (Brass, Malleable & Wrought Iron Casing, "R. & L." Hexagon Drainage Tank, etc.), Pittsburg, Pa.
PFAFF & KENDALL (Wrought Iron), Ferry & Foundry, Newark, N. J. (See adv. index, end of book)
Wilder, Sidney & Co. (Brass), Holliston, Mass.

Nipples (Radiator)

National Radiator Co. (Non-Corrosive Malleable Iron Push), Johnstown, Pa.
Pratt Chuck Co., Frankfort, N. Y.
Sparks, Withington, Co., Jackson, Mich.

Nipples (Soldering)

(See Unions & Nipples, Soldering)

Nipples (Zinc Coated, Steel Slip)

Pratt Chuck Co., Frankfort, N. Y.

Nitrate

Butterworth-Judson Co. (Iron, etc.), Newark, N. J.
Cochrane Chemical Co. (Iron & Copper), Boston, Mass.
Harrison Bros. & Co. (Inc.) (Of Lead & Soda), 35th & Gray's Ferry rd, Phila., Pa.
Innis, Speiden & Co. (of Soda), 46 Cliff, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Tennant, C., Sons Co. (of Lead), 76 William, New York

*Nitro-Glycerine

DU PONT, E. I., de NEMOURS POWder Co. (Also Solidified Nitroglycerine), Wilmington, Del. (See adv. index & branch offices, end of book)

Notifiers (Burglar)

Dayton Supply Co., Dayton, O.

Novelties (Aluminum)

(See Firms in Metal Novelties & Specialties with the Word Aluminum Following their Name)

Nozzles (Blast)

Schutte & Koerting Co. (For Chimneys), 1251 N 12th, Phila., Pa.

Nozzles (Chemical)

Hayward, S. F. & Co., 39 Park pl, New York
Sieben Chemical Co. ("Fire King"), Kansas City, Mo.

*Nozzles (Flanged Boiler, Forged Steel)

AMERICAN SPIRAL PIPE WORKS, W. 14th & 48th av., Chicago, Ill. (See adv. index & branch offices, end of book)

Nozzles (Hose)

Allen, W. D. Mfg. Co. (Spray), 151 Lake, Chicago, Ill
American Foundry & Mfg. Co., St. Louis, Mo.
Barnes Mfg. Co., Mansfield, O.
Bastian, C. L. Mfg. Co. (Fire Hose & Underwriters), 76 Illinois, Chicago, Ill
Belknap Mfg. Co., Bridgeport, Conn.
Boston Coupling Co. ("Haley"), Boston, Mass.
Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Callahan, C. Co., Boston, Mass.
Clay, Jno. H., 1320 Ridge av, Phila., Pa.
Crane Co., 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co. ("Gem"), Bridgeport, Conn.
Dayton Supply Co. ("Nixon-Climax"), Dayton Ohio
Eastman, Samuel & Co., East Concord, N. H.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Fabric Fire Hose Co., Church & Duane, New York
Glazier Nozzle & Mfg. Co., 501 & 502 Commercial Club Bldg, Indianapolis, Ind.
Hayward, S. F. & Co., 39 Park pl, New York
Landers, Frary & Clark (Inc.) ("Fairy" & "Climax"), New Britain, Conn
Loeffelholz Co. (Combination & Judge Distributing), 170 Clinton, Milwaukee, Wis.
Morse, Andrew J. & Son (Inc.), ("Morse," "Moultor"), 221 High Boston, Mass.
Myers, F. E., & Bro., Ashland, O.
Neumeyer, H. P., Macungie, Pa.
Schrader, A. Son (Inc.), 30 Rose, New York
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Sieben Chemical Nozzle Co. ("Fire King"), Kansas City, Mo.
Standard Brass & Iron Works (Heavy for Brewers, etc.), Milwaukee, Wis.
Wolverine Brass Works, Grand Rapids, Mich.

*Nozzles (Hydraulic Mining)

AMERICAN SPIRAL PIPE WORKS, W. 14th & 48th av., Chicago, Ill. (See adv. index & branch offices, end of book)

Nozzles (Plumbago)

Bartley, Jonathan, Crucible Co., Trenton, N. J.
McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), Pittsburg, Pa.

*Nozzles (Sand Blast)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Nozzles (Spray)

Allen, W. D., Mfg. Co. ("Mystic"), 151 Lake, Chicago, Ill.
DEMING CO., Salem, O. (See adv. index, end of book)
Elkhart Brass Mfg. Co. ("Elkhart"), Elkhart, Ind.
Hayward, S. F. & Co., 39 Park pl., New York
Loeffelholz Co. ("Foley," Solid Stream, Shut Off & Spray), Milwaukee, Wis.
Myers, F. E., & Bro., Ashland, O.
Schutte & Koerting Co. (For Chemical Purposes), 1251 N 12th, Phila., Pa.

*Number Plates (Automobile)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Numbers & Letters (Decalcomania)

(See Ornaments, Transfer)

Numbers & Letters (Metal)

(See also Name Plates)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)
Arcade Mfg. Co. (House Numbers, Brass & Aluminum), Freeport, Ill.
Benfield & Milne Mfg. Co., 67 Halleck, Newark, N. J.
Blasier, M. E. & Co., Utica, N. Y.
Brass Goods Mfg. Co., Nevin, c Union, Brooklyn, N. Y.
Brim, A. W., Seneca Falls, N. Y.
Caesar Bros. (Enamueled), 112 Fulton, New York
Chicago Spring Butt Co., 54 Union Park pl., Chicago, Ill.
Everett, A. & Son (Brass Machinists, Metallic Pattern Letters & Figures), Auburn, N. Y.
Griswold Mfg. Co., Erie, Pa.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Kienzle, W. F., 92 Ohio, Chicago, Ill.
Knight, H. W., & Son, Seneca Falls, N. Y.
Manchester & Hutchins Mfg. Co., Cleveland, Ohio
Matthews, Jas. H. & Co., Pittsburg, Pa.
Miller, J. Walter (House), Lancaster, Pa.
NIAGARA FALLS METAL STAMPING CO. (Automobile, House, etc.), Niagara Falls, N. Y. (See adv. index, end of book)
Nicol & Co. (House Numbers Only), 66 N. Jefferson, Chicago, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Peerless Stamp & Stencil Co., Muncie, Ind.
Providence Brass & Aluminum Co., Providence, R. I.
Reading Hardware Co., Reading, Pa.
Reynolds & Zahn, 40 Mechanic, Newark, N. J.
Robbins, Jno. Mfg. Co., Boston, Mass.
Russell & Erwin Mfg. Co. (Steel), New Britain, Conn., & 96 Lafayette, New York
Sackman Mfg. Co. (Inc.) (Steel), 19 Cherry, Akron, O.
Shanafelt Mfg. Co. (Pattern, "White Metal"), Canton, O.
SMITH, F. P. WIRE & IRON WORKS 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith, R. H. Mfg. Co., Springfield, Mass.
Stover Mfg. Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
Turner Brass Works, Sycamore, Ill.

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TURNER & SEYMOUR MFG. CO. (House Numbers only), Torrington, Conn. (See adv. index, end of book)
Western Brass Mfg. Works (Cast Brass & Bronze), 21st & Rockwell, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
Zeigler Bros., Elgin, Ill.

Nut Crackers & Picks

Acme Shear Co., Bridgeport, Conn.
American Cutlery Co., 193 Mather, Chicago, Ill.
Arcade Mfg. Co. ("Arcade," "Standard" & "Universal"), Freeport, Ill.
Bridgeport Hdw. Mfg. Co., Bridgeport, Conn.
Browne & Dowd Mfg. Co. (Crackers Only), Meriden, Conn.
Caldwell Mfg. Co., Rochester, N. Y.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Garfield & Co., Cleveland, O. Chicago, Ill.
Humanson & Beckley Mfg. Co., New Britain, Conn.
International Silver Co., 9 Mainden Lane, New York
Jennings Bros. Mfg. Co., Bridgeport, Conn.
Landers, Frary & Clark (Inc.), New Britain, Conn.
Lee, F. E., Hardware Mfg. Co., Hartford, Conn.
Osborne, O. S. & Co. ("C. S. O. & Co.," Crackers), Harrison, N. J.
Peck, Stow & Wilcox Co., 27 Murray, New York
Quackenbush, H. M., Herkimer, N. Y.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., 151 Leonard, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Williams, A. C., Ravenna, O.

Nut-Locks

(See Lock-Nuts)

Nut Machinery

(See Machinery, for Various Kinds of Nut Machinery)

Nut Mfrs.

(Under this Head see Sub-classifications following)
(See also Bolt, Nut & Rivet Manufacturers)

Aetna Nut Co., Southington, Conn.
American Car & Foundry Co. (Square & Hexagon), 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
American Screw Co., Providence, R. I.
Anthony Screw Co., Worcester, Mass.
Berry Bros., E. 1st av & R. R., Columbus, O.
BETTCHER MFG. CO., Clark av. at C., C., C. & St. L. Ry., S. W., Cleveland, O. (See adv. index, end of book)
Bourne & Knowles Mfg. Co., Cleveland, O.
California Industrial Co., Los Angeles, Cal.
Central City Bolt Co., Syracuse, N. Y.
Central Iron & Steel Co., Brazil, Ind.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
Cold-Jess Mfg. Co., Cleveland, O.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Delaware Marine Supply Mfg. Co., Wilmington, Del.
Eastern Bolt & Nut Co., Providence, R. I.
Eberhard Mfg. Co., Cleveland, O.
Equipoise Rivet Co., Waterbury, Conn.
Garland Nut & Rivet Co., Pittsburg, Pa.
Graham Nut Co., 755 Rebecca, Allegheny, Pa.
Greenlie, Wyatt & Co., 499 Water, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hendricks Bros., 49 Cliff, New York
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., Cleveland, O.
Lamson & Sessions Co., 2118 Scranton Rd., S W., Cleveland, O
Lanman, E. B. Co., Columbus, O.
Lake Erie Iron Co., Wade bldg., Cleveland, O.
Lanz, Matthew, & Sons, 101 S 29th, Pittsburg, Pa.
McCloud, Crane & Minter Co., Worcester, Mass.
Michigan Bolt & Nut Works, ft of Meldrum av, Detroit, Mich., & 135 Adams, Chicago
Milton Mfg. Co., Milton, Pa.
Moore, Franklin Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., c Florida & Main, St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Bolt & Nut Co., Pittsburg, Pa.
National Elastic Nut Co., Russel av & Superior, Milwaukee, Wis.
National Screw & Tack Co., Cleveland, O.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Phosphor Bronze Smelting Co., 2200 Washington av, Philadelphia, Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Richards, T. C., Hdw. Co., Winsted, Conn.
Rochester Machine Screw Co., Rochester, N. Y.
Rockford Bolt Works (Inc.), Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn., & 43 Chambers, New York
St. Louis Screw Co., 600 E Clarence av, St. Louis, Mo.
Smith, Thos., & Co., Worcester, Mass.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, O.
Wheeling Hinge Co., Wheeling, W. Va.
Youngstown Mfg. Co., Youngstown, O.

Nut Picks

(See Nut Crackers & Picks)

Nut Tappers

(See Nut Tapping Machines)

Nuts (Bicycle)

Chicago Screw Co., 519 Homan av, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
McCloud, Crane & Minter Co., Worcester, Mass.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Rochester Machine Screw Co., Rochester, N. Y.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohi

Nuts (Brass Cap)

Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Corbin Screw Corporation (Acorn Cap or Blank Brass, Bronze, Iron or Steel), New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo
Standard Screw Co., 6 Madison, Chicago, Ill.
STEWARD & ROMAINE MFG. CO., 124 N 6th, Philadelphia, Pa. (See adv index, end of book)

*Nuts (Brass, Hexagon)

NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)

Nuts (Brass & Copper)

American Pin Co. (Brass Only), Waterbury, Conn.
Blake & Johnson Co. (To Order), Waterbury, Conn.
Central City Bolt Co., Syracuse, N. Y.
Chicago Nut Co. (Brass Only), 118 W Jackson boul, Chicago, Ill.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Equipoise Rivet Co. (Brass for Plumbers' Use), Waterbury, Conn.
Gaynor & Mitchell Mfg. Co. (Brass for Steam, Gas & Water Fittings), Bridgeport, Conn.
Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York
International Brass & Electric Co. (Brass Hexagon, Machine Made), 76 Beekman, New York
NATIONAL-ACME MFG. CO. (Brass Only), 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Rochester Machine Screw Co., Rochester, N. Y.
Rockford Bolt Company (Brass), Rockford, Ill.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, Ohio

Nuts (Bridge Pin)

National Bolt & Nut Co., Pittsburg, Pa.

Nuts (Case Hardened)

American Iron & Steel Mfg. Co. (Finished), Lebanon & Reading, Pa.
Anthony Screw Co. (Finished, Check, Planer, etc.), Worcester, Mass.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Garland Nut & Rivet Co., Pittsburg, Pa.
Graham Nut Co., Pittsburg, Pa.
Hall's, Sam'l, Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Phila., Pa.
Milton Mfg. Co. (Finished Hexagon), Milton, Pa.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co. (Finished), Pittsburg, Pa.
Rhode Island Tool Co. (Finished), Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio

*Nuts (Castle)

NATIONAL-ACME MFG. CO. (Iron and Steel), 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)

*Nuts (Castle, Semi Finished)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)

Nuts (Check & Jam)

Bourne & Knowles Mfg. Co. (Cold Punched), Cleveland, O.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Garland Nut & Rivet Co., Pittsburg, Pa.
Graham Nut Co., W Carson nr Point Bridge, Pittsburg, Pa
Handy Car Equipment Co. (For Car & Tract Work), Old Colony bldg, Chicago, Ill
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Kansas City Bolt & Nut Co., Kansas City, Mo
Milton Mfg. Co., Milton, Pa.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.

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Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio

Nuts (Clevis)

Cleveland City Forge & Iron Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.

Nuts (Cold Drawn)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hartford Machine Screw Co. (Steel Hexagon), Hartford, Conn.

Nuts (Cold Pressed)

American Screw Co. (For Machine Screws, Stove Bolts, etc.), Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Berry Bros., E 1st av & R R, Columbus, O.
Columbus Bolt Works, Columbus, O.
Kirk-Latty Mfg. Co., Cleveland, O.
National-Acme Mfg. Co. (Machine Screw), Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Union Nut & Bolt Co., 107 Chambers, New York

Nuts (Cold Punched)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Anthony Screw Co., Worcester, Mass.
Berry Bros., E 1st av & R R, Columbus, O.
BETTCHER MFG. CO, Clark av. at C., C., C. & St. L. Ry., S. W., Cleveland, O. (See adv. index, end of book)
Bourne & Knowles Mfg. Co., Cleveland, O.
Chicago Screw Co. (Hexagon), 519 Homan av, Chicago, Ill.
Clark Bros. Bolt Co., Millidale, Conn.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation (Tapped, Square & Hexagon), New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Garland Nut & Rivet Co., Bailey-Farrell bldg, Pittsburg, Pa. Works: West Pittsburg, Pa.
Graham Nut Co., W Carson nr Point Bridge, Pittsburg, Pa.
Hall's, Sam'l Sons, 229 W. 10th, New York
Haskell, Wm. H., Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Philadelphia, Pa.
Lake Erie Iron Co., Wade bldg, Cleveland, O.
Lanman, E. B., Co., Columbus, O.
Milton Mfg. Co. (Chamfered & Trimmed), Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mount Carmel Bolt Co. (Stove, Bolt & Rod, etc.), Mount Carmel, Conn.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., Baltimore, Md.
Neely Nut & Bolt Co., Pittsburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co. (Chamfered & Trimmed), Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis,
Smith, Thos. & Co., Worcester, Mass. Mo.
Upson Nut Co., Unionville Conn., & Cleveland.
W. & S. Mfg. Co., Worcester, Mass. Ohio

*Nuts (Coupling)

CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)

Nuts (Elastic)

Q. M. S. Co., Plainfield, N. J.

Nuts (Forged)

Aetna Nut Co. (Machine Forged), Southington, Conn.
American Iron & Steel Mfg. Co. (Large), Lebanon, Pa.
Billings & Spencer Co., Hartford, Conn.
National Bolt & Nut Co. (Large), Pittsburg, Pa.
St. Louis Steam Forge & Iron Works, East St. Louis, Ill.

Nuts (Hot Pressed)

Aetna Nut Co., Southington, Conn.
American Equipment Co. ("U. S. Standard"), Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
BETTCHER MFG. CO., Clark av. at C., C., C. & St. L. Ry., S. W., Cleveland, O. (See adv. index, end of book)
Elastic Nut & Bolt Co., Milwaukee, Wis.
Columbus Bolt Works, Columbus, O.
Graham Nut Co., W Carson nr Point Bridge Pittsburg, Pa
Hall's, Sam'l Sons, 229 W 10th, New York
Hoopes & Townsend Co., 1800 Buttonwood Phila., Pa
Kansas City Bolt & Nut Co., Kansas City, Mo
Lake Erie Iron Co., Wade bldg., Cleveland, O
Lamson & Sessions Co., Cleveland, O.
Lanz, Matthew & Sons, 101 S. 29th, Pittsburg Pa
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co. (Square & Hexagon), Milton, Pa.
Moran Bolt & Nut Mfg. Co., Florida & Main
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., Baltimore, Md.
Neely Nut & Bolt Co., Pittsburg, Pa.
New Castle Forge & Bolt Co. (Square & Hexagon), New Castle, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Penn Iron & Steel Co., Lancaster, Pa.
Republic Iron & Steel Co., Frick bldg. Annex Pittsburg, Pa
St. Louis Screw Co., 600 E Clarence, St. Louis Mo
Scranton Bolt & Nut Co. (Square & Hexagon). Scranton, Pa
Upson Nut Co., Unionville, Conn., & Cleveland Ohio

Nuts (Joint)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., Florida & Main, St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex Pittsburg, Pa
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Smith, Thos. & Co., Worcester, Mass.
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Nuts (Knurled)

Corbin Screw Corporation (Thumb), New Britain, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo.

Nuts (Lock)

(See Lock-Nuts)

Nuts (Machine Screw)

American Screw Co. (Tapped), Providence, R. I. & 19 Lake, Chicago, Ill
ATLAS BOLT & SCREW CO., THE (Brass & Iron), Marquette, opp. Hamilton av, N E, Cleveland, O.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Moran Bolt & Nut Mfg. Co., Florida & Main, St. Louis, Mo.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
Old Dominion Iron & Nail Works Co., Richmond, Va.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Reed & Prince Mfg. Co. (Iron & Brass, Square & Hexagon), Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N.Y.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Nuts or Collars

Chicago Screw Co., 519 Homan av, Chicago, Ill.
DETROIT SCREW WORKS, 348 Franklin Detroit, Mich. (See adv. index, end of book)
Haskell, Wm. H., Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo.
Smith, Thos. & Co., Worcester, Mass.

Nuts (Phosphor Bronze)

Phosphor Bronze Smelting Co., 2204 Washington av, Philadelphia, Pa.

Nuts (Pipe Sleeve)

American Iron & Steel Mfg. Co., Lebanon & Reading, Pa.

*Nuts (Planer Head Bolt)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E., Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)

Nuts (Semi-Finished)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Anthony Screw Co., Worcester, Mass.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Garland Nut & Rivet Co., Pittsburg, Pa.
Graham Nut Co., Pittsburg, Pa.
Hall's, Samuel Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I
Hoopes & Townsend Co., 1330 Buttonwood, Phil.
Milton Mfg. Co., Milton, Pa. Phila., Pa.
National Acme Mfg. Co., Cleveland, Ohio
National Bolt & Nut Co., Pittsburg, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio

Nuts (Sleeve)

American Iron & Steel Mfg. Co. (Hexagon, Pipe etc.), Lebanon, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo
Moran Bolt & Nut Mfg. Co., Florida & Main, St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Bolt & Nut Co., Pittsburg, Pa.
Republic Iron & Steel Co., Frick bldg Annex. Pittsburg, Pa
Rhode Island Tool Co., Providence, R. I.

Nuts (Stove, Bolt & Rod)

American Screw Co., Providence, R. I.
ATLAS BOLT & SCREW CO., THE, Marquette, opp. Hamilton av., N. E., Cleveland, O.
Berry Bros., E 1st av & R. R., Columbus, O
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Lamson & Sessions Co., Cleveland, O.
Moran Bolt & Nut Mfg. Co., Florida & Main, St. Louis Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Pittsburg, Pa.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo.

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Nuts (Tapped)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Anthony Screw Co., Worcester, Mass.
Columbus Bolt Works, Columbus, O.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Colorado Fuel & Iron Co., Denver, Col.
Corbin Screw Corporation (Square & Hexagon), New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Garland Nut & Rivet Co., Pittsburg, Pa.
Graham Nut Co., W Carson nr Point Bridge, Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Kansas City Nut & Bolt Co., Kansas City, Mo.
Lamson & Sessions Co., Cleveland, O.
Lenz, M., & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Penn Iron Co., Lancaster, Pa.
Republic Iron & Steel Co., Frick bldg Annex Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Smith, Thos. & Co., Worcester, Mass.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio

*Nuts (Telephone)

NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)

Nuts (Thumb or Wing)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Besley, Chas. H. & Co., Chicago, Ill.
BETTCHER MFG. CO., Clark av. at C., C., C. & St. L. Ry, S W, Cleveland, O. (See adv. index, end of book)
Billings & Spencer Co., Hartford, Conn.
Chicago Nut Co. (Brass Only), 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation (Brass, Bronze, Iron & Steel), New Britain, Conn
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Eberhard Mfg. Co., Cleveland, O.
Hardware & Woodenware Mfg. Co. (Thumb), 603 B'way, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Lamson & Sessions Co., Cleveland, O.
Logan & Strobridge Iron Co. (Thumb), New Brighton, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Miles, Franklin S. (Est. of), 205 Quarry, Phila., Pa.
Mount Carmel Bolt Co., Mount Carmel, Conn.
PAGE-STORMS DROP FORGE CO. (Thumb, Drop Forged Steel), Chicopee, Mass. (See adv. index, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pratt & Letchworth, Buffalo, N. Y.
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., 600 E. Clarence, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Welch, T. F. & Co. (Brass), Boston, Mass.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Nuts (Tire Bolt)

American Screw Co., Providence, R. I.
ATLAS BOLT & SCREW CO., THE, Marquette, opp. Hamilton av., N. E., Cleveland, O.
Berry Bros., E. 1st av & R. R., Columbus, O.
Columbus Bolt Works, Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Lamson & Sessions Co., Cleveland, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Rockford Bolt Co. (Square & Hexagon), Rockford, Ill.
St. Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Nuts (Weldless Eye)

Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.

Oakum

Alden, H. L., Camden, Me.
American Mfg. Co., 63 Wall, New York
Baltimore Oakum Works (Napoleon B. Woodward, Prop.), 916 S B'way, Baltimore, Md.
Baker, Wm. T., Jersey City, N. J.
CARPENTER, GEO. B. & CO., 202 S. Water, Chicago, Ill. (See adv. index, end of book)
Chelsea Fibre Mills, 33 Union sq. Factory, Brooklyn, N. Y.
Davey, W. O. & Sons, Jersey City, N. J.
De Graun & Boyden, 14 Coenties sl, New York
Disbrow & Co., 56 Warren, New York
Hoffman-Corr Mfg. Co., 55 White, Duane, New York
Lawrence Cordage Works, 46 South, New York
Marine Mfg. & Supply Co., 156 South, New York
Meagher's, Jas., Sons, 327 28th, San Francisco, Cal.
Overman & Schrader Cordage Co. (Marine & Plumbers), Covington, Ky.
Planet Mill Mfg. Co., 335 Carroll, Brooklyn, N. Y.
Stratford, Geo. Oakum Co., Jersey City, N. J.
Tibbals Oakum Co., Cohalt, Conn.
Travers Bros. Co., 41 Worth, New York
TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la., New York. (See adv. index, end of book)
Wall, Wm. F., 56 South, New York
Winnie, F. W. & Son, 237 Market, Phila., Pa.
Zelnicker, Walter A., Supply Co. (Caulking), St. Louis, Mo.

Oar Mfrs.

Bailey Co. (Steel), 220 21st, Detroit, Mich.
CARPENTER, GEO. B. & CO., 202 S. Water, Chicago, Ill. (See adv. index, end of book)
Clarendon Boat & Oar Co., Clarendon, Ark.
Davis Boat & Oar Co., Detroit, Mich.
De Grauw Aymer & Co., 34 South, New York
Detroit Boat Works, Detroit, Mich.
Detroit Canoe & Oar Works, Detroit, Mich.
Ester, E. B. & Son, 45 John, New York City
Hinckley Bros. & Co., 58 Commercial, Boston, Mass.
New York Boat Oar Co., 69 West, New York
Racine Mfg. Co., Racine, Wis.
Ruchton, J. H., Canton, N. Y.
St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
Sheldon, Orin Co., Boston, Mass.
Smith, Jno. T., 159 South, New York
Squiers, Hy. C. & Son, 20 Cortlandt, New York
Strand-Youngquest Mfg. Co., 2000 Clinton av, Minneapolis, Minn.
Stryker Mfg. Co., Stryker, Ohio.
Trumbull, Eli., Mentone, Ind.
West Unity Mfg. Co., West Unity, Ohio.
Wells Boat Oar Co., Devall Bluff, Ark.
Wilber & Wheelock, Clayton, Ohio.

Oats Cleaner

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Kasper, W. S., Standard Oats Cleaner Co., 2020 W. 53rd, S. W., Cleveland, O.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)

Ochres

Blue Ridge Ochre Co., Cartersville, Ga.
Cherokee Ochre Co., Cartersville, Ga.
Davidson, Jas. H., 229 Front, New York
Georgia Peruvian Ochre Co., South Bethlehem, Pa., & Cartersville, Ga.
Hanna & Andrus Mfg. Co. (Chrome Ochres etc.), Chicago, Ill.
Mepham, Geo. S., & Co., East St. Louis, Ill.
Smith, J. Lee, & Co., 59 Frankfort, New York
Star Clay Co., Mertztown, Pa.
Waeber & Lea Co. (French Imported), 118 Hudson, New York
Wilbur, Job, Co., Providence, R. I.
Williams, C. K., & Co., Easton, Pa.

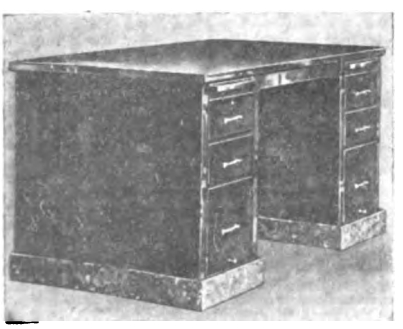
Odometers

(See Meters, Distance Recording)

*Office Furniture ("Allsteel")

GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)

OFFICE FURNITURE AND FILING EQUIPMENT



YOUNGSTOWN OHIO
Allsteel

Vertical and horizontal filing devices to take all standard supplies—finished in oak and mahogany graining—write for booklet F-76.

Lockers and wardrobes for offices, factories, club houses and armories—write for booklet F-58.

Made entirely of steel and carried in stock for immediate shipment.

WARDROBES AND LOCKERS



COST NO MORE THAN WOOD.

For Bank, Library and Public Building Equipment, see adv. opposite Page 49

THE GENERAL FIREPROOFING COMPANY

For Branch Office Addresses, See Advertisers' Index, End of Book.

YOUNGSTOWN, OHIO

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*Office & Loft Building Directories (Changeable)

TABLET & TICKET CO., 70-86 W. Jackson boul., Chicago, Ill., & 381 B'way, New York. (See adv. index & branch offices, end of book)

Ohmmeters

Du Vivier, Ernest H., 30 Church, New York
Keystone Electrical Instrument Co., 9th & Montgomery av, Phila., Pa.
Leeds & Northrop Co., 4901 Stenton av, Gtn., Phila., Pa.
Roller-Smith Co., Bethlehem, Pa.
Sandwich Electric Co. ("Illinois" Direct

Taunton Oil Cloth Co., Taunton, Mass.
Trenton Oil Cloth & Linoleum Co. (Table, Shelf & Stair Enameled, etc.), Trenton, N. J.

*Oil Cup Bases (Pressure-Oiling Systems)

LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Oil Cups

(See Lubricators, Oil & Grease Cup)

Oil Stones

(See Stones, Oil & Water)

*Oil Storage Paint

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

*Oil Storage Systems

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Oil Well Supplies (Rubber)

OIL WELL SUPPLY CO.

PROSPECTING AND POWER MACHINERY

BOILERS
GAS ENGINES
STEAM ENGINES
DRILLING TOOLS
DRILLING MACHINES
MANILA AND WIRE ROPE
STEAM AND LINE PIPE
CASING, TUBING, DRIVE PIPE

BRASS GOODS
STOCKS AND DIES
MILL AND MINE SUPPLIES
VALVES OF ALL DESCRIPTIONS
STEAM, WATER AND GAS SUPPLIES
PIPE LINE AND REFINERY SUPPLIES

MAIN OFFICES:

PITTSBURGH, PA., U. S. A.

Haskell, Robt. C., & Co. (Floor), Troy, N. Y.
James, T. M., & Co. (Table, Shelf), 173 Canal, New York
Monarch Rubber Oil Cloth Co. (Carriage), 41 N. 7th, Phila., Pa.
Nairn Linoleum Co. (Floor), Kearny, N. J.
Potter, Thos., Sons Co. (Inc.), (Floor, Table & Rugs), 522 Arch, Phila., Pa., & 41 Union sq., New York
Sampson, Alden & Sons (Floor), 58 Reade, New York
Standard Table Oil Cloth Co. (Table, Shelf, Stair & Carriage, etc., Enameled), 320 B'way, New York

*Oil Refineries Complete (Constructors of)

PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg., Pittsburg, Pa. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)

Oil Stains

(See Wood Stains)

California Supply Co., Los Angeles, Cal.
Campbell, J. G. & W., Butler, Pa.
Childs, Jno., Smiths Ferry, Pa.
Clark Supply Co., Noblesville, Ind.
Corlett & Co., Knox, Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Dresser, S. R. (Specialties), Bradford, Pa.
Dunham, Carrigan & Hayden Co., San Francisco, Cal.
DU PONT, E. I., de NEMOURS POWder Co. (Oil Well Explosives), Wilmington, Del. (See adv. index & branch offices, end of book)



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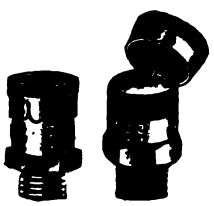
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SEND FOR SAMPLES AND PRICES

BENNETT HANDY OILERS

Self Closing made in sizes ¼ to ⅜ Varying 1-16
Toggle Top made in several styles and sizes

SEND FOR CATALOG, SAMPLES AND PRICES



TOGGLE TOP



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BAY STATE STAMPING CO.

WORCESTER, MASS.

European Agents, CHARLES CHURCHILL & CO., London, Eng.

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Emery, L., Jr., & Co., Bradford, Pa.
Emery, W. N. & Son, Franklin, Pa.
Evans Mfg. Co., Butler, Pa.
Findlay Foundry & Machine Co., Findlay, O.
Frick-Reid Supply Co., Bartlesville, Okla.
Frick & Lindsay Co., 109 Wood, Pittsburg,
Gallaway, G. W., 322 Pearl New York Pa.
Harper & Reynolds Co., Los Angeles, Cal.
Harron, Richard & McCone (Inc.), San Fran-
Hays, E. F. & Sons, Chicora, Pa. cisco, Cal.
Heller, Aller & Co., Napoleon, O.
Herron, R. H. Co., Los Angeles, Cal.
Hoch Bros., Chicora, Pa.
Hooker, J. D. Co., Los Angeles, Cal.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Johnson, C. H., Chicora, Pa.
Jones, S. M. Co., Toledo, O.
Kane Supply Co., Kane, Pa.
Keiser, Geo., & Co., Muncie, Ind.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Kesselman & Co., Butler, Pa.
Laney, T. G., Lima, O.
Laughner, E. E., Ethel Landing, Pa.
Leidecker Tool Co., Marietta, O.
Leschen, A. & Sons Rope Co., St. Louis, Mo.
Logan, A. W., Oil City, Pa.
McDowell, W. I., Knox, Pa.
McEwen Bros., Wellsville, N. Y.
McFie, W. T. Supply Co., Los Angeles, Cal.
Magee, Jno. A. & Son, Clarion, Pa.
Masseth Packer & Machine Works, Butler,
Mitchell, H. B., Emlenton, Pa. Pa.
Moorhouse, G. W., Kinzua, Pa.
Muncie Gas Engine & Supply Co., Muncie,
National Supply Co., Toledo, O. Ind.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Parke & Lacy Co., San Francisco, Cal.
Pattin Bros. Co., Marietta, O.
Pickett Hardware Co., Warren, Pa.
Prichard, F. A. & Co., Mannington, W. Va.
Reid, Jos., Gas Engine Co., Oil City, Pa.
Rouseville Supply Co., Rouseville, Pa.
Sennett, G. B. Co., Youngstown, O.
Sherman, J. B., Butler, Pa.
Sinclair & Morrison Co., Lima, Ohio
Spence & Smith, Parkersburg, W. Va.
Stiles Foundry & Supply Co., Parkersburg, W. Va.
Tay, Geo. H. Co., 49 1st, San Francisco, Cal.
Turner, C. H. Co., Parkersburg, W. Va.
Wyssbrod, E. V. & Co., Findlay, O.
Young & Groove, Eldred, Pa.

Oil & Grease Cups

(See Lubricators, Oil & Grease Cup)

Oil & Grease Extractors

(See also Separators, Steam & Oil)

Acton, John ("Nelson," Water Separator or Grease Extractor), 118 John, Brooklyn, N. Y.
Ambrose Machine Co., Eagle & Provost, Brooklyn, N. Y.
Atwood & Morrill ("XX Century"), Salem, Mass.
Austin Separator Co., 55 Woodbridge, Detroit, Mich.
BEGGS, JAMES & CO. ("Blackburn-Smith" Feed Water Filter & Grease Extractor), 109 Liberty, New York. (See adv. index, end of book)
Consolidated Engineering Co. ("Van Auken"), cor. Jackson & Canal, Chicago, Ill.
Direct Separator Co. ("Sweets"), Detroit, Mich.

REILLY
Grease Extractor
Filters water through toweling and removes oil, grease and other impurities.
Designed for High Pressure.
ABSOLUTE NECESSITY IN BOILER PLANTS
THE GRISOM-SPENCER CO.
90 West Street, NEW YORK, N. Y.

GRISCOM-SPENCER CO. ("Reilly-Ebsen") 90 West, New York, & Yt. Washington av., Phila., Pa. (See adv. index & branch office end of book)
Hussey, McCann & Co. ("Peerless" Grease), 87 Warren, New York
Jacobs, C. & Co. ("Lowden"), 51 Oliver, Boston, Mass.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Jarvis Engine & Machine Works ("Monitor"), Lansing, Mich.
Kruger & Blind Co., 511 Master, Phila., Pa.
Lippincott Steam Specialty & Supply Co. ("Lippincott"), Newark, N. J.
Loew Mfg. Co. ("Loew"), Cleveland, O.
Multicoil Co., 78 Broad, New York
Nicholson, W. H., & Co. ("Wyoming" Automatic), Wilkesbarre, Pa.
Reliance Mfg. Co., Cleveland, O.
Robertson, Jas. L., & Sons, Inc. ("Hines"), 48 Warren, New York
Sims Co., Erie, Pa.
Watson & McDaniel Co. ("Jennings"), 146 N. 7th, Phila., Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Oilers (Car Journal Box)

Armstrong Oiler Co. (Automatic), Commonwealth bldg, Philadelphia, Pa.

Oilers (Car Pit)

Hawkins Car Oiler & Specialty Mfg. Co., Inc. ("Hawkins"), Lowell, Mass.
McClintock & Irvine Co., Pittsburg, Pa.
Wall, P., Mfg. Supply Co. ("Walls"), Allegheny, Pa.

*Oilers (Cross Head Pin)

LUNKENHEIMER CO. ("H.-W."), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Oilers (Engine & Machine)

(See also Cans, Oil, Etc.)

American Tube & Stamping Co. (Steel, Brass, Copper or Nickel Plated), Bridgeport, Conn.
Bloomer, R. E. ("Cannon"), Keithsburg, Ill.
Bowen Mfg. Co., Auburn, N. Y.
Consolidated Fruit Jar Co. (Zinc, Brass & Copper), New Brunswick, N. J.
Detroit Ship Building Co. (Brass Department), Detroit, Mich.
Deverall Perfection Mfg. Co. ("Deverall"), Coney Island av & Johnson pl, Brooklyn, N. Y.
Dover Stamping & Mfg. Co. (Tin & Brass), Cambridge, Mass
Draper Co. ("Getchell's Improved "Thompson' "), Hopedale, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
Essex, G. B., Brass Co., Detroit, Mich.
Gans, Jno. L. ("The Tormay"), Connellsville, Pa.
Gem Mfg. Co. ("Gem" & "Pyramid"), Polished Brass & Steel Bright Finish), Spruce nr 33d, Pittsburg, Pa.
Geuder & Paeschke & Frey Co. (Pieced Tin & Galvanized Iron, Bent & Straight Spout, also Spring Bottom Oilers), Milwaukee, Wis.
Gustafson Mfg. Co. (Rapid Fire Car Wheel), Chattanooga, Tenn.
Hall Mfg. Co. ("Hall's," "Bartow"), John & Cliff, New York
Hammer & Co. (Malleable Iron), Branford, Conn.
Hero Fruit Jar Co., Gaul & Adams, Phila., Pa.
Iron Clad Mfg. Co. ("Thompson"), 46 Cliff, New York
Ironsides Co. ("Tormay" for Mine Cars), Columbus, O.
Jackson, J. W. ("Jackson" Tin Self Closing Engine Oiler), Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Knapp Mfg. Co. (Engineers' Brass Sets), 20 Warren, New York
Lavigne Mfg. Co., Detroit, Mich.
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McClintock & Irvine Co. ("M. & I." Sheet Steel), Pittsburg, Pa.
Manhattan Brass Co. (Brass & Zinc), 334 E 28th, New York
Maple City Mfg. Co. ("Howland" Pump & Valve Oiler), Monmouth, Ill.
Michigan Lubricator Co. ("Michigan" Sight Feed & Steel & Nickel Hand Oilers), Detroit, Mich.
Noera Mfg. Co. ("Noera," "Thompson," "Puritan" Brass & Steel, of All Kinds), Waterbury, Conn.
Nugent, Wm. W. & Co. ("Nugent," Crank & Crosshead Pin, etc.), 18 W. Randolph, Chicago, Ill.
Pederson Mfg. Co., 636 1st av, New York
Penberthy Injector Co., 346 Heiden av., Detroit, Mich.
Powell, Wm. Co. (Glass, Plain & Sight Feed), 25-29 Spring Grove av, Cincinnati, O.
Sands Mfg. Co. ("Sands," Steel Brazed), Allegheny, Pa.
Tower & Lyon Co. ("Dome," Spring Bottom, Malleable Iron), 95 Chambers, New York
Vogel, Wm. & Bros. ("Acme"), 37 S 9th, Brooklyn, N. Y.
Wall, P. Mfg. Supply Co. ("Wall's" Vent, Pyramid, Steel & Spring Bottom), Allegheny, Pa.
WHITMAN & BARNES MFG. CO., (Copperized Steel, etc.), Chicago, Ill. (See adv. index & branch offices, end of book)
Wilkinson Mfg. Co. ("Wilkinson" Force Feed), 69 Wall, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Oilers (Floor)

Garnet, Geo. H. ("Universal"), Allentown, Pa.

Oilers (Locomotive)

Dressel Railway Lamp Works, 3860 Park av, New York
Gem Mfg. Co. ("Gem" Steel), Pittsburg, Pa.
Gray, Peter & Sons (Engineers' Heavy), 88 Union, Boston, Mass.
Handlan-Buck Mfg. Co. ("Perfection" Valve), St. Louis, Mo.
Jackson, J. W. ("Jackson" Oil Can), Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Knapp Mfg. Co., 20 Warren, New York
Lonergan, J. E. & Co. (Piston Rod, Guide Valve, Stem Oilers, etc.), 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Maple City Mfg. Co. ("Howland" Pump Oilers, etc.), Monmouth, Ill.
Penberthy Injector Co., Detroit, Mich.
Noera Mfg. Co. ("Noera" Brass & Steel of All Kinds), Waterbury, Conn.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N.Y.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Oilers (Loose Pulley)

American Lubricator Co. ("American"), Detroit, Mich.
Gem Mfg. Co., Pittsburg, Pa.
Herring, W. C. & McGinty Co. ("Perfect"), Mansfield, O.
Lawson Mfg. Co. (Oil Cups), Buffalo, N. Y.
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Swain Lubricator Co. ("Swain"), c Lake & S Water, Chicago, Ill.
Van Dusen, E. W. Co., 428 E 2d, Cincinnati, Ohio

Oilers (Mowing Machine)

Akron Mfg. Co., Akron, O.
American Tube & Stamping Co. (Copperized Steel Spring Bottoms), Bridgeport, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass
Gem Mfg. Co. ("Gem"), Pittsburg, Pa.
Geuder & Paeschke & Frey Co., Milwaukee, Wis.
Maple City Mfg. Co. ("Howland" Pump Oilers, etc.), Monmouth, Ill.
Noera Mfg. Co. ("Noera"), Waterbury, Conn.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N.Y.

*Oilers (Multiple)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

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Oilers (Self-Closing, Dust Proof)

Bowen Mfg. Co., Auburn, N. Y.

Oilers (Spring)

American Tube & Stamping Co., Bridgeport, Conn.
Gem Mfg. Co., Pittsburg, Pa.
Hammer & Co., Brandford, Conn.
Republic Metal Co., Buffalo, N. Y.
Tower & Lyon Co., 95 Chambers, New York

Oilers (Windmill)

Red Cross Mfg. Co. (Automatic), Bluffton, Ind.

Oiling Sets (Engineers')

American Tube & Stamping Co. (Steel Copperized & Nickel Plated), Bridgeport, Conn.
Consolidated Fruit Jar Co. ("Paragon"), New Brunswick, N. J.
Deverall Perfection Mfg. Co. ("Perfection"), Coney Island av & Johnson pl, Brooklyn, N. Y.
Dressel Railway Lamp Works, 3860 Park av, New York
Gem Mfg. Co. ("Gem" Steel), Pittsburg, Pa.
Hall Mfg. Co. ("Hall's), John & Cliff, New York
Knapp Mfg. Co., 20 Warren, New York
Noera Mfg. Co. ("Noera" Steel, Copper Plated), Waterbury, Conn.
PITTSBURGH GAGE & SUPPLY CO. ("White Star" Continuous), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Vogel, Wm., & Bros., Brooklyn, N. Y.
Wall, P., Mfg. Supply Co. ("Walls"), Allegheny, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Oiling Systems (Continuous)

PITTSBURGH GAGE & SUPPLY CO. ("White Star"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Syracuse Gauge Mfg. Co., Syracuse, N. Y.

Oils (Analine)

Armitage Mfg. Co., Richmond, Va.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Mills, C. E. Oil Co., Syracuse, N. Y.

*Oils (Automobile)

INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)

Oils (Bicycle & Sewing Machine)

INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Mills, C. E. Oil Co., Syracuse, N. Y.
Nye, Wm. F., New Bedford, Mass.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York
Union Petroleum Co., 135 S 2d, Phila., Pa.

Oils (Car Cleaning)

Columbia Refining Co. ("Columbia" Varnish Cleaner & Preserver), 90 West, New York

Oils (Castor)

Baker, H. J., & Bro., 100 William, New York
Fuerst Bros. & Co., 2 Stone, New York
National Lead Co., New York

Oils (Castor Machine)

Bulls Head Oil Works, San Francisco, Cal.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Cement Floor)

Mills, C. E. Oil Co., Syracuse, N. Y.
Sonneborn, L. Sons (Inc.), ("Amalia" Dust Layer), 262 Pearl, New York

Oils (Cochin)

Mills, C. E. Oil Co., Syracuse, N. Y.
Welch, Holme & Clark Co. ("East India"), 383 West, New York

Oils (Cocoanut)

Elbert & Werlemann (Inc.), 68 Broad, New York
Fuerst Bros. & Co., 2 Stone, New York
Hill's, Edw., Sons & Co., 71 Pine, New York
Hollingsworth & Peterson, Phila., Pa.
Magnus, Babee & Reynard (Inc.), 257 Pearl, New York
McKesson & Robbins, 91 Fulton, New York
Mills, C. E. Oil Co., Syracuse, N. Y.
Paterson, Boardman & Co., 8 Bridge, New York
Tennant, C., Sons & Co., 76 William, New York
Welch, Holme & Clark Co., 383 West, New York
Winkler, Isaac Bro., Cincinnati, O.

Oils (Core)

(See also Compounds, Core)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Holland Linseed Oil Co., 688 Austin av, Chicago, Ill.
Mills, C. E. Oil Co., Syracuse, N. Y.
National Core Oil Co. (Oil or Compounds), Corning, N. Y.
Sterling Oil Co. ("Sterling"), Emlenton, Pa.

Oils (Corn)

American Hominy Co., Indianapolis, Ind.
Corn Products Refining Co. ("Paragol" Unadulterated), 26 B'way, New York

Oils (Cottonseed)

American Cotton Oil Co. ("I. & L."), 21 Beaver, New York
Curry, W. C. Co., Louisville, Ky.
Havens Oil Co., Washington, N. C.
Louisville Cotton Oil Co., Louisville, Ky.
Mills, C. E. Oil Co., Syracuse, N. Y.
Portsmouth Cotton Oil Refining Co., Portsmouth, Va.
Proctor & Gamble Co., Cincinnati, O.
Trinity Cotton Oil Co., Dallas, Tex.
Winona Oil & Mfg. Co., Winona, Miss.

Oils (Creosote)

Armitage Mfg. Co., Richmond, Va.
Barrett Mfg. Co., Land Title Bldg., Philadelphia, Pa.
Cromwell-Walker Co., Harrison, N. J.
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Lewis Roofing Co., Rock Island, Ill.
McClintock & Irvine Co., Pittsburg, Pa.
Mills, C. E. Oil Co., Syracuse, N. Y.
Walker-Cromwell Co., Kearny, N. J.
Wilckes, Martin, Wilckes Co., 135 William, New York

Oils (Cutting & Polishing)

Houghton, E. F. & Co., 240 W Somerset Philadelphia, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Mills, C. E. Oil Co., Syracuse, N. Y.
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Cycle)

Buffalo Specialty Co. ("Fragrant"), 375 Ellicott, Buffalo, N. Y.
Mills, C. E. Oil Co., Syracuse, N. Y.
National Cement & Rubber Mfg. Co. ("Oilline" & "Veryhest"), Toledo, O.

Oils (Cylinder)

(See Lubricating Oils & Greases)

Oils (Drilling)

Houghton, E. F. & Co., 240 Somerset, Philadelphia, Pa.
Mills, C. E. Oil Co., Syracuse, N. Y.
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Fish)

Brown, Ellery & Co. (Sperm, Whale, Cod, etc.), Salem, Mass.
Cook, N. B., Oil Co. (Sperm, Whale, Sea Elephant, Cod, Neatsfoot, etc.), 148 Front, New York
Mills, C. E. Oil Co., Syracuse, N. Y.
Robinson, W. A., & Co. (Sperm, Whale, Menhaden, Sea Elephant, etc.), New Bedford, Mass.
Swan & Finch Co. (Sperm, Fish, Whale, Cod, Seal, etc.), 151 Maiden Lane, New York

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INC.

HIGH GRADE **PETROLEUM** PRODUCTS

Produced from High Grade third sand paraffine base Illinois Crude.

BURNING OILS.
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NO ODOR. NO SOOT.

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General offices, First Nat'l Bank Bldg.,
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Refineries: LAWRENCEVILLE, ILLS.
GEORGETOWN, KY.
EAST ST. LOUIS, ILLS.

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Oils (Floor)

Mills, C. E. Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia"; also "Amalia" Wax Gloss), 262 Pearl, New York

Oils (Fusel)

Albany Chemical Co., Albany, N. Y.
McKesson & Robbins, New York
Maas & Waldstein, 100 William, New York
Mills, C. E. Oil Co., Syracuse, N. Y.
National Aniline & Chemical Co., 100 William, New York

Oils (Gas & Fuel)

Associated Oil Co. (Crude Fuel Oil), San Francisco, Cal.
Bulls Head Oil Works, San Francisco, Cal.
Emery Mfg. Co., Bradford, Pa.
Freedom Oil Works Co., Freedom, Pa.
Gulf Pipe Line Co., Frick Bldg. Annex, Pittsburg, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Manufacturers Paraffine Co., Chester, Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.
Prairie Oil & Gas Co., Independence, Kan.
Richardsson-Gay Oil Co., Corsicana, Texas
Rollin Mfg. A'ssn. & Tank Line Co., Chanute, Kan.
Standard Oil Co., 555 W 25th, New York
Sun Oil Co., Toledo, O.
Union Petroleum Co., 125 S 2d, Phila. Pa.

Oils (Harness)

Frazer Lubricator Co. ("Frazer"), 88 Murray, New York
Freedoms Oil Works Co., Freedom, Pa.
Imperial Leather Preserver Mfg. Co. (Water Proof), 216 Chandler, Philadelphia, Pa.
Miller, Frank Co., 349 W 26th, New York
Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons ("Amalia," also Grease), 262 Pearl, New York
Standard Oil Co. ("Eureka"), 555 W 25th, New York
Victor Mfg. Co., 72 Chestnut, Newark, N. J.

Oils (Headlight)

Freedoms Oil Works Co., Freedom, Pa.
Galena Signal Oil Co. ("Galena"), Franklin, Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Horse)

American Reduction Co., Pittsburg, Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Illuminating)

Derrick Oil Co., Titusville, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Loos & Dilworth, 134 S Front, Phila., Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.
Paragon Refining Co., Toledo, O.
Penn Refining Co., Oil City, Pa.
Standard Oil Co., 555 W 25th, New York

Oils (Japan)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sipe, Jas. B. & Co., Allegheny, Pa.
Thompson & Co., Allegheny, Pa.

Oils (Japinol)

Columbia Refining Co., 90 West, New York

Oils (Kerosene)

Bulls Head Oil Works, San Francisco, Cal.
Great Western Oil Co. ("Palacelite"), Cleveland, O.
Gulf Refining Co., Pittsburg, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Mills, C. E. Oil Co., Syracuse, N. Y.
Standard Oil Co., 555 W 25th, New York

Oils (Lard)

Harshaw, Fuller & Goodwin Co., Cleveland, O.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Lawn Mower)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York
Supplee Hardware Co. ("Pennsylvania"), 508 Market, Phila., Pa.

Oils (Linseed)

(See Linseed Oil & Cake Mills)

Oils (Lubricating)

(See Lubricating Oils & Greases)

Oils (Lustre)

Houghton, E. F. & Co. (For Velvet & Plush Mfgs.), 240 Somerset, Phila., Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Miners' Torch)

INDIAN REFINING CO. ("Rarus," "Guiding Star"), Cincinnati, O. (See adv. index, end of book)
Sonneborn, L. Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Neatsfoot)

Harshaw, Fuller & Goodwin Co., Cleveland,
Mills, C. E., Oil Co., Syracuse, N. Y. Ohio

Oils (Paint)

Akron Varnish Co., Akron, O.
Ball Chemical Co. ("Oxolin"), Pittsburg, Pa.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Palm)

Crooks, Rob & Co., 135 Front, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Marden, Orth & Hastings, 225 Purchase, Boston, Mass.
Mills, C. E., Oil Co., Syracuse, N. Y.
Osborn, A., & Co., 236 Milk, Boston, Mass.
Welch, Holme & Clark Co., 383 West, New York
Young, Frank L. & Kimball, Boston, Mass.

Oils (Paraffine)

Emery Mfg. Co., Bradford, Pa.
Manufacturers Paraffine Co., Chester, Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.
Penna Paraffine Works, Titusville, Pa.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Pine)

Atlantic Turpentine Co. (for Paints, Varnish, Soaps, Stains, Polishes, etc.), Savannah, Ga.
Mills, C. E., Oil Co., Syracuse, N. Y.
Walker Chemical Works, Harrison, N. J.

Oils (Pistonite)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Polishing)

(See Polish, Furniture)

Oils (Red)

Bulls Head Oil Works Co. (Machine), San Francisco, Cal.
Goodwin Mfg. Co., St. Louis, Mo.
Mills, C. E., Oil Co., Syracuse, N. Y.
Manufacturers Paraffine Co. ("Victor"), Chester, Pa.
Schneider, E., & Co. (Saponified), Fisher Bldg., Chicago, Ill.
Shaw, John, & Co. (Turkey Red), Boston, Mass.
Sonneborn, L., Sons (Inc.), ("Amalia," Turkey Red), 262 Pearl, New York

Oils (Rosin)

Binney & Smith Co., 81 Fulton, New York
Casey, Jno. A. Co., 144 Maiden la, New York
Magnus, Mabee & Reynard, 257 Pearl, New
Mills, C. E., Oil Co., Syracuse, N. Y. York
New York Rosin Oil & Varnish Co., 82 Beaver, New York
Peninsular Naval Stores Co., Tampa, Fla.
Willcox-Ives Oil Co., Savannah, Ga.

Oils (Safety Lamp)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Shingle Stain)

Georgia Pine Turpentine Co. of N. Y., 188 Perry, New York
Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Signal)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York

Oils (Silk)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons ("Amalia" for Textile Use), 262 Pearl, New York

Oils (Skid)

Bulls Head Oil Works, San Francisco, Cal.
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Soluble)

Shaw, John, & Co., Boston, Mass.
Thomsen Chemical Co., Baltimore, Md.

Oils (Tanners')

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L., Sons (Inc.), ("Amalia" Oils & Greases), 262 Pearl, New York

Oils (Tar)

Georgia Pine Turpentine Co. of N. Y., 188 Perry, New York
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Tempering)

Houghton, E. F. & Co., 240 W Somerset, Phila., Pa.
Mills, C. E., Oil Co., Syracuse, N. Y.
Osborn-Colwell Co., 40 Cliff, New York
Sonneborn, L. Sons (Inc.) ("Amalia"), 262 Pearl, New York
Zurn, O. F. Co., Broad & Lehigh, Phila., Pa.

Oils (Transformer)

Mills, C. E., Oil Co., Syracuse, N. Y.
Sonneborn, L. Sons (Inc.) ("Amalia"), 262 Pearl, New York

Oils (Turbine Engine)

INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Mills, C. E., Oil Co., Syracuse, N. Y.

Oils (Typewriter)

Mills, C. E., Oil Co., Syracuse, N. Y.
Morton Mfg. Co. ("Morton" Odorless), Louisville, Ky.
Sonneborn, L. Sons (Inc.) ("Amalia"), 262 Pearl, New York

Oils (Wood)

Anderson, Geo. & Co., 100 William, New York
Gillespie, L. C., & Sons, 8 Fletcher, New York
Klipstein, A. & Co., 122 Pearl, New York
Mills, C. E., Oil Co., Syracuse, N. Y.
Paterson, Boardman & Co., 10 Bridge, New York
Peabody, Henry W., & Co., 17 State, New York
Schmitz, C. & Co., 162 Greene, New York
Sonneborn, L. Sons (Inc.) ("Amalia"), 262 Pearl, New York

Old Metals

(See Scrap Iron & Steel)

Onyx Importers

BOCKMANN & SHEPARD, 1265-9 B'way, New York. (See adv. index, end of book)
Grace, Wm., 120 Front, New York
Jackson, C. D., 105th & E. R., New York
Tompkins-Kiel Marble Co., 505 5th av, New York

*Onyx (Opal)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

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Onyx Workers

Christa, Philip & Sons, 506 Lafayette, av, Detroit, Mich.
Empire City Marble Co., 250 11th av, New York
Fischer, Robert C. Co., E 129th & Locust av, New York
Lautz & Co., 861 Main, Buffalo, N. Y.
McGratty & Sons, 335 Butler, Brooklyn, N. Y.
Marblecrete Products Co. ("Marblecrete" Imitation), Akron, N. Y.
New Pedrara Mexican Onyx Co. (Workers & Producers), San Diego, Cal.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.

Openers (Box)

American Cutlery Co. (Steel Nickel-Plated Cigar Box, etc.), 193 Mather, Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Bonner, C. E. Mfg. Co. ("Victor" Drop Forged), Chrisman, Ill.
Duffy Mfg. Co., 125 Indiana, Chicago, Ill.
Herculever Co. ("Herculever" Packing Box), 106 Lafayette, New York
Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer), Sedalia, Mo.
National Selling Co. (Also Cigar Box), Allentown, Pa.
Storts, John & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B.," for Shoe Dealers, etc.), Chicago, Ill.

Openers (Cigar Box)

American Cutlery Co., 193 Mather, Chicago, Ill.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
National Selling Co., Allentown, Pa.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Storts, John & Son, 210 Vine, Phila., Pa.

Openers (Egg)

Taplin Mfg. Co. ("Champion"), New Britain, Conn.

Openers (Letter)

American Cutlery Co., 191 Mather, Chicago, Ill.
Benedict, M. S., Mfg. Co., East Syracuse, N. Y.
Celluloid Co., Newark, N. J.
Curtis, Albert B. ("Curtis"), Worcester, Mass.
Moosberg, Frank, Co., Attleboro, Mass.
National Cutlery Co. (Nickeled Steel), Westmoreland & Boudinot, Phila., Pa.
Tiley Pratt Co., Essex, Conn.
Wallace & Sons Mfg. Co., Wallingford, Conn.

Opera Chairs & Assembly Seating

Allen Chair Co., Concord Junction, Mass.
Allen-Totman Co., 90 Canal, Boston, Mass.
American Seating Co., 90 Wabash av., Chicago, Ill.
ANDREWS, A. H. CO., 174 Wabash av, Chicago, Ill. (See adv. index & branch offices, end of book)
Cincinnati Seating Co., Vine & 6th, Cincinnati, Ohio
Columbus School Desk Co., Columbus, Ga.
Fridman Seating Co., New Richmond, O.
Galpen, R. H., 114 5th av, New York
Grand Rapids Furniture Mfg. Co., Grand Rapids, Mich.
Moore Mfg. Co., Springfield, Mo.
Readsboro Chair Mfg. Co., Readsboro, Vt.
Spencer Desk Co., San Francisco, Cal.
Stafford, E. H., Mfg. Co., 248 Adams, Chicago, Ill.
Whitaker & Ray Co., San Francisco, Cal.

Ordinance (Light & Heavy)

Bethlehem Steel Co. (Of All Calibres), South Bethlehem, Pa.

Ore Concentration

Rittenhouse Gap Concentrating Co., Fullerton, Pa.

Ore Trestles & Tipples (Steel)

(See Tipples, Mine)

Ores (Antimony)

Beer, Sondheimer & Co., 42 B'way, New York
Hill, Edw., & Sons, 71 Pine, New York

Ores (Bauxite)

Harrison Bros. & Co., 35th & Grays Ferry Rd., Philadelphia, Pa.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Lennig, Chas., & Co., 112 S. Front, Phila, Pa.
Pennsylvania Salt Co., 115 Chestnut, Philadelphia, Pa.
Waeber & Lea Co., 118 Hudson, New York

Ores (Chrome)

Blair, Reed F. & Co., Frick bldg, Pittsburg, Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburg, Pa., & 1133 B'way, N. Y.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Tennant, C., Sons & Co., 76 William, New York

Ores (Copper)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Metal Co. (Ltd.), 52 Broadway, New York
Baltimore Copper Smelting & Rolling Co., Keyser Bldg., Baltimore, Md.
Beer, Sondheimer & Co., 42 B'way, New York
Mountain Copper Co., San Francisco, Cal.
Peyton Chemical Co., San Francisco, Cal.
Tottenville Copper Co., Tottenville, N. Y.
Vogelstein, L. & Co., 100 B'way, New York

*Ores (Garnet)

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

*Ores (Gold)

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Ores (Iron)

Beer, Sondheimer & Co., 42 B'way, New York
Corrigan, McKinney & Co., Perry-Payne bldg., Cleveland, O.
Carrigan, McKinney & Co., Perry-Payne bldg, Cleveland, O.
Lake Erie Ore Co., Rockefeller bldg, Cleveland, O.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Snyder, W. P., & Co. (Bessemer & Non-Bessemer), Frick Bldg., Pittsburg, Pa.
Tod-Stambaugh & Co. (Selling Agents), Perry-Payne bldg, Cleveland, O.
Youngstown Sheet & Tube Co., Youngstown, O

Ores (Lead)

Beer, Sondheimer & Co., 42 B'way, New York
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Selby Smelting & Lead Co., San Francisco, Cal.

Ores (Manganese)

Beer, Sondheimer & Co., 42 B'way, New York
Dana & Co., 32 B'way, New York.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Stanley's Creek Manganese & Iron Co. (Miners), Marion, Va.
Southern Manganese & Steel Co., Cave Spring, Ga., & Prudential bldg, Atlanta, Ga
Tennant, C., Sons & Co., 76 William, New York

*Ores (Silica)

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Ores (Vanadium)

American Vanadium Co., Pittsburg, Pa.

Ores (Zinc)

American Metal Co. (Ltd.), 52 B'way, New York
Beer, Sondheimer & Co., 42 B'way, New York
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Organ Motors

(See Motors, Organ)

Organs (Church)

Austin Organ Co., Hartford, Conn.
Bates & Culley, 706 Mercy, Philadelphia, Pa.
Beach & Freitag, Troy, N. Y.
Burlington Pipe Organ Co., Burlington, Iowa.
Estey Organ Co., Brattleboro, Vt.
Farrand Co., Detroit, Mich.
Felgemaker, A. B. Erie Organ Co., Erie, Pa.
Hall, H. & Co. (Pipe Organs), New Haven, Conn.
Hillgreen, Lane & Co., Alliance, O.
Howard, Emons, Westfield, Mass.
Hutchins-Votey Organ Co., Albany c Pacific, Cambridge, Mass.
Kimball, W. W. Co., Wabash av & Jackson boul, Chicago, Ill.
Niemann, H., 655 W Lombard, Baltimore, Md.
Odell, J. H. & C. S. & Co., 409 W 42d, New York
Schuelke, Wm. Organ Co., Milwaukee, Wis.
Stein, Adam, 668 W German, Baltimore, Md.
Viner & Son, 30 Lansing, Buffalo, N. Y.
Votey Organ Co., 362 5th av, New York
Werching Organ Co., Alliance, O.
Woodberry, Jesse & Co., 520 Harrison av, Boston, Mass.

Organs (Military Band)

Parker, C. W., Abilene, Kan.

*Ornamental Iron & Bronze Work (for Export)

STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

*Ornamental Radiator Screens

STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Ornaments (Cast Iron)

Bethlehem Foundry & Machine Co. (For Builders' Iron Work), Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)

Ornaments (Composition)

ARCHITECTURAL DECORATING CO., 643 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Beattie Mfg. Co., 2202 Pine, St. Louis, Mo.
Buehner, A. & Co., 220 N 2d, St. Louis, Mo.
DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
Dittgen & Rapp, Spencer av, Norwood, O.
Emmel, Chas. & Rose Co. (Papier Mache Compo Staff, Plaster, etc.), 383 Albany, Boston, Mass.
Forman Bros., 645 Gates av, Brooklyn, N. Y.
Gossert, Henry, 320 Harmony, Phila., Pa.
Harsha, L. R. Mfg. Co., Chicago, Ill.
Hartmann, Malcolm, Co., Chicago, Ill.
Jennens, W. Mfg. Co., Kansas City, Mo.
Lang, H. R. & Co., Fort Wayne, Ind.
Lombard, A. P. & Co., 99 Bristol, Boston, Mass.
McCune, Alex., 235 N 23d, Phila., Pa.
Meislahn, C. F. & Co., 19 Clay, Baltimore, Md.
Newcomb, F. J. Mfg. Co., 44 W 13th, New York
Parker, Wm., 324 7th av, New York
Plastic Relief Mfg. Co., 208 N Halsted, Chicago, Ill.
Raubold & Lambin, 19 N Ann, Chicago, Ill.
Rockford Ornament Co., Rockford, Ill.
Root, C. R., 104 Asylum, Hartford, Conn.
Rudolph, Oscar (Inc.), 32 E 22d, New York
Schneider, F. H., 120 Burnet, Syracuse, N. Y.
Schuelke, Wm. Organ Co., Milwaukee, Wis.
SEIFERT, FRANK A. PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Walter, G. E. Co., 157 E 44th, New York
White, Potter & Paige Mfg. Co., 415 Willoughby av, Brooklyn, N. Y.
White & Maslen, 627 12th, Detroit, Mich.

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Ornaments (Fence)

(See Rosettes & Pickets, Iron; also Rosettes & Pickets, Steel)

*Ornaments (Gable)

BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)

Ornaments (Harness)

Duranoid Mfg. Co. (Rings, Rosettes, etc.), Newark, N. J.

Ornaments (Plastic)

ARCHITECTURAL DECORATING CO., 643 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Bailey Co., 224 21st, Detroit, Mich.
Berger, H. Sons, 101 4th av, New York
Batkouskie, Martin F., Los Angeles, Cal.
Buehner, A. & Co., 220 N 2d, St. Louis, Mo.
DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
DePlanque, E. & Son, 341 N 4th, Phila., Pa.
Dini, Geo. L., 497 Atlantic av, Brooklyn, N. Y.
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Farley, Wm. E. & Bro., 3635 Market, Phila., Pa.
Forman Bros., 645 Gates av, Brooklyn, N. Y.
Hanisch, Ad (Stucco), Syracuse, N. Y.
Heath, Thos., 42 N 11th, Phila., Pa.
Klee, Thomson Co., 327 E 40th, New York
Knoche & Steves, 2101 Reading rd., Cincinnati, O.
Lang, H. R. & Co., Fort Wayne, Ind.
Marks, W. A. Plaster Ornamental Mfg. Co., 726 W 5th, Cincinnati, O.
Plastic Relief Mfg. Co., 298 N Halsted, Chicago, Ill.
Prior, Jas. V., 288 Wash'n, Newark, N. J.
Root, C. R., 104 Asylum, Hartford, Conn.
Schneider, F. H., 120 Burnet, Syracuse, N. Y.
SEIFERT, FRANK A. PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Trapp, John B., Peoria, Ill.
Walter, G. E. Co., 157 E 44th, New York
Wilhelm, Florintine Co., Madisonville, O.

*Ornaments (Pressed Steel)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Ornaments (Sheet Metal)

Broschart & Braum, 601 W 130th
EDWARDS MFG. CO. (Metal Boats), 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
Frand & Co., Camden, N. J.
FRIEDLEY-VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. index, end of book)
Gara, McGinley & Co., 23 S 17th, Phila., Pa.
Gerock Bros. Mfg. Co., 1252 Manchester av, St. Louis, Mo.
Hergert, Theo. E. (For Cornices, etc.), 422 E 53d, New York
JONES, THOS. W. (For Towers, etc.), 22 Burling sl, New York. (See adv. index, end of book)
Kelley, Wm. J., 448 Adelphi, Brooklyn, N. Y.
Michigan Hdw. Mfg. Co., Grand Rapids, Mich.
Miller & Doing, 83 Wash'n, Brooklyn, N. Y.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
Rulofson Metal Window Works, San Francisco, Cal.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Thoresen, Wm., 419 W. North, Chicago, Ill.
Thorn, J. S. Co., 20th & Allegheny av, Phila., Pa.
Twinco Stamping Works, Rome, N. Y.

*Ornaments (Steel)

BRAUN, J. G. (for Ornamental Iron Work), 322 S Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)

Ornaments (Transfer)

Meyercord Co. (Inc.) (Decalcomania), Chamber of Commerce, Chicago, Ill.
National Decalcomania Co., 250 N. 60th, Phila., Pa.
Palm Bros. & Co., 316 Main, Cincinnati, O.
Palm-Fechteler & Co., 67 5th av., New York
U. S. Decalcomania Co., 152 Lake, Chicago, Ill.

Ornaments (Wood)

Curtis Bros. & Co. (For the Trade Only), Clinton, Iowa
Curtis & Bartlett Co. (For the Trade Only), Lincoln, Neb
Foster-Munger Co. (For the Trade Only), W 20th & S Sagamon, Chicago
Gauger, Jno. A. & Co. (For the Trade Only), W 22d & Laflin, Chicago
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
Harris & Cole Bros. (For the Trade Only), Cedar Falls, Ia., & Columbia, Tenn.
Hyde-Murphy Co., Ridgway, Pa.
McMillen, R. Co. (For the Trade Only), Oshkosh, Wis
Morgan Co. (For the Trade Only), Oshkosh, Wis. & W 22d & S Union, Chicago
New York Carved Moulding Co., 130th & Rider av, New York
Ohio Scroll & Lbr. Co., Covington, Ky.
Paine Lumber Co. (For the Trade Only), Oshkosh, Wis.
Palmer, Fuller & Co. (For the Trade Only), 2244 Lumber, Chicago, Ill.
Pierce, W. E. & Co., Milford, N. H.
Roberts, E. L. & Co. (For the Trade Only), 22d & Union pl, Chicago, Ill.
Rowe, Henry Mfg. Co. (Rosettes, Carvings, etc.), Newaygo, Mich.
Spanjer Bros., Newark, N. J.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Waddell Mfg. Co. (Rosettes, Carved, Grilles, etc.), Grand Rapids, Mich.

Ornaments & Figures (Iron)

(See Fountains, Vases, Etc.)

*Oscillographs

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York (See adv. index & branch offices, end of book)

Outriggers (Arc Lamp)

Cutter, Geo. Co. ("Cutter's" Pulleyed, etc.), South Bend, Ind.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Oven Builders (Brick & Portable)

Albrecht, Francis J. (Brick, Inside Heating, also Continuous), 1146 Penn av., Pittsburg, Pa.
American Oven & Machine Co. ("Peel," Brick), 40 Dearborn, Chicago, Ill.
Bailey Oven Co. (Brick), Mansfield, O.
Barber & Turner (Brick & Portable), 429 N Orianna, Phila. Pa.
Blendinger, Fred'k A. (Brick), 824 O'Hara, Allegheny, Pa.
BLODGETT, G. S. CO. (Portable), Burlington, Vt. (See adv. index, end of book)
Bulirkop Oven Co. (Brick), New York city
Canfield, A. L. ("Monarch," Asbestos Lined. Portable), 97 Beekman, New York
Carroll, B. F. (Brick), Joliet, Ill.
Clad, V. & Sons, Inc. (Portable), 117 S 11th, Phila., Pa.
Duhrkop Oven Co. (Brick), Park Row bldg., New York
Dumbleton, Thos., & Son (Brick), 619 Carlton av., Brooklyn, N. Y.
Evans & Eichner ("Willey" Portable), 85 E. Lake, Chicago, Ill.
Fish, A. J. & Co. ("Valee" Rotary Brick), 35 S Franklin, Chicago, Ill.
Hall, S. L. & Co. (Brick), 156 E 18th, Chicago, Ill.
Hilcher, Chas. G. (Brick), 3839 State, Chicago, Ill.
Hilcher, Edw. P. (Brick), 192 Larrabee, Chicago, Ill.
Hubbard Portable Oven Co. (Portable), 114 Michigan, Chicago, & 260 W B'way, New York
Hydraulmatic Co. ("Stewart" Revolving Gas), 8 Lum, Newark, N. J.
Ils, John G. & Co., San Francisco, Cal.
Indiana Cracker Machine Co. (Portable), Chicago, Ill.
King, B. F., 342 E. 146th, New York
Kosicky, W. (Brick), Detroit, Mich.
McDowell Oven Co. (Portable), 234 State, Boston, Mass.
Middleby, Jos. (Portable), 204 State, Detroit, Mich.
Middleby Oven Mfg. Co. (Portable), 60 W Van Buren, Chicago, Ill.
Moon, Geo. R. (Portable), 561 Short av, Columbus, O.
Pearson, Harry (Portable), 60 Causway, Boston, Mass.
Petersen Oven Co. (Brick), 49 Wabash av.,
Reid Portable Oven Co. (Portable), 14 Palace Arcade, Buffalo, N. Y.
Roberts Portable Oven Co. (Reel & Rotary), 77 E. Erie, Chicago, Ill.
Roth, McMahon Co. (Pertable), Evanston, Chicago, Ill.
Schaller, Albert (Brick), Rochester, N. Y.
Schaller Patent Bake Oven Co. (Brick), Pike bldg, Cincinnati, O.
Schubert, Chas. A. (Brick), 501 E. 78th, New York
Simpkins, Alvin T. (Brick & Portable), 2731 Bacon, St. Louis, Mo.
Smith, Geo. F. (Reel & Rotary), 515 N. Wolfe, Baltimore, Md.
Varney Heating & Mfg. Co. ("Revolving Reel"), Leavenworth, Kansas
Vroom Bros., 59 Exchange, Lowell, Mass.
Watkins, James Y. & Son, 16 Catharine, New York
Weiner & Meuhs (Portable), Cleveland, O.
WERNER & PFLEDERER (Steam Pipe Draw Plates), Saginaw, Mich. (See adv. index, end of book)
Western Middleby Oven Co. (Portable), San Francisco, Cal.

Ovens (Bread)

BLODGETT, G. S., CO., Burlington, Vt. (See adv. index, end of book)
Sloan Mfg. Co. ("Sloan-Oven" for Biscuits, Cakes, etc.), Kansas City, Mo.
Troy Polished Steel Roaster Co. ("Troy" for Baking or Roasting), Troy, O.

Ovens (Core)

Best, W. N., American Calorific Co., 11 B'way, New York
BLODGETT, G. S. CO. (Portable, Galvanized Iron), Burlington, Vt. (See adv. index, end of book)
Brass Founders' Supply Co. (For Brass Fdrs.), Byram & Co., Detroit, Mich. Newark, N. J.
Calumet Engineering Works, Harvey, Ill.
Cullen-Atkinson Co. (Revolving), Hartford, Conn.
Dodge Mfg. Co. (Square & Rotary), Mishawaka, Ind.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
McCormack, J. S. Co., Pittsburg, Pa.
Millett Core Oven Co., Springfield, Mass.
OSBORN MFG. CO., 5401 Hamiltee av, N. E., Cleveland, O. (See adv. index end of book)
Paxson, J. W. Co., 1021 N. Del. av., Phila., Pa.
Roberts Portable Oven Co. ("Black Diamond"), 73 E. Erie, Chicago, Ill.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd., N. W., Cleveland, O. (See adv. index, end of book)
WHITING FOUNDRY & EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Ovens (Core Baking)

(See Ovens, Core)

Ovens (Electric)

Despatch Mfg. Co., Minneapolis, Minn
International Instrument Co., Cambridge, Mass

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Ovens (Enameling)

American Enamel Co., Providence, R. I.
BLODGETT, G. S., CO. (Portable Galvanized Iron), Burlington, Vt. (See adv. index end of book)
Cullen & Atkinson Co. (Inc.) (Gas or Gasoline), Hartford, Conn.
Evans & Eichner ("Enterprise"), 85 E. Lake, Chicago, Ill.
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)
Steiner, Emil E. (Heated by Gas), Newark, N. J.
Turner Brass Works (Galvanized Iron, Portable), Sycamore, Ill.
U. S. Gas Furnace Co. (Drying or Baking), 159 Aborn, Providence, R. I.
Van Dorn Iron W'ks Co. (Japan), Cleveland, O.
Wells, Fred K., Co., 18 Warren, New York
Westmacott Gas Furnace Co. (Drying or Baking), 159 Orange, Providence, R. I.

Ovens (Japanning or Baking)

BLODGETT, G. S., CO. (Portable, Galvanized Iron), Burlington, Vt. (See adv. index, end of book)
Honhorst, Joseph, Co., Cincinnati, O.
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)
Oven Equipment & Mfg. Co. (Sectional Ovens & Gas Burners), Stamford, Conn.
Steiner, Emil E., (Heated by Gas), Newark, N. J
Turner Brass Works, Sycamore, Ill.
U. S. Gas Furnace Co., 159 Aborn, Providence, R. I.
VAN DORN IRON WORKS CO. (Japanning), 2685 N 79th, Cleveland, O. (See adv. index, end of book)
Wells, Fred K. Co., 18 Warren, New York

Overhead Tracking

(See Trolley Tracks)

Oxide of Copper

Harshaw, Fuller & Goodwin Co., Cleveland, Ohio
Wiarda, Jno. C., & Co., Brooklyn, N. Y.

Oxide of Iron

AMERICAN STEEL & WIRE CO., Commercial National Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Harshaw, Fuller & Goodwin Co., Cleveland, Ohio
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Smith, J. Lee, & Co., 59 Frankfort, New York
Western Oxide & Specialty Co. ("Western" for Gas Purification), 21st & Jefferson, Chicago, Ill.
Wetherill, S. P., Co. (Pure), 925 Chestnut, Phila., Pa.
Wiarda, Jno. C., & Co., Brooklyn, N. Y.

Oxide of Lead

Davis Lead Co., Park Bldg., Pittsburg, Pa.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Harrison Bros. & Co., 35th & Gray's Ferry rd, Philadelphia, Pa.
National Lead Co. (For Glass, Rubber, Color & Varnish Makers, etc.), 100 William, New York

Oxide of Manganese

Harshaw, Fuller & Goodwin Co., Cleveland, Ohio
Metallic Alloys Co., 32 Cortlandt, New York
Riebe, Edgar C., & Co. ("Thuringian" Varnish & Oil Dryer), 97 Warren, New York
Western Foundry Supply Co., 30 Church, New York

Oxide of Zinc

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index end of book)
Gabriel & Schall ("Anchor Brand"), 205 Pearl, New York
Hanna & Andrus Mfg. Co., Chicago, Ill.
Harshaw, Fuller & Goodwin Co., Cleveland, Ohio
Mallinckrodt Chemical Works, St. Louis, Mo.
Mineral Point Zinc Co., 204 Dearborn, Chicago, Ill. Works, Mineral Point, Wis.
New Jersey Zinc Co., 55 Wall, New York
Siemon & Elting, 194 Front, New York
Smith, J. Lee, & Co., 59 Frankfort, New York
Wetherill, S. P., Co., 925 Chestnut, Phila., Pa.
Wiarda, Jno. C., & Co., Brooklyn, N. Y.

Oxide (Tin)

Harshaw, Fuller & Goodwin Co., Cleveland, Ohio
Johnston & Jennings Co., Cleveland, O.

Oxides (Green Chrome)

Siegle, G., Co. (Heat, Alkali & Acid Proof), 79 Duane, New York

Oxymur

Cochrane Chemical Co., Boston, Mass.

Packers (Cement)

(See Packing Machines in Machinery)

Packers (Flour, Bran & Feed)

(See Packing Machines; also Bagging Machines)

Packers (Oil Well)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Dresser, S. R., Bradford, Pa.
McElwaine Co., Bradford, Pa.
Masseth Packer & Machine Works ("Masseth's"), Butler, Pa.
Morgan & Wright (Inc.), (Rubber), Detroit, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Packers (Shingle)

DeLoach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works, Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Mitts & Merrill, Saginaw, Mich.
Trevor Mfg. Co., Lockport, N. Y.

Packing (Asbestos)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetzert"), 532 E 149th, New York. (See adv. index, end of book)
Boonton Rubber Co. (Hard Rubber & Asbestos Rings), Boonton, N. J.
Clinton Mfg. Co., 83 Grand av. Brooklyn, N. Y.
Crandall Packing Co., Palmyra, N. Y.
Ehret Magnesia Mfg. Co., Phila., Pa.
Federal Asbestos Mfg. Co. (Plain Braided, Wound Cloth & Sheet), Alliance, O.
Johns, H. W.-Manville Co. ("Kearsarge," "Asbestos Metallic Sheet"). 100 William, New York
Mercer Rubber Co. ("Sayen-Reed"), Hamilton Square, N. J.
New York Asbestos Mfg. Co., 80 John, New York
STRONG MACHINERY & SUPPLY CO. ("Strong's" Tissafine & Grapho Asbestos Valve & Piston & Sheet), 48 Franklin, New York. (See adv. index, end of book)
United States Asbestos Co. ("Usaco," "Carbuline"), Manheim, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)
Wing, J. T. & Co., 19 Woodward av, Detroit, Mich.

Packing Box Mfrs.

CALIFORNIA.

SAN FRANCISCO—California Pine Box & Lumber Co., Rialto bldg
Columbus Box Factory, Beach nr Mason
Mercantile Box Co.
National Box Factory
Pacific Box Factory
Standard Box Co.

COLORADO.

DENVER—Denver Crate & Box Co.
Hallack & Howard Lumber Co.

CONNECTICUT.

BRIDGEPORT—Hoffman, H. C. & Co.
HARTFORD—Rockwell, John W.
NEW HAVEN—Brett, Edward P.
Hubbell & Merwin Co.
McLean, Andrew
Sperry & Amos Co.

Every Article in this Oven Baked Exactly Alike, Top, Sides, Bottom.



This Patent Portable Cabinet **OVEN** Bakes by a New Process of Hot Air Circulation

For Bakers, Confectioners, Hotels, Restaurants, Sanitariums, Enameling, Japanning, Core Baking.

Burn Coal, Wood or Gas

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Chicago Packing Box Co., of Illinois, 350 N Sangamon
Goodwillie Bros. (also Wausau, Wis.), 171 Lasalle
Goodwillie, D. M. Co., W 22d & Centre av
Illinois Packing Case Co., 723 Carroll av
Maxwell Bros. Co., Loomis c W 21st
Paepcke-Leicht Lumber Co., W Chicago av & N Sangamon
Rathborne, Hair & Ridgway Co., Union & Lumber
Soper Box Co., 838 Loomis, c W 22d.
Tegtmeyer, Charles W., 759 S Canal
SPRINGFIELD—Abbott Bros.

INDIANA.

INDIANAPOLIS—Ballweg & Co.
Dietz, Fred Co.

IOWA.

BURLINGTON—Third Street Box Co.
CLINTON—Smith, F. & Son
KEOKUK—Carter, S. C. & S. Co.

KENTUCKY.

COVINGTON—Acme Box & Shook Co.
LOUISVILLE—Bell & Coggeshall Co.
Mengel Box Co.
Tyler Box Co.
MAYFIELD—Mayfield Planing Co.

LOUISIANA.

NEW ORLEANS—Alcus, S. T. & Co. (Ltd.)
Bates-Hussy Box Co. (Ltd.)
Central Mfg. & Lumber Co.
Fleurichant, Emile L.
Hasam Box & Planing Mill
Pelican Shingle Co.

MAINE.

AUBURN—Conant, F. B. & Co.
Hutchins, H. Wesley Co.
BANGOR—Walker, James Co.
BIDDEFORD—Deering-Proctor Box Co.
BREWER—Smith Planing Mill Co.
BRIGHTON—Brighton Mfg. Co.
CHERRYFIELD—Wilson, E. K. (Est. of)
GARDINER—Glidden Bros. Box Co.
PORTLAND—Brackett, J. L. & Co.

MARYLAND.

BALTIMORE—Becker Bro. & Son, Lexington
Canton Box Co., 2515 Boston & Fkd.
Dorsey, William Co., Highland av. & Phila. rd.
Dreyer, H. D. & Co., Concord & Lombard
Duker, J. H. Box Co., Aliceanna, cor.
Fortenbaugh, Charles, 636 W Pratt Eden
Louis, Henry D.
Radecke, H. F. & Sons, 177 W Cross
Rittler Box Co. (Inc.), 621 S Caroline
Schmuck, Fresaman & Co., 1816 Lancaster
Thiemeyer, J. H. Co. (Inc.), 901 S Caroline
Wheatfield, Jacob, 517 W German
HURLOCK—Thompson, G. A., & Son.

MASSACHUSETTS.

ACUSHNET—Acushnet Saw Mill Co.
AMHERST—Angus, Nelson E.
ANDOVER—Hardy & Cole
BEVERLY—Copp, A. W. & Co.
Frost Box Co.
BOSTON—Booth, J. R., 88 Broad
Le Baron, S. T., 135 Border, E. B.
Manwell, F. P. & Co., 190 A
Snow, Abbott L., 406 Border, E B.
BROCKTON—Bonney, E. L.
Woodbridge, F. L.
CAMBRIDGE—Page, Geo. G. Box Co.
CHELSEA—Atwood & McManus
Parsons Mfg. Co.
DANVERS—Derry, Fred J.
ENFIELD—Woods, C. D.
FALL RIVER—Lunan, E. S. & Co.
Varney, Isaac & Sons Co.
FITCHBURG—Cook, Ornan S.
Priest, C. A. Lumber Co.
FOXBORO—Fond, Virgil S. & Co.
GEORGETOWN—Hardy, W. C.
GLOUCESTER—Merchant Box & Cooperage Co.
Perkins, Geo. & Son
GREENFIELD—New England Box Co.
HAVERHILL—Haverhill Box Co.
Hayes, C. H. Corporation
Island Park Box Co.
Owens, John & Co.
Tapley, I. W.
HOLYOKE—Merrick Lumber Co.
HUDSON—Tripp, N. G.
LAWRENCE—Pingree, D. W. Co.
LOWELL—Allen, Otis & Son
Cady, Geo. L. & Sons
Cheney, Frank P.
Cummings, F. G.
Davis & Sargent Lumber Co.
Greenfield Box Co.
Thompson, James A.
MALDEN—Vaughan, S. E.
MEDWAY—Medway Box Co.
MIDDLEBORO—Clark & Cole Co.
NATICK—Natick Box Co.
NORTH ADAMS—Dibble, S. B. Lumber Co.
NORTON—Sweet, A. H. & Son
PETERSHAM—Carter, J. A.
READING—Symonds, O. P. & Sons
ROCKLAND—Studley, Gideon
SALEM—Irving, W. A.
SOUTHBRIDGE—Clemence, J. M. & L. D.
Ide Lumber Co.
SPRINGFIELD—West, F. M. Box Co.
WEST BOYLSTON—Lowe, Harry E.
WHITMAN—Slack, Chas. P.
WILLIAMSBURG—Bradford, G. M.
WORCESTER—Baker Box Co.
Williams & Bridges Co.

MICHIGAN.

BAY CITY—Bay City Box & Lumber Co.
Bindner, J. F. Box Co.
Bradley, Miller & Co.
Handy Bros., Station A.
Vance, E. J. Box Co.
DETROIT—Backus, A., Jr., & Sons
Beyster, John
Grigg, Hanna Co.
Restrick, Chas. W. Lumber Co.
Weber, J. F. & Co.
GRAND RAPIDS—Dupree, John & Co.
Fuller & Rice Lumber & Mfg. Co. (Inc.)
MARQUETTE—Read, F. W. & Co.
MENOMINEE—Crawford Mfg. Co.
Fisher & Hutchenson Co.
Peninsular Box & Lumber Co.
SAGINAW—Mershon, Eddy, Parker Co.

MINNESOTA.

DULUTH—Duluth Box Mfg. Co.
Petruschke Box & Lumber Co.
Wallinder, E. G.
MINNEAPOLIS—Bolton Lath & Shingle Machinery Co.
Coffin's Box & Lumber Co.
Smith, C. A. Lumber Co.
ST. PAUL—Minnesota Box Co.
Osgood & Blodgett Mfg. Co.
Villaume Box & Lumber Co.

MISSOURI.

KANSAS CITY—Chapman & Dewey Lumber Co.
Forrester-Nace Box Co.
Inman Box Co.
United Box Mfg. Co.
ST. LOUIS—Alt Box Mfg. Co., 305 N Main
Columbia Box Co., 19th & N Market
Excelsior Box & Mfg. Co., 2805 N 12th
Fehlig Bros. Box Mfg. Co., 1909 Wash'n
Gaus, Henry & Sons Mfg. Co., 2100 N Main
Goessling, Wm. F. Box Co., Blair av & Mullanphy
Heibel, P. & Sons Co., 1505 S 2d
Loy-Lange Box & Lumber Co., 2106 S 3rd
Mengel Box Co., Folsom av & Lawrence
Mound City Box Factory, 1060 Old Manchester rd
Olcott, Chas. A. Planing Mill Co., 3300 N B'way
Phoenix Planing Mill Co., 12th & Spruce
Poorman, H. B. Box Mfg. Co., 10th, cor. Howard
Sheridan & Sons, James, 1414 Sarsfield pl.
St. Louis Box Factory, 721 S 2d
Woods & Down Box Co., Mullapay & 12th

NEVADA.

RENO—Nevada Planing Mill Co.

NEW HAMPSHIRE.

EAST JAFFREY—Stalton, C. L.
KEENE—Fowler, H. J.
Norwood, Chas. M. & Son
Reed, J. Mason (Est. of)
LISBON—Parker & Young Co.
MANCHESTER—Fellows & Son
Hodge, Jeremiah
Smith Box & Lumber Co.
West Side Lumber Co.
MILFORD—Peirce, W. E. & Co.
NASHUA—American Box & Lumber Co.
STATE LINE—Lamon, Walter S.

NEW JERSEY.

CAMDEN—Coles, C. B. & Sons Co.
JERSEY CITY—Dodge & Bliss Co.
Vanderbeek & Sons
NEWARK—Doolittle, Henry N.
Neary, J. J. Box & Lumber Co.
Ripley, David & Sons Lumber & Timber Co.
Zipfel, John, Jr.
TRENTON—Armstrong, Hugh (Est. of)

NEW YORK.

ALBANY—Draper, Henry W.
Romeyn, T. F. Co.
Valentine, W. T. & Son
BUFFALO—Buffalo Box Factory, 365 Babcock
Elias, G. & Bro., 665 Elk
Glasstone Co., 110 Seneca
MacLean Box Factory, Louisiana & Sandusky
Montgomery Bros. & Co., Court c Wilkeson
Niagara Box Co., 826 S Division
Zeis, M. & Sons, 200 Cherry

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Eckert, John A., 54 Hopkins
Goodman & Gavin, 351 Metropolitan av
Haws, William, 154 9th av
Reeves, George H., 290 Greene
Smith, E. C., 420 Oakland

Boroughs of Manhattan & Bronx.

NEW YORK—Abbey, Frank R., 684 1st av.
Appell, Aaron, 227 Mercer
Armstrong, Eliza J., 87 White
Bleg & Mayer, 6 Gold
Burdick, I. N., 138 Wooster
Buse, Fred'k, 1110 1st av
Carroll Box & Lumber Co., 629 E 18th
Doernberg & Goodman, 737 E 9th
Dunbar Box & Lumber Co., 282 11th av
Dunbar, John, 124 Worth
Dunning Varney Co., 99 Warren
Eckert, John A., 314 Pearl
Epstein & Vollweiler, 814 5th
Fagan, James & Son, 204 W Houston
Finkelstein Packing Box Co., 118 Bleecker
Fitzgerald, James H., 8 W 13th
Gerow, Emma, 251 W 27th
Gilmour & Korn, 23 Bond
Gottlieb, M. & Sons, 20 Clarke
Green, A. H. Co., 97 Warren
Greenfield Box Co., 21 Gold
Gunshor, G., 37 Thompson
Hill, Frank J., 5 Beekman
Kidney, George, 7 Walker
Lauterstein, Sarah, 222 Wooster
Lavelle, Peter J., 224 Mulberry
Manhattan Box Co., 737 E 9th
Manhattan Packing Case Co., 133 Crosby
Merrall, F. R. & Co., 505 E 18th
Mitchell & Moffett, 54 Crosby
Moore C., 3 Wooster
Neely, John & Son, 741 E 9th
New England Box Co., 90 W B'way
O'Brien & Mosher, 223 Greene
Patterson, Thos. G., 637 W 55th
Prato, Paul, Jr., 178 Wooster
Qua, James, 357 W. B'way
Riley, Mary E., 384 Pearl
Rosenthal & Cohen, 53 Great Jones
Ross, Benj. F., 8 Bond
Ryan, J. M., 541 W. Bway.
Ryan, Martin, 132 Mercer
Ryan, P., 109 Reade
Schutz Bros., 71 W B'way
South Side Mfg. Co., 114 Warren
Todd, Thomas, 315 E 22d

(End of New York City)

ROCHESTER—Newberry, C. K.
Newberry, C. K.
Rochester Box & Lumber Co.
SYRACUSE—Lyons, John H.
Merriam Mfg. Co.
Piquet Box & Lumber Co.

OHIO.

CINCINNATI—Aman & Sandman, 21 W Mc Micken av
Beck Walter G., Western av., C. H. & D. Ry

Conklin, E. A. Box Co., 2001 Reading rd.
Kenker, Fred, Sr., 3904 North Bend rd.
McWilliams & Schulte, McLean av & Richmond
Queen City Box Co., Flint & Wade
Tyler, H. A. & Co., 1041 Evans
Unnewehr, Frank & Co., 7th & Culvert
Wildberg Box Co., 9th & Eggleston av

CLEVELAND—American Box Co., 1932 W 3d, N W
Cleveland Box Co., cor. Stone's Levee & Ohio sts
Dunn, James Box Co., 1949 W 3d, S W
Forest City Box Co.,815 Central Av, S W
Hahn, J. N. Co., Cuyahoga c W 4th, S W
National Box Co., 257 Jefferson av
Saginaw Bay Box Co., 1897 W 3d, S W
Valley Box Co., W 4th, nr, Stone's Levee, S W
Wiggins, Fred B., 1826 Columbus rd, N W

COLUMBUS—Fletcher, B. C.
Rood Lumber Co.

DAYTON—Gondert & Lienesch

TOLEDO—Phoenix Box Factory
Western Manufacturing Co.
Wilson, George & Sons Co.

OREGON.

PORTLAND—Multnomah Lumber & Box Co.
Standard Box & Lumber Co.

PENNSYLVANIA.

ALLEGHENY—Duquesne Box & Lumber Co., Market c Bayard
M'Clure, Alexander Box Co., 903 Beaver av

CHESTER—Hamilton, James M.

PHILADELPHIA—Atkinson, Margaret D., 4314 Josephine, F'k'd
Carnwarth, Bell & Co., 613 Cherry
Carver, E. S. & Son, 2663 Cadwaader
Datz, Chas. F., 482 N 5th
Douglass, Edwin D., 437 N 5th
Foley, John J., 1938 Morris
Galbraith, John (Est. of), 619 Commerce
Gould, Wm. G., 2924 Rorer
Jones, Samuel & Sons, 2230 Hamilton
Kees, Wm. J., 113 N Orianna
Keystone Box Mfg. Co., 223 Wood
Kugler, Geo. W. & Sons, 918 N Front
Lamont, Andrew, 1931 S Chadwick
McCauley, J. & W., 636 Filbert
Martin, John, 1432 N 6th
Meisle, G. & Bro., 217 New
Mench, S. B. & Co., 2031 E Fletcher
Meyer, William, 206 Quarry
Nichols, Clayton W., 918 Beach
Orr, Wm. L., 1613 S 19th
Pearson, Jos. T., 1825 E Boston
Philadelphia Packing Box Co., 2634 N American
Provident Lumber Co., Water c Dickinson
Quaker City Packing Box Co., 701 E Girard av
Rice, T. B. & Sons Co., Mifflin st wharf
Ritner, F. B. & Co., 2712 N 2d
Schweitzer, Joseph & Sons, 915 E Montgomery av.
Shoemaker's, J. B. Sons, Clearfield & Front
Tait, Andrew Box Co., 1740 Ludlow
Treen Box Co. (Inc.), Tioga & Memphis
Wilson, Andrew, Wilde c Kram's av, M'y'k

PITTSBURG—Anchor Box Factory, 378 Woodville av.
Keystone Box Co., 19 Miller
Kress, F. J. Box Co., 2020 Liberty av

READING—Deysher, Abner S.

RHODE ISLAND.

PASCOAG—Lapham, Myron D.

PAWTUCKET—Polsey, J. N. & Co.

PROVIDENCE—Presbrey, A. A. & Son Co.
Providence Box & Lumber Co.
Talbot Bros. Co.
Sweet, A. H. & Sons

VERMONT.

BENNINGTON—Bingham, J. B.
Evans, L. N. & Co.

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Robinson-Edwards Lumber Co.

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RICHMOND—Richmond Lumber Co.

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WASHINGTON.

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Queen City Lumber Co.
Stetson & Post Mill Co.
Warren, Alfred

SPOKANE—Musser, Wm., Lumber & Mfg. Co.

TACOMA—Pacific Box Co.

WISCONSIN.

ASHLAND—Lake Superior Lumber & Box Co.

CATO—Killen, W. N.

EAU CLAIRE—Linderman Box & Veneer Co.

FOND DU LAC—Bates, C. E.

GRAND RAPIDS—Badger Box & Lumber Co.

GREEN BAY—Green Bay Box & Lumber Co.
Murphy Box Co.

HAZELHURST—Yawkey-Bissell Lumber Co.

JANESVILLE—Magee Bros.

MANITOWOC—Drost H. Box Mfg. Co.
Schnorr Bros. Co.

MARINETTE—Marinette & Menominee Box Co.
Marinette & Menominee Box Co. Co.

MILWAUKEE—Beck, C. A. & Son, Sixth & Hays, George, 228 5th East
Kleckhefer Box Co., Canal & 16th St. via-duct
Mueller & Son Co., 445 Canal
National Box Co., 534 American av

OCONTO—Oconto Company

SHEBOYGAN—Sheboygan Binding & Box Co.

WASHBURN—Kenfield & Lamoureaux

WATERLOO—Neupert & Budwig

WAUKESHA—Waukesha Mfg. Co.

WAUSAU—Goodwillie Bros.
Wausau Box & Lumber Co.
Wisconsin Box Co.

*Packing (Cement)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetze Cement." Fire & Water, for All Purposes), 532 E 149th. New York. (See adv. index, end of book)

SMOOTH-ON MFG. CO. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J. (See adv. index, end of book)

Packing (Flax)

Clinton Mfg. Co. ("Clinton" Square Flax), 83 Grand av, Brooklyn, N. Y.

Crandall Packing Co., Palmyra, N. Y.

Goodsell Packing Co., 23 S Canal, Chicago, Ill.

SAYEN, OSGOOD, Arcade bldg., Phila., Pa. (See adv. index, end of book)

STRONG MACHINERY & SUPPLY CO. ("Strong's Best" Rivalate), 48 Franklin, New York. (See adv. index, end of book)

TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la., New York. (See adv. index, end of book)

Tupper, F. W. ("Tupper" Square), 49 Vesey, New York

Wing, J. T. & Co., 19 Woodward av, Detroit, Mich.

Packing (Hard Fibre)

(See Fibre, Hard)

Packing (Hemp)

Hooven & Allison Co., Xenia, O.

Jacobs Cordage Co., Cincinnati, O.

Overman & Schrader Cordage Co., Covington, Ky.

SAYEN, OSGOOD, Arcade bldg., Phila., Pa. (See adv. index, end of book)

TUCKER & CARTER ROPE CO. (Twisted), 76 South & 167 Maiden la., New York. (See adv. index, end of book)

Packing (Hydraulic)

Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.

Clinton Mfg. Co. (Waterproof), 83 Grand av, Brooklyn, N. Y.

Metallic Packing & Mfg. Co., Elyria, O.

Morgan & Wright (Inc.) ("Cadillac" White Seal Core, etc), Detroit, Mich.

National Rawhide & Belting Co. (Rawhide), Niles, Mich.

QURIDE CO. ("Quride"), Syracuse, N. Y. (See adv. index, end of book)

SAYEN, OSGOOD, Arcade bldg., Phila., Pa. (See adv. index, end of book)

Schlichter Jute Cordage Co. (Jute Sail Wrapping, Tobacco, etc.), 20 N. Front, Phila., Pa.

Steel Mill Packing Co., Detroit, Mich.

STRONG MACHINERY & SUPPLY CO. ("Strong's" Aquaproof), 48 Franklin, New York. (See adv. index, end of book)

Walker, Chas. W. (Leather), Newark, N. J.

Western Rawhide & Belting Co. (Rawhide), Milwaukee, Wis.

Wilpaco Packing Co. ("Wilpaco"), 114 Liberty, New York

Wing, J. T. & Co., 19 Woodward av, Detroit, Mich.

Packing (Jute)

American Mfg. Co., 68 Wall, New York

Bailey, John T. & Co., c Water & Tasker, Phila., Pa.

Columbian Cordage Co., Auburn, N. Y.

Jacobs Cordage Co. (Hemp), Harriet & Budd, Cincinnati, O.

Overman & Schrader Cordage Co., Covington, Ky.

Schlichter Jute Cordage Co., 20 N. Front, Phila., Pa.

STRONG MACHINERY & SUPPLY CO. ("Strong's" Round Twist Jute, 48 Franklin, New York. (See adv. index, end of book)

Winnie, F. W. & Son (Tarred & Untarred), 237 Market, Phila., Pa.

Packing (Leather)

Auburn Auto Pump Co. ("Cup"), Auburn, N. Y.

Chicago Raw Hide Mfg. Co. ("Krome"), 75 E. Ohio, Chicago, Ill.

Detroit Leather Specialty Co. ("Wear Well," Hydraulic Leather), Detroit, Mich.

Graton & Knight Mfg. Co. (Flat), Worcester, Mass.

Houghton, E. F. & Co. (Hydraulic "Vici"), 240 W. Somerset, Phila., Pa.

Providence Belting Co. ("U" & Leather Hydraulic Packing), Providence, R. I.

Robertson, Jno. & Co. (Hydraulic), 127 Water, Brooklyn, N. Y.

Schieren, Chas. A., & Co., 30 Ferry, New York

Standard Leather Packing Co., 141 Milk, Boston, Mass.

STRONG MACHINERY & SUPPLY CO. ("Strong's"), 48 Franklin, New York. (See adv. index, end of book)

Union Elevator & Machine Co. ("Union" Long Life, 144 Ontario, Chicago, Ill.

Packing Mfrs.

(See also Belting & Belt Appliances; also Cotton & Wool Waste; also Mill & Factory Supplies; also Mineral Wool; also Pipe & Boiler Coverings, various kinds; also Steam Fitters' Supplies, Jobbers)

ALABAMA.

MOBILE—American Supply Co. ("Asco")

BOSTON BELTING CO. (Turner Supply Co., Rep.), 23 S. Commerce. (See adv. index, end of book)

CALIFORNIA.

LOS ANGELES—BOSTON BELTING CO. (Warren & Bailey Mfg. Co., Rep.), 359 N. Main. (See adv. index, end of book)

SAN FRANCISCO—Barton, Squires, Byrne, Inc. ("Comet," Ring & Spiral, "Thistle," Oil Packing & "Vesuvius" High Pressure "B. B.")

BOSTON BELTING CO. (Simmonds Mfg. Co., 12 & 14 Watoma, Rep.), (See adv. index, end of book)

Bowers Rubber Works ("Dodds," "Victor," "Sunset," "Seal Rock," "Bay City," "Plumbesto," "Native," "Red Sunset," "Guardian," "Golden Gate," "Seal Rock," "Reliance")

Cook, H. N. Belting Co. ("Palmetto" Twist, all Asbestos)

Gorham Rubber Co. (Rubber)

CONNECTICUT.

BRIDGEPORT—Bridgeport Metallic Packing Co. ("Law" Metallic)

HARTFORD—Hartford Rubber Works Co. ("Sunrise" Rubber)

JOHNS-PRATT CO., THE ("Vulcabeston" Round or Flat, for Steam, Water, Gas & Acids)

NIANTIC—Libby Valve & Packing Co. ("Libby's X. L.," "U. N. O." & "Velvet")

GEORGIA.

ATLANTA—BOSTON BELTING CO. (Southern Belting Co., Rep.), 40 S. Forsyth. (See adv. index, end of book)

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ILLINOIS.

AURORA—Aurora Metal Co. (Metallic) Udstad, S. (Elastic)

CHICAGO—Adkins, Young & Allen Co. ("A. Y. A."), 50 S. Canal

Advance Packing & Supply Co. ("Mico" Square Flax Frictionless, Steam & Waterproof, "Trio," "Bestallic," "Durability," "High Pressure"), 123 Franklin

Allen, W. D. Mfg. Co. ("The Arrow"), 151 Lake

BOSTON BELTING CO. (Jewel Belting Co., Rep.), 175 Lake. (See adv. index, end of book)

CARPENTER, GEO. B. & CO. (Jobbers for "Peerless," "Rainbow" & "Eclipse"), 202 S Water. (See adv. index, end of book)

Casseo Bar-Metallic Packing Co. (Metallic), 140 Dearborn

Chicago Bailey Co. ("Chief's Own," Metallic), 260 Clark

Chicago Engineer Supply Co. ("Salamander," "Boyleston," "Graphobesto"), 112 Lake

Chicago Fire-Proof Covering Co. (Steam), 171 Randolph

Chicago Rawhide Mfg. Co. ("Mabbe" Rawhide Hydraulic), 75 E Ohio

Continental Rubber Works (Of Erie, Pa.) ("Continental," "Tribune," "Liberty"), 204 Dearborn

CRANE CO. ("Klingerit"), 519 S Canal. (See adv. index & branch offices, end of book)

Goodsell Packing Co. ("Metal-Boston," "Dollar," "New Century" & "Sleeve"), 23 S Canal

High Speed (Metallic Packing Co.) (Metallic), 40 Michigan av

Jerome & Elliott ("Jerome." Metallic Valve Stem Piston Rod), 351 W Monroe

Mabbs Hydraulic Packing Co. ("Mabbe" Rawhide), Board of Trade Bldg

Mechanical Rubber Co. (Rubber), 230 Milford Rubber Works Randolph

PENNSYLVANIA RUBBER Works, 1241 Michigan av. (See adv. index, end of book)

Phoenix Lubricator Co. (Metallic), 7 S Jefferson

Ryerson, Jos. T. & Son ("Regal" Metallic), 16th & Rockwell

Swain Lubricator Co. (Metallic, Piston, Valve Stem, etc.), Lake & S Water, Chicago, Ill.

WATSON, H. F. CO. (of Erie, Pa.) (Asbestos Braided, Piston Rod, Core Wicks, etc.), 12 S Clinton. (See adv. index, end of book)

Wilcox, E. A. Mfg. Co. (Stop Valve Steam), 260 E 63d

Western Packing & Supply Co. ("W. P. S." & "Casco" Metallic), 253 La Salle

MILFORD—Milford Rubber Works (Rubber)

INDIANA.

GOSHEN—Western Rubber Co. (Rubber Sheet)

INDIANAPOLIS—BOSTON BELTING CO. (Taylor Belting Co., Rep.), 247 S Meridian. (See adv. index, end of book)

Pioneer Brass Works ("Deeds" Metallic), 424 S Penn

NEW ALBANY—Bowman, D. F. (Railroad)

KENTUCKY.

COVINGTON—Overman & Schrader Cordage Co. (Hemp, Jute, for Water Mains, etc.)

LEXINGTON—American Metallic Packing Co. (Metallic)

LOUISVILLE—BOSTON BELTING CO. (W. & A. C. Semple, Rep.), 311 W Main. (See adv. index, end of book)

Cook, Lee C. Mfg. Co. (Metallic)

LOUISIANA.

NEW ORLEANS—BOSTON BELTING CO. (Southern Belting Co., of New Orleans, Rep.), 718-720 Union. (See adv. index, end of book)

MAINE.

BANGOR—BOSTON BELTING CO. (M. Schwartz & Sons, Rep.) (See adv. index, end of book)

PORTLAND—Clark Flexible Metallic Packing Co., 71 Kennebec

MARYLAND.

BALTIMORE—BOSTON BELTING CO. (Carey Machinery & Supply Co., Rep.), 119 E Lombard. (See adv. index, end of book)

MASSACHUSETTS.

BOSTON—American Steam Packing Co. ("20th Century," "Diamond," "Smoky City" & "Favorite"), 51 High

Anderson, G. P. (Engine & Pump), 163 Oliver

Beetseking Packing & Supply Co. (Valve Stem Asbestos), 170 Summer

BOSTON BELTING CO. (Rubber, "Forsyth" Combination, Ammonia, Plumbago, "Phoenix Red," Piston, Spiral Piston, "Noxall" Ring, etc.), 200 Devonshire. (See adv. index, end of book)

Boston Woven Hose & Rubber Co. (of Cambridgeport, Mass.), "Leader Tucks," "Red Gauntlet" & "Tiger"), 170 Summer

Chesterton, A. W. & Co. ("Metallbestos," "Labrobestos," "Vaperited," "Rubberbestos" "Redbestos," "Metal Asbestos," "Sunset," "Pressure Proof," "Expansion," "Atlantic," "Combination," "High Pressure," "Live Steam," "Carson") 64 India

Curry Oil & Supply Co. ("Superba," "Mica Para," "Mica Asbestos"), 284 Franklin

Eagle Oil & Supply Co. ("Eagleine," Ring Square Flax, Hydraulic, etc.), 104 Broad

Federal Metallic Packing Co. ("Standard," Flexible Metallic Fibred Compound for Ammonia, Air, Steam, Truck Boxes, etc.), 137 High

Fitts, F. E. Mfg. & Supply Co., 88 Purchase

Gardner & Carey ("St. John" Cylinder), 53 Broad

Greenwood Mfg. & Supply Co. ("Greenwood." "Mica-Asbestos," Red & Piston, etc., & "Mica Para," Sheet; "Ring & Spiral;" also Gum Core & Square Flax & Crescent Red Sheet), 147 Milk

Hart Packing Co. ("Hart" Heat Proof) 145 High

Ireson, C. L. ("Blue Blood"), 221 High

Knowlton, Geo. W. Rubber Co. ("Brossite." "Fraser," "G. W. K.," "Hub," "Knowlton," "Manila," "Braesite"), 88 Broad

Merrill, W. B. & Co. ("Tripp" Metallic), 74 India

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Mitchell, Geo. E. (Metallic Rod), 92 State
Revere Rubber Co. ("Usudurian," "Red Crescent," "Black Hawk," "Samson," "Shawmut," "Beacon," "Giant," "Revere," "Black Cross," "Four Ace," "Harlem," "Hi-Heat"), 77 Bedford
SILVER LAKE CO. (Braided, "Miller's Soapstone"), 78 Chauncey. (See adv. index, end of book)
Trainer, C. W. Mfg. Co. (Asbestos Metallic), 89 Pearl
Tripp Metallic Packing Co. (Metallic), 74 Walworth
Mfg. Co., 182 Federal
India
WATSON, H. F. CO. (of Erie, Pa.) (Asbestos Braided, Piston Rod, Core Wicks, etc.), 79 Milk. (See adv. index, end of book)
CAMBRIDGE—Boston Woven Hose & Rubber
Gould Packing Co. (Ring, etc.)
Co.
WORCESTER—Vellumoid Paper Co. ("Vellumoid" Sheet in Rolls)

MICHIGAN.

DETROIT—Detroit Leather Specialty Co. ("Wear Well" Hydraulic Leather), 99 Beecher
Morgan & Wright (Inc.) ("White Seal," "Economy," "Morganite," "Triangle," "Nagrom," "Cadillac" & "Excellent" Tucks), Detroit, Mich.
Steel Mill Packing Co. ("Safety" Plastic Metallic, ("Hi-Steam"), 42 Larned av
Wing, J. T. & Co. (Rubber), 19 Woodward av
MENOMINEE—Prescott Co. ("Regal," Metallic)
NILES—National Leather Mfg. Co. (Rawhide)

MINNESOTA.

DULUTH—Wessinger Co. (Metallic)
ST. PAUL—BOSTON BELTING CO. (Crane & Ordway Co., Rep.), 5th & Rosabel. (See adv. index, end of book)
Northern Metallic Packing Co. (Metallic)
WINONA—Union Fibre Co. (Fibre Waste)

MISSOURI.

KANSAS CITY—BOSTON BELTING CO. (English Tool & Supply Co., Rep.), 1308-1310 Grand av. (See adv. index, end of book)
Kansas City Rubber & Belting Co., 717 Delaware
ST. LOUIS—BOSTON BELTING CO. (Handlan-Buck Mfg. Co., Rep.), 210 N 3d. (See adv. index, end of book)
Caldwell Belting & Mfg. Co. ("Monarch Tri-Section"), "Graples," ("Metallic" All Kinds), 309 W Main. (See adv. index, end of book)
Morrison, Robt. ("Morrison" Self-Lubricating), 5084 Arsenal
Pilley Packing & Flue Brush Mfg. Co. (Wedge Ring & Braided, for Steam, Water, Ammonia & Hydraulic), 600 S 3d

NEW JERSEY.

BLOOMFIELD—Combination Rubber Mfg. Co. "Dr. Braun's," "Bloomfield," "Indestructone," "Thermopak"
BOONTON—Boonton Rubber Co. (Hard Rubber & Asbestos Ring, etc.),
CAMDEN—New Jersey Asbestos Co. ("Gladiator" Metal Face)
COLLINSWOOD—Allen, Jos. ("Monitor," "Bitous")
HAMILTON SQUARE—Mercer Rubber Co. ("Sayen-Reed" Asbestos)
JERSEY CITY—Johnson, Henry Co. (Ring, Spiral, Hydraulic, Square Flax, etc.), foot of Gates av
N. J. Car Spring & Rubber Co. ("Gibraltar" Black Sheet, Antimony Red Sheet), R. R. av., c. Brunswick
SMOOTH-ON MFG. CO., ("Smooth-on Iron Cement & "Smooth-On" Asbestos Sheet), 572 Communipaw av. (See adv. index, end of book)
Voorhees Rubber Mfg. Co. ("Nubian," Sheet, "Long Life," "Red Sheets," "Grapho-Bestos," "Royal Blue." Cloth or Wire Insertion Sheet, Spiral, Square Flax, Gum Core, Dry Dock, "Federal," "Union")
NEWARK—**WALSH'S SONS & CO.** (See adv. index, end of book)
PASSAIC—Manhattan Rubber Mfg. Co. (Rubber)
PERTH AMBOY—Mongrieve Engineering Co ("A. M. C." Elastic Metallic)
TRENTON—Consolidated Rubber Co. ("Advance," "Arion," "Duke," "Genessee," "Mohawk," "Royal," "Runic," "Star," "Mascot," "Sunset," "Superior" & "Advance")
Crescent Belting & Packing Co. ("Sunset" & "Capital")
Empire Rubber Mfg. Co. ("Amason" "Alabama," "Cardinal," "Faust," "Gem," "Hercules," "Merrimac," "Model," "Monitor," "Paragon," "Perfect," "Reliance" & "Sterling")
Hamilton Rubber Mfg. Co. (Rubber)
Home Rubber Co. ("O. I. M.," "Red Rose" & "N. B. O." Rubber)
Hunt, Jas. B. Mfg. Co. (Gum, Core, Flax)
Mercer Rubber Co. ("Red Breast" Rubber)
Stokes, Jos. Rubber Co. ("Red Seal" Rubber)
Thermoid Rubber Co. ("Black Bear" & "Thermidore," Rubber)
United & Globe Rubber Mfg. Co. (Rubber)
Whitehead Bros. Rubber Co. (Rubber)
Woven Steel Hose & Rubber Co. ("Defender" Rubber)

NEW YORK.

ALBANY—Albany Rubber Tire Co. (Rubber)
BUFFALO—BOSTON BELTING CO. (of Boston, Mass.) (Rubber, "Forsyth," Combination Ammonia, Plumbago, "Phoenix Red," Piston, Spiral Piston, "Noxall," Ring, etc.), 90 Pearl. (See adv. index, end of book)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Ambrose Machine Co. ("Ambrose" Metallic Self-Adjusting Piston), Provost & Eagle
Clinton Mfg. Co. ("Banner," "Red Cross," "Vim," "Montauk"), 83 Grand av
Houchin-Aiken Co. ("Law" Metallic), 39 53d

Boroughs of Manhattan & Bronx.

NEW YORK—AMERICAN GOETZE GASket & Packing Co. (All Kinds for All Purposes), ("Goetzarit," "Rex"), 532 East 149th. (See adv. index, end of book)
American Mfg. Co. (Jute), 68 Wall
BOSTON BELTING CO. (of Boston, Mass.) (Rubber, "Forsyth," Combination, Ammonia, Plumbago, "Phoenix Red," Piston, Spiral Piston, "Noxall," Ring, etc.), 100 Reade. (See adv. index, end of book)
Boston Woven Hose & Rubber Co. (Of Cambridgeport, Mass.), 116 Duane
Brandon, Jas. ("Brandon," Balanced Cylinder Ring), 390 11th av
Brandt, Randolph ("Selden," Square Flap, "Enterprise," "Zena," "Magneto"), 70
Buckley, Jno. W., 69 Warren Cortlandt
Buhne Metal Packing Co. (Metallic), 99 Nassau
Cockburn Barrow & Machine Co. (Metallic), 30 Church
Colgan Mfg. & Supply Co. ("Colgan," High Pressure & Sheet), 42 South
Calmon Asbestos & Rubber Wks. of Am., 100 Reade
Common Sense Metal Packing Mfg. Co., 223 E. 23rd
Duval Metallic Packing Co. (Metal), 111 B'way
Ehret Magnesia Mfg. Co. (of Phila., Pa.), 80 Wooster
Empire Rubber Mfg. Co. (Rubber, All Kinds), 148 Chambers
Excelsior Valve Co. (Water), 106 Fulton
Gilmour, R. M. Mfg. Co. (Asbestos), 105 John
Goodyear Rubber Co. ("Pioneer" & "Gold Seal"), 787 B'way
Greene, Tweed & Co. ("Crescent," "Manhattan," "Palmetto," "Royal" & "Union"), 109 Duane
Gutta Percha & Rubber Mfg. Co. ("Red Jacket" & "Pyramid"), 126 Duane
Imperial Rubber Co., 253 B'way
Jenkins Bros. ("Jenkins 98"), 71 John
Johns, H. W.-Manville Co. ("Vulcabestos," "Kearsarge," "Mogul," "Mobilene," "Asbestocel," "Hydro," "Liberty," Morris," Metallic), 100 William
Katzenstein, L. & Co. (Metallic & Flexible Tubular Metallic), 358 West
Keasbey & Mattison Co., 100 John. Works. Ambler, Pa.
Manhattan Rubber Mfg. Co. ("White Enamel," "Kertlandt," "Magnet," "Mohican," "Viking," "Fulca," "Torpedo," "Headlight," "Golden Fleece," "Walrus," "Raven," "Delhi," "Carlisi," "Parvenito," "Parsnite" Sheet Rubber), 18 Vesey
Mechanical Rubber Co. ("Marco" Rubber), 73 Reade
Metropolitan Rubber Co. (Rubber), 310 6th
Mineralized Rubber Co., 18 Cliff av
New York Asbestos Mfg. Co. (Asbestos, Flat, Rope & Wick), 80 John
New York Belting & Packing Co. (Ltd.) (Pure Sheet, Cloth Insertion Sheet, "Ruby" Sheet, "Salamanda" Sheet, "Cobb's" Round, Square & Spiral Piston, "Amazon" Waterproof Hydraulic, "Magic" High Pressure, Square & Rubber Back Piston), 91 Chambers
New York Insulated Wire Co. ("Lightning Non-Tubular"), 114 Liberty
New York Rubber Co., 84 Reade
Peerless Rubber Mfg. Co. ("Artic," "Germane," "Hercules," "Honest John," "Peerless," "Rainbow," "Success," "Uniphite" & "Zero"), 88 Chambers
PENNSYLVANIA RUBBER CO., 1741 B'way. (See adv. index, end of book)
Rhodes Improved Metallic Packing Co. ("Rhodes" Metallic), 149 B'way
Roberts, Geo. I. & Bros. (Inc.) (Square, Flax Packing), 471 4th av
Robertson, Jas. L. & Son, Inc. ("Eureka"), 48 Warren
Saunderson & Wright ("Nonesuch, "American"), 465 W B'way
Schieren, Chas. A., & Co. (Leather), 30 Ferry
STRONG MACHINERY & SUPPLY Co. (Steam, Ammonia, Hydraulic, Asbestos, etc., "Tisafine," "Dichtungsgummi," "Grapho-Asbestos," "Cocheco," "Rivalite," "Wolverine," "Kingfisher," "Crown" & "Bull Frog Rivalite," "Grapho Rivalite," "Featherlite" Metallic), 48 Franklin. (See adv. index, end of book)
TUCKER & CARTER ROPE O. (Italian & American Twisted Hemp), 76 South & 167 Maiden la., New York. (See adv. index, end of book)
United States Industructible Gasket Co., 50 Church
Vanda Co. ("Vanda"), 96 Spring
Voorhees Rubber Mfg. Co. (Steam "Nubian"), 48 Dey
Vulcan Asbestos Mfg. Co. ("Vulcabestos"), 40 Gold
Waterbury Rubber Mfg. Co. (Rubber), 75 Warren
Wendell & MacDuffie (Steam), 50 Church
Williams & Wells Co. ("Sayen-Reed," "Wilwel"), 250 Fulton
Williamson & Co. ("Silver," "Perfect"), 123 Liberty
Wilpaco Packing Co., 114 Liberty

(End of New York City)

PALMYRA—Crandall Packing Co. (All Kinds for All Purposes, "Helios," "Hymol," "Regina")
Dealers' Steam Packing Co. (Hemp & Flax)
Garlock Packing Co. (All Kinds for All Purposes)
Triumph Steam Packing Co.
TROY—Hammett, M. C. ("Trojan" Metallic)
Monarch Steam Blower Co. ("Sterling" Metallic)

OHIO.

AKRON—Akron Metallic Gasket Co. ("Fibrebestos," "Mephisto" Metallic)
DIAMOND RUBBER CO. (Rubber "Indian Red," "Silver Leaf," "Black Diamond" & Koh-I-Noor). (See adv. index, end of book)
Goodrich, B. F., Co. (Sheet, Piston & Valve Rod Packings in all styles & grades
Goodyear Tire & Rubber Co.
ALLIANCE—Federal Asbestos Mfg. Co. (Asbestos Plain, Braided Wound Cloth & Sheet)
CINCINNATI—Acme Supply Co. ("Excellent"), 717 Main
BOSTON BELTING CO. (Queen City Supply Co., Rep.), 201 W Pearl. (See adv. index, end of book)
Bradford Belting Co., cor. 2d & Walnut
Cincinnati Rubber Mfg. Co. (Rubber)
Nuhring, Chas., & Bro. ("I. X. L." Spiral, Square, Ring, etc.), 907 Walnut
CLEVELAND — **BOSTON BELTING CO.** (W. Bingham Co., Rep.), 1433-1455 9th, N. W. (See adv. index, end of book)
Consumers' Rubber Co. ("Superior"), 1407 W 6th, N W
Mechanical Rubber Co. ("Marco," "Jupiter," "Saturn," "Hyperion," "Tucks," "I. X. L." "Buckeye," "Kaffir," "Plum Para," "Bengal," "Monarch" Rubber), C. & P. R. R., nr. Nickel Plate R. R.
Ohio Metallic Packing Co.
COLUMBUS—Tippett Mfg. Co. (Metallic)
ELYRIA—Metallic Packing & Mfg. Co. ("20th Century" Metallic)

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IRONTON—Ironton Engine Co. (Metallic)
LOCKLAND—Carey, Philip Mfg. Co. (Asbestos, etc.)
OBERLIN—National Metallic Packing Co. (Metallic)
TOLEDO—**BOSTON BELTING CO.** (Boswick Braun Co.) (See adv. index, end of book)

PENNSYLVANIA.

ALLENTOWN—**BOSTON BELTING CO.** (Wm. H. Taylor & Co., Rep.), 250 Hamilton. (See adv. index, end of book)
AMBLER—Keasbey & Mattison Co. (Cylinder & Steam Asbestos "Battle")
BRIDGEPORT—Wilkinson Mfg. Co. ("Paragon" Metallic)
CHESTER—Harper Mfg. Co. ("Harper" Metallic)
ERIE—Continental Rubber Works ("Tribune," "Continental," "Liberty")
Lake Shore Rubber Co. (Rubber)
WATSON, H. F. CO. (Asbestos Braided, Piston Rod, Core Wicks, etc.) (See adv. index, end of book)
FRANKLIN—Franklin Mfg. Co. ("Perfection" Journal Box, Piston Rod, etc.)
HAZLETON—**BOSTON BELTING CO.** (Hazleton Machinery & Supply Co., Rep.) (See adv. index, end of book)
JEANNETTE—**PENNSYLVANIA RUBBER** Co. ("Century" White Sheet & Wire Insertion, "Columbia" Spiral Piston Rod, Ring "Pennsylvania" Expansion Ring, Spiral Piston, "Reindeer," Red Sheet, also Rubber Back, Pure Sheet, Diaphragm, etc.) (See adv. index, end of book)
MANHEIM—United States Asbestos Co. ("Usa-Co," "Carbuline" Asbestos)
NORTH WALES—Asbestos Fibre Spinning Co., Asbestos Rope, Wicks, Sheet, etc.)
Anchor Packing Co. ("Tauril" Sheet, Allegheny & Gtn. avs.
PHILADELPHIA — Acme Packing & Rubber Co., 230 N 3d
Billington, Jas H. & Co. (Maltese Cross Brand), 113 Chestnut
BOSTON BELTING CO. (Mulconroy Co., Rep.), 722 Arch. (See adv. index & branch offices, end of book)
Brown, D. P. & Co. (Brown's Oil Proof Ring & Sheet, etc.), 264 N 4th
Cancos Mfg. Co. (Metallic "Black Squadron," "Rising Sun," "Globe," "White Squadron"), 146 N 2nd
Canfield Mfg. Co. (Ltd.), ("Empire" Braided Gum Core. "Canfield," "Square Flax Spiral & Ring, "Ambest," "Rex" & "Regal" Metallic), Howard & Lehigh
Double Service Packing Co., 430 Walnut
Ehret Magnesia Mfg. Co., Land Title bldg.
Elastic Metallic Packing Co. ("Collins" Metallic), 407 Cherry
France Packing Co., Inc. ("France's" Metallic, Piston & Valve Rod), 6506 State rd. Tacony
Houghton, E. F. & Co. ("Vim"), (Leather), 240 W Somerset
Latta, Jno. S., & Co., 1227 Arch
Montgomery Bros. ("M. B." "Visa," "Diagonal," "Paragon," "Magnolia," "Victor," "Ajax," "Czar," "Standard," "American" & "Sterling." Gum Bore, Steam, Hydraulic & Ammonia), 48 N. Front
Mulconroy Co. (Inc.) ("Black Jack," "Indian," "Quaker," "Pilgrim," "Puritan," "Thorobred," "Victor," "Admiral" & "Monitor"), 722 Arch
Quaker City Rubber Co. (Chas. A. Daniel, Prop.) ("Daniels" P. P. P. Rod, "Ebonite," "Skihl," "Hercules," "Regal" & "Valvolite"), 629 Market
Restein, Clement Co. ("Belmont" & "Bell" Square Flax, Gum Core, etc.), 139 N 2d
Ruwell, Wm. F. (Cylinder), 719 Noble
SAYEN, OSGOOD ("Torpedo" Asbestos, "Un-X-L-D" Plumbago Unvulcanized, "Johnson" Vulcanite Rubber, "Midnight" Oil-Proof," "Tucks," "Auto" & "Melville" Oxidized White Rubber), Arcade bldg. Warerooms, 131 Market. (See adv. index, end of book)
Schlichter Jute Cordage Co. (Jute), 20 N Front
Skipton, Valentine Co., 2321 N 30th
Smith, Jas., Packing Co., 3108 Germantown av., Phila., Pa.
Standard Supply & Equipment Co. ("Torpedo" Asbestos Sheet), 1710 Market
Underwood, H. B. & Co. ("St. John" Self-Adjusting. Cylinder Packing), 1025 Hamilton
U. S. Metallic Packing Co. (Metallic), 427 N 13th
U. S. Mineral Wool Co. (Metallic), 140 Cedar
Walker, Thos. & Sons (Metallic), 4619 Taconv. Fkd.
Walsh Packing Co. (Metal Face, Steam & Water), 304 New
Watt's Jno. M. Sons ("Dirigo," "Nonpareil" & "Keystone"), 232 N 3d
Williamson & Cassedy, 526 Market
Winnie, F. W. & Son (Tarred & Untarred Jute), 237 Market
PITTSBURG—**BOSTON BELTING CO.** (J. & H. Phillips, Rep.), 136 Sixth. (See adv. index, end of book)
Chaplin-Fulton Mfg. Co. ("Roger"), 36 Penn av
Flocker, Jno. & Co. (Ltd.), (Lubricating Hemp), 957 Liberty av
Gerwig, H. & Sons, 1301 Penn av
Keystone Adjustable Metallic Packing Co. (Adjustable Metallic)
McClintock & Irvine Co., Neville & P. R. R.
PITTSBURGH GAGE & SUPPLY Co. ("Best-Ov-All," "Fort Pitt" Sheet, "Port Pitt" Spiral), 30th & Liberty av. (See adv. index, end of book)
Pittsburg Steam Packing Co. ("Reliance," "Practical" & "Iron City"), 210 2d
Turner, C. A., 16 Market
SCRANTON—**BOSTON BELTING CO.** (Scranton Supply & Machinery Co., Rep.), 131 Wyoming. (See adv. index end of book)
WILKES-BARRE—Holmes Metallic Packing Co. (Metallic Piston Rod & Valve Stem)

RHODE ISLAND.

BRISTOL—National India Rubber Co. ("N. I. R.," "Bristol," "Stanhope," Sheet, Piston & Pump)

SOUTH CAROLINA.

CHARLESTON—Charleston Metallic Packing Co. ("Metalloid," "Ideal," "Parabesto," "Delta," "Eclipse," "Dixie," "Carolina," "Navy," "Valbectine," "Semi-Bronze," "Morocco," "Magnolia," "Sumter," "Gilt Edge")

TENNESSEE.

MEMPHIS—**BOSTON BELTING CO.** (Towner & Co., Rep.), 78 N Main (See adv. index, end of book)
NASHVILLE—**BOSTON BELTING CO.** (Keith, Simmons & Co., Rep.), 316 Union. (See adv. index, end of book)

WASHINGTON.

SEATTLE — **BOSTON BELTING CO.** (Simonds Mfg. Co.), 119 Jackson. (See adv. index, end of book)

WISCONSIN.

CUDAHY—Federal Rubber Co. (Rubber, all Grades)
MILWAUKEE—**BOSTON BELTING CO.** (A. H. Gardner Co., Rep.), 380 E Water (See adv. index, end of book)
Western Rawhide & Belting Co. (Rawhide)
STEVENS POINT—Comee Metallic Packing Co. (Metallic)

Packing (Metallic)

Advance Packing & Supply Co. (Asbesto-Metallic Sheet), 123 Franklin, Chicago, Ill.
Ambrose Machine Co. ("Ambrose" Self-Adjusting Piston), Provost & Eagle, Brooklyn, N. Y.
American Balance Valve Co., Jersey Shore, Pa.
AMERICAN-GOETZE GASKET & PACKing Co. ("Rex" & Goetze's for Saturated Steam, Superheated Steam, Cold & Hot Water & for Highest Steam & Water Pressure), 532 E 149th. (See adv. index, end of book)
American Metallic Packing Co. (for Steam), Lexington, Ky.
American Steam Packing Co. (Asbesto-Metallic), 51 High, Boston, Mass.
Aurora Metal Co. ("Lewis & Kunzer" Piston), Aurora, Ill.
BOSTON BELTING CO. ("Forsyth" Combination), 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Bridgeport Metallic Packing Co. ("Law"), Bridgeport, Conn.
Buhne Metal Packing Co., 93-99 Nassau, New York City
Cassco Bar-Metallic Packing Co., 140 Dearborn, Chicago, Ill.
Charleston Metallic Packing Co. (Semi-Bronze), Charleston, S. C.
Chicago Bailey Co. ("Chief's Own" Bar Metallic), 260 S. Clark, Chicago, Ill.
Clark Flexible Metallic Packing Co. (Flexible Metallic), 71 Kennebec, Portland, Me.
Comee Metallic Packing Co., Steven's Point, Wis.
Common Sense Metal Packing Mfg. Co., 223 E 23d, New York
Cook, C. Lee, Louisville, Ky.
Davidson, M. T. ("Watson's" Piston Rod, etc.), 43 Keap, Brooklyn, N. Y.
Duval Metallic Packing Co., 111 B'way, New York
Federal Metallic Packing Co. "Standard" Flexible Metallic Fibred Compound), 404 Atlantic av., Boston, Mass
France Packing Co. (Inc.) (Piston & Valve Rod, etc.), 6506 State rd, Tacony, Phila., Pa.
Garlock Packing Co. ("Pitt"), Palmyra, N. Y.
Goodsell Packing Co., 23 S Canal, Chicago, Ill.
Hammett, M. C. ("Trojan"), Troy, N. Y.
Harper Mfg. Co. ("Harper"), Chester, Pa.
Holmes Metallic Packing Co. (Piston Rod & Valve Stem), Wilkes-Barre, Pa.
Houchin-Aiken Co. ("Law"), 39 53d Brooklyn, N. Y.
Ideal Metallic Packing Co., South Stillwater, Minn.
Ironton Engine Co., Ironton, O.
Jerome & Elliott, 351 W Monroe, Chicago, Ill.
Katzenstein, L. & Co., 358 West, New York
Keystone Adjustable Metallic Packing Co. (Adjustable), Pittsburg, Pa.
Lee, C., Mfg. Co., Louisville, Ky.
Merrill, Wm. B. & Co. ("Tripp" for Piston Rods, etc.), 72 India, Boston, Mass.
Merwarth Metallic Gasket Co., East Cambridge, Mass.
Metallic Packing & Mfg. Co. ("20th Century," for All Purposes), Elyria, O.
Mitchell, Geo. E. (Rod), 92 State, Boston, Mass.
Mongrieve Engineering Co. ("A. M. C." Elastic), Perth Amboy, N. J.
Morgan & Wright (Inc.), ("White Seal" Asbestos Metallic Cloth Insertion), Detroit, Mich.
National Metallic Packing Co., Oberlin, O.
Northern Metallic Packing Co., St. Paul, Minn.
Ohio Metallic Packing Co.
Paxton-Mitchell Co. ("Mitchell"), Omaha, Neb.
Phenix Lubricator Co., 7 S Jefferson, Chicago, Ill.



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PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Pioneer Brass Works ("Deed's" Piston Rod), Indianapolis, Ind.
Power Specialty Co., 111 B'way, New York
Prescott Co. ("Regal"), Menominee, Mich.
Reeves Machine Co. ("The Hartham"), Trenton, N. J.
Revere Rubber Co. ("Giant" & "Samson," Spiral Piston, etc.), 77 Bedford, Boston, Mass.
Rhodes Improved Metallic Packing Co. ("Rhodes"), 149 B'way, New York
Ryerson, Jos. T. & Son ("Regal"), 16th & Rockwell, Chicago, Ill.
Stayman Mfg. Co., 95 Liberty, New York
Steel Mill Packing Co. ("Safety", Plastic Metallic), Detroit, Mich.
STRONG MACHINERY & SUPPLY CO. ("Strong's" Rivalate, Metal Face, Metallic Loop & Semi-Metallic), 48 Franklin, New York. (See adv. index, end of book)
Swain Lubricator Co., cor. Lake & S Water, Chicago, Ill.
Tippett Mfg. Co., Columbus, Ohio
Trainer, C. W. Mfg. Co. ("Asbestos Metallic"), 89 Pearl, Boston, Mass.
Tripp Metallic Packing Co., 74 India, Boston, Mass.
Udstad, S. (Elastic), Aurora, Ill.
Unique Engineering Co. (Metallic Ring), 100 Hinsdale, Brooklyn, N. Y.
United States Metallic Packing Co., 427 N 13th, Phila. Pa.
Walker, Thos. & Sons, 4619 Tacony Phila., Philadelphia, Pa.
Walsh Packing Co., 111 S 7th, Phila., Pa.
Ward & Upright Engineering Co., 41 York, Brooklyn, N. Y.
Wilkinson Mfg. Co. ("Paragon" Piston Rod), Bridgeport, Pa.
Wing, J. T. & Co., 19 Woodward av., Detroit, Mich.

Packing (Piston Rod)

(See Packing, Metallic; also Packing Manufacturers)

Packing (Rawhide)

Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.
Mabb's Hydraulic Packing Co. ("Mabb's"), Board of Trade bldg, Chicago, Ill.
National Rawhide & Belting Co., Niles, Mich.
STRONG MACHINERY & SUPPLY CO. ("Strong's" Square Platted Rawhide), 48 Franklin, New York. (See adv. index, end of book)
Western Rawhide & Belting Co. (White Rope), Milwaukee, Wis.

Packing (Ring)

American Balance Slide Valve Co., San Francisco, Cal., & Jersey Shore, Pa.
AMERICAN-GOETZE GASKET & Packing Co. ("Goetzerit"), 532 E 149th, New York. (See adv. index, end of book)
American Steam Packing Co., 51 High, Boston, Mass.
Anderson, G. P., 163 Oliver, Boston, Mass.
Boonton Rubber Co. (Hard Rubber & Asbestos), Boonton, N. J.
Brandon, Jas. ("Brandon," Balanced Cylinder), 390 11th av, New York
Bridgeport Metallic Packing Co. ("Law"), Bridgeport, Conn.
Brown, D. P. & Co. (Brown's Oil Proof), 262 N 4th, Phila., Pa.
Columbia Ring Packing Co., 6 Howard, New York
Continental Rubber Works (Rubber), Erie, Pa.
Crandall Packing Co., Palmyra, N. Y.
Garlock Packing Co., Palmyra, N. Y.
Gould Packing Co., Cambridgeport, Mass.
Greenwood Mfg. & Supply Co. ("Greenwood"), 147 Milk, Boston, Mass.
Excelsior Ring Packing Co., 480 Kent av, Brooklyn, N. Y.
Federal Metallic Packing Co. (Flexible Metallic), 404 Atlantic av., Boston, Mass.
Jerome & Elliott, 351 W Monroe, Chicago, Ill.
Johnson, Henry Co., Jersey City, N. J.
Knowlton, Geo. W. Rubber Co. (And Spiral, Square & Round), 88 Broad, Boston, Mass.
Knowlton Packing Co. ("Lubron"), Newton, Mass.
Magnolia Metal Co., 260 W B'way, New York
Morgan & Wright (Inc.) ("Morganite," "Nagrom," "Cadillac," "M-W" High Pressure & Hydraulic, etc.), Detroit, Mich.
New York Belting & Packing Co. (Ltd.), (Rubber), 91 Chambers, New York
Peerless Metal Mfg. Co., Pittsburg, Pa.
PENNSYLVANIA RUBBER CO. ("Columbia" Ring, "Pennsylvania" Expansion Ring), Jeannette, Pa. (See adv. index & branch offices, end of book)
Pilley Packing & Flue Brush Co., 606 S 3d, St. Louis, Mo.
Quaker City Rubber Co. (Chas. A. Daniel, Prop.) ("Ebonite"), 629 Market, Phila., Pa.
Revere Rubber Co. (Revere Lubricated), 77 Bedford, Boston, Mass.
SAYEN, OSGOOD, Arcade bldg., Phila., Pa. (See adv. index, end of book)
STRONG MACHINERY & SUPPLY CO. ("Strong's Veri Best" Extra High Pressure, Piston & Valve Rod), 48 Franklin, New York. (See adv. index, end of book)
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Wing, J. T. & Co., 19 Woodward av, Detroit, Mich

Packing (Sheet)

AMERICAN-GOETZE GASKET & Packing Co. ("Goetzerit"), 532 E 149th New York. (See adv. index, end of book)
Crandall Packing Co., Palmyra, N. Y.
Manhattan Rubber Mfg. Co. ("Taranite" Rubber), 18 Vesey, New York
National India Rubber Co. ("N. I. R." Red), Bristol, R. I.
SAYEN, OSGOOD ("Wiesahocken" Red Sheet), Arcade bldg., Phila., Pa. (See adv. index, end of book)
PENNSYLVANIA RUBBER CO. ("Century" White, Pure Sheet Rubber, "Reindeer" Red Sheet, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
SMOOTH-ON MFG. CO. ("Smooth-On." Asbestos), 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)
STRONG MACHINERY & SUPPLY CO. ("Strong's I. O. P. Dichtungsgummi"), 48 Franklin, New York. (See adv. index, end of book)

*Packing (Sheet "Smooth-On" Asbestos)

SMOOTH-ON MFG. CO., 572 Communipaw ave, Jersey City, N. J. (See adv. index & branch offices end of book)

*Packing Sticks

STRONG MACHINERY & SUPPLY CO. ("Strong's Handy"), 48 Franklin, New York. (See adv. index, end of book)

Packing (Weather Strip)

Bosley, D. W. Co. (For Refrigerators, Ice Boxes, etc.), 308 Fulton, Chicago, Ill.

*Packing (Wire Rope Pulley)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)

Padlocks

(See Lock Manufacturers, Padlock)

Pads (Stamp)

Klausmann, J., 70 William, Newark, N. J.

Pail Ears

Berger Bros. Co. (Pail Ears, Pans, Kettles, etc.), 237 Arch, Phila., Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Forsyth Mfg. Co., 308 Terrace, Buffalo, N. Y.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Townsend, G. G., Winchendon, Mass.
Troy Nickel Works, Albany, N. Y.
Troy Stamping Works, Troy, N. Y.
WILSON, F. CORTEZ & CO. (Tin), 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pails (Chemical Fire)

Hamilton, E. A. & Co. ("Waggoner" Sanitary), Grand Rapids, Mich.

Pails (Copper)

Atlantic Stamping Co. (Polished, Nickel-plated etc.), Rochester, N. Y.

Pails (Dairy)

Atlantic Stamping Co. ("Atlantic" Tin), Rochester, N. Y.
Pritchard-Strong Co., Rochester, N. Y.

Pails (Fibre)

Barron, Jas. S. & Co., 127 Franklin, New York
Cordley & Hayes (Wholesale Jobbers), 172 Duane, New York
United Indurated Fibre Co. of N. J. ("Fibrotta"), Lockport, N. Y.

Pails (Foundry)

American Wooden Ware Mfg. Co. (White Oak), Toledo, O.
HILL & GRIFFITH CO., (Galvanized Iron), Cincinnati, O. (See adv. index, end of book)

Pails (Galvanized Iron)

Atlantic Stamping Co., Rochester, N. Y.
Buhl Stamping Co., Detroit, Mich.
Central Stamping Co., 174 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
EDWARDS MFG. CO. ("Edwards'" Sanitary Odorless Kitchen), 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Geuder & Paeschke & Frey Co., Milwaukee, Wis.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Lyon Metallic Mfg. Co., Aurora, Ill.
National Enameling & Stamping Co., 81 Fulton, New York
New England Enameling Co. (Water, Fire, etc.), Middletown, Conn.
Pritchard-Strong Co., Rochester, N. Y.
Republic Metal Ware Co., Buffalo, N. Y.
Victor Stamping Co. (Stock, Tap, Water, Fire, etc.), Twightwee, O.
Wall, P., Mfg. Supply Co., Allegheny, Pa.
Wallace, Jno. W. Co., 396 S 2nd, Brooklyn, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book

Pails (Garbage)

Atlantic Stamping Co., Rochester, N. Y.
Dover Stamping & Mfg. Co. (Galvanized), Cambridge, Mass.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Justrite Co. ("Justrite"), 218 Lake, Chicago, Ill.
Lyon Metallic Mfg. Co., Aurora, Ill.
New England Enameling Co. (Galvanized), Middletown, Conn.
Wallace, Jno. W. Co., 396 S 2nd, Brooklyn, N. Y.
WILSON, F. CORTEZ, & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
Witt Cornice Co. ("Witts"), Cincinnati, O.

Pails (Milk Strainer, Etc.)

Atlantic Stamping Co. ("Atlantic" All Tin), Rochester, N. Y.
Lyon Metallic Mfg. Co., Aurora, Ill.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pails (Paper)

O. K. Paper Pail Co., Middletown, O.

Pails (Steel, Shop)

Clark, W. J. Co (Sheet Steel), Salem, O.
Cleveland Wire Spring Co. (Sheet Steel), Cleveland.
Durlach, I. (for Gravel, Sand, Shop, etc.), 54 Vesey, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
Ohio Mfg. Co., Painesville, Ohio
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

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Pails (Tar)

Durlach, I (for Roofers, Contractors, etc.), 54 Vesey, New York

Pails (Tin)

(See Tinware Manufacturers)

Pails (Tin, Lard)

Bertels, W. B. & Son Co., Wilkes-Barre, Pa.
Brecht, B. S., Co. (Tin), N. 12th & Cass av., St. Louis, Mo.
Trethaway Bros., Parsons, Pa.

Pails (Waste)

(See Cans, Waste)

Pails & Buckets (Wood)

American Woodenware Mfg. Co. (White Oak Stable, Derrick & Foundry), Toledo, O.
Beaver Mills, Keene, N. H.
Bousfield Woodenware Co., Minneapolis, Minn.
Buckeye Churn Co ("Eureka," "Climax," "Buckeye," "Oak Horse"), Sidney, O.
California Barrel Co., San Francisco, Cal.
Farrar, Chas. D., Troy, N. H.
Hightower Box & Tank Co., Atlanta, Ga.
Keene Woodenware Co., Keene, N. H.
Lovering, John W., Sandown, N. H.
March, James, Westport, N. H.
Menasha Wooden Ware Co., Menasha, Wis.
Mengel Box Co., Louisville, Ky.
Ohio Pail Co., Middlefield, O.
Paepcke-Leicht Lumber Co., Chicago, Ill.
Peirce, W. E. & Co., Milford, N. H.
Richmond Cedar Works, Richmond, Va.
Prewitt-Spurr Mfg. Co. (Red Cedar, Ash, etc.), Nashville, Tenn.
St. Louis Wooden Ware Works, St. Louis, Mo.
Tuttle, John D., Marlboro, N. H.
Whitcomb Mfg. Co., West Swanzey, N. H.

Paint Burners

American Stove Co. ("Reliable" Gasoline), 414 N. 6th, St. Louis Mo.
Best Light Co., Canton, O.
BERNZ, OTTO, S., 13th & S. Orange av, Newark, N. J. See adv. index, end of book)
Chicago Pneumatic Tool Co. ("Tynan," Operated by Compressed Air), Fisher bldg., Chicago, Ill.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Phillips & Harmon ("Warrior" Gasoline Torch), Northville, Mich.
Sun Vapor Street Light Co., Canton, O.
Turner Brass Works (Gasoline), Sycamore, Ill.

*Paint for Oil Cloth

WILBUR, JOB CO., Office: Providence, R. I. Factory, Phila., Pa. (See adv. index, end of book)

*Paint Grinders (Dry Material)

WILBUR, JOB CO., Office: Providence, R. I. Factory, Phila., Pa. (See adv. index, end of book)

J. Wilbur Company,

DRY MINERAL PAINT GRINDERS

Also job grinding in carload lots. Specialties: Talckene, Black Filler, American Ochre and slates (red and gray), powdered dry.
Siding on P. R. R. and P. & R. railroads.

Factory, PHILADELPHIA, PA.
Office, PROVIDENCE, R. I.

Paint Grinding & Mixing Machinery

(See Machinery)

Paint Mfrs.

(For Special Kinds of Paints see Sub-classifications following this trade)

ALABAMA.

BIRMINGHAM—Birmingham Paint Mills

CALIFORNIA.

LOS ANGELES—Bowers, U. R. & Sons, 942 S Main
Brininstool Co., 2003 Palmetto
Whittier-Coburn Co., 165 N Los Angeles
OAKLAND—Buswell Paint Co.
SAN FRANCISCO—Bass-Hueter Paint Co., 816 Mission
Chemical Paint Co.
DIXON, JOS. CRUCIBLE CO. (Graphite). (See adv. index, end of book)
Nason, R. N. & Co., 151 Potrero av
Paraffine Paint Co., Merchants' Exchange bldg.
Yates, Chas. & Co., 320 Market

COLORADO.

DENVER—Humphrey-Jones Paint Co., 1621 Arapahoe
James, B. L. Mercantile & Mfg. Co. (The), Arapahoe
McMutry Mfg. Co.
Reitze Wall Paper & Paint Co., 1647 Welton
Western Elaterite Roofing Co., Equitable bldg

CONNECTICUT.

BRIDGEPORT—American Lacquer Co.
Crockett, D. B. Co.
NEW MILFORD—Bridgeport Wood Finishing Co.
NORWICH—Hammond-Boynton Paint & Chemical Co. ("Ferox" Iron Oxide)
WATERBURY—Wright, E. E. (Roof), 59 Centre

DELAWARE.

WILMINGTON—Bradford, Jas. Co.
Bryan, Jas. M.
Cartmell, Thos. B., Paint & Glass Co.

GEORGIA.

ATLANTA—Cooledge, F. J. & Bro., 12 N Forsyth
Southern Roofing Co. (Roof)
Tripod Paint Co., 87 N Pryor
AUGUSTA—O'Connor & Schweers Paint Co.

ILLINOIS.

AURORA—Akron Mining, Milling & Mfg. Co.
CHICAGO—Adams & Elting Co., 155 W Wash'n boul
Allen Paint & Putty Works, 214 S Clinton
Bereda Mfg. Co., 57 Illinois
Chicago White Lead & Oil Co., N Greene c Fulton
Chicago Wood Finishing Co., 259 Elston av
Depew Carbon Paint Co., 1507 N Lincoln
Diamond Red Paint Co., N Lincoln & Diversey boul
Detroit White Lead Works, 192 Kinzie
DIXON, JOS. CRUCIBLE CO. (Graphite,) Monadnock blk. (See adv. index, end of book)
Enterprise Paint Mfg. Co., 225 W Van Buren
Ernecke & Co., 629 N Halsted
Good Paint Co., 225 Dearborn
Hanna & Andrus Mfg. Co., Weed & Hawthorne
Heath & Milligan Mfg. Co., 170 Randolph
Hooker, H. M., Co., 120 Washington
Illinois Paint Mfg. Co., 502 S Homan av
Indiana Indestructible Paint Co., 84 Adams
Martin-Senour Mfg. Co., 2514 Quarry
Nubian Paint & Varnish Co., N 51st & Bloomingdale av
Pitkin, Geo. W., Co., N Carpenter & Fulton
Thurston, F. W. & Co., 29 River
Vilas Bros., 227 5th av
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton
CHICAGO HEIGHTS—Andrus, Wm. H. Mfg. Co. (Dry Colors)
EAST ST. LOUIS—Mepham, Geo. S. & Co.
FREEPORT—Natural Carbon Paint Co.

INDIANA.

ALEXANDRIA—American Insulating Material Mfg. Co. (Sawyers' Popular Brand)
INDIANAPOLIS—Ajax Paint Co., ("Woodpecker"), 920 Biddle
Burdsal, A. Co., 102 S Meridian
Indianapolis Paint & Color Co., 240 Mass. av
Sargeant Paint & Color Co., Mass. av c New Jersey
VALPARAISO—Parker, Chas. H. Co.

IOWA.

DES MOINES—Elaterite Paint & Mfg. Co
FORT DODGE—Iowa Paint Mfg. Co.
PELLA—Van Nimwegen, A. P. & Bro.

KENTUCKY.

ASHLAND—Ashland Paint Co.
COVINGTON—Boehmer, Albert L.
LOUISVILLE—Bridges, Smith & Co.
Kurfees Paint Co.
Louisville Paint Mfg. Co.
Long, C. R., Jr., Co., 626 E Main
Louisville Lead & Color Co., 15th c Lytle

LOUISIANA.

NEW ORLEANS—American Paint Works, 2215 S Water
Bernhardt, David Paint Co.
McWilliams, R., Ltd., 342 Camp

MAINE.

PORTLAND—Burgess, Fobes & Co.

MARYLAND.

BALTIMORE—Baltimore Copper Paint Co., 508 E Hughes
Davis, H. B. Co., 701 Keyser Bldg
Dunkel, Wm. L. & Co.
Hanline Bros., 23 S Howard
Hirshberg, Hollender & Co., 25 W Pratt
Kaufman, Edw. L. & Co., c Lafayette & Liberty
Miller & Graham, Water & Frederick
Popplein, G. & N., Jr., 220 North
Rubber Paint Co., Warner & Wooster
Seim Paint Co., Howard & Fayette
Thomas Paint Mfg. Co., 930 W Fayette

MASSACHUSETTS.

BOSTON—Briggs, John & Co., 47 Purchase
CABOT, SAMUEL, 141 Milk. (See adv. index, end of book)
Chadwick-Boston Lead Co., 102 Congress
DIXON, JOS. CRUCIBLE CO. (Graphite), 101 Tremont. (See adv. index, end of book)
Gilman, C. H., 103 Merrimac
Hoffman, J. W. Co., 438 Atlantic av
Prince, James H. Paint Co., 5 Lancaster
Stickney, J. W. & Co., 31 Milk
Tremont Paint & Varnish Co.
Wadsworth, Howland & Co. (Inc.), 84 Washington
Wheeler, Asahel Co., 52 High
GLOUCESTER—Henderson & Johnson
Tarr, Jas. H. Co. (Copper & Iron Marine), Hocky Neck
Tarr & Wonson (Marine), Rocky Neck
NEW BEDFORD—Brightman Bros., 146 Front
Kirby, Geo. Jr., & Co., Wall nr Acushnet
SALEM—Philbrick, L. B.
SPRINGFIELD—Hampden Paint & Chemical
WATERTOWN—Waterproof Paint Co. Co.
WELLESLEY—Woods, Henry Sons Co.

MICHIGAN.

DETROIT—Acme White Lead & Color Works, St. Aubin av & M. C. R. R.
Berry Bros.
Boydell Bros. White Lead & Color Co., 40 Champlain
Detroit Graphite Mfg. Co., 10 12th
Detroit Refining Co., Majestic bldg.
Detroit White Lead Works, 532 Milwaukee av. E
Ditzler Color Co., 18 Balto ave. W
Frazer Paint Co.
Peninsular Paint & Varnish Co., St. Aubin & M. C. R. R.
FLINT—Michigan Paint Co. (Graphite)
KALAMAZOO—Lakey, A. L. Co. (Mixed)
SAGINAW—Asphalt Roofing Co.
U. S. Graphite Co.

MINNESOTA.

MINNEAPOLIS—Atlas Paint Mfg. Co., 515 1st av. S
Maire Paint Co. (All Minerals), 242 1st av. N.
Minn. Linseed Oil Paint Co., 1101 S 3d
ST. PAUL—Blood, T. L. & Co., 413 Wacouta
Northern Paint Co., 318 E 7th

MISSOURI.

ST. LOUIS—Becker-Moore Paint Co., 1015 Locust av
DIXON, JOS. CRUCIBLE CO. (Of Jersey City, N. J.) (Graphite). Victoria bldg. (See adv. index, end of book)

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Eberson Paint Co., 2000 Pine
Great Western Paint & Color Co., 814 Manchester av
Hammar, F. Paint Co., 6th & Locust
Kent & Purdy Paint Co., 701 N 2d
Mound City Paint & Color Co., 811 N 2d
Platt & Thornburgh Paint Co., 620 Franklin av
St. Louis Surfacer & Paint Co. ("Metalsteel"), 26 S Commercial
Thomas Mfg. Co., 215 S Main
Vane-Calvert Paint Co., 823 Locust

NEBRASKA.

LINCOLN—Lincoln Paint & Color Co.
Nebraska Paint & Lead Co.
OMAHA—National Oil & Paint Co., 1015 Jones

NEW JERSEY.

BELLEVILLE—Dielectric Co. of Am.
BOUNDBROOK—Franklin Co.
BRIDGETON—Shaw, John P. & Co.
CAMDEN—Fox, Harry
GIBBSBORO—Lucas, John & Co.
HARRISON—Cromwell-Walker Co.
HOBOKEN—Pflugh, Albert & Co., Willow av c 14th
JERSEY CITY—Baker, Wm. T., 228 Suydam
DIXON, JOS. CRUCIBLE CO. (Graphite) (See adv. index, end of book)
Louderbough, Harry
New Jersey Paint Works (Louderbough, Hy. Prop.), (Oils, Paints & Antifouling Paints & Copper Paints & Marine Paints), Wayne & Fremont
Stowell Mfg. Co., 454 West Side av
Woolsey, C. A. Paint & Color Co., 500 Grand
NEWARK—Ackerman, Henry, 578 5th
Cawley, Clark & Co., 278 Passaic
Eureka Chemical Co., 5 Howard
Rice, S. E. M. Filler Co. (Flat White Enameled Primer), 21 Abel
NEW BRUNSWICK—Watson, J. D. & Co.
PATERSON—Norwood & Berdan

NEW YORK.

ADAMS—Rice, A. L.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Enamel & Stain Co., D. S. Morgan bldg
Buffalo Oil, Paint & Varnish Co., 1317 Elk
Metz, P. A. Paint Co., 15 Oak Grove av
CLINTON—Clinton Metallic Paint Co.
COLLEGE POINT—(See New York City, Borough of Queens)
ELLENVILLE—Ulster Paint Works
FISHKILL ON THE HUDSON—Hammond, Benjamin
LONG ISLAND CITY—(See New York City, Borough of Queens)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Averill Paint Co., 240 Plymouth
Century Paint & Wall Paper Co., 95 S 5th
Devoe, F. W. & C. T. Raynolds Co., 565 Ingersoll, O. W., 243 Plymouth
Smith King Paint Mfg. Co., 28 Durham pl
Kuhls, H. B. Fred, 719 3d av.
Leavitt, Louis, 454 Driggs av.
McCafferty, Jas. A., N 9th
McNaughton, Wm. D., 185 Oakland
McQuade, John & Co. (Stevens' Brick Reds, etc.), 416 Marcy av
Masury, John W. & Son, 50 Jay
Moore, Benjamin & Co., 231 Front
Smith, J. Lee & Co. 700 Hicks
Sonneborn, L., Sons (Inc.), 262 Pearl
Stewart, Wm. H. Mfg. Co., 65 Delevan
Weatherine Paint Works, 139 Steuben

Boroughs of Manhattan & Bronx.

NEW YORK—Billings, King & Co., 438 Pearl
Burns, C. L., 156 5th av
Childs, Chas. M. & Co., 225 Pearl
Chilton Paint Co., 100 William
Coulston, J. W. & Co., 136 Liberty
Devoe, F. W. & C. T. Raynolds, Co., 108 Fulton
DIXON, JOS. CRUCIBLE CO., 64 Reade. (See adv. index, end of book)
Dunham, Thomas C., 68 Murray
Fox, M. Ewing & Co. (Permanite), 240 E 136th
Gardiner, Geo. N. & Son, 15 William
Gould Gibraltar Paint Co., 32 Union sq.
Grote, George W. & Co., 432 E 102d
Horn, A. C. Co.
Holzapfel's Am. Composition Co., 18 B'way
Ilsley, Doubleday & Co., 229 Front
Johnson & Oswald Co., 280 Pearl
Leggett & Bro., 301 Pearl
Longman & Martinez, 207 Pearl
Manhattan Color Works ("Tem-Po-Va"), 197 Amsterdam av
Miller, Clifford L. & Co. (Minwax), 110 E 23d
Moser, Charles Co., 149 Washington
Nansen Composition & Paint Co., 116
National Lead Co., 111 B'way Broad
New York Roof Paint Co., 100 William
Pierce, F. O., Co., 12 W. B'way
Prince Mfg. Co. (Metallic Dry Paints & Colors), 2 Cliff
Rahtjen's Am. Composition Co., 1 B'way
Saunders, Theo., 150 Nassau
Smith, Edw. & Co., 141 B'way
Smith, J. Lee & Co., 59 Frankfort
Standard Paint Co., 100 William
Tiemann, D. F. & Co., 44 Duane
Toch Bros., 320 5th av
Williams, Samuel J., 181 South
Wix, Charles & Co., 138 Reade
Zibell Damp Resisting Paint Co., 273 Water

Borough of Richmond.

NEW BRIGHTON—Muralo Company

Borough of Queens.

LONG ISLAND CITY—Willey, Charles A. Co., Nott av

(End of New York City)

NIAGARA FALLS—International Acheson Graphite Co.
OGDENSBURG—Rossie Iron Ore Paint Co. (Metallic)
RANDOLPH—Elko Paint Co. (Enamel Oxide)
ROCHESTER—Clark Paint, Oil & Glass Co., 131 State
SCHENECTADY—Engleman & Bellinger, 212 S Centre
TROY—Connors, Wm., Paint Mfg. Co., 669
WAVERLY—Thomas, A. H. Paint Co. River

NORTH CAROLINA.

HIGHPOINT—Alexander, H.
WILMINGTON—Pannill Paint Co.
Spirittine Chemical Co.

OHIO.

BARBERTON—Carrara Paint Co.
CANTON—Arlington Mfg. Co.
Canton Paint & Varnish Co.
Goheen Mfg. Co. (Carbonizing Coating)
CARTHAGE—Shatfield Mfg. Co. ("Carbo")
CINCINNATI—Allen Anti-Rust Mfg. Co., 439 Race
Boice, Louis H. & Co., 2311 Gilbert av
Bradley Mfg. Co., 1518 Gest
Eagle White Lead Co., 1030 B'way
Hascall Paint Co.
Kolbe, John Co., 229 W 5th
Long, Edwin & Co., 845 Clinton
Mamolith Carbon Paint Co., 2d & Main
Meyer, E. H. & Co., 906 Walnut
Moser, Chas. Co., 215 E 9th
Peale Paint & Glass Co., 904 Central av
Washburn, Ira D. Co., 1010 Central av
CLEVELAND—American Graphite Co. ("Graphault"), Schofield bldg
Atlantic Paint Co., Bessemer av & C. P. R. R.
Atlantic Refining Co. ("Arco" Elastic Carbon), Citizens' bldg
Billings-Chapin Co., 1163 E 40th
Cleveland Stone Co., Hickox bldg
Eclipse Paint & Mfg. Co., Citizens' bldg
Forest City Paint & Varnish Co., 3334 Lakeside av
Hascall Paint Co., 1348 W 70th
Manhattan Paint Co., 1252 W 70th
McNairy, A. B. & Co., 1163 E 40th
National Paint & Varnish Co., 924 St. Clair av
Patterson-Sargent Co. ("B. P. S."), 1304 E. 38th
Sherwin-Williams Co., 601 Canal rd N W
Ullman-Philpott Co., 1592 Merwin av, NW
Vaughan Paint Co., Columbus rd & C., C., C. & St. L. R. R.
COLUMBUS—Columbus Paint Co. (Groff Bros., Propts.)
Dean & Barry Co., Locust & Ludlow
Hanna Paint Mfg. Co.
DAYTON—Barrett, Chas. A. P. Co.
Irvin, Jewell & Vinson Co.
Kay & Ess Co., Leo & Kiser
Lowe Bros. Co., 452 E 3d
FINDLAY—Ohio Paint & Varnish Co.
HAMILTON—Reeder, John S. (Cold Japan)
LOCKLAND—Carey, Philap Mfg. Co.
MARIETTA—Marietta Paint & Color Co.
PLAINVILLE—Ferris, O. J.
TOLEDO—Buckeye Paint & Varnish Co., 719 S 15th
Dolphin White Lead & Color Works, 501
WARREN—Warren Paint Co. Superior
WELLSVILLE—Shoub Paint Mfg. Co.

OREGON.

PORTLAND—Beach, F. E. & Co., 135 1st
Fisher, Thorsen & Co., 160 Front

PENNSYLVANIA.

ALLEGHENY—Eagle Paint & Varnish Works, 225 Grant av
National Lead & Oil Co. (Quick Drying), Second National Bank bldg
Nevin, T. H. Co., Preble & Island avs
Pittsburg Iron Paint Co., 867 S Canal
Thompson & Co.
Wheeler, Henry & Son, 119 Ohio, W
ALLENTOWN—Allentown Mfg. Co.
Princes' Metallic Paint Co. ("Princes' & Rutherford's" Dry Metallic, Miners & Mfrs.)
BETHLEHEM—Bethlehem Paint Co.
Erwin, Henry & Sons (Metallic)
EASTON—Williams, C. K. & Co. (Dry)
ERIE—**WATSON, H. F. CO. (See adv.** index & branch offices, end of book)
FRANKLIN—Reisenman Mfg. Co. (Ltd.)
JAMESTOWN—Jamestown Paint & Varnish Co.
JOHNSTOWN—Cambria Paint & Color Co.
LANCASTER—Hawthorne, A. F. & Co.
Lancaster Paint & Glass Co.
Schroeder Paint Co.
MUNCY—Keystone Paint & Filler Co.
PHILADELPHIA—**BINSWANGER, B. & Co.,** 115 N 4th
Butterworth, C. H. Drug & Paint Co., 62 N Front
Day Light Coating Co. (Ltd.), 24 S 7th
DIXON, JOS. CRUCIBLE CO. (of Jersey City, N. J.), 1020 Arch. (See adv. index, end of book)
Felton, Sibley & Co., 140 N 4th
Fibrous Paint Co., Real Estate Trust bldg
Flexible Compound Co., 3607 Haverford
FRENCH, SAMUEL H. & CO., 4th c Callowhill. (See adv. index, end of book)
Graves, N. Z. Co., 3200 S Broad
Grogan, H. F. & Co., 2113 E Sergeant
Harrison Bros. & Co., 35th & Gray's Ferry
Howell, C. H. & Co., 212 Race rd
Keystone Albumen & Paint Co. (All Kinds), Franklin Bank bldg
Lawrence-McFadden Co., 1400 Franklin
Lucas, John & Co., 322 Race
Nice, Eugene E., 272 S 2d
PECORA PAINT CO. (S. Bowen's Son, Successor), ("Pecora"), 4th st & Reading R R. (See adv. index, end of book)
Phoenix Paint & Varnish Co., 124 Market
Protectus Company, North American bldg
Rambo, Theo. G., 981 N 2d
RINALD BROS., 1142 N Hancock, (See adv. index, end of book)
Sauter, F. W. & Co., 909 N 9th
Schrack, C. & Co., 152 N 4th
Shoemaker, Robert & Co., 201 N 4th
THOMSON, WOOD FINISHING CO., 115 N 4th. (See adv. index, end of book)
Wetherill, G. D. & Co., 114 N Front
Wetherill, S. P. & Co., Penn Mutual bldg
Wetherill & Bro., S 30th, nr Chestnut
Yarnall Paint Co., Frankford
PITTSBURG—American Cold Japan Co. (Bridges, Roofs, Stacks, etc.)
American Supply Co., 3200 2d av
DIXON, JOS. CRUCIBLE CO. (Graphite), Farmers' Bank bldg. (See adv. index, end of book)
Eagle Paint & Varnish Co., 225 Grant av
Fort Pitt Oil & Paint Co., 3209 Liberty av
Globe Asphalt Co., Bakewell bldg.
Hommel O. Co., 400 Duquesne Way
Iron City Oil & Varnish Co., 906 Inwood & Frankstown av
Lawrence, W. W. & Co., W. Carson
McClintock & Irvine Co., Neville & P. R. R.
NEVIN, T. H. CO., North Side. (See adv. index, end of book)
Pittsburg Paint Supply Co., 617 Liberty av
Pittsburg Plate Glass Co., Frick bldg.
Sterling Varnish Co. (Varnish), Fulton blg
Snydam, M. B. Co., 61st & Butler
READING—Morgan Paint Co., 122 Wood
Ruth, B. F. & Co., 216 S 8th
Wilhelm, A. Co., 3d c Bern
SHAMOKIN—Zimmerman, W. S.
SHARPSBURG—Atlas Paint Co., 18th
TULLYTOWN—Tully Paint & Varnish Co.
WILLIAMSPORT—United States Paint Co.
WYOMING—Wyoming Painting & Paint Mfg. Co.

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RHODE ISLAND.

PROVIDENCE—U. S. GUTTA PERCHA Paint Co., 12-30 Dudley. (See adv. index, end of book)
WILBUR, JOB CO., 12 Dudley. (See adv. index, end of book)

SOUTH CAROLINA.

CHARLESTON—Moore-Leland Paint & Oil Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Paint Co.
MEMPHIS—Bartholomew Roofing Co., 164 S 2d
Memphis Dry Color Co., So. Ex. Bldg
Memphis Paint & Glass Co., 204 Gayoso
Memphis White Lead Works, B'way av
True Tagg Paint Co., 442-3 Shelby
NASHVILLE—Nashville Carbon & Oil Co. ("Durbon" Carbon)
Nashville Chemical Co.

TEXAS.

GALVESTON—Baulard, V. L. & Co., 215 Tremont.
HOUSTON—Houston Paint Co.
Randolph, N. & Sons

VERMONT.

SAXTON'S RIVER—Edson, Starks & Co. (Mineral)

VIRGINIA.

LYNCHBURG—National Paint & Manganese Co. (Ltd)
NORFOLK—Jenkins Paint & Oil Co.
Marine Paint Corporation

WASHINGTON.

SEATTLE—McGaha, Wm. P. Co.
Western Paint Co., 2500 3d av
SPOKANE—Spokane Paint & Oil Co.
TACOMA—Pacific Glass & Paint Co.

WEST VIRGINIA.

NEW CUMBERLAND—Paora Paint Co.
WHEELING—Wilson, W. A. & Sons

WISCONSIN.

GREEN BAY—Henderson, Robt, Paint Co.
IRON RIDGE—Winters' Metallic Paint Co.
MILWAUKEE—Ferrubron Metal Paint Co.
Patton Paint Co.
Ricketson Mineral Paint Works, 409 Broadway
OSHKOSH—Parker, Ira, & Sons Co.
STEVENS POINT—Wisconsin Graphite Co.

Paint Mfrs. (Oil)

Carrara Paint Co., Barberton, O.
Viscol Co. (Mfrs. of Condensed Paint & Varnish Oils), Cambridge, Mass.
Weatherine Paint Works, 189 Steuben, Brooklyn, N. Y.

Paint Mfrs.' Color Cards

Bradt Mfg. Co., Troy, N. Y.
Kinsey & Johnston, Cincinnati, O.
Morrison, Chas. C. (for Mixed Paint, etc.). Office, 363 S Clinton, Chicago, Ill.
Stocker, J. W., 510 Schubert av, Chicago, Ill.

Paint & Varnish Remover

Amstein, Eugene, 25th & Shields av, Chicago, Ill.
Ball Chemical Co. ("Ball's"), Pittsburg, Pa.
Bird, J. A. & W. & Co. ("Mistic"), 84 India, Boston, Mass.
Boyle, A. S., & Co. ("Varnigo"), 1908 W. 8th, Cincinnati, O.
Bridgeport Wood Finishing Co., New Milford, Conn
Brooklyn Varnish Mfg. Co., 85 Nostrand av, Brooklyn, N. Y.
Canton Paint & Varnish Co., Canton, O.
Chicago Wood Finishing Co. ("Elston"), 261 Elston av, Chicago, Ill.
Detroit White Lead Wks, 532 Milwaukee av, Detroit, Mich.
Ellis-Chalmers Co. ("Phenoid"), 100 William, New York
Forest City Paint & Varnish Co., Cleveland, O.
Hatt, Chas. E., Polish & Chemical Co., 388 Michigan av., Detroit, Mich
Lucas, Jno. & Co., 322 Race, Phila., Pa.
Michigan Paint Co. ("Se-Tab"), Flint, Mich.
Munson, Clair, Clinton, Ia.
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Otley Mfg. Co. ("Eureka," for R. R. Coaches, etc.), 855 Winchester av, Chicago, Ill.
Parrott Varnish Co., Bridgeport, Conn.
Sherwin-Williams Co., Cleveland, O.
Stocker, John W. & Son, 510 W Marianna av, Chicago, Ill.
Takitof Co. ("Takitof"), 949 Broadway, New York
Tousey Varnish Co., 279 Dearborn, Chicago, Ill.
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Wilson Co., ("Amyline" Emulsion) 18 B'way, New York, Works, Long Island City, N. Y.
Woodhouse, Samuel F., Unity & Franklin, Phila., Pa.

Paint Spraying Machines

(See Machinery)

*Painting Sprays (Compressed Air)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Paints (Acid Proof)

Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Canton Paint & Varnish Co., Canton, O.
Depew Carbon Paint Co., 1507 N Lincoln, Chicago, Ill.
DOGGETT, STANLEY, 101 Beekman. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Hanna Paint Mfg. Co., Columbus, O.
Maire Paint Co., 242 1st av, Minneapolis, Minn.
Miller, Clifford L., & Co. ("Minwax"), 110 E. 23d, New York
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Riesenman Mfg. Co., Ltd., Franklin, Pa.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)

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Schoellkopf, Hartford & Hanna Co., Abbott rd, Buffalo, N. Y.
Sonneborn, L., Sons (Inc.) ("Amalia"), 282 Pearl, New York
Suydam, M. B. Co., 61st & Butler, Pittsburg, Pa.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Zibell Damp-Resisting Paint Co., 278 Water, New York

Paints (Aluminum & Gold)

Aluminum Co. of America (Aluminum Only), Pittsburg, Pa., & 99 John, New York
Aluminum Paint & Polish Co., 701 W Lake, Chicago, Ill.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
Arnstein, Eugene, 35th & Shields, Chicago, Ill.
BINSWANGER, B. & CO., 115 N. 4th, Phila., Pa.
Bronze Powder Works, Elizabeth, N. J.
Cullen, F. C. & Co., 704 W Lake, Chicago, Ill.
Detroit White Lead Works, 532 Milwaukee av, Detroit, Mich.
Engel, Jno. & Co. (Gold), 137 W B'way, New York
FRENCH, SAM'L H. & CO., 4th and Callowhill, Phila., Pa. (See adv. index, end of book)
Gerstendorfer Bros., 231 E 42d, New York
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
Hommel, O. Co., 400 Duquesne Way, Pittsburg, Pa.
Kay & Ess Co., Dayton, O.
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Wilhelm, A. Co., Reading, Pa.

Paints (Asbestos)

Acme White Lead & Color Works, Detroit, Mich.
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Carey, Philip Mfg. Co., Lockland, O.
Casein Co. of America (Indurline), Bellows Falls, Vt
Ehret Magnesia Mfg. Co., Land Title bldg. Phila., Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Oil City Asbestos Co., Oil City, Pa.
Patton Paint Co., Milwaukee, Wis.
Sall Mountain Asbestos Mfg. Co., 68 S Canal, Chicago, Ill.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Paints (Asphalt)

Acme White Lead & Color Works, Detroit, Mich.
American Supply Co. (Asphaltum), 960 2d av, Pittsburg, Pa.
American Supply Co., 13 Eddy, Providence, R. I.
Asphaltum & Rubber Co., Woman's Temple, Chicago, Ill.
Barber Asphalt Paving Co. ("Titekote"), Phila., Pa.
Barrett Mfg. Co., Land Title bldg. Phila., Pa.
Cromwell-Walker Co., Harrison, N. J.
Densmore-Stabler Refining Co., Los Angeles, Cal
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Globe Asphalt Co., Bakewell bldg, Pittsburg,
Graham Paper Co. ("Martha" Jobbers), St. Louis, Mo.
GROSCHE, BRUNO & CO., 13 Jones la, New York. (See adv. index, end of book)
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Indian Refining Co., Cincinnati, O.
Kay & Ess Co., Dayton, O.
McClintock & Irvine Co., Pittsburg, Pa.
National Paint Works, Williamsport, Pa., & 100 William, New York
Patent Vulvanite Roofing Co. ("Vulcanite"), 625 S Campbell av, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Schillinger Bros. Co., Toledo, O.
Southern Refining Co., Los Angeles, Cal.
Southern Roofing Co. (Roof), Atlanta, Ga.
Stickney, J. W., 64 Broad, Boston, Mass.
Stowell Mfg. Co., Jersey City, N. J.
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Asphaltum)

Ajax Paint Co. ("Woodpecker"), Indianapolis, Ind.
American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
Cambria Paint & Color Co. (Ltd.), Johnstown,
Canton Paint & Varnish Co., Canton, O. Pa.
Detroit White Lead Works, Detroit, Mich.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Eagle Paint & Varnish Co., Pittsburg, Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO & CO., 13 Jones la, New York. (See adv. index, end of book)
Kay & Ess Co., Dayton, O.
McClintock & Irvine Co., Pittsburg, Pa.
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Otley Mfg. Co. ("Eureka"), 855 N Winchester av, Chicago, Ill.
Riesenman Mfg. Co., Franklin, Mass.
Thompson & Co., Allegheny, Pa.
Walker Chemical Works, Harrison, N. J.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co., Reading, Pa.

Paints (Barrel)

Bulls Head Oil Works, San Francisco, Cal.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Forest City Paint & Varnish Co., Cleveland, O.
Heller & Mers Co., 22 Cliff, New York
Lucas, Jno. & Co., 322 Race, Phila., Pa.
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

*Paints (Bath-Tub)

(See also Enamels, Bath Tub)

NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)

*Paints (Blackboard)

NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)



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French's Cement Colors (Dry)—Permanent, Safe and Strong.



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Paints (Brick)

Allentown Mfg. Co., Allentown, Pa.
Burns, O. L., 156 5th av, New York
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Hanna Paint Mfg. Co., Columbus, O.
Lucas, Jno. & Co., 822 Race, Phila., Pa.
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N. Hancock, Phila., Pa. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Bridge)

(See Paints for Coating & Preserving Iron & Steel)

Paints (Carbon)

Alexander Bros., 10 N 2d, Phila., Pa.
Hascall Paint Co., Clevelvand, O.
Mamolith Carbon Paint Co., 2d & Main, Cincinnati, Ohio
NEVIN, T. H. CO. North Side, Pittsburg, Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Cement)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Burns, C. L., 156 5th av, New York
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Cold Japan)

American Cold Japan Co. (Bridges, Roofs, Stacks, etc.), Pittsburg, Pa.

Paints (Cold Water)

Acme White Lead & Color Works, Detroit, Mich.
Arlington Mfg. Co., Canton, O.
Bird, J. A. & W. & Co. ("Magnite"., 34 India, Boston, Mass.
Columbia Refining Co. ("Aqualite" Fire & Weatherproof; also "Muraltint" & "Hygieni"), 90 West, New York
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Fox, M. Ewing & Co., 240 E. 136th, New York
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Hainbach, Bernard, Providence, R. I.
Hardie Mfg. Co. ("Stay There" Fire & Waterproof), Hudson, Mich.
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
Horn, A. C., Co., 8 Burling slip, New York
King Paint Mfg. Co. ("King's"), 27 Dunham pl.
Lucas, Jno. & Co., 322 Race, Philadelphia, Pa.
Manhattan Color Works ("Tem-Po-va"), 197 Amsterdam av, New York
Muralo Company, New Brighton, Borough of Richmond, New York
Murphy, Chas. J. & Co., 332 N Calvert, Baltimore, Md.
Paragon Plaster Co., Syracuse, N. Y.
Semple, Frank G., Bethlehem, Pa.
Starks, Edson & Co., Saxtons River, Vt.
Troy Cold Water Kalsomine Co. (Klark's XX Kold Water), Troy, N. Y.
United States Gypsum Co. (Alabaster Fireproof) 184 La Salle, Chicago, Ill.
Whittaker, W. H., 245 Front, New York
Wilhelm, A. Co., Reading, Pa.
Winn, Wm. R. ("Winn"), 143 Maiden la, New York

Paints (Copper)

(See also Paints, Marine)

Baltimore Copper Paint Co., Baltimore, Md.
Briggs, John, & Co. ("Challenge" Ready Mixed), Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv, index, end of book)
Devoe, F. W. & C. T. Raynolds Co., 101 Fulton, New York
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv index, end of book)
Henderson & Johnson, Gloucester, Mass.
Howell, C. H. & Co., 212 Race, Phila., Pa.
Kuhls, H. B. Fred ("Elastic"), 719 8d av, Brooklyn, N. Y.
Longman & Martinez, 207 Pearl, New York
Lucas, Jno. & Co., 322 Race, Phila., Pa.
New Jersey Paint Works (Louderbough, Hy., Prop.), Wayne & Fremont, Jersey City, N. J.
Pierce, F. O., Co., 12 W. B'way, New York
Sherwin-Williams Co., Cleveland, O.
Tarr, Jas. H. (Marine), Gloucester, Mass.
Tarr & Wonson, Gloucester, Mass.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Williams, Samuel J., 161 South, New York
Woolsey, C. A. Paint & Color Co., Jersey City, N. J.

Paints (Damp Resisting)

(See also Waterproofing Materials)

Arlington Mfg. Co., Canton, O.
Canton Paint & Varnish Co., Canton, Ohio
Feigel, M. & Bro. ("D. B. P."), 80 W Houston, New York
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Hanna Paint Mfg. Co., Columbus, O.
Horn, A. C., Co., 8 Burling slip, New York
Lehon Co., W 43d & Lincoln, Chicago, Ill.
Miller, Clifford L. & Co. ("Minwax"), 110 E 23d, New York
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Toch Bros. ("R. I. W."), 320 5th av, New York
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Universal Compound Co., 449 W 28th, New York
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Zibell Damp-Resisting Paint Co. 273 Water, New York

Paints (Dipping)

Canton Paint & Varnish Co., Canton, Ohio
Detroit White Lead Works, Detroit, Mich.
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
McClintock & Irvine Co., Pittsburg, Pa.
McLennan Paint Co. (Ltd.), Detroit, Mich.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
THOMSON WOOD FINISHING CO., 115 N. 4th, Phila., Pa. (See adv. index, end of book)
Walker Chemical Works, Harrison, N. J.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Enamel)

(See Enamels)

*Paints (English Bath Enamel & Porcelain)

RINALD BROS., 1142 N. HANCOCK, Phila., Pa. (See adv. index, end of book)

Paints (Fire Resisting)

Acme White Lead & Color Wks., Detroit, Mich.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
American Insulating Material Mfg. Co., Alex-
Arlington Mfg. Co., Canton, O. andria, Ind.
Atlantic Refining Co., Citizens bldg., Cleveland, Ohio
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
CABOT, SAMUEL 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
Canton Paint & Varnish Co., Canton, O.
Detroit Graphite Co., Detroit, Mich.
Eberson, A. A. & Co., 2000 Pine, St. Louis, Mo.
Firelight Paint Co. ("Firelight"), Pittsburg, Pa.
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Fox, M. Ewing & Co. (Permanite), 136th & Rider av, New York
Gould Gibraltar Paint Co. ("Gibraltar"), 32 Union sq., New York
Hanna Paint Mfg. Co., Columbus, O.
International Steel Post Co., 719 Chestnut, St. Louis, Mo.
Lucas, John & Co., 822 Race, Philadelphia, Pa.
Maire Paint Co., Minneapolis, Minn.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Nubian Paint & Varnish Co., 51st av c Bloomingdale av, Chicago, Ill.
Patterson, Sargent Co., Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
PECORA PAINT CO., (S. Bowen's Son, Successor), 4th st & Reading R R. Phila., Pa. (See adv. index, end of book)
Republic Railway Appliance Co., St. Louis, Mo.
Stowell Mfg. Co., Jersey City, N. J.
Suydam, M. B. Co., Pittsburg, Pa.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

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Acme White Lead & Color Works, Detroit, Mich.
Alcatraz Asphalt Paint Co. (Asphalt), Richmond, Va.
Allen Anti-Rust Paint Co., Cincinnati, O.
American Asphaltum & Rubber Co., Chicago, Ill.
American Bitumastic Enamel Co. (Bitumastic Enamels & Paints), 311½ Walnut, Phila., Pa.
American Bridge & Structural Preserving Co., 16 State, Boston, Mass.
American Graphite Co. ("Graphault"), Williamson bldg., Cleveland, O.
Arlington Mfg. Co. ("Carbonelastic" Coating), Canton, O.
Armitage Mfg. Co., Richmond, Va.
Atlantic Refining Co., Cleveland, O.
Barrett Mfg. Co. ("Monitor" Metal), Land Title bldg., Phila., Pa.
Billings-Chapin Co., Cleveland, O.
Billings, King & Co., 438 Pearl, New York, & 153 Congress, Boston, Mass.
Blood, T. L. & Co., St. Paul, Minn.
Buckeye Paint & Varnish Co., Toledo, O.
Burgess, Fobes & Co., Portland, Me.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canton Paint & Varnish Co., Canton, O.
Carrara Paint Co., Barberton, O.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, O.
Chattanooga Paint Co., Chattanooga, Tenn.
Chilton Paint Co., 100 William, New York
Clinton Metallic Paint Co., Clinton, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Cromwell-Walker Co., Harrison, N. J.
Depew Carbon Paint Co., 1507 N. Lincoln, Chicago, Ill.
Detroit Graphite Co., Detroit, Mich.
Detroit White Lead Works, Detroit, Mich.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Silica Graphite for Metal, also for Wood), Jersey City, N. J. (See adv. index & branch offices, end of book)
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Eagle Paint & Varnish Co., Pittsburg, Pa.
Elko Paint Co. (Anti-Corrosive Mineral Oxide), Randolph, N. Y.
Feigel, M. & Bro., 50 W Houston, New York
Felton, Sibley & Co., 140 N 4th, Phila., Pa.
Ferrubron Metal Paint Co., Milwaukee, Wis.
Forest City Paint & Varnish Co., Cleveland, O
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Frontier Mineral Paint Co., Detroit, Mich.
Garry Iron & Steel Co., Cleveland, O.
Glidden Varnish Co., Cleveland, O.
Goheen Mfg. Co. ("Galvanum"), Canton, O.
Gould Gibraltar Paint Co. ("Gibraltar"), 32 Union sq., New York
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Hammond-Boynton Paint & Chemical Co. ("Ferox" Iron Oxide), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, Ohio
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
Harrison Bros. & Co., 35th & Grays Ferry rd. Phila., Pa.
Heath & Milligan Mfg. Co., 170 Randolph. Chicago, Ill.
Ironsides Co., The Wyandotte, Columbus, Ohio
Jarrait Paint & Enamel Co., 92 Griswold, Detroit, Mich.
Jenkins Paint & Oil Co., Norfolk, Va.
Johnson Compound & Supply Co. ("Sumac"), Rochester, N. Y.
Kay & Ess Co., Dayton, Ohio
Keystone Albumen & Paint Co., Franklin Bank bldg, Philadelphia, Pa.
Keystone Paint & Filler Co., Muncy, Pa.
Lawrence, W. W. & Co., Pittsburg, Pa.
Long, Chas. K., J., Co., Louisville, Ky.
Lowe Bros. Co., Dayton, O.
Lucas, John & Co., 322 Race, Phila., Pa.
McClintock & Irvine Co., Pittsburg, Pa.
McNaughton, Wm. D., 185 Oakland, Brooklyn, N. Y.
McLennan Paint Co., Ltd., Detroit, Mich.
Maire Paint Co., Minneapolis, Minn.
Manolith Carbon Paint Co., Cincinnati, Ohio
Michigan Paint Co., Flint, Mich.
Miller, Clifford L., & Co. ("Minwax"), 110 E. 23d, New York
Mohawk Paint & Chemical Co. ("Ferox" Iron Oxide), Norwich, Conn.
Nashville Carbon & Oil Co. ("Durbon" Carbon), Nashville, Tenn.
National Paint Works, Williamsport, Pa., & 100 William, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Newcastle Paint & Varnish Co., Newcastle, Pa.
Otley Mfg. Co. ("Eureka" Graphite, etc.), 855 N Winchester av, Chicago, Ill.
Patterson-Sargent Co. ("B. P. S." & "Nobrac"), 1304 E. 38th, Cleveland, O., Chicago & New York
Patton Paint Co., Milwaukee, Wis.
PECORA PAINT CO., (S. Bowen's Son, Successor), ("Pecora"), 4th st & Reading R R, Phila., Pa. (See adv. index, end of book)
Penna. Standard Rubber Paint Co., West End Phila., Pa.
Popplein, G. & N. Jr., 220 North Baltimore, Md.
Preservative Products Co. ("Eco"), 1133 B'way, New York
Prince Mfg. Co., 2 Cliff, New York
Prince's Metallic Paint Co., Allentown, Pa.
Protectus Co., North American bldg, Phila., Pa.
Reeder, Jno. S. (Cold Japan), Hamilton, O.
Ricketson Mineral Paint Works, 404 B'way, Milwaukee, Wis.
Reisenman Mfg. Co. (Ltd.), (High Heat), Franklin, Pa.
RINALD BROS. (Bessemer Paints), 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
St. Louis Surfacer & Paint Co. ("Metalsteel"), 26 S Commercial, St. Louis, Mo.
Schoellkopf, Hartford & Hanna Co., Abbott rd, Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, O.
Smith, Edw. & Co., 141 B'way, New York
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York
Standard Paint Co. (Flexite), 100 William, New York
Stickney, J. W., 64 Broad, Boston, Mass.
Stowell Mfg. Co., Jersey City, N. J.
Suydam, M. B. Co., Pittsburg, Pa.
Swift Paint Co. ("Black Giant," Frost End Enamel), Wade bldg., Cleveland, Ohio
Thompson & Co. ("Diamond"), Pittsburg, Pa.
Toch Bros. (R. I. W.), 320 5th av, New York
U. S. GUTTA PERCHA PAINT CO., 12-20 Dudley, Providence, R. I. (See adv. index, end of book)
United States Paint Co., Williamsport, Pa.
Vacuum Varnish & Chemical Co., E Norwalk, Conn.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
Wadsworth-Howland & Co. (Inc.), Boston, Mass.
Weatherine Paint Works, 139 Steuben, Brooklyn, N.Y.
Wilhelm, A. Co., Reading, Pa.

Paints (Gold)

(See Paints, Aluminum & Gold)

Paints (Graphite)

Acme White Lead & Color Works, Detroit, Mich.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
American Graphite Co. ("Graphault"), Williamson bldg., Cleveland, Ohio
Arlington Mfg. Co., Canton, O.
BINSWANGER, B. & CO., 115 N. 4th, Phila., Pa.
Blood, T. L. & Co., St. Paul, Minn.
Buckeye Paint & Varnish Co., Toledo, O.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canton Paint & Varnish Co., Canton, O.
Columbia Refining Co. ("Metalite"), 90 West, New York
Detroit Graphite Co., 10 12th, Detroit, Mich.
Detroit White Lead Works, Detroit, Mich.
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Elko Paint Co. ("Elko XX" Enamel), Randolph, N. Y.
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Goheen Mfg. Co., Canton, Ohio
Harrison Bros. & Co. (Inc.), 35th & Gray's Ferry rd. Philadelphia, Pa.
Holmes Fibre Graphite Mfg. Co., 5155 Wakefield, Gtn., Phila., Pa.
Lawrence, W. W. & Co., Pittsburg, Pa.
Lucas, John & Co., 322 Race, Philadelphia, Pa.
McLennan Paint Co. (Ltd.), Detroit, Mich.
Michigan Paint Co., Flint, Mich.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
National Paint Works, Williamsport, Pa., & 100 William, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
North American Graphite Paint Co. ("Imperial"), Detroit, Mich.
Otley Mfg. Co. (Mixed in Oil), 855 N Winchester av, Chicago, Ill.
Reisenman Mfg. Co. (Ltd.), Franklin, Pa.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Standard Graphite Co., 11 B'way, New York
Suydam, M. B. Co., Pittsburg, Pa.
Thompson & Co., Pittsburg, Pa.
United States Graphite Co., Saginaw, Mich.
United States Paint Co., Williamsport, Pa.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co., Reading, Pa.

Paints (Heat Resisting)

(See Paints, Fire Resisting)

Paints (Insulating)

(See also Insulating Varnish)

Acme White Lead & Color Works, Detroit, Mich.
American Insulating Material Mfg. Co. (Sawyers' Polar Brand), Alexandria, Ind.
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Bradford Belting Co., 28 Dey, New York, & 2d & Walnut, Cincinnati, O.
Canton Paint & Varnish Co., Canton, O.
Depew Carbon Paint Co., 1507 N Lincoln, Chicago, Ill.

T. H. Nevin Co.
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Dielectric Mfg. Co., St. Louis, Mo.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Hanna Paint Mfg. Co., Columbus, Ohio
Lehon Company, W 43d & Lincoln, Chicago, Ill.
Massachusetts Chemical Co., Walpole, Mass.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Paragon Insulating Co., Cleveland, O.
Patent Vulcanite Roofing Co. ("Elite" & Mineral Compound), 625 S Campbell av, Chicago, Ill.
Protectus Co., Phila., Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Paint Co. ("P. & B."), 100 William, New York
Sterling Varnish Co. (Varnish), Pittsburg, Pa
Suydam, M. B. Co., 61st & Butler, Pittsburg, Pa.
Toch Bros., 320 5th av, New York
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Iron Oxide)

Acme White Lead & Color Works, Detroit, Mich.
Allentown Mfg. Co., Allentown, Pa.
Arlington Mfg. Co., Canton, O.
BINSWANGER, B. & CO., ("Sanaloid"), 115 N 4th, Phila., Pa.
Canton Paint & Varnish Co., Canton, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Forest City Paint & Varnish Co., Cleveland, O.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Goheen Mfg. Co., Canton, O.
Hammond-Boynton Paint & Chemical Co. ("Ferox"), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Insley, Doubleday & Co., 229 Front, New York
Jamestown Paint & Varnish Co., Jamestown, N. Y.
Kay & Ess Co., Dayton, O.
Lucas, John & Co., 322 Race, Phila., Pa.
McClintock & Irvine Co., Pittsburg, Pa.
McLennan Paint Co., Detroit, Mich.
National Paint Works, Williamsport, Pa., & 100 William, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Patton Paint Co., Milwaukee, Wis.
Pittsburg Iron Paint Co., Pittsburg, Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
Sherwin-Williams Co., Cleveland, O.
Suydam, M. B. Co., Pittsburg, Pa.
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
United States Paint Co., Williamsport, Pa.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co., Reading, Pa.

Paints (Japanese Gold)

Gerstendorfer Bros., 231 E 42d, New York

Paints (Locomotive)

GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

*Paints (Machinery)

(See also Paints for Coating & Preserving Iron & Steel)

BINSWANGER, B. & CO., 115 N 4th, Philadelphia, Pa.
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
PECORA PAINT CO. (S. Bowen's Son, Successors), 4th st & Reading R R, Phila., Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)

Paints (Marble Enamel)

Mensel, Wm. & Son, 64 Broad, New York

Paints (Marine)

(See also Paints, Copper)

Allentown Mfg. Co., Allentown, Pa.
Arlington Mfg. Co., Canton, O.
Berry Bros. (Ltd.), Detroit, Mich.
BINSWANGER, B. & CO., 115 N. 4th, Phila., Pa.
Canton Paint & Varnish Co., Canton, O.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Chilton Paint Co., 100 William, New York
Crockett, D. B. Co., Bridgeport, Conn.
Devoe, F. W. & C. T. Reynolds Co., 107 Fulton, New York
Eureka Chemical Co., Newark, N. J.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Hammond-Boynton Paint & Chemical Co. ("Ferox" "Iron Oxide"), Norwich, Conn.
Gardiner, Geo. N. & Son ("Am. McInnes' "), 15 William, New York
Glidden Varnish Co., Cleveland, O.
Holzapfel's Am. Compositions Co., 18 B'way, New York
Keystone Albumen & Paint Co., Franklin Bank bldg, Phila., Pa.
Kuhls, H. B. Fred ("Elastic" Copper, Anti-Fouling, etc.), 719 3d av, Brooklyn, N. Y.
Lane & De Groot Co., 17 Battery pl., New York
Lucas, John & Co., 322 Race, Phila., Pa.
Mamolith Carbon Paint Co., Cincinnati, O.
Nansen's Composition & Paint Co., 116 Broad, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
New Jersey Paint Works (Louderbough, Hy., Prop.), (Motor Boat), Jersey City, N. J.
Protectus Co., Phila., Pa.
Rahtjen's Am. Composition Co., 1 B'way, New York
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Standard Varnish Works, 29 B'way, New York
Sherwin-Williams Co., Cleveland, O.
Sonneborn, L., & Sons (Inc.) ("Amalia"), 282 Pearl, New York
Tarr, Jas. H. (Copper & Iron), Gloucester, Mass.
Tarr & Wonson, Gloucester, Mass.
Toch Bros. ("R. I. W."), 320 5th av, New York
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO. ("Pitts" Bristol Green Anti-Fouling, etc.), 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Williams, Samuel J. (Anti-Corrosive Compound), 181 South, New York
Winn, Wm. R. (Spar, etc.), 143 Maiden la, New York

Paints (Metal Protecting)

(See Paints for Coating & Preserving Iron & Steel; also Paints, Iron Oxide; also Paints, Graphite)

*Paints (Metal Shingle)

(See also Shingle Stains)

NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)

Paints (Mixed for Export)

Briggs, John, & Co., Boston, Mass.
Carrara Paint Co., Barberton, O.
Detroit Refining Co., Majestic bldg, Detroit, Mich.
Eagle Paint & Varnish Co., Pittsburg, Pa.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
King Paint Mfg. Co., 27 Dunham pl, Brooklyn, N. Y.
National Carbon Paint Co., Freeport, Ill.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

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Paints (Oil)

FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Muralo Company, New Brighton, Borough of Richmond, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Raritan Paint Co., New Brighton, Borough of Richmond, New York, & 10 Wall, New York

*Paints (Porcelain Enamel)

FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)

*Paints (Rail Bonding)

AMERICAN STEEL & WIRE CO. (Lever or Electric Motor, Single, Double & Triple Spindle), Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

*Paints (Railway Signal)

NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)

Paints (Roofing)

Acme White Lead & Color Works, Detroit, Mich.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
Allen Anti-Rust Mfg. Co., Cincinnati, O.
American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
American Elastic Roof Paint Co., New London, Conn.
American Graphite Co. ("Graphault"), Williamson bldg, Cleveland, O.
American Supply Co., 960 2d av, Pittsburg, Pa.
American Supply Co., Providence, R. I.
Arlington Mfg. Co., Canton, O.
Armitage Mfg. Co., 3200 Williamsburg av, Richmond, Va.
Asphalt Roofing Co. ("Wanigas"), Saginaw, Mich.
Atlantic Refining Co., Citizens' Bldg., Cleveland, O.
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Billings-Chapin Co., Cleveland, O.
Billings, King & Co., 438 Pearl, New York, & 153 Congress, Boston, Mass
BINSWANGER, B. & CO., 115 N. 4th, Phila., Pa.
Bradford, James Co., 6 E 3d, Wilmington, Del.
Buckeye Paint & Varnish Co., Toledo, O.
Cambria Paint & Color Co., (Ltd.), Johnstown, Pa.
Canton Paint & Varnish Co., Canton, O.
Carrara Paint Co., Barberton, O.
Chattanooga Paint Co., Chattanooga, Tenn
Chilton Paint Co., 100 William, New York
Cleveland Iron Ore Paint Co., Cleveland, O.
Columbus Paint Co. (Groff Bros., Proptrs.) ("Egyptian"), Columbus, Ohio
Connors, Wm. Paint Mfg. Co., Troy N. Y.
Continental Paint & Mfg. Co. ("Rockalyte"), Cleveland, O.
Detroit Refining Co., Detroit, Mich.
Devoe, F. W. & C. T. Raynolds Co., 103 Fulton, New York & Chicago, Ill.
Elko Paint Co. (Enamel Oxide), Randolph, N. Y.
Felton, Sibley & Co., 140 N. 4th, Phila., Pa.
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
Fox Elastic Paint Co., Camden, N. J.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
General Roofing Mfg. Co., East St. Louis, Ill.
Globe Oil Co., Rose bldg., Cleveland, Ohio
Goheen Mfg. Co., Canton, O.
Gould Gibraltar Paint Co., 32 Union sq., New York
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Hanna Paint Mfg. Co., Columbus, O.
Hammond-Boynton Paint & Chemical Co. ("Ferox" Iron Oxide), Norwich, Conn.
Hascall Paint Co., Cleveland, Ohio
Hawthorn, A. F. Roof Paint Co., Lancaster, Pa.
Heath & Milligan Mfg. Co., 170 Randolph, Chicago, Ill.
Howell, Chas. H. & Co., 212 Race, Phila., Pa.
Ilsley, Doubleday & Co., 229 Front, New York
Ironsides Co., The Wyandotte, Columbus, O.
Japan Elastic Roof Paint Mfg. Co. ("Japan Elastic"), Memphis, Tenn.
Kay & Ess Co., Dayton, Ohio
Keystone Paint & Filler Co., Muncy, Pa.
Lawrence-McFadden Co., 1400 Franklin, Phila., Pa.
Lawrence, W. W. & Co., Pittsburg, Pa.
Lehon Co., W 43d & Lincoln, Chicago, Ill.
Longman & Martinez, 207 Pearl, New York
Lucas, John & Co., 322 Race, Phila., Pa.
McClintock & Irvine Co., Pittsburg, Pa.
Maire Paint Co., Minneapolis, Minn.
Mamolith Carbon Paint Co., Cincinnati, O.
Martin Co., 192 Water, New York
Mepham, G. S. & Co., East St. Louis, Ill.
Miller, Clifford L., & Co. ("Minwax"), 110 E. 23d, New York
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Morgan, H. B., Co. ("Morgan's" Elastic), Grand Crossing, Chicago, Ill.
Nashville Carbon & Oil Co. ("Durbron"), Nashville, Tenn.
National Paint Works, Williamsport, Pa., & 100 William, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
N. Y. Roof Paint Co., 100 Williams, New York
Patterson-Sargent & Co., Cleveland, O.
Patton Paint Co. (Asbestos), Milwaukee, Wis
PECORA PAINT CO. (S. Bowen's Son, Successor), ("Pecora"), 4th st & Reading R R, Phila., Pa. (See adv. index, end of book)
Pittsburg Iron Paint Co., Allegheny, Pa.
Prince Mfg. Co., 2 Cliff, New York
Reeder, Jno. S. (Cold Japan), Hamilton, O.
Ricketson Mineral Paint Works (Iron Ore), 404 B'way, Milwaukee, Wis.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
Semple, Frank G., Bethlehem, Pa.
Sherwin-Williams Co., Cleveland, O.
Sonneborn, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York
Standard Paint Co., 100 William, New York
Star Varnish Co., Cleveland, Ohio
Stewart, W. H. Mfg. Co., 81 Fulton, New York
Stowell Mfg. Co., Jersey City, N. J.
Suydam, M. B. Co., Pittsburg, Pa.
Ullmann-Philpott Co., Cleveland, O.
U. S. Graphite Co., Saginaw, Mich.
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
U. S. Paint Co., Williamsport, Pa.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
Wadsworth, Howland & Co. (Inc.), Boston, Mass.
Walker Chemical Works, Harrison, N. J.
WATSON, H. F. CO. (Asbestos), Erie, Pa. (See adv. index & branch offices, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co., Reading, Pa.
Woolsey, C. A. Paint & Color Co., Merseles & Colden, Jersey City, N. J.

Paints (Rust Proof)

Acme White Lead & Color Works, Detroit, Mich.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
Allen Anti-Rust Mfg. Co., 5th & Race, Cincinnati, O.
Arlington Mfg. Co., Canton, O.
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, O.
Depew Carbon Paint Co., 1507 N Lincoln, Chicago, Ill.
Detroit Graphite Co., Detroit, Mich.
Dielectric Co. of Am. ("W. D. Paint"), Belleville, N. J
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Good Paint Co. ("Carbonall"), 225 Dearborn, Chicago, Ill.
GROSCHE, BRUNO, & Co., 13 Jones Lane, New York. (See adv. index, end of book)
Hanna Paint Mfg. Co., Columbus, Ohio
Lino Paint Co., Collinwood, O.
Lucas, John & Co., 322 Race, Phila., Pa.
McLennan Paint Co., Detroit, Mich.
Maire Paint Co., Minneapolis, Minn.
Miller, Clifford L. & Co., 110 E. 23d, New York
Nashville Carbon & Oil Co. ("Durbon" Carbon), Nashville, Tenn.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sonneborn, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York
Suydam, M. B. Co., Pittsburg, Pa.
Toch Bros. ("R. I. W."), 320 5th av, New York
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Zibell Damp Resisting Paint Co., 278 Water, New York

*Paints ("Sanaloid," Paste)

SANALOID (For Interior White), 930 N. 3d, Phila., Pa.

Paints (Shingle)

(See Shingle Stains)

Paints (Silica Graphite)

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

Paints (Smokestack)

(See Paints, Fire Resisting)

Paints (Steam-Proof)

Acme White Lead & Color Works, Detroit, Mich.
Arlington Mfg. Co., Canton, Ohio
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
Buckeye Paint & Varnish Co., Toledo, O.
Forest City Paint & Varnish Co., Cleveland, O.
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Lucas, John & Co., 322 Race, Philadelphia, Pa.
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

*Paints (Steel Car Coating)

FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock Phila., Pa. (See adv. index, end of book)
Sonneborn, L., Sons (Inc.) ("Amalia"), 262 Pearl, New York
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.

*Paints (Technical)

FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)

Paints (Teredo-Proof)

Teredo-Proof Paint Co. (For Preserving Piles, Ties & Timber, etc.), 17 Battery pl., New York

*Paints (Trolley Pole)

(See also Paints for Coating & Preserving Iron & Steel)
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)

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*Paints (Water Color)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index, end of book)

Paints (Waterproof)

Acme White Lead & Color Works, Detroit, Mich.
Ajax Paint Co. ("Woodpecker"), Indianapolis, Ind.
Akron Mining, Milling & Mfg. Co., Aurora, Ill.
Arlington Mfg. Co., Canton, O.
Barrett Mfg. Co., Land Title bldg., Phila., Pa.
BINSWANGER, B. & CO., 115 N. 4th, Philadelphia, Pa.
Bird, F. W. & Son ("Parine"), East Walpole, Mass.
Brown, Wm., Paint Co., 138 Washington, Chicago, Ill.
Canton Paint & Varnish Co., Canton, O.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, O.
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
FRENCH, SAML. H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Gould Gibraltar Paint Co., 32 Union sq., New York
GROSCHE, BRUNO, & CO., 13 Jones Lane, New York. (See adv. index, end of book)
Lehon Co., W. 43d & Lincoln, Chicago, Ill.
Maire Paint Co., Minneapolis, Minn.
Miller, Clifford L., & Co. ("Minwax"), 110 E. 23d, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
New Jersey Paint Works (Louderbough, Hy., Prop.), Jersey City, N. J.
Penna. Standard Rubber Paint Co., West End Trust bldg, Phila., Pa.
RINALD BROS., 1142 N Hancock, Phila., Pa. (See adv. index, end of book)
Sherwin-Williams Co., Cleveland, O.
Standard Tin & Waterproof Paint Co., 381 B'way, Albany, N. Y.
Streett, J. D. & Co., 309 N 2d, St. Louis, Mo.
Suydam, M. B. Co., Pittsburg, Pa.
U. S. GUTTA PERCHA PAINT CO., 12-30 Dudley, Providence, R. I. (See adv. index, end of book)
Waterproof Paint Co., Watertown, Mass.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Zibell Damp Resisting Paint Co. (In All Colors), 273 Water, New York

*Palladium (Sheet & Wire)

AMERICAN PLATINUM WORKS, Chestnut st & N J R R av, Newark, N. J. (See adv. index, end of book)

Pallets (Brick)

ATLAS CAR & MFG. CO., THE (Pressed Steel), 1289 Marquette rd, N E, Cleveland, O. (See adv. index, end of book)
Avery Stamping Co., Cleveland, O.
Central Expanded Metal Co. (Steel), Pittsburg, Pa.
Mersbon, Schuette, Parker & Co. (Wood), Saginaw, Mich.
Ohio Ceramic Engineering Co. (Hot Air), Cleveland, O.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, O.

*Panel Boards ("Beaver")

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)



Pans (Acid)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Moore, Samuel L., & Sons Corp., Elizabeth, N. J.

Pans (Amalgamating)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Chalmers & Williams, Commercial National Bank Bldg., Chicago, Ill.
Power & Mining Machinery Co., Cudahy, Wis.

Pans (Annealing)

CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Ohio Mfg. Co., Painesville, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

*Pans (Bench, Rubber Cement)

BOWSER, S. F. & CO. (Inc.), Fort Wayne Ind. (See adv. index & branch offices, end of book)

Pans (Bread)

Budke Mfg. Co. ("Acme," Sheet Steel), Parkersburg, W. Va.

Pans (Candy Display)

Wallace, Jno. W. Co., 396 S 2nd, Brooklyn, N. Y.

Pans (Cement)

Honhorst, Joseph, Co., Cincinnati, O.

Pans (Chemical)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
McCabe Boiler Works, Newark, N. J.

Pans (Chip)

New Britain Machine Co., New Britain, Conn.

Pans (Clean-Up)

Chalmers & Williams, Commercial National Bank Bldg., Chicago, Co.
Power & Mining Machinery Co. (For Gold, Silver, etc.), Cudahy, Wis.

Pans (Drip)

Akron Mfg. Co., Akron, O.
Bronson-Walton Co. ("Never Burn," Family), Collinwood, Cleveland, O.
Budko Mfg. Co. ("Acme"), Parkersburg, W Va.
Central Stamping Co., 174 Fulton, New York
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Durlach, I. (For Engineers), 54 Vesey, New York
EDWARDS MFG. CO., 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
Geuder & Paeschke & Frey Co., Milwaukee, Wis.
Hayes Mfg. Co., Detroit, Mich.
Hibbs, E. A. (Est. of), 213 Quarry, Phila., Pa.
Keighley, S., Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pans (Dry)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN CLAY MACHINERY CO. (And Wet), Bucyrus, O
Anderson Foundry & Machine Works, Anderson, Ind.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Bonnot Co., Canton, O.
CARLIN'S, THOS. SONS CO. (Also Wet), 1610 River av, North Side, Pittsburg, Pa. (See adv. index, end of book)
Chambers Bros. Co. (Clay, etc.), 52d below Lancaster av, Phila., Pa.
Clearfield Machine Shops (Ltd.) (Also Wet), Clearfield, Pa
Eagle Iron Works, Des Moines, Ia.
Frost Mfg. Co. ("Frost," also Wet Pans), Galesburg, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Means Foundry & Machine Co. (and Wet), Steubenville, O.
Phillips & McLaren (Also Wet Pans), 24th & Smallman, Pittsburg, Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Raymond, C. W. Co., Dayton, O.
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co. (Also Wet), Akron, Ohio
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio

Pans (Dust)

Central Stamping Co., (Steel Edge), 174 Fulton, New York
Delphos Mfg. Co. ("Delphos" Long Handle), Delphos, Ohio
Climax Lock & Ventilator Co. ("Climax" Long Handle), Buffalo, N. Y.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Knapp Mfg. Co., 20 Warren, New York
Sloan Mfg. Co. ("Sloan's Catch-All"), Kansas City, Mo.

Pans (Evaporating)

(See also Evaporators)

Bethlehem Foundry & Machine Co. (Cast Iron), South Bethlehem, Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Townsend Furnace & Machine Shop Co. (Cast Iron, for Chemical Mfrs., etc.), Albany, N.Y.

Pans (Fry)

Avery Stamping Co. ("Never Break" Steel Spider), Cleveland, O.
New England Enameling Co. ("Wont-Burn" Enameled Steel), Middletown, Conn.
New York Stamping Co. ("Acme" Steel, Cold Handle), Brooklyn, N. Y.

Pans (Gravel)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index, & branch offices, end of book)
Hibbs, E. A. (Est. of), 213 Quarry, Phila., Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Power & Mining Machinery Co., Cudahy, Wis.

Pans (Grinding)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index, & branch offices, end of book)
American Clay Machinery Co., Bucyrus, O.
CARLIN'S, THOS. SONS CO. (Dry & Wet), 1610 River av, North Side, Pittsburg, Pa. (See adv. index, end of book)
Clearfield Machine Shop (Ltd.) (Wet & Dry), Clearfield, Pa.
Lewis Foundry & Machine Co., Coraopolis, Phillips & McLaren, Pittsburg, Pa.
Power & Mining Machinery Co., Cudahy, Wis.
Sterritt-Thomas Foundry Co., Pittsburg, Pa.
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio
United Engineering & Foundry Co. (Pans 6 to 9 feet for Rolling Mills, etc.), Farmers' Bank bldg., Pittsburg, Pa.

Pans (Lathe)



(See also Pans, Drip)

Keighley, S., Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
Ohio Mfg. Co., Painesville, O.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pans (Refrigerator)

Atlantic Stamping Co. ("Atlantic" Galvanized Iron), Rochester, N. Y.
Central Stamping Co., 174 Fulton, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

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Pans (Salt)

Eastwood Wire Mfg. Co., Belleville, N. J.

Pans (Shop)

Avery Stamping Co. (Sheet Steel), Cleveland, O.
Clark, W. J. Co. (Steel), Salem, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Keighley, S. Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg, Pa.
Kilbourne & Jacobs Mfg. Co. (Pressed Steel), Columbus, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
Ohio Mfg. Co., Painesville, O.
WILSON, F. CORTEZ, & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pans (Steam Revolving)

Day, J. H. & Co., Cincinnati, O.
Holmberg, Chas., & Co., 50 Michigan, Chicago, Ill.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Pans (Sugar Coating)

Colton, Arthur (Revolving), 184 Brush, Detroit, Mich.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Pans (Vacuum)

Allentown Foundry & Machine Works Co. (Inc.), Allentown, Pa.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BADGER, E. B. & SONS CO., 75 Pitts, Boston, Mass. (See adv. index, end of book)
Baeuerle & Morris, 932 N. Front, Phila., Pa.
Bartlett, Hayward & Co., Baltimore, Md.
Boston Copper Works Co., Boston, Mass.
Bowman, Walker, 39 Cortlandt, New York
Blymyer Iron Works Co., Cincinnati, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Rob't & Co., 541 W 32d, New York
Dopp, W. H. Co., Buffalo, N. Y.
Dyer Co., New England bldg., Cleveland, O.
Guild & Garrison, ft. of S 10th, Brooklyn, N. Y.
Flynn, W. S., 76 Hudson, Jersey City, N. J.
Goetz & Flodin Mfg. Co., 109 W Chicago av, Chicago, Ill.
Harris, Arthur & Co., 44 N Curtis, Chicago Ill
Holmberg, Chas. & Co., 50 Michigan, Chicago, Ill.
Kehoe & Sons, Savannah, Ga.
Kilby Mfg. Co. (Copper, Bronze & Cast Iron), Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Manistee Iron Works Co. (For Salt), Manistee, Mich.
Marietta Iron Works Co., Manistee, Mich.
Morris, Henry G., Phila. Bourse, Phila., Pa.
Morris Engineering Co., 87th & Reed, Phila., Pa.
Murphy, John H., Iron Works, 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Phillips, Thos. Co., Providence, R. I.
Pioneer Iron Works, 149 Pioneer, Brooklyn.
Pusey & Jones Co., Wilmington, Del. N. Y.
Rourke, John & Sons, Savannah, Ga.
Risdon Iron & Locomotive Works, Steuart & Folsom, San Francisco, Cal.
Sperry, D. R. & Co., Batavia, Ill.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Wasel's Copper Works, 50 N. 3d, Brooklyn, N. Y.
Wheeler Condenser & Engineering Co. (and Multiple Effects), Carteret, N. J.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Pantographs

Ashcroft Mfg. Co., 85 Liberty, New York
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Pantry Windows (Revolving)

Van Kannel Revolving Door Co. Home office, 524 E 134th, New York

Paper (Anti-Rust)

American Paper Mills, 201 Wooster, New York
Dilworth Paper Co., Pittsburg, Pa.
Whittelsey Paper Co., Windsor Locks, Conn.

Paper (Blasting)

Megargee Bros. (Waterproof), Scranton, Pa.

Paper (Blotting) Mfrs.

Albermarle Paper Mfg. Co., Richmond, Va.
Bardeen Paper Co., Otsego, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Crocker, Burbank & Co., Fitchburg, Mass.
District of Columbia Paper Mfg. Co., Washington, D. C.
Eaton, Dikeman, Co., Lee, Mass.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Hampden Glazed Paper & Card Co. (Glazed), Holyoke, Mass.
Parker, Jos. & Son Co., New Haven, Conn.
Richmond Paper Mfg. Co. ("Climax," "Star" & Enameled), Richmond, Va.
Standard Paper Mfg. Co. ("Sterling," "Imperial," "Standard"), Richmond, Va.
Vinton, W. H. & Son, Brattleboro, Vt.
Wrenn Paper Co. ("Wrenn's Best," "Wrenn's Record," "Mosaic," "Miami," "Antlers," "Enameled," "Royal Colors"), Middletown, Ohio

Paper (Blue Print) Mfrs.

Plover Paper Co., Menasha, Wis.
Rising, B. D., Paper Co., Housatonic, Mass.

Paper (Bond) Mfrs.

Aetna Paper Co., Dayton, O.
American Writing Paper Co., Holyoke, Mass.
Berkshire Hills Paper Co., Adams, Mass.
Brown, L. L., Paper Co., Adams, Mass.
Chapin & Gould Paper Co., Springfield, Mass.
Chemical Paper Co., Holyoke, Mass.
Crane & Co., Dalton, Mass.
Crocker-McElwain Co., Holyoke, Mass.
District of Columbia Paper Mfg. Co., Washington, D. C.
East Hartford Mfg. Co., Burnside, Conn
Eaton, Crane & Pike Co., Pittsfield, Mass.
Everett Pulp & Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
Glatfelter, P. H., Springfield, Pa.
Hampshire Paper Co., South Hadley Falls, Mass.
Hammermill Paper Co., Erie, Pa.
Kalamazoo Paper Co., Kalamazoo, Mich.
Keith Paper Co., Turners Falls, Mass.
Lee Paper Co., Vicksburg, Mich.
Mittineague Paper Co., Mittineague, Mass.
Millers Falls Paper Co., Millers Falls, Mass.
Neenah Paper Co., Neenah, Wis.
New York & Penna. Co., 41 Park Row, New York
Parsons Paper Co., Holyoke, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Plover Paper Co., Menasha, Wis.
Rising, B. D., Paper Co. ("Housatonic," "Barrington" & "Danish"), Housatonic, Mass.
Riverside Fibre & Paper Co., Appleton, Mass.
Southworth Co., Mittineague, Mass.
Taylor-Atkins Paper Co., Burnside, Conn.
Taylor-Burt Co., Holyoke, Mass.
Valley Paper Co., Holyoke, Mass.
Woronoco Paper Co., Woronoco, Mass.
Worthy Paper Co., Mittineague, Mass.
Wroe, W. E., & Co. (Construction Bond, Special Water Marks for the Trade), Michigan boul. & Peck Court, Chicago, Ill.

Paper Box Machinery

(See Machinery, Paper Box)

Paper Can Mfrs.

(See also Tubes, Mailing)

Chicago Paper Tube & Can Co., 20 N May, Chicago, Ill.
Detroit Paper Tube & Can Co., 26 Griswold, Detroit, Mich.
Empire Paper Tube & Box Co., 445 West, New York
Hinde & Dausch Paper Co. (Corrugated), Sandusky, O.
Improved Mailing Case Co., 158 W. Broadway, New York
N. Y. Tube & Corrugated Paper Co., 59 W. 10th, New York
Novelty Drum Package Co., 84 Watts, New York
St. Louis Paper Can & Tube Co., St. Louis, Mo.
Thompson & Norris Co. (Corrugated), Prince & Concord, Brooklyn, N. Y.
Union Paper Co., 844 Washington, New York

Paper (Carbon)

Able & Willing Mfg. Co., Merchants' bldg., Phila., Pa.
Acme Carbon Paper Co., 52 B'way, New York
Allen, John & Co., 480 Pearl, New York
American Manifolding Co., 235 B'way, New York
American Ribbon & Carbon Co. ("Eagle"), Rochester, N. Y.
Black Diamond Ribbon & Carbon Co. ("Black Diamond"), Rochester, N. Y.
Buckeye Ribbon & Carbon Co., Cleveland, O.
Buffalo Carbon Paper Co., Buffalo, N. Y.
Carter's Ink Co. ("Ideal"), Boston, Mass.
Clarke & Zugala, 90 Gold, New York
Columbia Ribbon & Carbon Co. ("Columbia"), 299 B'way, New York
Corona Supply Co. ("Corona" & "Iroquois"), Rochester, N. Y.
Cooke, Douglas H., 18 Beaver, New York
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe," "Pioneer"), Rochester, N. Y.
De Fi Mfg. Co. ("De-Fi," "Solite"), 150 Nassau, New York
Ditmars-Kendig Co., 147 Centre, New York
Downes & Co. ("So-Klean"), 140 Nassau, New York
Fidelity Carbon Paper Co. ("Non-Smut"), 101 Tremont, Boston, Mass.
Foyer, Chas. A., & Co. ("Foyer"), 1120 Prospect av., Cleveland, O.)
General Manifold Co., Franklin, Pa.
Heale, J. A., & Co. ("H.-B."), 96 John, New York
Indelibra Mfg. Co., Rochester, N. Y.
International Carbon Paper Co. ("I. C. P. Co."), 241 Centre, New York
Keystone Carbon Paper Co. ("Keystone"), Franklin, Pa.
Kee Lox Mfg. Co. ("Kee Lox"), Syracuse, N. Y.
Kruse Printing Ink Co., 191 Cliff, New York
Little, A. P. (Cobweb), Rochester, N. Y.
Michigan Carbon Paper Co., 226 Abbot, Detroit, Mich.
Miller-Bryant-Pierce Co. ("Carnation"), Aurora, Ill.
Mittag & Volgar ("Eureka"), Park Ridge, N. J.
Manifold Supplies Co., 55 Warren, New York
Neidich Process Co. ("Neidich"), Burlington, N. J.
Newark Ribbon & Carbon Mfg. Co. ("Non-Smut"), Newark, N. J.
Non-Smut Carbon Mfg. Co. ("Attorney," "Standard"), Rochester, N. Y.
Pen Carbon Manifold Co. ("Non-Flake Typewriter Carbon"), New Brunswick, N. J.
Republic Carbon & Ribbon Mfg. Co. ("Republic"), 180 Centre, New York
Rogers Manifold & Carbon Paper Co., 75 Maiden la, New York
Rothschild, M. M., 96 5th av., Chicago, Ill.
Smith Paper Co., Lee, Mass.
Snelling & Son, Brooklyn, N. Y.

SOLTMANN, E. G.
(Papers & Carbons, Extra Large Size Sheets; also in Rolls for Duplicating Drawings & Manuscript), 125 E 42d, New York. (See adv. index, end of book)

Underwood, Jno. & Co., 50 Vesey, New York
Union Ribbon & Carbon Co. ("Apex," "Summit," "Cyclo"), 9th & Thompson, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 8th & Sansom, Phila., Pa.
Vacuo Carbon Co., Rochester, N. Y.
Webster, F. S. & Co., Boston, Mass.
Whitefield Carbon Paper Works ("Whitfield" Pen Carbon & Typewriter), 128 Liberty, New York

Paper (Carbon Tissue)

Diamond Mills Paper Co., 44 Murray, New York
Franklin Tissue Mills, Swarthmore, Pa.
Orr Co., Troy, N. Y.

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Paper (Cash Register)

A. P. W. Paper Co. (In Rolls, Numbered or Plain), Albany, N. Y.

Paper (Copying & Manifold)

(See Railroad Stationery, Blanks, Manifestos; also Paper, Manifold; also Paper Railroad, Manifold; also Paper, Railroad, Copying)

Paper (Corrugated)

Bicking, S. A., East Downingtown, Pa.
Hinde & Dauch Paper Co. ("H. & D." Collapsible Corrugated Jute Board & Corrugated Packages, etc.), Sandusky, Ohio
Lawrence Paper Mfg. Co., Lawrence, Kan.
Mac-Sim Bar Paper Co. (Corrugated Carpet Linings, Bottle Wrappers, etc.), Otsego, Mich.
N. Y. Tube & Corrugated Paper Co. (Single & Double Face), 59 W. 10th, New York
Park Novelty Co., 24th & Hamilton, Phila., Pa.
Thompson & Norris Co. (Straw & Fibre Papers for Corrugating), c Prince & Concord, Brooklyn, N. Y.

Paper (Detail)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Mittineague Paper Co. (For Architects & Engineers, etc.), Mittineague, Mass.

*Paper (Drawing, Tracing & Detail)

SOLTMANN.E.G
(Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Paper (Filter)

Garrett, H. S. & Son, Cheyney, Pa.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Wrenn Paper Co., Middletown, O.

Paper (Fly)

Bardeen Paper Co., Otsego, Mich.
Grand Rapids Sticky Fly Paper Co., Grand Rapids, Mich.
Maumee Paper Co. (Porous), Maumee, O.
Monroe Falls Paper Co., Massillon, O.
Thum, O. W. Co. ("Tanglefoot"), Grand Rapids, Mich.

Paper for Carbon Manifolding

(See also Paper, Manifold)

Dexter, C. H., & Sons, Windsor Locks, Conn.

Paper (Grease Proof)

Valley Paper Co. (Parchment), Eaton, Ind.
Vellumoid Paper Co., Worcester, Mass.

Paper (Insulating)

(See Insulating Paper)

Paper (Linen Ledger)

Crane Bros. ("Gold Medal," "Japanese Linen" & All Linen Writing, etc.), Westfield, Mass.
Weston, Byron, Co. ("Weston"), Dalton, Mass.

Paper (Manifold) Mfrs.

(See also Paper, Railroad Manifolding; also Railroad Stationery, Blanks, Manifests, etc.)

Anchor Mills Paper Co., Windsor Locks, Conn.
Dexter, C. H. & Sons (Linen, etc.), Windsor Locks, Conn.
Esleeck Mfg. Co., Turners Falls, Mass.
General Manifold Co. (Multiplex Papers), Franklin, Pa.
McDowell Paper Mills, Manayunk, Phila., Pa.
Mann, Wm., Co., Lambertsville, N. J.

Paper Mill Machinery

(See Machinery, Paper & Pulp Mill)

Paper Napkins

Dennison Mfg. Co., 15 John, New York
Hoberg, Jno. Co., Green Bay, Wis.

Paper (Parchment) Mfrs.

Bardeen Paper Co., Otsego, Mich.
Bergstrom Paper Co., Neenah, Wis.
Crane Co., Dalton, Mass.
East Hartford Mfg. Co., Burnside, Conn.
Glen Mills Paper Co. (Vegetable), Stephen Girard bldg., Phila., Pa.
Hartford City Paper Co., Hartford, City, Ind.
Hollingsworth & Whitney Co., Boston, Mass.
New York & Penna Co., 41 Park row, New York
Paterson Parchment Paper Co. (Vegetable), Paterson, N. J.
Schmidt & Ault Paper Co., York, Pa.
West Carrollton Parchment Co. (Vegetable), West Carrollton, O.
Whiting, Geo. A., Menasha, Wis.

Paper (Photographic)

American Photographic Paper Co., Boston, Mass.
Artura Photo Paper Co. ("Artura"), Columbus, O.
Haloid Co., Rochester, N. Y.
Mittineague Paper Co., Mittineague, Mass.
Valley Paper Co., Holyoke, Mass.

Paper (Railroad Copying) Mfrs.

Anchor Mills Paper Co., Windsor Locks, Conn.
Lambertville Paper Co., Lambertville, N. J.
Mann, Wm., Co., Lambertville, N. J.
Vernon, Richard R., Rainbow, Conn.
Whittelsey, F. H., Co., Windsor Locks, Conn.

Paper (Railroad Manifolding) Mfrs.

Lambertville Paper Co., Lambertville, N. J.
Reyburn Mfg. Co., 22nd & Allegheny av, Philadelphia, Pa.
Whittlesey, F. H, Co, Windsor Locks, Conn.

Paper (Railroad Manilla & Writing)

(See also Paper, Writing, Manufacturers)

Arlington Paper Co., Salisbury, Mills, N. Y.
Bardeen Paper Co., Otsego, Mich.
Bergstrom Paper Co., Neenah, Wis.
Brownsville Paper Co., Brownsville, N. Y.
Consolidated Water Power & Paper Co., Grand Rapids, Mich.
Everett Pulp & Paper Co., Everett, Wash'n
Hollingsworth & Whitney Co., Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Moore & Thompson Paper Co., Bellow Falls, Vt.
New York & Penna. Co., 41 Park Row, New York
Rising, B. D., Paper Co. ("Housatonic," "Barrington" & "Danish" Bond), Housatonic, Mass.
Riverton Paper Co., Riverton, Conn.
Robertson Paper Co., Bellows Falls, Vt.
Thilmany Pulp & Paper Mills, Kaukauna, Wis.

Paper (Railroad Ticket)

Bardeen Paper Co., Otsego, Mich.

Paper (Roofing, Saturators)

(See also Paper, Roofing, Sheathing & Building)

Acme Asphalt Roofing Mfg. Co., Jersey City, N. J.
American Insulating Material Mfg. Co., Alexandria, Ind.
Armitage Mfg. Co., Richmond, Va.
Asphalt Roofing Co., Saginaw, Mich.
Barrett Mfg. Co., 17 Battery pl, New York
Barber Asphalt & Paving Co., Land Title bldg., Phila., Pa.
Bird, F. W., & Co., East Walpole, Mass.
Chatfield Mfg. Co., Cincinnati, O.
Denver Gas & Electric Co., Denver, Colo.
Flintkote Mfg. Co., Rutherford, N. J.
Ford Mfg. Co., Chicago, Ill.
General Roofing Mfg. Co., East St. Louis, Ill.
Johns, H. W.-Manville Co., 100 William, New York
Lehon Co., W 48d & Lincoln av, Chicago, Ill
Lincoln Waterproof Cloth Co., Boundbrook, N. J.
National Roofing Co., Tonawanda, N. Y.
New England Felt Roofing Works, Boston.
Newton Paper Co., Holyoke, Mass. Mass.
Pacific Refining & Roofing Co., San Francisco, Cal
Paraffine Paint Co., San Francisco, Cal.
Standard Paint Co., 100 William, New York
Standard Vulcanite Co., 95 William, New York
Stowell, W. H., Co., Jersey City, N. J.
Susquehanna Roofing Mfg. Co., Cly, Pa.
Union Roofing & Mfg. Co., St. Paul, Minn.
Vulcanite Roofing Co., Franklin, O.
Western Roofing & Supply Co., 177 Randolph, Chicago, Ill
White, A. H., Co., Ltd., New Orleans, La.
Wright, Barrett & Stilwell Co., St. Paul, Minn.

Paper (Roofing, Sheathing & Building) Mfrs.

(See also Paper, Roofing Saturators)

(To learn what each firm in this list manufactures read printed matter following their name)

Amafibre Mills So. ("Amafibre" Building), Detroit, Mich.
American Straw Board Co. (Building), Old Colony bldg., Chicago, Ill.
Andrews, Jno. T., & Co. (Sheathing), Pearl Yan, N. Y.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Barrett Mfg. Co. (Roofing Felt), Peoria, Ill.
Beloit Box Board Co. (Roofing & Building), Beloit, Wis.
Bicking, S. Austin (Rosin-Sized Sheathing), East Downingtown, Pa.
Bird, F. W., & Son (Roofing, also Sheathing & Building), East Walpole, Mass.
Bowen, E. (Roofing, Building, Tarred Roofing & Slaters' Felt), Lockland, O.
CABOT, SAMUEL, ("Cabot's Sheathing & Deadening Quilt), 141 Milk, Boston, Mass. (See adv. index & branch offices, end of book)
California Paper & Board Co. (Roofing & Deadening Felts, also Sheathing), San Francisco, Cal.
Chatfield Mfg. (Buildings), Cincinnati, O.

Paper Boards Glue
C. B. HEWITT & BROS.
49 BEEKMAN ST., NEW YORK
Pattern Papers, Detail, Rope, Insulating, Roofing, Building, Wrapping
SPECIAL PAPERS TO ORDER

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Coons, Fred M. (Deadening Felts), Rockton, Ill.
Crown-Columbia Pulp & Paper Co. (Sheathing), San Francisco, Cal.
Cullen, L. C. (Deadening Felts & Building), Cheyney, Pa.
Diem & Wing Paper Co. (Roofing & Sheathing), Cincinnati, O.
Fleming, Jno. G., & Sons (Roofing & Sheathing), Dallas, Tex.
Foster Box Board Co. (Roofing), Utica, N. Y.
Fox Paper Co. (Building), Lockland, O.
Fuller, F. H. (Sheathing), Haddam Neck, Conn.
General Roofing Mfg. Co. (Building, Ready Roofing, Saturating & Deadening Felts), East St. Louis, Ill., & Chicago, Ill.
Georgia Mfg. & Public Service Co. (Sheathing), Marietta, Ga.
Hartje Paper Mfg. Co. (Rosin-Sized Sheathing & Building), Pittsburg, Pa.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Hollingsworth & Vose Co. (Red Rope Roofing), Boston, Mass.
Hollyweil Paper Mills (Dry Roofing, also Building), Chambersburg, Pa.
International Egg Carrier & Paper Co. (Building), Newark, N. J.
King & Largey Paper Co. (Building), Manhattan, Mont.
Kingston's, Wm., Sons (Saturating & Deadening Felts, Roofing & Building), Little Falls, N. Y.
Ithaca Paper Co. (Building), Ithaca, N. Y.
Janowski, Morris (Builders' Board), Aldam, Pa.
Lafian Paper Co. (Sheathing), York, Pa.
Lang, Jno., Paper Co. (Roofing & Saturating & Deadening Felts), 24th & Vine, Phila., Pa.
Lincoln, L., & Co. (Sheathing), North Dighton, Mass.
Lockport Paper Co. (Roofing, also Sheathing & Deadening), Lockport, N. Y.
Los Angeles Paper Mfg. Co. (Sheathing & Saturating & Deadening Felts), Los Angeles, Cal.
Lydall & Foulds Paper Co., Manchester, Conn.
Mac-Sim-Bar Paper Co. (Saturating, Roofing & Building), Otsego, Mich.
Maryland Lime & Cement Co. ("Nogi-Fibre"), Baltimore, Md.
Mitchell & Son (Sheathing), Palmyra, Mich.
Mullen Bros. Paper Co. (Building), St. Joseph, Mich.
Munroe Falls Paper Co. (Roofing & Deadening Felts), Massillon, O.
Munroe Felt & Paper Co. (Roofing), Boston, Mass.
Nelson Paper Co. (Roofing, also Building), Minneapolis, Minn.
Newton Paper Co. (Sheathing & Deadening Felts), San Francisco, Cal.
Paraffine Paint Co. (Sheathing & Saturating & Deadening Felts), Holyoke, Mass.
Parker, H. A., & Co. (Sheathing), East Pepperell, Mass.
Peters Paper Co. (Roofing & Sheathing), Latrobe, Pa.
Rankin, W. H., Co. (Roofing & Building), Elizabeth, N. J.
Richardson Paper Co. (Roofing), Lockland, Ohio
Roberts, Jno., & Sons Co. (Asbestos, Sheathing, etc.), Waltham, Mass.
Schmidt & Ault Paper Co. (Sheathing), York, Pa.
Snider Paper Co. (Roofing & Felt), Dayton, Ohio
Susquehanna Roofing Mfg. Co. (Roofing, Rosin-Sized Sheathing and Deadening Felts), Cly, Pa.
Union Mills Paper Mfg. Co. (Building), New Hope, Pa.
Union Roofing & Mfg. Co. (Roofing), St. Paul, Minn.
Wall, J. C. (Sheathing, Roofing & Waterproof Building), Walpole, Mass.
WATSON, H. F. CO. (Asbestos, Roofing & Building, etc.), Erie, Pa. (See adv. index, end of book)
West, W. T., & Co. (Roofing), Rowlandsville, Md.
West Side Paper Co. (Roofing), 30th & Spruce, Phila., Pa.
York Haven Paper Co. (Roofing & Waterproof Building; also Prepared Roofing Paper), 11 B'way, New York. Mills, York Haven, Pa.

Paper (Rope)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Hollingsworth & Vose Co., Boston, Mass.
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
Union Mills Paper Mfg. Co. (Pure Rope Papers & Colored Rope Specialties), New Hope, Pa.

Paper (Toilet) Mfrs.

A. P. W. Paper Co. (Roll & Package), Albany, N. Y.
Adams Paper Co. (Edwin Crabtree & Sons, Propt.), Wells River, Vt.
Ancram Paper Mills, 201 Wooster, New York
Carthage Tissue Paper Co. (Tissue), Carthage, N. Y.
Cole, W. A., Paper Co. (Tissue), Putney, Vt.
Continental Paper Bag Co. (Roll Toilet Tisue), 17 Battery pl, New York
Cornell & Ward, 160 Franklin, New York
Deutsch Bros., 319 Greenwich, New York
Fisk Paper Co. (Tissue), Hinsdale, N. H.
Fitz Gibbon Paper Co. (Tissue), Chauncey, N. Y.
Fulton Toilet Paper Co., Fulton, N. Y.
Gardner, L. H., Paper Co. (Tissue), Mumford, N. Y.
Hanford Paper Co., Boston, Mass.
Hoberg, Jno., Co. (Roll & Package Tissue), Green Bay, Wis.
Jerome Paper Co., 570 7th av, New York
Johnson, Geo. T., & Co., Boston, Mass.
Morgan Envelope Co., Springfield, Mass.
Northern Paper Mills (Tissue, Automatic Toilet Service, "Northern," Roll & Oval), Green Bay, Wis.
Oswego River Paper Mills (Package & Roll), Phoenix, N. Y.
Peerless Mfg. Co., 1025 Ridge av, Phila., Pa.
Peerless Paper Co. (Toilet Tissues), Troy, N. Y.
Phoenix Paper Co. ("Jumbo," Rolls, Tissue), Greenwich, N. Y.
Phoenix Toilet & Paper Mfg. Co. (Tissue), Phoenix, N. Y.
Robertson, G. A., & Co. (Tissue, Rolls & Sheets), Hinsdale, N. H.
Scott Paper Co., 7th & Glenwood av, Phila., Pa.
Utica Paper Mills Co., Sauquoit, N. Y.
Weston Paper & Mfg. Co. ("Tiger"), Dayton, O.
Wortendyke Mfg. Co., Richmond, Va.

Paper (Train Order)

Whittlesey Paper Co., Windsor Locks, Conn.

Paper (Typewriter)

(See also Paper, Writing, Manufacturers)
Eaton-Hurlbut Paper Co. ("Berkshire"), Pittsfield, Mass.
Mittineague Paper Co., Mittineague, Mass.

Paper (Waxed or Paraffine)

Bardeen Paper Co. (Paraffin), Otsego, Mich.
Dayton Paper Novelty Co., Dayton, O.
Hammerschlag Mfg. Co., 232 Greenwich, New York
Hollingsworth & Whitney Co., Boston, Mass.
Paraffin Paper Co., Otsego, Mich.
Raubsville Paper Mills Co., Raubsville, Pa.
Union Waxed & Parchment Paper Co., 277 B'way, New York

Paper (Wrapping)

Angier Mills (Waterproof Cloth Lined), Quincy, Mass.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Niles Board & Paper Co., Niles, Mich.

Paper (Wrapping, in Rolls)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
New York Roll Wrapping Paper Co. ("Hopking," "Simplex"), 84 Beekman, New York

Paper (Writing) Mfrs.

(See also Paper, Railroad Manilla & Writing)
Arlington Paper Co., Salisbury Mills, N. Y.
American Writing Paper Co., Holyoke, Mass.
Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Carew Mfg. Co., South Hadley Falls, Mich.
Chapin & Gould Paper Co., Springfield, Mass.
Chemical Paper Co., Holyoke, Mass.
Collins Mfg. Co., No. Wilbraham, Mass.
Columbian Paper Co., Buena Vista, Vt.
Crane Bros., Westfield, Mass.
Crane, Z. & W. M., Dalton, Mass.
Crane & Co., Dalton, Mass.
Crocker, Burbank & Co., Fitchburg, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Cushnoc Paper Co., Augusta, Me.
Eastern Mfg. Co., Bangor, Me.
East Hartford Mfg. Co., Burnside, Conn.
Eaton-Hurlbut Paper Co., Pittsfield, Mass.
Everett Pulp & Paper Co., Lowell, Wash.
Fox River Paper Co., Appleton, Wis.
Friend Paper Co., West Carrollton, Ohio
Gilbert Paper Co., Menasha, Wis.
Glatfelter, P. H., Co., Spring Forge, Pa.
Grove Mills Paper Co., 38 Park Row, New York
Hamilton, W. C. & Sons, William Penn P.O., Pa.
Hammermill Paper Co., Erie, Pa.
Hemingway Paper Mfg. Co., New Windsor, New York
Keith Paper Co., Turners Falls, Mass.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kenmore Pulp & Paper Co., Phila., Pa.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lee Paper Co., Vicksburg, Mich.
Mead Pulp & Paper Co., Dayton, Ohio.
Merrimac Paper Co., Lawrence, Mass.
Mount Holly Paper Co., Mount Holly Springs, Pa.
Nashua River Paper Co., Pepperell, Mass.
N. Y. & Pennsylvania Co., 41 Park Row, New York
Oglesby Paper Co., Middletown, Ohio
Old Berkshire Mills Co., Dalton, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Plover Paper Co., Menasha, Wis.
Poland Paper Co., Mechanic Falls, Me.
Taylor-Atkins Paper Co., Burnside, Conn.
Ticonderoga Pulp & Paper Co., 41 Park Row, New York
Walker, J. H., 16 Reade, New York. Mills, Burnside, Conn.
West Virginia Pulp & Paper Co., 309 B'dway, New York. Mills, Davis, W. Va.
Weston, Byron, Co., Dalton, Mass.
Whiting, George A., Menasha, Wis.
Whiting Paper Co., Holyoke, Mass.

Paper & Pulp Mills

(Star (*) Indicates Wood Pulp Mills)
(If the Main Office is not located at the Mill, the location of same follows after their Name)

CALIFORNIA.

ANTIOCH — California Paper & Board Mills (Straw Board, Deadening Felts, Tag Board, etc.), Office: San Francisco, Cal.
FLORISTON — *Floriston Pulp & Paper Co. (Manila, News, Tissue & Express), Office: San Francisco, Cal.
LOS ANGELES—Los Angeles Paper Mfg. Co. (Box Board, Sheathing, Deadening Felts & Wrapping)
SAN FRANCISCO—California Paper & Board Co. (Straw Board, Deadening Felts, Tag Board). Mills, Antioch, Cal.
*Crown-Columbia Pulp & Paper Co. (Manila, News, Sheathing, Hanging, Flaxing, Express, Bag, Fruit, Paraffine & Wrapping; also Ground Wood & Sulphite Fibre). Mills, Oregon City, Ore.
*Floriston Pulp & Paper Co. (Manila, News, Tissue, Express, etc.). Mills, Floriston, Cal.
*Lebanon Paper Co. (Straw Wrapping, Fibre & Manila; also Sulphite Fibre) Mills, Lebanon, Oregon
O'Neill Bros. & Callaghan (Butchers. Manila & Rag Wrapping). Mills, Soyreel, Cal.
Paraffine Paint Co. (Deadening & Saturating Felts & Sheathing)
*Willamette Pulp & Paper Co. (News & Ground Wood & Sulphite Fibre). Mills, Oregon City, Oregon
SOQUEL—O'Neill Bros. & Callaghan (Butchers' Manila & Rag Wrapping). Office: San Francisco, Cal.

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CONNECTICUT.

ANDOVER—Case, Fred L. Paper Co. (Leather Board & Specialties)
BOZRAHVILLE — Yantic River Paper Mills (Manila Tissue)
BRIDGEPORT—Tait & Sons Paper Co. (Box Board)
BURNSIDE—Case & Marshall (Rope, Board, Waterproof Papers, etc.)
East Hartford Mfg. Co. (Bonds, Linens, Parchment, Folding, Writing, etc.)
Taylor-Atkins Paper Co. (Bonds, Linens, Vellums & Writing)
Walker, J. H. (Book, Envelope & Writing), Office: New York City
CHAPLIN—International Leather Co. (Fibre & Leather Board), Office: Boston, Mass.
COMSTOCKS BRIDGE — Brown, Howard C. (Card Middles & Coating)
DANBURY — McArthur Bros. (Manila, Hardware & Wrapping)
GLASTONBURY — Naubuc Paper Co. (Box, Cloth, Button, Leather, Mill, Trunk & Wrapping Boards)
Riverside Paper Mfg. Co. (Binders Board, etc.)
HADDAM NECK — Fuller, F. H. (Manila, Wrapping & Sheathing)
HARTFORD — Hartford Board Co. (Binders Leather & Straw Board)
Hartford Paper Co. (Book, Cologne, French Folio & Colored Papers). Mills, Poyuonock, Conn.
HIGHLAND PARK—Case Bros. (Inc.) (Press Board, Jacquard Cards, Insulating Board, etc.)
HOP RIVER — Case Leather Works (Hidelte Leather Boards & Specialties)
MANCHESTER—American Writing Paper Co. (Writing, Specialties in Paper, Fine Book, Cover & Plate Papers), Office: Holyoke, Mass.
Case, A. Willard Co. (Imitation Press & Decorated Boards & Cover Papers, Poster & Mat Boards & Specialties)
Foulds, Wm. & Co. (Inc.) (Button, Straw, Binders & Leather Board)
Lydall & Foulds Paper Co. (Chipped, Plain & Mill Lined Straw Board)
MONTVILLE—Robertson, C. M. Co. (Folding Box Boards, Wrapping & Paper Box Boards)
NEW HAVEN—New Haven Pulp & Board Co. (Manila & White Folding Box Boards)
National Folding Box & Paper Co. (Manila, Board, Single & Double Lined Chip Box Board). Mills, Ballston Spa, N. Y.
Parker, Jos. & Son Co. (Blotting)
NEWINGTON — Newington Paper Co. (Binders & Leather Board)
NORTH WESTCHESTER — Norton, C. H. (Binders, Box, Shoe & Trunk Board)
NORWALK—*St. George Pulp & Paper Co. (News & Hanging, also Ground Wood), Office: Sandy Hill, N. Y.
NORWICH — Hubbard, A. H. Co. (Super-Calenders & Colored Cover), Mills: Greenville, Conn.
Uncas Paper Co. (Box Board & Card Middles)
ONECO—Case & Risley Press Paper Co. (Rag Press Papers in All Colors & Hand Finished Boards)
POQUONOCK — Hartford Paper Co. (Book, Catalogue, French Folio & Colored Papers), Office: Hartford, Conn.
RAINBOW—Hartford Paper Co. (Book & Colored), Office: Hartford, Conn.
Merwin Paper Co. (Insulating, Press & Shield Boards)
Rainbow Mills (Richard R. Vernon, Prop.) (R. R., Impression Paper, Tissue & Copying)
RIVERTON—Riverton Paper Co. (Yellow Railroad Copying & Oil Tissue)
SEYMOUR—Beach, S. Y. Paper Co. (Colored Specialties)
SHELTON—United Box Board & Paper Co. (Manila Boards & Paper Specialties), Office: New York City
SOUTH COVENTRY—Nichols, N. J. Paper Co. (Binders & Leather Prints)
SOUTH GLASTONBURY — Wasuc Mills Co. (Binders, Straw, Album & Leather Board & Specialties)
SOUTH MANCHESTER—Brookside Paper Co. (Binders, Album, Straw & Trunk Board)
Rogers Paper Mfg. Co. (Press, Insulating, Jacquard, Shield & Leather Boards)
SOUTHFORD—Diamond Match Co. (Binders' Straw, Album & Leather Board), Office: Chicago, Ill.
TALCOTTVILLE—Sweett, R. K. Co. (Binders Board)
UNCASVILLE — Sachem Paper Board Co. (Leather Board, Binders Board, etc.)
UNIONVILLE — American Writing Paper Co. (Writing, Coupon Bond), Office: Holyoke, Mass.
Case Mfg. Co. (Colored, Hardware, Manila, Pattern & Rope)
Connecticut Pulp & Paper Co. (Pulp & Press Boards)
VERSAILLES — Eastern Straw Board Co. (Straw Board, Folding, Box Board & Building)
WESTPORT — Westport Paper Co. (Binders, Leather, Trunk & Box Board)
WINDSOR LOCKS—American Writing Paper Co. (Boards & Manilas, Rope & Jute Manilas), Office: Holyoke, Mass.
Anchor Mills Paper Co. (White, Colored & Manila Tissues, Pattern, Toilet & Anti-Tarnish, White Shoe, French Folio, Stereotype, Manifold & Blue Seidlits, Grass-Bleached Silver, Yellow, White & Manila R. B. Copying)
Dexter, C. H. & Sons (Cover Papers, Tissues & Specialties, "Star" Manifold Linen Typewriter, "Star" Grass-Bleached Silver Tissues, White & Colored Tissues, Copying, Bristols)
Whittelsey, F. H. Co. (Yellow Way Bill, Manila, White & Parchment Copying, White & Colored Tissue, Manifold, Grass-Bleached, Typewriter, Anti-Tarnished, Oiled Tissue & Boards & Train Orders, etc.)

DELAWARE.

BEAVER VALLEY—Garrett, Edwin (Fine Tissue, Manila & Colored), Office: Chester, Pa.
NEWARK — Curtis & Bro. (Rag Book, Envelope, Specialties & Writings)
WILMINGTON — Delaware Hard Fibre Co. (Rag Specialties & Fibre Boards, etc.), Mills: Marshallton, Del.
DU PONT, E. I., de NEMOURS Powder Co. (Ground Wood Floor Mills), Newhall, Me. (See adv. index, end of book)
*Jessup & Moore Paper Co. (Book, Paper & Soda Fibre), Office: Phila., Pa.
WOODDALE — Marshall & Mitchell (Special Paper for Making Vulcanized Fibre for Electrical & Mechanical Purposes)
YORKLYN—Marshall Bros. (Rag Papers for Vulcanized Fibre & Rag Specialties)
Marshall, T. S. & Sons (No. 2 Manila)

DISTRICT OF COLUMBIA.

WASHINGTON — District of Columbia Paper Mfg. Co. (Finish Bond, Blotting, Embossed Flora Blottings, Cover, Matrix & Specialties)

GEORGIA.

MARIETTA—Georgia Mfg. Co. & Public Service Co. (Super-Calendered Book, News, Manila, Bag, Rag, Lined Board, Plain & Lined Chip Board, News Board, Sheathing, Carpet Linings, Water Finish Fibre)

ILLINOIS.

CARLYLE—Carlyle Paper Co. (Straw Wrapping, Carpet, Building & Deadening Felts)
CHICAGO—American Straw Board Co. (Straw Board, Mill Lined; Egg Case Board & Building Board, Chip Paper Stock, News, Combination Board), Old Colony bldg
*Boyce, W. D. Co. (Manila Tag Board, Folding Box Board, Ice Cream & Oyster Pail Stock), 76 Dearborn. Mills, Marseilles, Ill.
Chicago Coated Board Co. (Paper Box Boards, Plain, Mill Lined, & Sheet Lined), 545-625 N Water
Diamond Match Co. (Binders, Straw, Album & Leather Board). Mills, Southford, Conn.
Ford Mfg. Co. (Boards, Express, Carpet Linings, Deadening Felts), 109 W Washington; Mills: Madison, Ind.
Sall Mountain Asbestos Mfg. Co. (Asbestos Paper & Boards). Mills, Porter, Ind.
EAST ST. LOUIS—General Roofing Mfg. Co. (Saturating & Deadening Felts, Building & Carpet Lining, Ready Roofings)
LOCKPORT—American Straw Board Co. (See Chicago, Ill.)
MARSEILLES—*Boyce, W. D. Paper Mills Co. (Manila Tag Board, Folding Box Board, Ice Cream & Oyster Pail Stock), Office: Chicago, Ill.
Crescent Paper Co. (Straw & Chip Board, Egg Case Fillers & Box Board, Manila Lined & Plain)
Howe & Davidson Co. (Paper Box & Wax-Coated Boards)
Marseilles Wrapping Paper Co. (Rope Papers, Glazed Express, Rag & Bag Papers)
MOLINE—Illinois Straw Products Co. (Chip Board, Cracker Shell Boards & Straw Wrapping)
MORRIS—Prairie Box Board Co. (Oak Grained & Plain Jute Boards, Manila, White & Colored Pulp-Lined Combination Boards, Plain & Mill-Lined Straw & Chipped Boards)
MOUNT CARMEL—United Box Board & Paper Co. (Straw Board), Office: New York City
PEKIN—Illinois Box Board Co. (Plain & Mill-Lined Straw & Chip Boards)
PEORIA—Barrett Mfg. Co. (Roofing Felt), Office: New York City
United Box Board & Paper Co. (Straw Board), Office: New York City
QUINCY—American Straw Board Co., Office: Chicago, Ill.
ROCKFORD—Rockford Paper Box Board Co. (Straw, Chip, Jute & Combination Boards)
Rockford Paper Mills (Straw Board & Straw Wrapping)
ROCKTON—Coons, Fred M. (Carpet Lining & Deadening Felts)
TAYLORVILLE — E-Z Opener Bag Co. (Bag, Express & Manila)
VANDALIA—Ford Mfg. Co. (Roofing & Deadening Felt, Bottle Wrapper & Carpet Lining), Office: Chicago, Ill.

INDIANA.

ALBANY — Albany Paper Co. (Straw Board, Plain & Lined), Office: Phila., Pa.
ALEXANDRIA — Alexandria Paper Co. (Machine Finished Book & News)
ANDERSON—American Straw Board Co., Office: Chicago, Ill.
BROOKVILLE—*Thompson & Norris Co. (of Indiana) (Straw & Fibre Papers for Corrugating & Corrugated Paper & Bottle Packing), Office: Brooklyn, N. Y.
BROWNSTOWN—Brownstown Straw Board & Paper Co. (Boards, Express, Manila & Rag Wrapping)
CARTHAGE—United States Board & Paper Co. (Straw & Binders Board)
DELPHI—Dodge, Levi (Straw Board)
ELKHART — Elkhart Bristol Board & Paper Co. (Folding Box & Press Boards, White & Combination Boards, Tag, Document Bristols, Blanks, Silk Wrappers & Press Boards)
Elkhart Paper Mill Co. (Machine Finished & Super-Calendered Book & Tablet)
Valley Paper Co. (Greaseproof & Parchment)
EVANSVILLE—Funke's, Ferdinand Sons (Heavy Cloth, Mill Wrapper, Absorbent & Common Ham Wrapper & Feather Edge Fibre Wort)
HARTFORD CITY—Hartford City Paper Co. (Greaseproof Parchment, Parchmyn & Glassine)
Wayne Paper Mills (Rope & Express)
INDIANAPOLIS—Beveridge Paper Co. (White & Combination Boards, Bristols, Blanks & Silk Wrappers)
Xenia Board & Paper Co. (Manilla Lined & Colored Boards, Chip & News Board also Pasted Boards). Mills, Xenia, O.
KOKOMO—American Straw Board Co., Office: Chicago, Ill.
Knerr, Lewis Board & Paper Co. (Box Boards), Office: Cincinnati, O.
*Kokomo Paper Co. (Pulp Boards, Layer Folding Box & Chip Boards)
*Kokomo Wood Pulp Co. (Ground Wood)
LAFAYETTE—Lafayette Box Board Co. (Straw Board, Plain & Mill Lined Sheet)
MARION — Marion Paper Co. (Folding Box Board, News Boards, Filled & Sized Pulp Boards, Plain & Grained Jute Board & Colored Board)
Vieth's Paper Mills (Plain & Mill Lined Straw Board & Folding Box News Boards)
MOUNT VERNON—Mount Vernon Straw Board Co. (Plain & Lined Straw Board)
MUNCIE—Hinde & Dauch Paper Co. (Chip & Jute Board), Office: Sandusky, O.
United Box Board & Paper Co. (Straw Board), Office: New York City
NOBLESVILLE—American Straw Board Co. Office: Chicago, Ill.

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PORTER—Sall Mountain Asbestos Mfg. Co. (Asbestos Paper & Boards, etc.), Office: Chicago, Ill.
ROCKPORT—United Box Board & Paper Co. (See New York City
SOUTH BEND—La Salle Paper Co. (Express, Wrapping & Specialties)
TERRE HAUTE—Terre Haute Paper Co. (Corrugating, Tube & Egg Case Boards, Straw & Rag Wrapping), Office: Dayton, O.
VINCENNES—Empire Paper Co. (Straw Board, Lined & Plain), Office: Phila., Pa.
Vincennes Paper Co. (Plain & Mill Lined Straw Board)
WABASH — United Box Board & Paper Co. (Straw Board, Doubled Straw & Paper Stock Boards, Chip, Paper, Stock, News & Combination Boards & Coated Box Boards), Office: New York City

IOWA.

CLINTON—Clinton Paper Co. (Straw & Rag Wrapping)
Union Roofing & Mfg. Co. (Roofing & Deadening Felt), Office: St. Paul, Minn.
FORT MADISON—Brown Paper Co. (Straw & Rag Wrapping)
TAMA — National Paper Mills & Filler Co. (Straw Board)
WATERLOO — Waterloo Paper Co. (Straw Board & Wrapping)

KANSAS.

COFFEYVILLE—North Star Mfg. Co. (Straw Board & Egg Cases)
INDEPENDENCE — Independence Paper Co. (Straw Board, Egg Cases & Egg Case Fillers)
LAWRENCE—Lawrence Paper Mfg. Co. (Straw Wrapping, Board & Corrugated Packing)

LOUISIANA.

BRAITHWAITE — United Railway & Trading Co. (Ltd.) (Wrapping), Office: New Orleans, La.

MAINE.

AUBURN—Auburn Leather Board Supply Co. (Leather Board)
AUGUSTA — *Cushnoc Paper Co. (Envelope Manila, Bag & Sack, Manila Wrapping, Yellow Writing, Laid & Wove, White Sulphite Papers, etc.)
BANGOR—*Orona Pulp & Paper Co. (Bag, Coating, Manila, Envelope, Sulphite Fibre). Mills, Orona, Me.
BELFAST—Sherman & Co. (Leather Board)
BENTON FALLS—United Box Board & Paper Co. (Jute, Board & Wood Pulp Board), Office: New York City
CHISHOLM—*International Paper Co., Office: New York City
CUMBERLAND MILLS—*Warren, S. D. & Co. (Book & Coated Paper & Soda Fibre), Office: Boston, Mass.
DAMARISCOTTA MILLS—Centrifugal Leather Co. (Leatherboard), Office: Portland, Me.
EAST POLAND — National Fibre Board Co. (Fibre Board & Horn Fibre), Office: Boston, Mass.
EAST MILLINOCKETT—*Great Northern Paper Co. (Ground Wood & Sulphate Fibre)
FAIRFIELD—United Box Board & Paper Co. (Ground Wood), Office: New York City
GARDINER — *Hollingsworth & Whitney Co. (Manila, Writing & Railroad Manila & Ticket, Parchment, Waxed Manilas, Linings & Packers), Office: Boston, Mass.
*Warren, S. D. & Co. (Machine-Finished & Super-Calendered Book), Office: Boston, Mass.
GREAT WORKS—*Penobscott Chemical Fibre Co. (Soda Fibre), Office: Boston, Mass.
HOWLAND—*Howland Pulp & Paper Co. (Sulphite Fibre)
JAY—*International Paper Co. (Ground Wood), Office: New York City
KENNEBUNK—Leatheroid Mfg. Co.
National Fibre Board Co. (Leather & Fibre Board), Office: Boston, Mass.
LINCOLN—*Katahdin Pulp & Paper Co. (Sulphite Fibre), Office: Claremont, N. H.
LISBON FALLS—Lisbon Falls Fibre Co. (Sulphite Fibre), Office: Brunswick, Me.
LIVERMORE FALLS — *International Paper Co. (Pulp Boards & Mill Wrappers & Ground Wood), Office: New York City
MADISON—*Great Northern Paper Co. (News & Manila Paper & Sulphite Fibre & Ground Wood), Office: New York City
MECHANIC FALLS—Poland Paper Co. (Book, Writing & Lithograph)
MILLINOCKET — *Great Northern Paper Co. (News, also Ground Wood), Office: New York City
MONTAGUE—*International Paper Co. (Ground Wood), Office: New York City
NORTH ANSON — *American Pulp Paper & Lumber Co. (Ground Wood)
NEWHALL—*du Pont, E. I. de Nemours Powder Co. (Ground Wood Flour), Office: Wilmington, Del.
OLDTOWN — *Nekonegan Paper Co. (Ground Wood)
ORONO—*International Paper Co. (News, also Ground Wood), Office: New York City
*Orono Pulp & Paper Co. (Bag, Coating, Manila & Envelope, also Sulphite Fibre), Office: Bangor, Me.
PORTLAND—Berlin Mills Co. (News Paper, Sulphite Fibre, etc.)
*Burgess Sulphite Fibre Co. (Bleached & Unbleached Sulphate Fibre). Mills, Berlin, N. H.
*Dalton Paper Mills (News & Ground Wood Pulp). Mills, Fitzdale, Vt.
*Oxford Paper Co. (Machine Finished & Super-Calendered Book, Lithograph, Postal Cards, Varnish Label & Surface Coating; also Soda & Sulphite Fibre). Mills, Rumford Falls, Me.
RILEY — *International Paper Co. (Ground Wood), Office: New York City
RUMFORD FALLS—*International Paper Co. (News, Manila, Bag, also Ground Wood & Sulphite Fibre), Office: New York City
*Oxford Paper Co. (Machine Finished & Super-Calendered Book, Lithograph, Postal Cards, Varnish Label & Surface Coating, also Soda & Sulphite Fibre), Office: Portland, Me.
SHAWMUT — *Shawmut Mfg. Co. (Ground Wood)
SKOWHEGAN—*Riverside Pulp Co. (Ground Wood)
*Skowhegan Pulp Co. (Ground Wood)
SOLON — International Paper Co. (Ground Wood), Office: New York City
SOUTH BREWER—*Eastern Mfg. Co. (Ledger, Writing & Envelope, also Sulphite Fibre & Ground Wood), Office: Bangor, Me.
SOUTH GARDINER—*International Paper Co. (Sulphite Fibre), Office: New York City
SOUTH WINDHAM—*Androscoggin Pulp Co. (Wood Pulp Board, also Ground Wood), Office: Boston, Mass.
WINSLOW — *Hollingsworth & Whitney Co. (Manila Fibre & Waxed Manilas, Linings & Packers, Railroad Manila & Ticket, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.
WOODLAND (Washington County)—*St. Croix Paper Co. (News, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.
YARMOUTHVILLE — Warren, S. D. & Co. (Soda Fibre), Office: Boston, Mass.

MARYLAND.

BENTLEYS SPRINGS—Young, Dan'l & J. B. (Roofing & Rag Wrapping)
Young, Jos. W. Valley Mill (Straw Wrapping)
CHESTERTOWN—American Straw Board Co. (Straw Board, Plain, Mill Lined & Sheet Lined), Office: Chicago, Ill.
CHILDS—Garrett, O. S. & Son Co. (Hanging), Office: Phila., Pa.
ELKTON—*Kenmore Pulp & Paper Co. (Book & Writing, Laid Papers, also Soda Fibre). Office: Phila., Pa.
FREELAND—Gore, Howard M. (Manila & Rag Wrapping)
HAGERSTOWN — Antietam Paper Co. (Machine Finished & Super-Calendered Book)
LEEDS—Harlan & Bro. (Binders Board)
ROWLANDSVILLE — West, Wm. T. & Co. (Roofing, Deadening & Dry Saturating Felt)
SINGERLY — Carter, Chas. L. Cecil Paper Mills (Binders, Leather & Trunk Boards)

MASSACHUSETTS.

ADAMS — Berkshire Hills Paper Co. (Bond, Ledger & Linen)
Brown, L. L. Paper Co. (Linen Ledger & Record, Merchant & Bankers Ledgers)
BANCROFT—Bulkley, Dunton & Co. (Bancroft Mills, also Union Mills), Office: New York City
BOSTON—Crehore, Chas. F. & Sons (Press Boards & Jacquard Cards)
Groton Leather Board Co. (Heating & Counter Boards). Mills, W. Groton, Mass.
Hollingsworth & Vose Co. (Bed Rope Roofing & Insulating; All & Part Rope Tag, Pattern Box Stay, Flourt & Cement Sack & Specialties)
*Hollingsworth & Whitney Co. (Manila, Writing & Railroad Manila & Ticket Parchment, Waxed Manilas, Lining & Packers, Manila Fibre, Sulphite Fibre & Ground Wood). Mills, Gardiner, Me., & Winslow, Me.
Middleton Paper Mills (Coating, Hanging, Bogus & Specialties). Mills, Middleton, Mass.
Munroe Felt & Paper Co. (Roofing Carpet Lining & Ingrain Hanging). Mills, Lawrence, Mass.
National Fibre Board Co. (Fibre & Leather Board & Horn Fibre). Mills, East Poland, Me., Kennebunk, Me., & Lawrence, Mass.
Penobscott Chemical Fibre Co. (Soda Fibre). Mills, Great Works, Me.
*St. Croix Paper Co. (News, Sulphite Fibre & Ground Wood). Mills, Woodland, Me.
Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate). Mills, Hyde Park, Mass.
*Warren, S. D. & Co. (Book & Coated Paper, Soda Fibre, Machine Finished & Super-Calendered Book). Mills, Cumberland Mills, Me., & Gardiner, Me.
Wheelwright, Geo. W. Paper Co. (Coating & Book, Bristol Boards, White & Tinted Blanks, Music, etc.). Mills, Fitchburg, Mass., North Leominster, Mass., & Wheelwright, Mass.
BRIDGEWATER—Jenkins, Geo. O. (Leather Board), Office: Whitman, Mass.
CHARLES RIVER—Waban Paper Co. (Rope Board for Electrical Insulation)
CHELSEA — CABOT, SAMUEL (Inc.) ("Cabot's" Sheathing & Deafening Quilt). Office, Boston, Mass. (See adv. index, end of book)
DALTON—Crane, Z. & W. M. (Extra Fine Writing)
Crane & Co. (Bank Note, Parchment & Bond)
Old Berkshire Mills Co. (Z. & W. Murray Crane, Props.) (Superfine Writings & Bristol Board)
Weston, Byron Co. (Linen Ledger & Record)
EAST PEPPERELL—See Pepperell
EAST WALPOLE—Bird, F. W. & Son (Roofing, Building, Sheathing, Hardware, Wrapping, Insulating & Special Waterproof Papers)
FARLEY—*Farley Paper Co. (Colored Bristol & Card Middles, also Ground Wood)
FITCHBURG—Crocker, Burbank & Co. (Book, Bristol Board, Card, Blotting & Writing)
Falulah Paper Co. (Mill Blanks)
Fitchburg Paper Co.—Rodney Wallace, Firm Name—(Card, Coating, Book & No. 1 Hanging)
Wheelwright, Geo. W. Paper Co. (Coating Paper), Office: Boston, Mass.
HAVERHILL—Haverhill Box Board Co. (Box Boards)
HOLYOKE — American Writing Paper Co. (Book, Envelope, Writing, Wedding Folios, Calender & High Plate Finish. Bond, Linen & Ledger, Government Bond & Record Ledger, Colored Mediums, Drawing & Mimeograph, White & Colored Bristols)
Chemical Paper Co. (Tub-Sized Writing. Envelope, Papeterie, Bonds, Linens. Folding Box Boards, Silk Boards, Detail Drawing & Cover)
Crocker-McElwain Co. (Writings, Ledgers, Bonds, & Card Index Bristols)
Franklin Paper Co. (White & Colored Bristol Boards, White Blanks & Index Bristols)
Japanese Tissue Mills (Crystal Crepe & Decorating Paper, Paper Napkins & Fancy Decorated Tissues)
Newton Paper Co. (Sheathing, Deadening Felt, Wool Felt, Heavy Wrappers. Jute & Rope Manila & Specialties. Corrugated Blue Carpet Lining Felt)
Parsons Paper Co. (Bonds, Ledgers, Bristols & Linens)

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Pope Paper Co. (Tissue & Light Weight Papers)
Stony Brook Paper Co. (Commercial Black Papers & Specialties). Mills, South Hadley, Mass.
Taylor-Burt Co. (Book, Cover, Bond, Envelope, Papeterie, Vellum & Special Finish Papers)
Valley Paper Co. (Bonds, Linens, Ledgers Photographic Papers)
Whiting Paper Co. (Writing)
Whitmore Mfg. Co. (Surface Coated, Enameled Covers & Cardboard)
HOUSATONIC—Rising, B. D. Paper Co. (Bond, Linen & Ledgers, Wedding & Index Bristols)
HUNTINGTON—American Writing Paper Co. (Writing), Office: Holyoke, Mass.
HYDE PARK—Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate), Office: Boston, Mass.
LAWRENCE—Champion-International Co. (Soda & Sulphite Fibre)
Merrimac Paper Co. (Super-Calendered & Machine Finished & Enameled Book, Coated & Uncoated Lithograph, Writing, Music & Envelope)
Munroe Felt & Paper Co. (Roofing, Carpet Lining & Ingrain Hanging), Office: Boston, Mass.
National Fibre Board Co. (Leather Board), Office: Boston, Mass.
LEE — American Writing Paper Co. (Blotting & Card), Office: Holyoke, Mass.
Eaton, Dikeman Co. (Blotting & All Grades of Absorbent Papers)
Mountain Mill Paper Co. (High Grade Ledgers & Specialties)
Smith Paper Co. (Copying, Silver, Roll, Colored, Condenser, Typewriter, Wrapping & Carbon Tissues)
LOUDVILLE — Loudville Leather Board Co. (Sole Leather Heeling, Inner Sole & Counter Board)
MIDDLETON — Middleton Paper Mills (Coating, Hanging, Bogus & Specialties), Office: Boston, Mass.
MILLERS FALLS—Millers Falls Paper Co. (Book, Cover, Index Bristol, Bond & Tinted Superfines)
MITTINEAGUE—American Writing Paper Co. (Writing, Bond, Russian Linen Ledger & Wedding Board). Office: Holyoke, Mass.
Mittineague Paper Co. (Bond, Book, Cover, Drawing Paper & Board, Wedding, Photographic Paper & Board, Box Cover Paper & Board)
Southworth Co. (Bonds, Linens, Ledgers & Folded Papers)
Worthy Paper Co. (Bond, Ledger, Linen, Fine, Superfine, Pasted Wedding Board & Fancy Covers, Deckle Edged)
MONROE BRIDGE—*Ramage, Jas. Paper Co. (White & Colored Manila Bristol, Manila Tag Board, Duplex Board, Cover & Colored Specialties, also Ground Wood)
MOUNT TOM—*Mount Tom Sulphite Pulp Co. (Bleached Sulphite Fibre)
NEW BEDFORD—Pairpoint Corporation (Straw Board, Heavy Baling & Case Lining Papers)
NEWTON LOWER FALLS—Crehore, Chas. F. & Son (Press Board & Jacquard Cards), Office: Boston, Mass.
NORTH DIGHTON—Lincoln, L. & CO. (Manila, Sheathing, Tack & Tailors' Pattern)
NORTH LEOMINSTER—Wheelwright, Geo. W. Paper Co. (Bristol Boards, White & Tinted Blanks, Coating & Book), Office: Boston, Mass.
NORTH WILBRAHAM — Collins Mfg. Co. (Writing)
OTTER RIVER—Otter River Board Co. (Binders & Trunk Boards)
PEPPERELL—Nashua River Paper Co. (Book, Lithograph, Coating & Writing)
Parker, H. A. & Co. (Mill Wrappers & Sheathing)
RUSSELL—Chapin & Gould Paper Co. (Bond, Ledger & Writing), Office: Springfield, Mass.
SOUTH HADLEY — Japanese Tissue Mills (Fancy Colored Tissues, Crystals, Crepe Decorating Papers), Office: Holyoke, Mass.
Stony Brook Paper Co. (Cimmerian Black Papers & Specialties), Office: Holyoke, Mass.
SOUTH HADLEY FALLS — Carew Mfg. Co. (Ledgers, Bonds, Linens & Typewriter Papers)
Hampshire Paper Co. (Bonds Only)
SOUTH LEE—American Writings Paper Co. (Writing), Office: Holyoke, Mass.
TOWNSEND HARBOR—Spaulding, J. & Sons Co. (Fibre Boards), Office: North Rochester, N. H.
TURNERS FALLS — Esleek Mfg. Co. (Onion Skin, Manifolding Typewriter, Bond & Linens)
International Paper Co. (High Grade Cotton Waste, News, also Ground Wood), Office: New York City
Keith Paper Co. (Writing, Bond, Ledger, Wedding Bristols & Specialties)
WALPOLE—Hollingsworth & Vose Co. (Insulating Rope, Tag, Pattern, Box Stay, Flour & Cement Sack), Office: Boston, Mass.
WATERTOWN—Union Bag & Paper Co. (Bag & Manila), Office: New York City
WEST DUDLEY—West Dudley Paper Mills Co. (Manila, Lining, Bogus & Specialties)
WESTFIELD — Crane Bros. (Linen Ledger, Linen Writing, Linenoid Goods)
WEST GROTON—Groton Leather Board Co. (Heeling & Counter Board), Office: Boston, Mass.
Hollingsworth & Vose Co. (Red Rope Roofing & Insulating, All & Part Rope Tag Pattern, Box Stay, Flour & Cement Sack & Specialties), Office: Boston, Mass.
WHEELWRIGHT—Wheelwright, Geo. W. Paper Co. (Book Coating & Music), Office: Boston, Mass.
WHITMAN—Jenkins, Geo. O. (Leather Board)
WORONOCO—Woronoco Paper Co. (Bond, Ledger, Superfine, Wedding, Pasted Bristol & Typewriter)

MICHIGAN.

ALLEGAN—*Dayton Folding Box Co. (Straw & Rag Wrapping, Lining & Combination Boards), Office: Cincinnati, O.
ALPENA—*Fletcher Paper Co. (Fibre, Bag & Manila, also Sulphite Fibre, Ground Wood)
CAPAC—American Peat Paper Co. (Plain & Lined Box Boards Made of Peat)
CHEBOYGAN—*Cheboygan Paper Co. (News, also Ground Wood & Sulphite Fibre)
CONSTANTINE—Constantine Board & Paper Co. (Express, Fibre, Ham & Box Board)
DETROIT — *Detroit Sulphite Pulp & Paper Co. (High Grade Envelope, Wrapping, Document Manila, Tag Board, Bristols, Cover & Specialties, also Sulphite Fibre)
*Michigan Sulphite Fibre Co. ("Mitscherlich," Process Sulphite Fibre). Mills, Port Huron, Mich.
JACKSON—Michigan Bag & Paper Co. (Bag Paper & "Ever-ready," Quick Opening Bags & Satchel Bottom & Square Bags)
KALAMAZOO — Bryant Paper Co. (Machine Finished & Super-Calendered Book, Map, Lithograph, Label, Music, Folder, Drawing, Rag & Wood Envelope, Tinted Laid Flats & Tub Engine-Sized Writings, French Folio & Specialties)
Kalamazoo Paper Co. (Map, Writing, Envelope, Bond, Card & Coating, Book, Lithograph & Colored & Laid Flats)
King Paper Co. (Book, Folder, Label, Lithograph, Map, Envelope & Writing)
Monarch Paper Co. (Machine Finished & Super-Calendered Book, Lithograph, Card, Coating, Folders & Tablet)
Standard Paper Co. (Card Middles & Box Boards)
MENOMINEE—Marinette & Menominee Paper Co. (See Marinette, Wis.
MONROE—Boehme & Rauch Co. (Patent Coated & Combination Box Boards)
Monroe Binder Board Co. (Binders, Buggy & Backing Board)
Monroe Paper Co. (Straw, Rag, Wrapping & Lining Papers)
MUNISING—*Munising Paper Co. (High Grade Sulphite Fibre & Specialties)
MUSKEGON—*Central Paper Co. (Fibre Manila, also Sulphite Fibre)
NILES—*French Paper Co. (Super-Calendered & Machine Finished Book)
*Niles Board & Paper Co. (Straw, Chip, Manila Lined & Colored Board, also Ground Wood)
OTSEGO—Babcock Tissue Paper Co. (Tissue Papers)
Bardeen Paper Co. (Book, Blotting, Cover, French Folio, Matrix, Map, Poster & Writing, Label, Ticket, Bible, Drug, Mimeograph, Parchment, Railroad Manila, Music, Paraffine, Coupon & Rag Papers, Felts, Ham, Express & Mill Wrappers)
Mac-Sim-Bar Paper Co. (Bristols, Sign Board, Saturating, Roofing & Deadening Felts, Card Middles, Document, Plain & Coated Box Boards, Plain & Duplex Bag, Tough Check, Rope & Fibre Papers, Cap, Wool, Building, Mill Wrappers, Corrugated Carpet Lining, Bottle Wrappers)
Otsego Coated Paper Co. (Coated Papers, Paraffine Paper Co. etc.)
PALMYRA—Mitchell & Son (Rag Wrapping, Sheathing & Mill Wrappers)
PETOSKEY—*Petoskey Fibre Paper Co. (No. 1 Fibre & Bag, also Sulphite Fibre)
PLAINWELL—Michigan Paper Co. (Machine Finished Book, White & Colored French Folio, Catalogue, Pattern & Non Fading Poster)
PORT HURON—*Michigan Sulphite Fibre Co. ("Mitscherlich" Process Sulphite Fibre), Office: Detroit, Mich.
ROCHESTER—Barnes Paper Co. (Book, News, Tobacco & Wrapping)
ST. JOSEPH—Mullen Bros. Paper Co. Building & Specialties)
THREE RIVERS—Eddy Paper Co. (Card Middles, Bristols, Bogus Bristols, Bag & Specialties)
VICKSBURG—Lee Paper Co. (Bond, Ledger, Envelope, Plated & Linen Loft-Dried Papers)
YPSILANTI — Peninsular Paper Co. (Bond, Cover, Flats & Specialties)

MINNESOTA.

CLEARWATER — *Clearwater Pulp Co. (Pulp Board)
CLOQUET — *Northwest Paper Co. (News & Manila, also Ground Wood)
GRAND RAPIDS—*Itasca Paper Co. (News, also Ground Wood)
LITTLE FALLS—*Hennepin Paper Co. (News Manila, also Ground Wood), Office: Minneapolis, Minn
MINNEAPOLIS—Nelson Paper Co. (Building & Roofing)
MINNEAPOLIS—*Hennepin Paper Co. (News, Manila & Ground Wood). Mills, Little Falls, Minn.
Nelson Paper Co. (Building & Roofing)
ST. PAUL—Union Roofing & Mfg. Co. (Roofing & Deadening Felt). Mills, Clinton, Iowa
SARTELL—*Watab Paper & Pulp Co. (News, also Ground Wood)
WINONA—Union Fibre Co. (Degunned Flax Fibre & Mineral Wool Boards, Insulators, Building Sheathing, etc.)

MISSOURI.

KANSAS CITY—Star Paper Mill Co. (News)

MONTANA.

MANHATTAN—King & Largey Paper Mill Co. (Building & Wrapping)

NEBRASKA.

LINCOLN—Western Paper Mills Co. (Butchers' Manila & Straw Wrapping)

NEW HAMPSHIRE.

ASHLAND — Ashland Leather Board Co. (Veneer Leather Board), Office: Boston, Mass.
Continental Paper Bag Co. (Toilet Papers), Office: New York City
International Paper Co., Office: New York City
BATH—Cushman & Rankin Co. (Fibre Leather Board)
BENNINGTON—Monadnock Paper Mills (Machine Finished & Super-Calendered Book, English Finish, Music, Lithographic, Envelope & Coating)
BERLIN — *Berlin Mills Co. (News, also Ground Wood & Sulphite Fibre)
*Burgess Sulphite Fibre Co. (Bleached & Unbleached Sulphite Fibre), Office: Portland, Me.
International Paper Co. (News & Card Middles), Office: New York City
BRISTOL—*Mason-Perkins Paper Co. (News, Colored Poster & Box Lining, also Ground Wood)
CLAREMONT — Claremont Paper Co. (Drawing, Super-Coating, Book, Manila)
*Katahdin Pulp & Paper Co. (Sulphite Fibre). Mills, Lincoln, Me.
EAST TILTON—*East Tilton Pulp Co. (Leather Fibre Boards)

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FRANKLIN—*International Paper Co. (News, No. 2 Book, Manila Specialties, also Ground Wood), Office: New York City
GROVETON—*Odell Mfg. Co. (Fibre & Manila, also Sulphite Fibre)
HINSDALE—Ashuelot Paper Co. (Tissue, Yellow Copying & High Grade Tissues)
Fisk Paper Co. (White & Manila Tissue & Toilet Papers)
Robertson Bros. (Tissue Manila in Rolls)
Robertson, E. C. & Son (Aseptic Papers, Tissue Manila, White & Colored Tissue in Rolls & Large Sheets)
Robertson, G. A. & Co. (Tissue Manila & Toilet, Rolls & Large Sheets)
LINCOLN — *Henry, J. E. & Sons Co. (Sulphite Fibre)
Henry Paper Co. (Sulphite Bag, Manila & Envelope)
MANCHESTER — Amoskeag Paper Mills Co. (Book Paper)
MILTON—Milton Leather Board Co. (Leather Board)
Salmon River Paper Co. (High Grade Patent White & Colors, Single & Double Lined Manilas for Lithographic Work & Clay Coating)
NORTH ROCHESTER—Spaulding, J. & Sons Co. (Fibre Boards). Mills, Townsend Harbor, Mass.
PLYMOUTH—*Publishers' Paper Co. (Manilas, also Ground Wood & Sulphite Fibre)
SUNAPEE—*Emerson Paper Co. (Book Paper, also Ground Wood)
WADLEYS FALLS—Lee Fibre Co. (Leather & Fibre Boards)
WEST CLAREMONT—Coy Paper Co. (Tissue Manila)
Jarvis Paper Mills (Russell Jarvis, Prop.) (Pattern Tissue, All Rag Toilet, Sheets Jumbo Rolls), Office: Claremont, N. H.
WEST HENNIKER—Contoocook Valley Paper Co. (Book, Card & Specialties in Strong Papers)
WEST HOPKINTON—Davis Paper Co.

NEW JERSEY.

BLOOMFIELD—Davey, E. H. Co. (Trunk, Binders & Friction Boards, High Grade Tar Boards)
Diamond Mills Paper Co. (Copying, Carbon, Cigarette & Tissues), Office: New York City
BOGOTA—American Paper Co. (Paper, Paper Board & Specialties, Binders, Leather Trunk & Friction Boards)
Traders' Paper Board Co. (Box & Lithograph Boards, Card Middles & Coating Boards)
BOONTON — Field & White Co. (Roofing & Deadening Felts), Office: New York City
National Metal Molding Co. (Paper for Insulating Purposes), Office, Pittsburg, Pa.
BUTLER—Pequannock Valley Paper Co. (Tissue Manila)
CAMDEN—West Jersey Paper Mfg. Co. (Rope Manilas, All Grades)
ELIZABETH — Barrett Mfg. Co. (Roofing & Building)
GARFIELD—Hammerschlag Mfg. Co. (Waxed Papers & Tissues, Entire Product Consumed in Their Own Factory), Office: New York City
GLOUCESTER—Gloucester Paper Co. (Building, Roofing, Sheathing & Wrapping Papers), Office: Phila., Pa.
HAMBURG—Union Waxed & Parchment Paper Co. (Tissue & Waxed Papers)
HOBOKEN—Hinde & Dauch Paper Co. (Rag, Jute, Chip & Corrugated Paper), Office: Sandusky, O.
Hoboken Paper Mill Co. (Lining, Manila, Building & Specialties)
JERSEY CITY—Davey, W. O. & Sons (Binders, Friction & Trunk Board)
Jersey City Paper Co. (White & Colored Tissues)
Leo, Jas. Co. (Chip & Combination Box Boards)
Reynolds, Boyle Co. (News & Straw Board)
LAMBERTVILLE — Gandy, Wm. H. (Tissue Manila & Copying)
Lambertville Paper Co. (Anti-Tarnish Tissue, Yellow, Railroad Copying & Jute Manila Tissue)
Mann, Wm. Co. (Railroad Copying & Manifold Papers), Office: Phila., Pa.
LITTLE FERRY — Little Ferry Paper Co. Deadening & Saturating Felts)
MILLBURN—Diamond Mills Paper Co. (Cigarette, Pattern, Copying & Tissue), Office: New York City
Fandango Mills (Binders Boards)
MORRISTOWN—Muir, Jas. A. (Straw Board. Binders & Leather Board)
NEWARK—Albey Bros. (Binders, Box, Button & Trunk Board)
Downs-Plum Co. (Box Board)
Waverly Paper Box Board Co. (Box Boards)
NUTLEY—La Monte, Geo. & Son (Inc.) (Safety Papers & Specialties, Bankers' Safety. Railroad Ticket, Writings & Animal-Sized Papers in Rolls, Quadrille)
White Spring Paper Co. (White Tissue)
PASSAIC — Clifton Paper Mills (Inc.) (Box Boards)
PLEASANT MILLS—Pleasant Mills Paper Co. (Rope Manila), Office: Phila., Pa.
RIEGELSVILLE — Warren Mfg. Co. (Manila, Jute & Rope, Rope Bristol in 15 Colors), Office: New York City
SCOTCH PLAINS — Seeley Paper Mills Co. (Binders, Friction & Pattern Boards)
WANAQUE—Wanaque River Paper Co. (Super-Calendered & Machine Finished Book), Office: New York City
WHIPPANY — McEwan Bros. (News & Folding Paper Box Boards)
United Box Board & Paper Co. (Patent News Board & Chipped Board), Office: New York City

NEW YORK.

AMSTERDAM—Smeallie, P. H. & Co. (News & Chipped Board)
ANCRAM — Ancram Paper Mill (White, Colored, Manila & Anti-Rust Tissue & Specialties in Tissue), Office: New York City)
AUSABLE CHASM — Estes, Herbert (Heavy Sulphite Screening & Wrapping)
AUSABLE FORKS—*Rogers, J. & J. Co. (Bag, Envelope, Hardware & Manila, also Sulphite Fibre)
BALLSTON SPA—*Ballston Pulp & Paper Co. (Manilla, Tissue, Light Weight Papers, Roll & Package Toilet a Specialty)
National Folding Box & Paper Co. (Manila, Board & Single & Double Lined Chip Box Board), Office: New Haven, Conn.
*Union Bag & Paper Co. (Bag & Manila, also Sulphite Fibre), Office: New York City
BATTENVILLE — Phoenix Paper Co. (White & Manila Tissue Sheets & Jumbo Rolls), Office: Greenwich, N. Y.
BEAVER FALLS—*Lewis, J. P. Co. (Manila, Jute & Combination Boards, also Ground Wood)
*Lewis, Slocum & Lefevre (Ground Wood)
Lewis & Slocum (Wood Pulp & Sulphite Boards in Natural Colors & Tints & Milk Bottle Cap Stock)
BLACK RIVER—Jefferson Board Mills (Pulp Boards)
Jefferson Paper Co. (Manila, Waterproof Butchers' Manila, Hanging, Wax Papers, etc., also Ground Wood)
*Jefferson Power Co. (Hanging, Sulphite Fibre & Ground Wood)
BLOSSVALE—Blossvale Paper Co. (White & Manila Tissue)
BRAINARD — Barnes, W. D. (Chip, White Lined Boards & Mixed Paper Stock Boards)
BROWNVILLE — *Brownville Board Co. (Tag Board, Document & Manila & Manila Folding Box Boards, also Ground Wood)
*Brownville Paper Co. (Railroad Manila, Colored Poster, Glazed Fibre & Colored Specialties, also Ground Wood)
*Harmon Paper Co. (Book, News, Manila & Colored Specialties, also Ground Wood)
CANAAN—Queechy Paper Co. (Straw Cigarette, Straw Wrapping, Tobacco Pulp & Tissue)
CARTHAGE — *Carthage Sulphite Pulp Co. (Sulphite Fibre)
*Carthage Tissue Paper Mills (Manila, White & Colored Tissue & Toilet Paper, Packages & Rolls)
*Champion Paper Co. (Manila, also Ground Wood)
*Empire Sulphite Pulp Co. (Sulphite Fibre)
*Island Paper Co. (Manila, Bag & Dry Fibre, also Ground Wood)
Leray Paper Co. (Tag. Wrapping Screening & Heavy Weight Papers)
*West End Paper Co. (News)
CASTLETON—Fort Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards. Featherweight Textile Boards), Office: New York City
Ingalls & Co. (Binders, Friction, Trunk, Wagon, Pattern, Leather & Album Board)
CHATEAUGAY—*Chateaugay Pulp Co. (Ground Wood)
*High Falls Pulp & Paper Co. (News, Hanging, also Ground Wood)
CHATHAM—Stony Brook Box Board Mills (Box Boards)
CHATHAM CENTER—Columbia Mills (Straw Wrapping & Bogus)
CLAYVILLE — Clayville Paper Co. (Manila, White & Colored Tissues), Office: Syracuse, N. Y.
COHOES — *Gilbert & Bell (Ground Wood), Office: Waterford, N. Y.
Leversee & Snyder Mfg. Co. (Chip Boards)
DANSVILLE — Dansville Paper Mill (J. H. McNairn, Prop.) (White & Colored Tissues), Office: Toronto, Canada
DE FERIET — *St. Regis Paper Co. (News, also Ground Wood & Sulphite Fibre), Office: Watertown, N. Y.
DEXTER—*Dexter Sulphite Pulp & Paper Co. (Fibre Wrapping & Bag Papers, also "Mitscherlich" Sulphite Fibre & Ground Wood)
*Jefferson Power Co. (Hanging, also Ground Wood), Office: Black River, N. Y.
FALLSBURG — Lefevre, Edw. Y. (Cloth Lined Tissue, Crinkled & Light Weight Manila)
FAYETTEVILLE — Lawless Paper Co. (Manila & Tissue), Office: Rochester, N. Y.
FELTS MILLS—*Taggarts Paper Co. (News & Colored Poster & No. 2 Manila, also Ground Wood), Office: Watertown, N. Y.
FORESTPORT — *Pennington, A. R. & Co. (Ground Wood)
FORT ANN—*Kanes Falls Pulp Co. (Ground Wood)
FORT MILLER—*Fort Miller Pulp & Paper Co. (Hanging, also Ground Wood)
FORT PLAIN — Wood & Nellis (Air-Dried Straw Board)
Yoran, Levi (Air-Dried Straw Board)
FULTON—*Battle Island Paper Co. (Sulphite Fibre)
Eureka Paper Co. (Rope, Fibre, Express, Manila & Saturating & Specialties)
*Fulton Paper Co. (Ground Wood)
Granby Paper Co. (Light Weight Manilas, News & white Lining)
*Oswego Falls Pulp & Paper Co. (News, Hanging, Wood Pulp & Combination Board)
Victoria Paper Mills Co. (Cotton Sampling, Fruit Wrapping, Leather Board, Manila, Rope, Sack, Tissue, Tissue Manila, Flour & Nail Sacks & Sugar Bags)
Volney Paper Co. (Saturated Felts)
GLENS FALLS — *International Paper Co. (News & Hanging, also Ground Wood), Office: New York City
*Finch, Pruyn & Co. (Inc.) (News & Half-Tone, also Ground Wood)
GOUVERNEUR — *Aldrich Paper Co. (Wood Pulp), Office: Watertown, N. Y.
Continental Paper Bag Co. (High Grade White, Colored & Manila Tissues), Office: New York City
GREAT BEND—*Taggarts Paper Co. (Hanging & Tablet), Office: Watertown, N. Y.
GREENWICH—*Blandy Paper Co. (Tag, Manila & Special Papers for Glazed Paper & Cardboard), Office: Schuylerville, N. Y.
*Mohican Pulp & Paper Co. (Ground Wood). Mills, Mellenville, N. Y.
HADLEY—*Union Bag & Paper Co. (Bag & Manila, also Ground Wood), Office: New York City
HANNAWA FALLS—*Hannawa Falls Water Power Co. (Ground Wood)
HARRISVILLE—*Diana Paper Co. (Tissue & Light Weight Colored, also Ground Wood)
HERKIMER—International Paper Co. (News, Manila & Fibre Papers), Office: New York City
HERRING — Jefferson Board Mills Co. (Box, Tag & Wood Pulp Board), Office: Black River, N. Y.
*Jefferson Power Co. (Sulphite Fibre), Office: Black River, N. Y.
HINCKLEY — *Hinckley Fibre Co. (Sulphite Fibre)
HEWITTVILLE—*Racquette River Paper Co. (Ground Wood)
HONEOYE FALLS — Parry, Sam'l R. Paper Stock & News Board)
ITHACA—Ithaca Paper Co. (Building & Wrapping)
JOHNSONVILLE—Sprague, Watson N. (Heeling Board)
LESTERSHIRE — Endicott-Johnson Co. Manufacture Leather Board for Their Own Use)

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LITTLE FALLS—Hoffman Paper Co. (White & Manila Tissue & Toilet Paper)
Kingston's, Wm. Son (Roofing, Dry, Saturating & Deadening Felts, Building & Carpet Linings)
Little Falls Paper Co. (Tissue & Tissue Manila), Office: Newburgh, N. Y.
LOCKPORT—*Cascade Wood Pulp Co. (Ground Wood)
Lockport Paper Co. (Roofing, Deadening, Sheathing & Heavy Wrapping)
*United Box Board & Paper Co. (Manila, Coated & Combination Boards, Card Middles & Specialties), Office: New York City
*United Indurated Fibre Co. (of N. J.) (Indurated Ware & Ground Wood)
LYONSDALE—Ager, C. Leonard J. (Straw & Shivy Fibre)
*Moyer & Pratt (Manila & Fibre, also Ground Wood)
LYONS FALLS—Gould Paper Co. (News, No. 2 Manila, also Sulphite Fibre & Ground Wood)
*International Paper Co. (Ground Wood), Office: New York City
MALONE — *Malone Paper Co. (News, also Ground Wood)
MARCELLUS FALLS — Onondaga Paper Co. (Screening, Express, Fibre, Manila & White Tissue, Colored Specialties)
Marcellus Paper Co. (Express, Screenings, Mill Wrappers & Hardware), Office: Syracuse, N. Y.
MASSENA — Indestructible Fibre Co. (Fibre Boards), Office: New York City
McKEEVER—See Thomson, N. Y.
MECHANICSVILLE — *West Virginia Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Lithograph & Varnish Label, also Bleached Soda & Sulphite Fibre), Office: New York City
MELLENVILLE—Berkshire Box & Paper Co. (Box Board, Wrapper, Card Middles, Lined & Unlined Folding Box Board)
*Mohican Pulp & Paper Co. (See Greenwich, N. Y.)
Vogel, J. F. (Light Bogus, Groceres' & Butchers' Manila)
MIDDLE FALLS—Bosson Mfg. Co. (Leather & Fibre Board)
*Stevens & Thompson Paper Co. (Tissue & Manila Tissue, also Ground Wood)
MONTEZUMA — Montezuma Fibre Co. (Air-Dried Board Made from Flag)
MUMFORD—Gardner, L. H. Paper Co. (Manila Tissue & Toilet)
NAPANOCH—Frost & Sons Paper Co. (No. 1 White & Jute Tissues)
Napanoch Mfg. Co. (See Jno. C. Hoornbeck, Wawarsing, N. Y.)
Young & Humphrey (Bogus Wrapping)
NATURAL DAM—*Aldrich Paper Co. (News, Manila & Hanging, also Ground Wood & Sulphite Fibre)
NEWARK—International Egg Carrier & Paper Co. (Mill Wrappers, Wrapping & Building Papers)
NEWBURGH—Little Falls Paper Co. (White & Manila Tissue)
NEW HAMPTON — Diamond Mills Paper Co. (Tissue), Office: New York City

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Bainbridge's, Chas. T. Sons (White Tissue Used in Our Own Manufacturing of Crepe Tissue & Paper Napkins), 2 Cumberland
Johns, H. W.-Manville Co. (Asbestos Paper & Mill Board), ft of 39th; Office, 100 William, New York
Thompson & Norris Co. (Straw & Fibre Paper for Corrugating & Corrugated Paper & Bottle Packing), cor Concord & Prince. Mills, Brookville, Ind.
Warren Mfg. Co. (Rope Paper, Sand Paper, Music Paper, Rope, Tag & High Grade Specialties Made from Manila Fibre), Meadow & Bogart

Boroughs of Manhattan & Bronx.

NEW YORK—Ancram Paper Mills (White, Colored, Manila & Anti-Rust Tissue & Specialties in Tissue), 201 Wooster. Mills, Ancram, N. Y.
Barrett Mfg. Co. (Roofing Felt), 17 Battery pl. Mills, Peoria, Ill.
Bulkley, Dunton & Co. (Card Middles, Book, etc.), 75 Duane. Mills, Bancroft, Mass.
Continental Paper Bag Co. (Toilet Papers, High Grade White Colored & Manila Tissues, Lightweight Specialties), 6 Battery pl
Diamond Mills Paper Co. (Copying, Carbon, Pattern, Cigarette Tissues, Typewriter & Silver Tissue)
Field & White Co. (Roofing & Deadening Felts), 116 Nassau
Fort Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards), 74 Duane
*Great Northern Paper Co. (News & Manila Paper, Sulphite Fibre & Ground Wood), 49 Wall. Mills, Madison, Me.
Indestructible Fibre Co. (Fibre Boards), 45 B'way, Massena, N. Y.
*Interlake Pulp & Paper Co. ("Mitscherlich," Process Sulphite Fibre & Ground Wood), 51 Wall. Mills, Appleton, Wis.
*International Paper Co. (News, Manilas, Fibre), 30 Broad
Johns, H. W.-Manville Co. (Asbestos Paper & Mill Board), 100 William
New York & Penna Co. (Soda Fibre Dry in Rolls, Bond, White & Colored Machine Finished & Super-Calendered Book, Cover, Envelope Label, Railroad Manila & Writing, Bleached Sulphate, Bay, Express, Fibre, Hardware, etc.), 200 5th av
*Ticonderoga Pulp & Mill Co. (Book, Writing, Magazine & Coating; also Soda Fibre), 200 5th av. Mills, Ticonderoga, N. Y.
*Union Bag & Paper Co. (Blank Wall Paper, Manila, Fibre, Express, Bag), 17 Battery pl
United Box Board Co., 200 5th av
Walker, J. H. (Book Envelope & Writing), 261 B'way. Mills, Riverside, Conn.
Wanaque River Paper Co. (Super-Calendered & Machine Finished Book), 290 B'way. Mills, Wanaque, N. J.
Warren Mfg. Co. (Manila, Jute & Rope, Rope Bristol in 15 Colors), 41 Park Row. Mills, Riegelsville, N. J.
*West Virginia Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Lithograph & Varnish Label; also Bleached Soda & Sulphite Fibre, Writing, Blank Book, Tablet, Ground Wood), 200 5th av
York Haven Paper Co. (Colored Fibre, Express, Waterproof Building, Roofing & Insulating & "X Loid" Prepared Roofing; also Ground Wood & Sulphite Fibre) 290 B'way. Mills, York Haven, Pa.

Borough of Queens.

LONG ISLAND CITY—Ravenswood Paper Mill Co. (Straw & Plain Colored Chip Board. Lined or Unlined)

(End of New York City)

NIAGARA FALLS — *Cliff Paper Co. (News, Rolls, Sheets, Hanging, also Ground Wood)
*International Paper Co. (News & Manilas), Office: New York City
Lockport Paper Co. (Building, Roofing, Wrapping & Deadening Felts), Office: Lockport, N. Y.
*Niagara River Mfg. Co. (Ground Wood)
*Pettebone-Cataract Paper Co. (Roll & Sheet News, also Ground Wood)
NORFOLK—Raymondville Paper Co. (Ground Wood), Office: Watertown, N. Y.
Remington-Martin Co. (News & Hanging, also Sulphite Fibre & Ground Wood), Office: Watertown, N. Y.
NORTH HOOSICK—Stevens & Thompson (Inc.) (Specialties in Colors)
NORWOOD—St. Lawrence County—*Norwood Paper Co. (News, also Ground Wood), Office: Watertown, N. Y.
ORISKANY FALLS—Oriskany Falls Paper Box Co.
PALATINE CHURCH—See St. Johnsville, N. Y.
PALMER—*International Paper Co. (Sulphite Fibre & Ground Wood), Branch of New York
PENFIELD — Lawless Paper Co. (Waterproof Bogus), Office: Rochester, N. Y.
PENN YAN—Andrews, John T. & Co. (Butchers' Manila, Bogus, Wrapping & Sheathing)
Fox, W. H. & Son (Straw Wrapping)
Ramsey, E. R. Co. (Leather Board & Insulating Fibre)
Seneca Mills Corporation (Manila Tissue)
PHOENIX—Carrier, Leman J. Mfg. Co. (Tissue Manila)
Crescent Paper & Machine Co. (Tissue Manila)
Oswego River Paper Mills (Tissue for Toilet Papers, All Kinds of Packages & Roll Toilet Papers Our Specialty)
Phoenix Toilet & Paper Mfg. Co. (Manila Tissue & Toilet)
Sweet Bros. Paper Mfg. Co. White, Colored & Manila Tissue)
PIERCEFIELD—*International Paper Co. (Manila, also Ground Wood & Sulphite Fibre), Office: New York City
PIERMONT — Piermont Paper Co. (Patent Coated Pulp Lined & Other Folding Box Boards & White Blanks)
PLATTSBURG—*Lake Champlain Pulp & Paper Co. (Bag, Hanging, News, Manila Tissue, also Ground Wood)
*Progressive Pulp & Paper Co. (Bag, News, Hanging & Ribbon, also Ground Wood)
*Saranac Co. Ground Wood)
PORT LEYDEN—Gould Paper Co. (Heavy Manila & Drab Express), Office: Lyon Falls, N. Y.
POTSDAM—*Raquette River Paper Co. (Manila, Manila Envelope Fibre, Bag, Express & Parchment, also Sulphite Fibre)
Potsdam Paper Mills (Hangings)
PYRITES—De Grasse River Paper Co. (Sulphite Bag & Manila, also Ground Wood & Sulphite Fibre)
RAYMONDVILLE — Raymondville Paper Co. (News & Hanging, also Ground Wood) Office: Watertown, N. Y.
ROCHESTER—Flower City Tissue Mills Co. (White, Colored & Manila Tissue. All Grades of Fourdrinier White Tissues)
Lawless Paper Co. (Manila & Tissue, Waterproof)
ROCK CITY FALLS—Brown, E. M. Paper Co. (Card Middles, Coating, Manila & Duplex)
Moran-Chalfant Paper Co.
SALISBURY MILLS — Arlington Paper Co. (Book & Writing)
SANDY HILL—*Union Bag & Paper Co. (Blank Wall Paper, Manila, Fibre, Express & Bag, also Ground Wood & Sulphite Fibre), Office: New York City
ST. JOHNSVILLE — Smith, Isaac E. (Straw Board)
SAUGERTIES — Diamond Mills Paper Co. (Typewriter, Copying, Carbon, Silver Tissue & Cigarette), Office: New York City
SCHUYLERVILLE—*American Wood Board Co. (Tag Manila & Special Paper for Glazed Paper & Cardboard, also Ground Wood)
Schuylerville Paper Co. (Book & News)
*United Box Board & Paper Co. (Jute Fibre Boards), Office: New York City
SENECA FALLS—Ingersoll, E. S. & Son (Tissue Manila)
SKANEATELES — Lakeside Paper Co. (Mill Wrappers)
Skaneateles Paper Co. (Boards & Mill Wrappers)
Weeks, Chas. G. Co.
Weeks, F. G. (News, Fibres, Colored Hanging & Specialties)
SKANEATELES FALLS—Weeks, Thorne Paper Co.
SOUTH EDWARDS—*Carthage Tissue Paper Mills (Ground Wood), Office: Carthage, N. Y.
STILLWATER—Pemble, Wm. & Sons (Straw Board, Leather Board, Counter Board)
Upton Paper Co. (Chip & Straw Board)
STOCKPORT—Vande Carr, C. R. (Bag & Straw Wrapping & Common Bogus, No. 2 Straw, Cigarette & Carpet Lining)
SYRACUSE—Marcellus Paper Co. (Express, Screenings, Mill Wrappers & Hardware). Mills, Marcellus, N. Y.
THOMSON—*Iroquois Pulp & Paper Co. (Hanging & News, also Ground Wood)
TICONDEROGA — *International Paper Co. (News, also Ground Wood), Office: New York City
*Ticonderoga Pulp & Paper Co. (Book, Writing, Magazine & Coating, also Soda Fibre), Office: New York City
TONAWANDA — Tonawanda Board & Paper Co. (Solid & Filled Jute Boards, Plain & White Pulp Lined Eureka Boards, Straw Chips, Solid & Filled News Board, Solid & Filled Pulp Boards, Box & Barrel Layers, Combination Boards, Patent Coated Boards, Colored Boards, Trunk, Textile, Binders, Cloth, Picture, Furniture & Buggy Back Boards)

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*TROY—Albia Box & Paper Co. (Box Boards, Plain, Combination & Mill Sheet Lined)
Manning, John A. Paper Co. (Rope Manila Paper for Sand Paper, Flour & Cement Sacks & Insulating)
Orr Company (Fourdrinier White Tissue, Typewriter, Copying, Carbon, Silver & Cigarette Tissue)
UTICA—Foster Box Board Co. (Box Board)
VALATIE—Davis & Richmond (Bogus, Carpet Lining & Light Straw Wrappers)
WALESVILLE—McKinnon Leather Board Co. (Leather Board)
WALLOOMSAC — Waloomsac Paper Co. (Colored Wall Papers, Ingrains & Specialties)
WARRENSBURG — *Schroon River Pulp & Paper Co. (News & Hanging, also Ground Wood)
WATERFORD — Gilbert, Frank Paper Co. (Colored Specialties, Coating, Cover, Interleaving Blotting, Book, Tablet & News)
WATERTOWN — *Aldrich Paper Co. (News, Manila & Hanging, also Ground Wood)
Continental Paper Bag Co. (Manila Tissue, Roll Toilet & Lightweight Specialties), Office: New York City
*International Paper Co. (News, Manilas, also Sulphite Fibre & Ground Wood), Branch of New York City
*Norwood Paper Co. (News & Ground Wood). Mills, Norwood, N. Y.
*Raymondville Paper Co. (News, Hanging & Ground Wood). Mills, Norfolk, N. Y., & Raymondville, N. Y.
*Remington, Martin Co. (News, Hanging, Sulphite Fibre & Ground Wood). Mills, Norfolk, N. Y.
*St. Regis Paper Co. (News, Ground Wood & Sulphite Fibre). Mills, De Feriet, N.Y.
*Taggart Paper Co. (News, Colored Poster, No. 2 Manila, Hanging, Tablet & Ground Wood)
WAWARSING — *Hoornbeck, Jno. C. (Wood Floor)
WILLSBORO—New York & Penna. Co. (Soda Fibre Dry in Rolls, also Paper)

NORTH CAROLINA.

CANTON—*Champion Fibre Co. (Soda & Sulphite Fibre), Office: Hamilton, O.
NEWBERN—Carolina Paper Pulp Co. (Fibre Manilas, also Soda & Sulphite Fibres)
ROANOKE RAPIDS—Roanoke Fibre Board Co. (Document Manila, Corn Middles & Ticket Paper)
*Roanoke Rapids Paper Mfg. Co. (Butchers' Manila & Fibre, also Ground Wood)

OHIO.

AKRON—Phillips, Thos. Co. (Rope, Cement, Flour, Feed & Lime Sack Papers. Sand & Sign Paper)
BALTIMORE—Fairfield Paper Co.
Twin City Paper Co. (Glazed & Machine Finished Hardware, Express & Rope)
BARBERTON — American Straw Board Co. (News Board, Paper Stock Board, White Coated Combination & Pulp Lined Boards), Office: Chicago, Ill.
BOSTON—Jaite Co. (Rope Specialties, Cement, Flour & Charcoal Bag Papers)
BOSTON HILL—See Cleveland, O.
CEDARVILLE—Hagar Straw Board & Paper Co. (Light Straw Board & Wrapping, Tube Egg Case & Corrugating), Office: Xenia, O.
CHAGRIN FALLS — Adams Bag Co. (Manila Rope for Flour & Cement Sacks), Office; Cleveland, O.
CHILLICOTHE — *Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-Tone in White & Colors), Office: Dayton, O.
CINCINNATI—Dayton Folding Box Co. (Straw & Rag Wrapping, Lining & Combination Boards). Mills, Allegan, Mich.
Knew Board & Paper Co. (Box Boards), Mills, Kokomo, Ind
CIRCLEVILLE — American Straw Board Co., Office: Chicago, Ill.
CLEVELAND—Adams Bag Co. (Manila Rope for Floors & Cement Sacks)
Cleveland-Akron Bag Co. (Rope, Flour Sack & Manilas)
*Cleveland Paper Mfg. Co. (Book, Colors, Colored & News)
Ohio Box Board Co. (Box Boards, Including Patent Coated, Jute, Manila Lined News, etc.). Mills, Rittman, O.
COSHOCTON — Coshocton Straw Paper Co. (Straw Paper for Corrugating & Straw Wrapping)
CUYAHOGA FALLS—Walsh Paper Co. (Inc.) (Milton, Starch, Macaroni, Tailors' Pattern & Colored Specialties)
DAYTON—Aetna Paper Co. (Bonds, Ledgers, Lining & Flats)
American Straw Board Co., Office: Chicago, Ill.
Knerr Board & Paper Co. (Binders Board), Neave bldg
*Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-tone in White & Colors). Mills, Chillicothe, O.
Snider Paper Co. (Roofing & Felt)
Terra Haute Paper Co. (Corrugating, Tube & Egg Case Boards, Straw & Rag Wrapping). Mills, Terra Haute, Ind.
DELPHOS—Hinde & Dauch Paper Co. (Straw Wrapping & Light Straw Board), Office: Sandusky, O.
FRANKLIN — American Writing Paper Co. (Writing), Office: Holyoke, Mass.
Franklin Board & Paper Co. (Patent Coated, News, Manila, Lined Chip, Paper Stock, Jute, Pulp & Combination Board)
HAMILTON—Beckett Paper Co. (Colord Covers & Specialties)
Champion Coated Paper Co. (Book, Manila & Cardboard)
*Champion Fibre Co. (Fibre Board & Soda & Sulphite)
Sterling Paper Co. (Writing & Envelope Paper), Office: West Carrollton, O.
LIMA—American Straw Board Co. (Straw Board, Plain, Mill & Sheet Lined; Egg Case & Board Fillers), Office: Chicago, Ill.
LOCKLAND — Bowen, Ebenezer (Carpet Lining, Cloth Building, Roofing, Bottle Wrapper, Candy, Furniture, Tarred Roofing & Slaters' Felt), Office: Cincinnati, Ohio
Carey, Philip Mfg. Co. (Asbestos Mill Board & Roofing Felt)
Fox Paper Co. (Wrapping, Building, No. 2 Butchers' Manila, Expresecs & Carpet Lining, etc.)
Richardson Paper Co. (Wrapping, Roofing & Specialties in Felt, Box & Other Boards)
MASSILLON — Massilon Paper Co. (Straw Wrapping)
Munroe Falls Paper Co. (Carpet Lining, Express, Straw & Rag Wrapping, Building, Absorbent, Fly Paper, Fireworks Paper, Deadening Felt & Roofing)
MAUMEE—Maumee Paper Co. (Colored, Cover, Mask, Porous Fly, Tobacco, Macaroni, Ham, Firework, Express, Ingrain Bag Pattern, Candle, News, Hardware, Butchers' Manila, Cap Felt & Rag Wrapping)
MIAMISBURG—Miamisburg Paper Co. (Book, News, Envelope, Butchers' & No. 2 Manila)
Ohio Paper Co. (Bottle Wrappers, Carpet Lining & Saturating Felt)
MIDDLETOWN — Crystal Paper Co. (White, Colored & Manila Tissue & Wax Paper)
Gardner, Colin Paper Co. (Patent Coated Box Boards, News Board, Manila Lined Chip Boards, Combination Boards & White Blanks)
Gardner-Harvey Paper Co. (Box Boards, Harding Paper Co. (Writing) etc.)
National Box Board Co. (Box Boards)
Oglesby, W. B. Paper Co. (Card & Writings)
Sorg, Paul A. Paper Co. (Jute & Manila Rope Specialties, Tissues & White Wax)
Wardlow-Thomas Paper Co. (Rope & Jute Manila)
Wrenn Paper Co. (Blotting Papers. Brands ("Wrenn's Best," "Wrenn's Record," "Mosaic," "Miami," "Antlers," "Enameled," "Royal Colors.")
MUNROE FALLS — Munroe Falls Paper Co. (Carpet Lining, Express & Fireworks Paper, Deadening Felt & Roofing), Office: Massillon, O.
PIQUA — American Straw Board Co. (Straw, Combination & Pulp Lined Board, News & Chip Board), Office: Chicago, Ill.
RITTMAN—Ohio Box Board Co. (Box Boards All Grades, Including Patent Coated, Jute, Manila Lined, News Board), Office: Cleveland, O.
SANDUSKY—Hinde & Dauch Paper Co. (Straw Wrapping, Light Strawboard & Corrugated Paper Specialties)
Mendel, A. B. Co. (Binders, Trunk, Backing & Leatherboard)
ST. MARYS—Western Straw Board Co. (Plain & Oak Grained Jute Boards, Combination Filled Wood & Chip Boards & Plain & Lined Straw Board)
STEUBENVILLE — *Hartje Paper Mfg. Co. (Manila, News, Fibres, Carpet Lining, Building Papers, Mill Wrappers, Straw, Chip & Pulp Board, Specialties; No. 1 & No. 2 Waterproof Fibres, Butchers' Fibre, Butchers' Waterproof Manila & Rosin-Sized Sheathing, also Ground Wood & Sulphite Fibre), Office: Pittsburg, Pa.
TIFFIN—American Straw Board Co. (Steam-Dried Straw Boards, Plain, Mill Lined & Sheet Lined)
TIPPECANOE CITY—American Straw Board Co. (Steam-Dried Straw Board, Extra Smooth; Match Box Board; Pulp Lined Board)
URBANA — United Box Board & Paper Co. (Straw Board), Office: New York City
WEST CARROLLTON — *Friend Paper Co. (Book & Writing, Sulphite)
Stirling Paper Co., Office: Hamilton, O.
XENIA—Hagar Straw Board & Paper Co. (Light Straw Board, Straw Wrapping, Tube, Egg Case & Corrugated). Mills, Cedarville, O.
Xenia Board & Paper Co. (Manila Lined & Colored Boards, Chip & News Board; also Pasted Boards). Office, Indianapolis, Ind.

OREGON.

LEBANON—*Lebanon Paper Co. (Straw Wrapping, Fibre & Manila, also Sulphite Fibre), Office: San Francisco, Cal.
OREGON CITY—*Crown-Columbia Pulp & Paper Co. (Manila, Flaxina, Express, Bag, Fruit, Paraffine & Wrapping, also Ground Wood & Sulphite Fibre), Office: San Francisco, Cal.
*Willamette Pulp & Paper Co. (News, also Ground Wood & Sulphite Fibre), Office: San Francisco, Cal.
WARRENDALE—*Crown-Columbia Pulp & Paper Co. (Ground Wood & Paper), Office: San Francisco, Cal.

PENNSYLVANIA.

ALDHAM—Janowski, Morris (Binder & Builders' Board)
AMBLER—Keasbey & Mattison Co. (Asbestos Sheathing & Mill Board)
ATGLEN—Hults, Ellsworth H., Jr. (Binders, Trunk, Box & Carriage Boards), Office: Phila., Pa.
ANSTIN—*Bayless Pulp & Paper Co. (Pure Fibre Papers, also Sulphite Fibre)
AVONDALE—Keating, Jos. M. (Binders & Box Board)
BLOOMSBURG—Bloomsburg Paper Co. (Waterproof Cartridge)
BRIDGEPORT—Bicking Paper Co. (Mill Wrappers & Box Boards), Office: Phila., Pa.
Diamond State Fibre Co. (Fibre Paper), Office: Elsmere, Del.
BUCK RUN—Garrett, C. S. & Son Co. (Hanging, Middle & Fibre), Office: Phila., Pa.
CHAMBERSBURG — Hollywell Paper Mills (Bonbrake, E. J., Prop.) (Building, Dry Roofing, Manila)
CHESTER—Garrett, Edwin (Fine Tissue, Manila, Colored). Mills, Beaver Valley, Del.
CHESTERVILLE—See Landenburg, Pa.
CHEYNEY — Cullen, Lewis C. (Roofing Felt, Sheathing, Carpet Lining, Plain & Corrugated Deadening Felt & Building)
CLY—Susquehanna Roofing Mfg. Co. (Roofing, Rosin-Sized Sheathing & Deadening Felt)
DOE RUN—Palmer, Willis B. (Binders & Jacquard Boards)
DOWNINGTOWN — Gule, Jas. & Sons (Mill Wrappers)
Robinson, Chas. W. (Binders, Trunk, Air-Dried Straw & Box Boards)
EAST DOWNINGTOWN—Bicking, S. Austin (Est. of) (Wrapping, Rosin-Sized Sheathing & Corrugated Wrapping)
Kerr Paper Mill Co. (Box, Binders & Tar Board)
Miller, Frank P. Paper Co. (Patent Coated, Folding Box, News & Vat-Lined Chip Boards)
ERIE—Hammerhill Paper Co. (Bond, Ledger, Superfine, Linen Laid Writing & Specialties)
WATSON, H. F. CO. (Asbestos, Building, Carpet Lining, Manila & Roofing). (See adv. index, end of book)
GLEN MILLS—Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre & All Rag Specialties), Office: Phila., Pa.

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HONEY BROOK—See Lyndell, Pa.
HUNTINGTON MILLS—Koons, J. R. & Son (Straw & Bogus, No. 2 Manila & Specialties, Light Weights for Export a Specialty)
JOHNSONBURG — *Highland Paper Co. (Dry Soda Fibre), Office: Fitchburg, Mass.
*New York & Pennsylvania Co. (Bond, White & Colored, Machine Finished & Super-Calendered Book, Cover, Envelope, Label, Lithograph, Railroad Manila & Writing, also Bleached Sulphite), Office: New York City
LANCASTER—Cecil Paper Co. (Hanging). Office: York, Pa.
LANDENBERG—Lysle, Wilson (Est. of) (Fibre Paper)
LATROBE—Peters Paper Co. (Carpet Lining, Roofing & Sheathing)
LITITZ—Consumers' Box Board & Paper Co. (Tissues, Sheets & Rolls)
LOCK HAVEN — *New York & Pennsylvania Co. (Bag, Express, Fibre, Hardware, Press Board, Writing, Book, Parchment, Cover, Manila, Coating & Specialties, also Soda Fibre), Office: New York City
Lyndell, Lemmon, Sam'l (Air-Dried Straw Boards a Specialty, Cloth & Box Boards)
MADENA — Megarge Paper Mills (Inc.) (All Rag Waterleaf for Parchmentizing & Vulcanising), Office: Phila., Pa.
MOUNT HOLLY SPRINGS—Mount Holly Paper Co. (Writing)
NEW CASTLE—Dilworth Paper Co. (Glazed & Calendered Rope Express, Hardware, Sugar Bag & Anti-Rust), Office: Pittsburg, Pa.
NEW HOPE — Union Mills Paper Mfg. Co. (Building & Manila Rope for Insulating)
NORTH WATER GAP—*Ansalomink Paper Co. (Manila, Fibre & Colored Specialties, also Ground Wood & Sulphite Fibre)
NOTTINGHAM — Graves, W. L. (Binders & Box Board)
PENNSBURG—Perkiomen Paper Co. (Binders, Trunk & Box Boards)
PHILADELPHIA—Albany Paper Co. (Plain & Lined Straw Board), Phila. Bourse, Phila., Pa. Mills, Albany, Ind.
Baeder, Adamson & Co. (Manila for Own Use in Making Sand Paper), Delaware River & R. R.
Bicking Paper Co. (Mill Wrappers & Box Boards), 517 Willow. Mills, Bridgeport, Pa.
Cheney River Paper Co. (Manila, White & Colored Fibres & Specialties; also Sulphate), Land Title bldg. Mills, Richwood, W. Va.
*Dill & Collins Co. (Book & Surface Coated, High Grade Machine Finish, Super-Calendered Book & Surface Coated Papers for Printing from Half-Tone Engravings, Color Plates, Aluminum & Lithographic Stone), 827 Filbert
Empire Paper Co. (Plain & Lined Straw Board), Bourse bldg. Mills, Vincennes, Ind.
Garrett, C. S. & Son Co. (Hanging, Card Middles & Fibre, Machine Finished Book)
Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre and All Rag Specialties), Stephen Girard bldg. Mills, Glen Mills, Pa.
Gloucester Paper Co. (Building, Roofing, Sheathing & Wrapping Papers), Harrison bldg. Mills, Gloucester, N. J.
Hults, Ellsworth H., Jr. (Binders, Trunk, Box & Carriage Boards), 25 N 6th. Mills, Atglen, Pa.
Jessop & Moore Paper Co. (Book Paper & Soda Fibre), 28 S 6th, Wilmington, Del.
Lang, John Paper Co. (Roofing, Saturating & Deadening Felts), 24th & Vine
McDowell Paper Mills (Colored & Hercules Fibre, Drug, Book, Bag, Manifold, Heavy & Light Weight Colored Specialties of All Kinds), Manayunk
Mann, Wm. Co. (Railroad Copying & Manifold Papers), 529 Market. Mills, Lambertville, N. J.
Megarge Paper Mills (Inc.) (All Rag Waterleaf for Parchmentising & Vulcanising), Drexel bldg. Mills, Modena, Pa.
Moorhouse, R. T. (White & Colored Machine Finished & Super-Calendered Book, Colored Cover, Manila, Poster, News, Wrapping & Colored Specialties), Bridesburg
*National Metal Edge Box Co. (Jute Folding Box Boards; also Ground Wood), 8th & Willow. Mills, Realsboro, Vt.
*Nixon, Martin & Wm. H. Paper Co. (Book, Colored Specialties & Felt Hangings, also Soda Fibre), 250 Drexel bldg
Philadelphia Paper Mfg. Co. (Box Boards), Manayunk
Pleasant Mills Paper Co. (Rope Manila), 608 Chestnut. Mills, Pleasant Mills, N.J.
PITTSBURG—Dilworth Paper Co. (Glazed & Calendered Rope, Express, Hardware, Sugar Bag & Anti-Rust). Mills, New Castle, Pa.
*Hartje Paper Co. (Manila News, Fibres, Carpet Lining, Building Papers, Mill Wrappers, Straw, Chip & Pulp Boards, Waterproof Fibres, Butchers, Waterproof Manilla & Rosin Sized Sheathing; also Ground Wood & Sulphite Fibre). Mills, Steubenville, O.
National Metal Molding Co. (Paper for Insulating Purposes). Mills, Boonton, N. J.
Tarentum Paper Mills Co. (Rope & Express Wrapping). Mills, Tarentum, Pa.
PITTSTON—Rommell, G. B. (Macaroni, Black Green Pattern, Starch, Tobacco & Colored Posters, Dark & Light Blue Papers for Lining Boards, Paper Made in Rolls)
READING—Reading Paper Mills (Book, Plate, Lithograph, Map, Manila & Rope; We Make a Specialty of Lithograph, Map, Plate & Coated Papers, also Rope Papers for Paper Purposes)
ROARING SPRING—*Bare, D. M. Co. (Super-Calendered & Machine Finished Book, Lithograph, White Flats & Mimeograph, also Soda Fibre)
SHEEDER—Sheeder, A. M. (Binders & Trunk Board)
SPRING FORGE—*Glatfelter, P. H. Co. (Machine Finished & Super-Calendered Book & Writing, Label, Bond & Blank Book Papers, Varnish Label Papers, Music, Writing & Blank Book Papers a Specialty, also Soda Fibre)
STILLWATER—*Stauffer Paper Mfg. Co. (Manila, Straw Wrapping & Bogus, also Ground Wood)
SWARTHMORE—Franklin Tissue Mills (Tissue Specialties)
TARENTUM—Tarentum Paper Mills Co. (Rope & Express Wrapping), Office: Pittsburg, Pa.
TYRONE—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, White Writing, Blank Book Tablet, also Soda Fibre), Office: New York City
UPPER DARBY—Garrett, C. S. & Son Co. (Machine Finished Book, Card Middles & Fibre), Office: Phila., Pa.
WILLIAM PENN—Montgomery County—*Hamilton, W. C. & Sons (Book, Writing & Ledger, also Soda Fibre)
WILLIAMSBURG—*West Virginia Pulp & Paper Co. (Writing, Book & Specialties, also Soda Fibre), Office: New York City
WILLISTON INN—Cullen, Lewis Co., Office: Cheyney, Pa.
YORK—Lafean Paper Co. (Sheathing)
Schmidt & Ault Paper Co. (Manila, Sheathing, Carpet Lining & Bogus)
York Felt & Paper Co. (Saturated Felts)
YORK HAVEN—*York Haven Paper Co. (Colored Fibre, Light & Dark Express, Waterproof Building, Roofing & Insulating & "X Loid" Prepared Roofing Paper, also Ground Wood & Sulphite Fibre), Office: New York City

SOUTH CAROLINA.

HARTSVILLE—*Carolina Fibre Co. (Colored Wrapping & Water Finish Fibre, also Ground Wood & Sulphite Fibre)

TENNESSEE.

MEMPHIS—Tennessee Fibre Co. (Inc.) (Cotton Hull Fibre, Dry)

TEXAS.

OAK CLIFF—Fleming, John G. & Sons (Butchers' Manila & Straw, No. 2 Manila, Rag Wrapping, Roofing & Sheathing). P. O. Station A, Dallas, Tex.
ORANGE—*Yellow Pine Paper Mill Co. (Fibre, Hardware, Express, Colored & Bag, also Soda Fibre)

VERMONT.

BELLOWS FALLS—Blake & Higgins (Manila) Flint, Wyman & Sons Co. (Manila)
*International Paper Co. (News, Manila, Card Boards, Card Middles & Specialties, also Wood & Sulphite Fibre), Office: New York City
Moore, John T. & Son (Manila & Envelope)
Moore & Thompson Paper Co. (Manila Wrapping, Railroad Manila, Coating, Envelope & Wax)
Robertson, Jno. & Son (Tissue Manila)
Robertson Paper Co. (Envelope Manila, Railroad & Telegraph Writing, Parchment Writing & Waxed Manilas & Tissues, All Grades, Weights & Colors in Waxed Papers, Biscuit, Bakers' & Packers' Papers a Specialty)
BENNINGTON—Fillmore & Slade (Manila Tissue)
BRATTLEBORO — Vinton, Wm. H. & Son Blotting & Matrix)
EAST RYEGATE—*Ryegate Paper Co. (News, also Ground Wood)
FITZDALE—*Dalton Paper Mills (News, also Ground Wood), Office: Portland, Me.
MIDDLEBURY — *Green Mountain Pulp Co. (Ground Wood)
MILTON — *International Paper Co. (Ground Wood)
MORRISVILLE—National Fibre Board Co., Office: Boston, Mass.
NORTH BENNINGTON — Stark Paper Co. (Hanging)
PASSUMPSIC—Passumpsic Fibre Leather Co. (Leather (Heeling) Board)
PUTNEY—Cole, Wm. A. Paper Co. (Manila Tissue & "Eagle Mills" Brand of Tissue Toilet)
Robertson, Wm. (White & Colored Tissues, Cotton Batting Paper, Napkin Paper, Fruit & Bottle Wrappers)
READSBORO—*National Metal Edge Box Co. (Jute Folding Box Boards, also Ground Wood), Office: Phila., Pa.
ST. JOHNSBURY CENTER — Pierce Bros. (Leather Board)
SALISBURY—*Kingsley Bros. (Ground Wood)
SHELDON SPRINGS — *Missisquoi Pulp Co. (Ground Wood)
WELLS RIVER — Adams Paper Co. (Manila Tissue, Anti-Tarnish Tissue & Toilet)
WEST DERBY — *Spaulding Bros. (Ground Wood)
WILDER — *International Paper Co. (High Grade News, also Ground Wood), Office: New York City
WILMINGTON—*Deerfield Lumber Co. (Ground Wood)

VIRGINIA.

BIG ISLAND — *Bedford Pulp & Paper Co. (Manila, News, Hanging, Drawing & Poster, also Ground Wood), Office: Richmond, Va.
BUENA VISTA—*Columbian Paper Co. (Card for Coating & Lithographing & Flat Writing, also Soda Fibre)
COLEMANS FALLS—Bedford Pulp & Paper Co. (Ground Wood), Office: Richmond, Va.
COVINGTON—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, also Bleached Sulphite Fibre), Office: New York City
MANCHESTER — Standard Paper Mfg. Co. (Blotting, Enameled Blotting & Card), Office: Richmond, Va.
RICHMOND—Albemarle Paper Mfg. Co. (Blotting, "World," "Hollywood" & "Reliance," Blottings, "Vienna Moire")
Manchester Paper Twine Co. (Chip & Folding Box Board & Mill Wrappers)
Richmond Paper Mfg. Co. (Blotting, Book & News, "Climax," "Star" & Enameled Blotting)
Standard Paper Mfg. Co. (Blotting, Enameled Blotting & Card). Mills, Manchester, Va.
SNOWDEN—*Amherst Pulp Mfg. Co. (Ground Wood)
WINCHESTER—Old Dominion Paper Co. (News & Chip Board)

WASHINGTON.

CAMAS—*Crown-Columbia Pulp & Paper Co. (News, Manila, Bag, Wrapping, Sheathing & Hanging, also Ground Wood & Sulphite Fibre), Office: San Francisco, Cal
EVERETT — *Everett Pulp & Pulp Co. (Machine Finished & Super-Calendered Book, Varnish Label, Chemical, Railroad Writing, Bond & Cartridge, also Soda Fibre), Office: Lowell, Wash

WEST VIRGINIA.

DAVIS — *West Virginia Pulp & Paper Co. (Bleached Sulphite Fibre), Office: New York City

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HALLTOWN — Eyster & Son (Chip Boards, Milled, Lined & Plain)
HARPERS FERRY—*Harpers Ferry Paper Co. (Ground Wood)
*Shenandoah Pulp Co. (Ground Wood)
PARSONS—*Parsons Pulp & Paper Co. (Tag Stock, Silk Wrappers & Specialties, Bleached & Unbleached Sulphites). Office: Phila., Pa.
PIEDMONT — *West Virginia Pulp & Paper Co. (Ground Wood). Office: New York City
RICHWOOD — Cherry River Paper Co. (Manila, White & Colored Fibres & Specialties, also Sulphite). Office: Phila., Pa.
WELLSBURG—George, S. Co. (Paper & Cement, Flour & Lime Bags)
Harvey Paper Co. (Rope, Jute & Bogus)

WISCONSIN.

APPLETON — *Appleton Paper & Pulp Co. (Ground Wood)
Fox River Paper Co. (Book, Bond, Linens, Lithograph, Typewriter, Superfine & Fine Writing & Engine-Sized Flats, No. 2 Ledger, Map, Drawing, Folded & Rule)
*Interlake Pulp & Paper Co. ("Mitscherlich" Process Sulphite Fibre & Ground Wood). Office: New York City
Kimberly-Clark Co. (Super-Calendered Book, Manila & Fibre, Envelope, Writing & Railroad Manila). Office: Neenah, Wis.
*Patten Paper Co. (Book & News, also Ground Wood)
Riverside Fibre & Paper Co. (Bonds & Ledgers, also Bleached & Unbleached Sulphite Fibre)
Wisconsin Tissue Paper Co. (Light Weight Papers)
ASHLAND—*Menasha Paper Co. (Sulphite Fibre). Office: Menasha, Wis.
BELOIT—Beloit Box Board Co. (Roofing, Building, Box & Straw Board)
BROOKAW — *Wausau Paper Mills Co. (All Grades of Fibre & Manila, also Ground Wood & Sulphite Fibre)
BUCHANAN—See Little Chute, Wis.
COMBINED LOCKS — *Combined Lock Paper Co. (News, also Ground Wood & Sulphite Fibre)
CRIVITZ—*Crivitz Pulp & Paper Co. (Ground Wood)
DE PERE—American Writing Paper Co. (Writing, Loft-Dried & Machine-Dried Bonds, Linens & Ledgers). Office: Holyoke, Mass.
EAU CLAIRE—*Dells Paper & Pulp Co. (Manilas, Fibre, Novel & News, also Ground Wood & Sulphite Fibre)
GRAND RAPIDS — *Centralia Pulp & Water Power Co. (News, also Ground Wood)
*Consolidated Water Power & Paper Co. (Lining, Novel, Special Print, Hanging, Book, Railroad Writing & Specialties, also Ground Wood)
*Grand Rapids Pulp & Paper Co. (News & Hanging, also Ground Wood)
*Pioneer Wood Pulp Co. (Building & Box Paper, Wood Pulp Board, also Ground Wood)
GREEN BAY—*Green Bay Paper & Fibre Co. (Sulphite Fibre)
Hoberg, John Co. (White, Manila & Colored Tissue, Paper Napkins, Fruit Wrappers, Roll & Package Toilet Paper, Cotton Batting, Excelsior Tissue Pads & Printed Tissues & White Sulphite Fibre Papers)
Northern Paper Mills (Toilet Tissue & Catalogue, Light Weight Book, Sanitary Automatic Toilet Service, "Northern Roll," "Northern Oval" & "Pedro" Toilet Papers)
KAUKAUNA—*Kaukauna Fibre Co. (Sulphite Fibre)
*Lindauer Pulp Co. (Ground Wood)
*Outagamie Paper Co. (No. 1 Bag Print, also Ground Wood)
*Thilmany Pulp & Paper Co. (Tissue, Poster, Catalogue, Pattern, Cover & Wrapping, also Ground Wood)
*Union Bag & Paper Co. (Manila & Bag Paper, also Ground Wood). Office: New York City
KIMBERLY — *Kimberly-Clark Co. (Book & Wrapping, also Sulphite Fibre). Office: Neenah, Wis.
LADYSMITH — *Menasha Paper Co. (News, Manila & Catalogues, also Ground Wood). Office: Menasha, Wis.
LITTLE CHUTE — *Little Chute Pulp Co. (Ground Wood)
MARINETTE—*Marinette & Menominee Paper Co. (News & Manila, also Ground Wood & Sulphite Fibre)
MENASHA—Gilbert Paper Co. (Bond, Ledger & High Grade Writing)
*Island Paper Co. (White & Colored Fibre, also Sulphite Fibre)
*Menasha Paper Co. (News, Manila & Catalogue)
Plover Paper Co. (Loft-Dried Bond & Machine Finished Writing, Blue Print, Envelope & Ledgers)
Strange, Jno. Paper Co. (Fibre, Manilas, Poster, Colored Specialties, Mill Wrappers, Rag & Express)
Whiting, Geo. A. (Book, Colored Laid Writing, Telegraph & Parchment Manila & French Folios, Antique Laid & Egg Shell)
*Wisconsin River Pulp & Paper Co. (News, Hanging & Ground Wood). Mills, Stevens Point, Wis.
MERRILL — *Grandfather's Falls Co. (News, Hanging, Tablet & Novel, also Ground Wood)
*Lindauer Pulp & Mfg. Co. (Ground Wood)
MILWAUKEE—Johns, H. W.-Manville Co. (Asbestos & Building Felts)
NEENAH — Bergstrom Paper Co. (Super-Calendered & Machine Finished Book, Flat, Parchment, Railroad Manila & Cover)
Kimberly-Clark Co. (Colored Fibres, Book, Railroad Manilas & Book)
Neenah Paper Co. (Lithograph, Half-Tone & Loft & Machine-Dried Bonds & Flats)
Nekoosa—*Nekoosa Paper Co. (News, Manila & Fibre, also Ground Wood & Sulphite Fibre)
NIAGARA—*Kimberly-Clark Co. (News & Manila, also Ground Wood & Sulphite Fibre). Office: Neenah, Wis.
OCONTO FALLS—*Falls Mfg. Co. (Manila & Fibre, also Ground Wood & Sulphite Fibre)
*Union Mfg. Co. (Ground Wood)
PARK FALLS—*Flambeau Paper Co. (Hanging, No. 1 News & Novel, also Ground Wood)
PORT EDWARDS — *Edwards, John Mfg. Co. (News, Hanging & Novel, also Ground Wood)
*Port Edwards Fibre Co. (Sulphite Fibre)
RHINELANDER — *Rhinelander Paper Co. (News, also Ground Wood & Sulphite Fibre)
SHAWANO—*Wolf River Paper & Fibre Co. (Fibre & Manila Wrapping, also Ground Wood & Sulphite Fibre)
STEVENS POINT — Plover Paper Co. (Loft-Dried Bond & Machine Finished Writing, Blue Print, Envelope & Ledgers). Office: Menasha, Wis.
*Wisconsin River Paper & Pulp Co. (News & Hanging, also Ground Wood). Office: Menasha, Wis.
STILES—*Anson-Eldred Co. (Ground Wood)
TOMAHAWK—*Tomahawk Pulp & Paper Co. (Roll News, also Ground Wood)

*Papers (Gummed)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

*Papers (Stay)

KNOWLTON, M. D. CO. (Combination & Manilla), Rochester, N. Y. (See adv. index & branch offices, end of book)

Papier Mache Mfrs.

DECORATORS' SUPPLY CO., Archer av & Leo, Chicago, Ill. (See adv. index & branch offices, end of book)
De Planque, F. R., 1849 Ridge av, Phila., Pa.
Dini, Geo. L., 497 Atlantic av, Brooklyn, N. Y.
Emmel, Chas. & Rose Co. (Architectural), 383 Albany, Boston, Mass.
Klee, Thomson Co., 329 E 40th New York
Koppe & Steinichen (Architectural), 89 Houston, Atlanta, Ga.
Liesum, Geo., & Co., 228 E. 24th, New York
Lombard, A. P., 101 Bristol, Boston, Mass.
Milner & Pride, 43 Bristol, Boston, Mass.
Plastic Relief Mfg Co., 298 N Halsted, Chicago, Ill.
Sinnott, Jas. M. & Co., 168 Atlantic av., Brooklyn, N. Y.
Tognarelli & Voigt, 2310 Chestnut, Phila., Pa.
Union Fiber Co., Winona, Minn.
Van Malderen, F., Ann & Jumonville, Pittsburg, Pa.
Verpellier, H. E. & Co., 288 Washington, Newark, N. J.
Walter, G. E. Co., 157 E 44th, New York

Parallels (Planer)

Walker, Oakley S. & Co., Worcester, Mass.

Parers (Fruit & Vegetable)

Bannister, A. F., & Co. (Fruit), Newark, N. Y.
Boutell Mfg. Co., Rochester, N. Y.
Catawissa Specialty Mfg. Co. (Vegetable), Catawissa, Pa.
Goodell Co. ("White Mountain," "98 Turntable," "New Lightning," "Bay State," Apple, Potato, etc.), Antrim, N. H.
Hamblin & Russell Mfg. Co. (Apple, Potato, etc.), Worcester, Mass.
Hudson Parer Co. (Apple), Leominster, Mass.
Hunt Mfg. Co. (Apple), Greenfield, Mass.
Judge Machine Co., Marine Bank bldg., Baltimore, Md.
Kilbourne Mfg. Co., Troy, N. Y.
Livingston Nail Co. (Apple, Potato, etc.), 104 Reade, New York
Parker Wire Goods Co. (Apple, Potato, etc.), Worcester, Mass.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Reading Hardware Co., Reading, Pa. ("78")
Sayre, L. A., Co. (Apple & Peach Rotary Knife), Newark, N. J.
Sinclair-Scott Co. (Fruit), Baltimore, Md.

Parers (Hoof)

Champion Tool Co. ("Giant"), Meadville, Pa.
Leavitt Mfg. Co. ("Samson"), Urbana, Ill.

Paris White

(See also Whiting Manufacturers)

Bradford, Jas., Co., Wilmington, Del.
Knappmann, Wm., & Co., 31 Nassau, New York
Manufacturers' Whiting Co., Phila., Bourse, Phila., Pa.
Nevins, Samuel, Co., 109 S. 2d, Phila., Pa.
Stickney, Terrell & Co., 31 Milk, Boston, Mass.
Taintor, H. F. Mfg. Co., 2 Rector, New York
Whittaker, W. H., 245 Front, New York

Park Furniture

(See Settees, Various Kinds; also Fountains, Vases, Etc.; also Rustic Work; also Swings, Lawn)

Parting Compounds

(See Compounds, Parting)

Partitions (Flexible)

(See Partitions, Wood Rolling)

*Partitions (Steel)

AMERICAN METAL DOOR CO., Jamestown, N. Y. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index & branch offices, end of book)

*Partitions (Steel Rolling)

KINNEAR MFG. CO. (Steel), Columbus, O. (See adv. index & branch offices, end of book)
ROLLING STEEL SHUTTER WORKS (John McLean), 162 W 27th, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS 100 Lake, Chicago, Ill. (See adv. index, end of book)
WILSON, JAMES G. MFG. CO., Chief Office, 3 W 29th, New York. Mills & Factory, Norfolk, W. Va. (See adv. index, end of book)

*Partitions (Wire)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)

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Partitions (Wood Rolling)

Dodge. H. R. & Co. (Mfrs.' Agents), 108 La Salle, Chicago, Ill.
Flexible Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
WILSON, JAMES G. MFG. CO., Chief Office, 3 W 29th, New York, Mills & Factory, Norfolk, W. Va. (See adv. index, end of book)

Paste

(See also Soldering Paste, Salts & Sticks)

American Hominy Co. (Flour), Indianapolis, Ind.
Arabol Mfg. Co. ("Tinnol" Bottlers, Canners, etc.), 100 William, New York
Auburn Soap & Chemical Co. (Emery), Auburn, N. Y.
Bankers' Ink Co. (Library), Kansas City, Mo.
Bessire, H. Co., Indianapolis, Ind.
Boettiger & Co. (Plumbers), Erie, Pa.
Buckeye Paste Co. (Carriage Trimmers), Columbus, Ohio
Carter's Ink Co. (Flour), Boston, Mass.
Chapman & Smith Co. (Almond), Boulevard & S. Carpenter, Chicago, Ill.
Clark Paper & Mfg. Co., Rochester, N. Y.
Continental Mfg. Co. (Photographers), Phila., Pa.
Crystal Springs Paste Co. (Flour), Boston, Mass.
Cuyahoga Chemical Co. (Chicle), Cleveland, Ohio
Dean, W. G., & Son, (Licorice), 88 N. Moore, New York
Devoe, F. W. & C. T. Raynolds Co. (Photographers), New York
Diamond Paste Co. (All Kinds), Albany, N. Y.
Fort Pitt Oil & Paint Co. (Anti-Rust), Pittsburg, Pa.
Heide, H. (Almond), 88 Van Dorn, New York
Higgins, Chas. M. & Co. (Office), B'klyn, N. Y.
Indiana Color & Varnish Co. (Carriage), Evansville, Ind.
Indianapolis Paste Co., Indianapolis, Ind.
Keller, Robt. Ink Co. (Office), 523 Fort, W., Detroit, Mich.
Keystone Paste Mfg. Co., 282 N Water, Phila., Pa.
Kleinbeck, C. H. (Caramel), Geneva, Ill.
Levison & Blythe Mfg. Co. (Flour), St. Louis, Mo.
Meyers & Hicks Co. (Almond), 104 S. Howard, Baltimore, Md.
Michigan Paste & Mfg. Co. ("Perfection"), Detroit, Mich.
Minnesota Weatherproof Paste Co. (Calking), Minneapolis, Minn.
National Insulating & Mfg. Co. (Wet, Dry), Industrial bldg., Indianapolis, Ind.
National Jelolues Co., 547 W. 43d, New York
Nice, Eugene, Co. (Hotel), Phila., Pa.
Park City Paste Co., Bridgeport, Conn.
Pomeroy Bros. Co., Newark, N. J.
Quill, Dennis, 96 W. Quincy, Chicago, Ill.
Sadler, John M. (Non-Tinning Dry), 49 S. May, Chicago, Ill.
Sanford Mfg. Co. (Library), Congress & Peoria, Chicago, Ill.
San Jose Paste Co., San Jose, Cal.
Scott's Hoof Paste Co. (Hoof), Rochester, N. Y.
Silberstein, A. L. (Razor), 459 Broadway, New York
Stafford, S. S. (Photographers), 603 Washington, New York
Starbuck, R. N., & Son (Plumbers), Hartford, Conn.
Swearingen, J. C. Ink Co. (Library), 222 Wick, Pittsburg, Pa.
Tacks Mfg. Co. (Bottlers, etc.), Utica, N. Y.
Weis Mfg. Co. (Library), Monroe, Mich.
Wood & Selick (Almond), 36 Hudson, New York

Paste (Canners', Etc.)

Arabol Mfg. Co. (Paste Powder & Pate Tinnol), 100 William, New York
Electric Cleanser Co., Canton, O.

Paste (Plumbers')

Starbuck, R. N. & Son, Hartford, Conn.

Pasteurizers (Milk, Etc.)

Burrell, D. H. & Co., Little Falls, N. Y.
Reid, A. H., Creamery & Dairy Supply Co. ("Reid"), 69th & Haverford, Phila., Pa.
Stoddard Mfg. Co. ("Farrington," "Duplex"), Rutland, Vt.

Pattern Making Outfits

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Oliver Machinery Co., Detroit, Mich.

Patterns & Models

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
Acme Pattern Works, Buffalo, N. Y.
Adamson, Alex., Akron, Ohio.
Allen, Geo. R. (Metal or Wooden, for Machine & Casting Work), 500 N. 13th, Phila., Pa.
Allison & Lewis Pattern Works, Wyandot & Shawnee sts., Dayton, O.
Ames, B. C. & Co. (Models & Experimental Work), Waltham, Mass.
Arthur Co. (Models Experimental Work), 188 Front, New York
Attwood Brass Works (Metal), Grand Rapids, Mich.
Balkwill Pattern Co. (Large Patterns for Machinery a Specialty), Cleveland, O.
Baltimore Pattern & Model Works (Metal & Wood Models & Patterns), 218 Holliday, Baltimore, Md.
Banner Iron Works, St. Louis, Mo.
Bassett Pattern Works (Wood & Metal), 2d & Central Av., Cincinnati, O.
Brantner, Wm. Pattern Works (Patterns Only), 37 Scioto, Columbus, O.
Brantner, Wm. Pattern Works (Inc.) (Wood & Metal Patterns), Buffalo, N. Y.
Buffalo Gear & Pattern Works (Gear Patterns Cut by Machinery), 20 Elk, Buffalo, N. Y.
Buffalo Pattern Works (Inc.) (Wood & Metal Patterns), Buffalo, N. Y.
Canton Malleable Iron Co. (Brass), Canton, O
Carr, David (Patterns), 25 Coutant, Cleveland, O.
Cincinnati Pattern Works (Wood & Metal), Front & Lawrence, Cincinnati, O.
Cleveland Castings Pattern Co. (Wood), Leonard & Winter, N. W., Cleveland, O.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Cole Mfg. Co., Lakeport, N. H.
Colson, F. A. (Wood & Metal), Buffalo, N. Y.
Columbia Machine Works & Malleable Iron Co. (Metal), 269 Chestnut, Brooklyn, N. Y.
Comstock, J. F., & Co., Wilkesbarre, Pa.
Dayton Pattern Works, Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Enterprise Mfg. Co., Newburgh, N. Y.
Eynon-Evans Mfg. Co. (Patterns Only), 1519 Clearfield, Phila., Pa., & 107 Liberty, New York
Flint, Lomax Electric & Mfg. Co., Denver, Colo.
Fogg, A. A. & H. G. (Metal Patterns), Meriden, Conn.
Frankham, Wm. (Metal), Canton, O.
Freeman Pattern Works, Toledo, O.
Gaisler, O., Jr., Pattern Co., 1623 N. 7th, St. Louis, Mo.
Gardam, Wm. & Son (Inc.), 221 Fulton, New York
Gem City Pattern Works (Wood & Metal), 10-12 S. Canal st., Dayton, O.
Gorning & Luley, St. Louis, Mo.
Grant Mfg. & Machine Co. (Metal, Experimental, etc.), Bridgeport, Conn.
Hardoin, Nicholas (Brass Patterns), 132 E. Larned, Detroit, Mich.
Hartmann, Malcolm, Co., 13 N. Jefferson, Chicago, Ill.
Holstein, Chas. W., 515 W. 1st av, Columbus, O.
Howard Iron Works, Buffalo, N. Y.
Huetter Machine & Tool Co., Indianapolis, Ind.
Hurd & Haggin (Experimental Work & Model Making; Shop Drawings & Specifications furnished for Machines, etc.), 316 Hudson, New York
Huse, W. D. & Sons, Laconia, N. H.
Industrial Pattern & Bronze Co. (Brass & Bronze Castings, Patterns, etc.), 988 E. 67th, N. E., Cleveland, O.
Kahl, Fred, Pattern Co. (Wood & Metal Patterns), 537 Atwater, Detroit, Mich.
Kidder, R. E. (All Sizes), Worcester, Mass.
Knight, W. B., Machinery Co. (Metal), 2025 Lucas av., St. Louis, Mo.
Lewis, Chas. H., Syracuse, N. Y.
Lightford & Foster, Indianapolis, Ind.
Lipe, C. E. (Est.), Syracuse, N. Y.
Loeffelholz Co. (Brass), Milwaukee, Wis.
Lowell Pattern Co., Lowell, Mass.
Lasier, T. B. & Son, 479 N 5th, Phila., Pa.
McClure, John C. (Wood), 134 Orange, Newark, N. J.
McLaughlin, Jno. K., 215 N 2d, Phila., Pa.
McNamara-Koster Foundry Co. (Patterns & Models), Indianapolis, Ind.
Mahoning Pattern Co. (All Kinds of Patterns), Youngstown, O.
Mansfield Pattern Co., Mansfield, O.
Medart, Fred., 3535 DeKalb, St. Louis, Mo.
Mersfelder Pattern Co. (Metal), Pearl & Ludlow, Cincinnati, O.
Nacke, A. & Son (Metal), 236 S 9th, Philadelphia, Pa.
Neslage, Herman F., 1023 S. 11th., St. Louis, Mo.
NESTOR MFG. CO. (Inc.) 40 W. 13th, New York. (See adv. index & branch offices.
NIAGARA FALLS METAL STAMPING Works (in Metal), Niagara Falls, N. Y. (See adv. index, end of book)
Niemeyer, W. H., & Co., Bush & Severn, Baltimore, Md.
Noble, Henry A., 203 Dock, Philadelphia, Pa.
Norris Pattern Works (Patterns), Norristown, Pa.
Ohio Pattern Works (Wood & Metal), 2730 Spring Grove av., Cincinnati, O.
Parker, W. T. Mfg. Co. (Wood & Metal), Springfield, O.
Parsell & Weed (Models & Experimental Work), 129 W. 31st, New York
Pauly Bros., Springfield, O.
Penn Pattern Works (Patterns & Models), Chester, Pa.
Phoenix Iron Works, Portland, Ore.
Portland Iron Works, Portland, Ore.
Quincy Pattern Co. (Wood & Metal), Quincy, Ill.
Queen City Pattern Works (Wood & Metal), 315 E. 3d, Cincinnati, O.
Reliable Foundry & Machine Co. (Gasoline Engines a Specialty), Fort Madison, Ia.
Reliance Pattern Works, 3204 Smallman, Pittsburg, Pa.
Richmond Pattern & Structural Iron Works (Wood Patterns), Richmond, Va.
Roberts & Norton, Utica, N. Y.
Rudolph, Wm. F. (Models & Experimental Work), 649 N Broad, Phila., Pa.
Sawin, Edward H., Gardner, Mass.
Shafer, O. J. (Metal), 181 W. 2d, Cincinnati, Ohio
Shepard, Amos L. (Models & Metal & Wood Patterns), Plantsville, Conn.
Slack, Ben F. Brass Mfg. Co. (Metal & Wood) Denver, Colo.
Standard Pattern Works (Gear Patterns a Specialty), Cleveland, O.
Stover Mfg. Co. (Metal Patterns), Freeport, Ill.
Taylor, C. P., Old Colony Bldg., Chicago, Ill.
Taylor & Fenn Co. (Models), 54 Arch, Hartford, Conn.
Tenney, Chas. L. (Patterns & Models), Fitchburg, Mass.
Tittle, R. D., Springfield, O.
Townsend Furnace & Machine Shop Co., Albany, N. Y.
Trumbull Mfg. Co. (Patterns), Warren, O.
Turner Brass Works (Brass, etc.), Sycamore, Ill.
Twentieth Century Brass & Iron Works (Metal), Minneapolis, Minn.
Universal Pattern Works (Wood), 1968 W 8th, Cincinnati, O.
Walker Bros. Co., Syracuse, N. Y.
Walker & Kyle (Patterns), Wilmington, Del.
Washburn, Lettie R. (Patterns & Models), New Bedford, Mass.
Weller Pattern Co. (Wood & Metal), Quincy, Ill.
West Side Foundry Co. (Wood & Metal Patterns), Watervliet, Troy, N. Y.
Wichita Mfg. Co. (Wood & Metal), Wichita, Kan.
Willamette Iron & Steel Wks., Portland, Ore.
York Pattern Works, York, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

Paulins

(See Tents for Railroad Contractors)

*Paulins & Covers (Waterproof)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)

Paving Blocks (Asphalt)

Barrett Mfg. Co., Land Title bldg., Phila., Pa
Block & Tile Paving Co., Norristown, Pa.

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Bradbury, Frank & Son, West Franklin, Me.
Gilson Asphaltum Co., Land Title Bldg., Philadelphia, Pa.
Hastings Pavement Co., Hastings Upon Hudson, N. Y., & 25 Broad, New York
Impervious Product Co., 218 St. Paul, Baltimore, Md.
New Castle Asphalt Block Co., New Castle, Pa.
Taylor, Ronald, 520 E 20th, New York
Washington Asphalt Block & Tile Co., S Capital & R, S E, Washington, D. C.

Paving Blocks (Cedar)

(See Paving Blocks, Wood)

Paving Blocks (Granite)

(See also Granite Producers, Workers & Dealers)

Anderson, Ola, Concord, N. H.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 207 B'way, New York
Booth & Flinn (Ltd.), 1942 Forbes av, Pittsburg, Pa.
Bradbury, Frank & Son, West Franklin, Me.
BROWN, HERBERT L. CO., 26th & 5th av, New York. (See adv. index & branch offices, end of book)
Fletcher, H. E. & Co. (Street, Curbing, etc.), West Chelmsford, Mass.
Flynt, W. N. Granite Co., Monson, Mass.
GUILFORD & WALTERSVILLE Granite Co., 3 E. Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
Hallowell Granite Works, Hallowell, Me.
Laby, Thos., Haverhill, Mass.
LEOPOLD, J. & CO., 18 B'way, New York. (See adv. index, end of book)
Milwaukee Monument Co., Milwaukee, Wis.
Montello Granite Co., 59 Clark, Chicago, Ill.
Mount Waldo Granite Works, Frankfort, Me.
NEW ENGLAND GRANITE WORKS, Westerly, R. I., & Concord, N. H. (See adv. index, end of book)
PETERSBURG GRANITE CO., 3 E. Lexington, Baltimore, Md. (See adv. index & branch offices, end of book)
Pierce, John Co., West Street bldg., New York
PICTON ISLAND RED GRANITE CO., 320 5th av, New York. Quarries, Picton Island, St. Lawrence River, N. Y. (See adv. index, end of book)
Pigeon Hill Granite Co., Pigeon Cove, Mass., & West Lebanon, N. H.
Prout Bros., Quincy, Mass.
ROCKPORT GRANITE CO., Rockport, Mass. (See adv. index & branch offices, end of book)
SCHILLING, FRANK H., 614 Hale bldg, Phila., Pa. (See adv. index, end of book)
Schneider Granite Co., Fullerton bldg, St. Louis, Mo. Quarries, Graniteville, Mo.
Skrainka Construction Co., 319 N 4th, St. Louis, Mo.
Southern Granite Co., Wiggins blk., Cincinnati, O., & Lithonia, Ga.
Standard Granite Co., Mount Desert, Me.
Swenson, Jno., Concord, N. H.
Twen Cen Granite Co., Little Rock, Ark.
Webb Granite & Construction Co., Worcester, Mass.
White Granite Co., Long Island City, N. Y. Quarries, Blue Hill, Me.
Winnsboro Granite Co., Charleston & Rion, S. C.
Wisconsin Granite Co., Chamber of Commerce bldg., Chicago, Ill.

Paving Blocks (Stone)

McKiernan & Bergin (Trap), Paterson, N. J.

Paving Blocks (Vitrified)

(See Brick Mfrs.—Vitrified Paving—Indicated by a star (*) in Front of Name)

Paving Blocks (Wood)

American Creosoting Co., 114 Liberty, New York. Works, Newark, N. J.
Conway, R. F. Co. (Cedar), Chamber of Commerce bldg, Chicago, Ill.
Jones, W. R. (Cedar), Muskegon, Mich.
Kettle River Quarries Co., Minneapolis, Minn.
LEOPOLD, J. & CO., 18 B'way, New York. (See adv. index, end of book)
Maugle Pole & Tie Co. (Cedar), 226 La Salle, Chicago, Ill.
Peirce, W. E. & Co., Milford, N. H.
Republic Creosoting Co. ("Kreodone," Creosoted), Indianapolis, Ind.
Sterling, W. C. & Son (Cedar), Monroe, Mich.
United States Wood Preserving Co. ("Creo-Resinate" Process), 29 B'way, New York. Works: Perth Amboy, N. J.

Paving Contractors

(See Contractors, General; also Contractors, Asphalt Paving)

Paving Materials

(See Paving Blocks, Various Kinds; also Pitch, Paving & Roofing)

Paving & Roofing Pitch

(See Pitch, Paving & Roofing; also Coal Tar Products)

Pea Fillers

(See Can Filling Machines)

Pea-Hullers

(See Hullers, Pea & Bean)

Peanut & Coffee Roasters

(See Coffee, Peanut & Cocoa Bean Roasting Machines & Roasters, Coffee & Peanut)

Peavies

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co. (Solid Socket), Evart, Mich.
Evart Tool Co. (Ltd.), Evart, Mich.
Gerlach, Peter, Co., Columbus road & Winter, Cleveland, O.
Oshkosh Logging Tool Co. (Socket, Pine, etc.), Oshkosh, Wis.
Prouty, C. & Co. (Also Peavie Handles), Eldred, Pa.
Warren Axe & Tool Co., Warren, Pa.

Pedestals (Radiator)

Atlas Radiator Pedestal Co., Norwich, Conn
Jennison Plumbing Co. (Adjustable), Fitchburg, Mass.

Pedestals (Sun Dial)

Hartmann-Sanders Co., 810 Elston av., Chicago, Ill., 1125 B'way, New York

Pencil Timber

Houston & Liggett (Cedar), Lewisburg, Tenn.

*Pencils (Chalk, Propelling & Repelling)

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
HARDTMUTH, L. & C., 34 E. 23d, New York. (See adv. index, end of book)

*Pencils (Copying Ink)

HARDTMUTH, L. & C. ("Kooh-i-Noor," "Mephisto"), 34 E 23d, New York. (See adv. index, end of book)

*Pencils (Drawing)

DIXON, JOS. CRUCIBLE CO. (For Architects, Draughtsmen, etc.), Jersey City, N. J. (See adv. index & branch offices, end of book)
HARDTMUTH, L. & C. ("Kooh-i-Noor"), 34 E 23d, New York. (See adv. index, end of book)
SOLTMANN, E. G. (Graphite, also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Pencils (French Chalk)

Nevins, Saml. Co., 109 S 2d, Phila., Pa.

*Pencils (Graphite)

DIXON, JOS. CRUCIBLE CO. ("Dixon's" Office & Drawing Pencils), Jersey City, N. J. (See adv. index & branch offices, end of book)

Pencils (Lead)

American Lead Pencil Co., 43 W 4th, New York
Blanchard Bros. (Inc.), Davenport, Ia.
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
Eagle Pencil Co., 377 Broadway, New York
Faber, A. W., Newark, N. J.
Faber, Eberhard, 299 B'way, New York
HARDTMUTH, L. & C. ("Kooh-i-Noor"), 34 E 23d, New York. (See adv. index, end of book)

*Pencils (Lumber)

DIXON, JOS. CRUCIBLE CO. (Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)

Pencils (Slate)

DOGGETT, STANLEY (Artificial), 101 Beekman, New York. (See adv. index, end of book)
Ilifelder, B., & Co. (Artificial), 97 Bleecker, New York
Steward, D. M. Mfg. Co. ("Compo."), Chattanooga, Tenn.

Pencils (Talc & Soapstone)

Cohutta Talc Co. (Soapstone; also Crayon), Dalton, Ga.
DIXON, JOS. CRUCIBLE CO., Monmouth & Wayne, Jersey City, N. J. (See adv. index & branch offices, end of book)
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Piedmont Soapstone Co., 55 Congress, Boston, Mass. Works, Asbestine, Va.
Steward, D. M. Mfg. Co., Chattanooga, Tenn.

*Pencils (Water Color)

AMERICAN CRAYON CO., Sandusky, O., & Waltham, Mass. (See adv. index, end of book)

Pendants (Wiring)

Cutter, Geo. Co., South Bend, Ind.
Fletcher Mfg. Co. ("Etheridge"), Dayton, O.

Pens (Steel)

Estabrook Steel Pen Mfg. Co., Camden, N. J.
Miller Bros. Cutlery Co., Meriden, Conn.
Spencerian Pen Co., 349 B'way, New York

Penstocks

Atlantic Works, 70 Border, S. B., Boston, Mass.
Canton Boiler & Engineering Co., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Clogston, Luman, Fair Haven, Vt.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Dalrymple, Geo. (Wrought Steel), Fair Haven, Vt.
Dillon, D. M., Fitchburg, Mass.
Franklin Boiler Works Co., Green Island, N. Y.
Gem City Boiler Co., Dayton, O.
Troy, N. Y.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Holmes, J. H. & Co., Rutland, Vt.
Holthoff Machinery Co., Cudahy, Wis.
Humphrey Machine Co., Keene, N. H.
Hunt, Rodney Machine Co., Orange, Mass.
KEELER, E. CO., Williamsport, Pa. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Leffel, James & Co. (Inc.), Springfield, O.
Lowell Steam Boiler Works (Richard Dobbins, Prop.), Lowell, Mass.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg., Pittsburg, Pa. (See adv. index, end of book)

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Philadelphia Iron Works, 418 N 18th, Phila., Pa.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Pollock, Wm. B. Co., Youngstown, O.
Poole Engineering & Machine Co. (For Water Wheels), Woodberry Station, Baltimore, Md.
Portland Co., Portland, Me.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co., 55 Water, Pittsburg, Pa., 111 B'way, New York
Robb-Mumford Boiler Co. (Inc.), South Framingham, Mass.
Scannell Boiler Works, Lowell, Mass.
SHAW, BENJ. F., CO., Wilmington, Del. (See adv. index, end of book)
Stafford, Wright, Lawrence, Mass.
STEARNS, A. T. LUMBER CO. (Wood), Neponset, Boston, Mass. (See adv. index, end of book)
Stebbings, W. L., Monadnock blk., Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Trump Mfg. Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walsh Boiler & Iron Works, Springfield, Mass.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.

Percolators (Coffee)

GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y., & 30 Church, New York (See adv. index & branch offices, end of book)
Bowman, Geo. H. Co. ("Bowman" Sanitary Aluminum), Cleveland, O.
Buffalo Mfg. Co., Buffalo, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Manning, Bowman & Co. ("Meteor" Circulating), Meriden, Conn
New England Enameling Co. ("Ideal"), Middletown, Conn.
Pelouze Scale & Mfg. Co., 118 W. Jackson boul., Chicago, Ill.
Southern Electric Co. (Electric), 423 N. Calvert, Baltimore, Md.
Sternau, S., & Co., 237 Broadway, New York

Perforated Metals

Atchison Perforating Co., 308 Dearborn, Chicago, Ill.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Perforated Metal Co., Belleville, N. J.
Beckley Perforating Co., Garwood, N. J.
California Perforating Screen Co., Howard & Fremont, San Francisco, Cal.
Central Stamping Co., 174 Fulton, New York
Clinton Wire Cloth Co. (For All Purposes), Clinton, Mass.
Cross Engineering Co. (Stone Screens a Specialty), Carbondale, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Erdle Perforating Co., Rochester, N. Y.
Harrington & King Perforating Co., 224 N Union, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
HUNGERFORD, U. T. BRASS & COPPER Co. (Brass, Copper, Iron or Steel), 497 Pearl, New York
Johnston & Chapman Co., 1345 Carroll av, Chicago, Ill.
Littleford Bros., 453 E Pearl, Cincinnati, O.
Manhattan Perforated Metal Co., 237 Centre, New York
MERCHANT & EVANS CO. (Inc.) (Brass, Copper, Iron or Steel), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Mundt, Charles & Sons, 441 Pearl, New York.
Novelty Mfg. Co. (Also Embossed), Waterbury, Conn.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
San Francisco Pioneer Screen Works (John W. Quick, Prop.), 221 1st, San Francisco, Cal.
Seibel-Suessdorf Copper & Iron Mfg. Co., St. Louis, Mo.
Towne & Co. (C. H. Kimball, Prop.) (For Centrifugal Linings & Copper Bottoms for Wood Scouring Purposes), Worcester, Mass.
Throop Perforating Co., Buffalo, N. Y.

Peroxide of Manganese

Bond, Vivian & Co., 68 Beaver, New York

Petroleum & Its Products

American Oil Works (Ltd.), Titusville, Pa.
Atlantic Refining Co., Bourse, Phila., Pa.
Bulls Head Oil Works, San Francisco, Cal.
Climax Refining Co., Williamson bldg., Cleveland, O.
Columbia Oil Co., 18 William, New York
Conewango Refining Co. (Crude Oil Only), Warren, Pa.
Continental Refining Co. (Ltd.), Oil City, Pa.
Cornplanter Refining Co., Warren, Pa.
Crew-Levick Co., Land Title bldg., Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Emlenton Refining Co., Emlenton, Pa.
Empire Oil Works, Oil City, Pa.
Energine Refining Co. ("Energine" Fuel for Automobiles, Gasoline Engines, Naphtha Launches, etc.) Cleveland, O.
Germania Refining Co., Oil City, Pa.
Gulf Pipe Line Co., Frick bldg. annex, Pittsburg, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
INDIAN REFINING CO. (Crude Petroleum), Cincinnati, O. (See adv. index, end of book
Island Petroleum Co., Baltimore, Md.
Miller, A. D. Sons Co., Allegheny, Pa.
National Refining Co., Rose bldg., Cleveland, Ohio
Paragon Refining Co., Toledo, O.
Penn Refining Co., Oil City, Pa.
Pittsburg Oil Refining Co., Pittsburg, Pa.
Pure Oil Co., 5th & Chestnut, Phila., Pa.
Seneca Oil Works, Warren, Pa.
Standard Oil Co., 555 W 25th New York
Sun Co., Real Estate Trust bldg., Phila., Pa.
Texas Co., Houston, Tex., & 17 Battery pl, New York
Tide Water Oil Co., 11 B'way, New York
Titusville Oil Works, Titusville, Pa.
Union Petroleum Co., 135 S. 2d, Phila., Pa.
Warren Refining Co., Warren, Pa.

Pew End Mfrs.

McMillen, R. Co., Oshkosh, Wis.
Moore Mfg. Co., Springfield, Mo.
Peirce, W. E. & Co., Milford, N. H.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

Pharmaceutical Apparatus

(See Pharmaceutical Machinery: also Chemical Machinery)

Phonograph Horns

Nova Phono Horn Co., 22 Manhattan, New York
Shelp & Vandegrift (Inc.), ("Music Master" Wood), Phila., Pa.
Standard Metal Mfg. Co., 10 Warren, New York

Phonographs

(See Talking Machines)

Phosphate Rock

Palmetto Phosphate Co., Keyser bldg., Baltimore, Md.
Powers & Williams (Untreated Ground for Agricultural Purposes), Streator, Ill.
Virginia-Carolina Chemical Co., Richmond, Va.

Phosphor Bronze

Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
Damascus Bronze Co., Allegheny, Pa.
Edna Smelting & Refining Co., 525 Reading rd, Cincinnati, O.
Great Western Smelting & Refining Co., 173 W Kinzie, Chicago, Ill.
HUNGERFORD, U. T. BRASS & COPPER Co. (Sheets, Rods, Wire, etc.), 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
New Era Mfg. Co. ("Phosphoro Bronze"), Kalamazo, Mich.
Phosphor Bronze Smelting Co., 2200 Washington av, Philadelphia, Pa.
Reeves, Paul S. & Son, 1415 Catharine, Philadelphia, Pa.
Riverside Metal Co., Riverside, N. J.
Shimer, H. M. & Co., 19th & Washington av, Phila., Pa.

Phosphor Bronze Sheets

HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branches offices, end of book)
Phosphor Bronze Smelting Co., 2202 Wash'n av., Philadelphia, Pa.
Reeves, Paul S. & Son, 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

Phosphor Copper

Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Western Foundry Supply Co., 30 Church, New York

Phosphor Tin

Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
Empire Metal Co., Syracuse, N. Y.
Hoffeller Smelting & Refining Co., Buffalo, N. Y.
New Era Mfg. Co., Kalamazoo, Mich.
Syracuse Smelting Works, 464 10th av., New York
Waite, Ranlet & Co., Boston, Mass.

Phosphorizers

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)
McCullough-Dalzell Crucible Co., Pittsburg, Pa.
New Era Mfg. Co., Kalamazoo, Mich.

Phosphoro (Metallic)

New Era Mfg. Co. (Phosphor Tin Improved) Kalamazoo, Mich.

Phosphorus

General Chemical Co. (For Phosphor Bronze, etc.), 25 Broad, New York
Phospho Chemical Co., Marion, Ala.

Photographers (Architectural)

Archibald, David G., 345 E 33d, New York
Chautauqua Photographia Co., Empire bldg., Pittsburg, Pa.
Chicago Architectural Photographing Co. (Arch'l & Engineering), Marquette bldg., Chicago, Ill.
Darling, C. M., 122 W 36th, New York
Farnham, H. A., 936 F., N. W., Washington, D. C.
Johnston, R. W., 435 Wood, Pittsburg, Pa.
Langill, C. C., 10 E 14th, New York
McCollin, Thos. H. & Co., 54 N. 9th, Phila., Pa
Rockwood Photographer (Inc.), 1580 B'way, New York
Taylor, J. W., 324 Dearborn, Chicago, Ill.

Photographers' Automatic Contact Printing Frames

Vote-Berger Co., La Crosse, Wis.

Photometers

American Meter Co. (Jet, Sling, Letheby Stile "B," Closed & Portable), 561 W 47th, New York
Dwyer Machine Co., Lynn, Mass.
Electric Motor & Equipment Co. ("Deahler-McAllister"), Newark, N. J.
Foote-Pierson & Co., New York
Gurley, W. & L. E., Troy, N. Y.
Leeds & Northtrup Co. (Lamp Testing, "Reich Sanstalt" Precision & Station), Phila., Pa.
QUEEN & CO. (Inc.), m. w. c 8th & Arch, Phila., Pa. (See adv. index, end of book)

Pick Mfrs.

(See also Picks, Various Kinds)

American Axe & Tool Co., Glassport, Pa. & 253 B'way, New York
Ames Plow Co., Quincy Hall, Boston, Mass.
Coiclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.; 212 Water, New York
Gerber, Louis & Sons, 70 Walter av, Pittsburg, Pa.

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Iron City Tool Works, Ltd., 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., Breed & S 13th, Pittsburg, Pa.
Peck Edge Tool Co., Cohoes, N. Y.
Plumb, Fayette R., c Tucker and Trenton av, Philadelphia, Pa.
Pollard, Jos. G., 141 Raymond, Brooklyn, N.Y.
Union Drop Forge Co., 66 E Ohio, Chicago, Ill.
Warwood Tool Co., Wheeling, W. Va.

Pickaroons

Champion Tool & Handle Co., Evart, Mich.
Warren Axe & Tool Co., Warren, Pa.

Pickers (Bean)

Bacon Mfg. Co., Pontiac, Mich.

Pickers (Coffee & Peanut)

Lambert Food & Machine Co., Marshall, Mich.

Pickers (Corn)

(See Pickers & Huskers, Corn)

Pickers (Fruit)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Henry, John T. Mfg. Co. (Grape Pickers), Hamden, Mass.
Phila. Steel & Wire Co. ("Pennsylvania"), 525 Commerce, Phila., Pa.

Pickers & Huskers (Corn)

Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Taylor Husker & Shedder Co., Joliet, Ill.

Pickets (Red Cedar)

Lake Washington Mill Co., Seattle, Wash.

Picks (Asphalt Cutter)

Oliver Iron & Steel Co., Pittsburg, Pa.

Picks (Boiler)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Storts, John & Son, 210 Vine, Phila., Pa.

Picks (Bung)

Bradley's, G. W. Sons (Inc.), Westport, Conn.

Picks (Clay)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beaver Falls Mfg. & Fuel Co., Beaver Falls, Pa.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Warwood Tool Co., Wheeling, W. Va.

Picks (Coal)

(See Picks, Mining)

Picks (Contractors')

American Axe & Tool Co., Glassport, Pa.
Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Iron City Tool Works (Ltd.), 32d & Smallman, Pittsburg, Pa.
Isle, O. W. & Son, Boston, Mass.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Mack & Co. (Solid Edge, "Washoe" Patterns), Rochester, N. Y.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Warwood Tool Co., Wheeling, W. Va.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

*Picks (Cupola)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Picks (Drifting)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros (Inc.) (Solid Steel), Alton, Ill.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Hardsogg Mfg. Co., Ottumwa, Ia.
Hardsogg, Martin Co., Allegheny, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Warwood Tool Co., Wheeling, W. Va.

Picks (Fireman's Truck)

Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.

Picks (Ice)

Alaska Freezer Co. (Hand), Winchendon, Mass.
Arcade Mfg. Co. (Also Sliding Pick), Freeport, Ill.
Browne, W. S. Mfg. Co., Kingston, N. Y.
Browne & Dowd Mfg. Co., Meriden, Conn.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Deuse, J. S., Chester, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Ducharmes & Co., Shelburne Falls, Mass.
Erie Specialty Co. (Walker's), Erie, Pa.
Franklin Specialty Co. ("Dandy" Nickel Plated, Hickory Handle), Reading, Pa.
Gilchrist Co., Newark, N. J.
Griswold Mfg. Co. ("Classic"), Erie, Pa.
Halsey, C. W. ("Halsey" Ice Pick Clippers), Evansville, Ind.
Highton, Wm. & Sons, Nashua, N. H.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Landers, Frary & Clark (Steel Blade), New Britain, Conn.
Mayhew, H. H. Co., Shelbourne Falls, Mass.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Phoenix Hardware Co., Homer, N. Y.
Rocky Hill Hardware Co. (Awls, Chisels & Picks), Rocky Mill, Conn.
Schutte, E. G., & Co. ("Schutte"), 230 Stark, Cincinnati, O.
Smith, J. Barton Co., Norris & Hope, Phila.
Snell Mfg. Co., Fickdale, Mass. Pa.
Storts, John & Son (Also Ice Shavers), 210 Vine, Phila., Pa.
Stover Mfg. Co., Freeport, Ill.
Swan, Jas. Co., Seymour, Conn.
Troy Nickel Works (John E. Gaitley, Prop.), ("Alaska" Nickel Plated Picks and Breakers), Albany, N. Y.
Tuck Mfg. Co. (Ice Awls), Brockton, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

Picks (Locomotive Coal)

Dayton Malleable Iron Co. (Malleable Iron, Points Ore Case Hardened), Dayton, O.
Hubbard & Co., Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Mattock)

(See Mattocks)

Picks (Mill)

Anderson, W. H., Tool & Supply Co. (Coal), 14 Macomb, Detroit, Mich.
Black, J. B. ("Wm. Beatty & Sons" Cast Steel), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Evansville Tool Works, Evansville, Ind.
Falls Mfg. Co., San Francisco, Cal.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Higgins, John C. & Son ("Higgins"), 169 W Kinzie, Chicago, Ill.
Kern, Amandus, Fleetwood, Pa.
Mack & Co., Rochester, N. Y.
Mixter, J. W. Saw Tool Co. ("Mixter" Mill Stone), Plymouth, Mass.
Mohr, E. H., Vera Cruz, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Stortz, John & Son, 210 Vine, Phila., Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Mining)

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Buckeye Tool Co., Leetonia, O.
Evansville Tool Works, Evansville, Ind.
Fulton Tool Works ("Fulton" Coal), Canal, Fulton, O.
Gills, Jno. D. Sons, Philipsburg, Pa.
Hardsogg, Martin Co., Allegheny, Pa.
Hubbard & Co. (Coal, etc.), Pittsburg, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Jones & Laughlins Steel Co., Pittsburg, Pa.
Klein-Logan Co., Breed & S 13th, Pittsburg, Pa.
Oliver Iron & Steel Co. (Coal, etc.), Pittsburg, Pa.
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick," Coal, etc.), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Salem Tool Co. ("C. M. Day" Coal), Salem, Ohio
Union Drop Forge Co. (Solid Steel Forged), 69 Indiana, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Mining Machine)

Gerber, Louis & Sons, 70 Walter, Pittsburg, Pa.
Harris, Wm. & Son (Puncher Picks), Allegheny, Pa.
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Panama)

American Flexible Tool Co. (For all Purposes), Ithaca, N. Y.

Picks (Poll)

Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Oliver Iron & Steel Co., Pittsburg, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Puncher)

Harris, Wm. & Son, Pittsburg, Pa.
Massillon Foundry & Machine Co. (For Air Mining Machines for Coal), Massillon, O.

Picks (Railroad)

American Axe & Tool Co. (Adze, Eye, etc.), Glassport, Pa., & 253 B'way, New York
Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 606 Atlantic av, Boston
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Isle, A. W. & Son, Boston, Mass.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., Breed & S 13th, Pittsburgh, Pa.

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KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index, end of book)
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co., Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenbridge, Pa.
Union Drop Forge Co. (Forged Steel), 69 Indiana, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

GRINDING SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Picks (Stone)

Anderson, W. H. Tool & Supply Co. (Mill), 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Black, J. B., Chester, Pa.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, 32d & Smallman), Pittsburg, Pa.
Isle, A. W. & Son, 51 Pitt, Boston, Mass.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Warwood Tool Co., Wheeling, W. Va.

Picks (Surface)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Plumb, Fayette R. (Inc.) Frankford, Phila., Pa.
Warwood Tool Co., Wheeling, W. Va.

Picks (Tamping)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Beal Bros. (Inc.) (Solid Steel, Alton, Ill.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., Breed & S 13th, Pittsburg, Pa.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.

Pick-Ups (Trolley Wire)

Electric Service Supplies Co. ("G-D"), 1025 Filbert, Phila., Pa.
Ohio Brass Co., Mansfield, O.

Piezometers

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Simplex Valve & Meter Co., 112 N Broad, Phila., Pa.

Pig Copper

(See also Ingots, Copper, Etc.)

American Smelting & Refining Co., 165 B'way, New York
Frankel, J., 81 Fulton, New York
Hendricks Bros., 49 Cliff, New York

Pig Forceps

Leavitt Mfg. Co. ("Dr. Leavitt," "Sampson"), Urbana, Ill.

*Pig Iron

WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

*Pig Iron Warrants & Certificates

WHEELER, CHARLES CHILD, 113 B'way, New York. (See adv. index, end of book)

Pig Lead

(See Lead Pipe, Sheet & Pig Lead)

Pig Zinc

American Smelting & Refining Co., 165 B'way, New York
Sandoval Zinc Co., 122 N Peoria, Chicago, Ill. Works: Sandoval, Ill.

Pigeons (Clay)

Hoyt Metal Co., St. Louis, Mo., & Perth Amboy, N. J.

Pigments

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Excelsior Mfg. Co., Newport, Del.
Hanna & Andrus Mfg. Co. (Umbers), Chicago, Ill.
International Acheson Graphite Co. (Graphite), Niagara Falls, N. Y.
Smith, J. Lee, & Co. (Turkey Umber), 59 Frankfort, New York

Pile Driver Fittings

NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
Vulcan Iron Works, Fulton & Irving av, Chicago, Ill.

Pile Drivers (Pneumatic)

(See Pneumatic Pile Drivers)

Pile Drivers (Railroad Car)

Beatty, M. & Sons, Wellard, Ontario, Can.
Bucyrus Co. (Locomotive), South Milwaukee, Wis.
Industrial Works, Bay City, Mich.
Toledo Foundry & Machine Co., Toledo, O.
Vulcan Iron Works, 59 Milwaukee av., Chicago, Ill.

*Pile Drivers (Sheet)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pile Drivers (Steam)

(See Pile Driving Machinery)

Pile Driving Contractors

(See also Dock Builders)

Armstrong & Latta, Land Title bldg, Phila., Pa.
Beaver Dam Lumber Co., Cumberland, Wis.
Blakeman, M. A., Bridgeport, Conn.
Boston Oak Pile Co., 27 Kilby, Boston Mass.
Bradley, W. B. Construction Co., Richmond, Va.
Burgeson, C. F., 811 S G, Tacoma, Wash.
Burk, Walter F. & Co., 95 Milk, Boston, Mass.
Byrne, Thos. S., 5502 S. Halsted, Chicago, Ill.
Cavanagh Bros., 471 Dorchester av, S. Boston, Mass.
Cavanagh, Geo. H., 166 Devonshire, Boston Mass.
Chapman, A. F. & Co., Prudential bldg, Buffalo, N. Y.
Cleary, James, 244 14th, Jersey City, N. J.
Costello & Neagle, Elmira, N. Y.
Cotter, Wm. T., Jacksonville, Fla.
Cram, D. Henry, 28 Powers st., S. Boston, Mass.
Crimmins, Thos., Contracting Co., 444 E. 69th, New York
Cronin, Barth. S., 573 Clinton, Brooklyn, N. Y.
Cross, E. Son Co. (Inc.), Portsmouth, Va.
Derry, Chas. T. & Co., 68 Devonshire, Boston, Mass.
Dubois, Henry Sons Co., 17 State, New York
Dupuis, A. J. Co., 15 Atwater, Detroit, Mich.
Fath, C. H. & Son Construction Co., Electric bldg, Cleveland, O.
Fitzsimons & Connell Co., Tacoma bldg, Chicago, Ill.
Fruin-Bambrick Construction Co., Chemical bldg, St. Louis, Mo.
Glandorf, C. H., 8th & Plum, Cincinnati, O.
Glenn, Benj., 2300 E Balto., Baltimore, Md.
Great Lakes Dredge & Dock Co., 128 Washington, Chicago, Ill.
Griffin, M. J., Detroit, Mich.
Harbrecht, Louis, 368 Connecticut, Buffalo, N. Y.
Hathaway, J. E. & Co., Canal n 1st av, Milwaukee, Wis.
Hayes, Geo., Co., 166 Devonshire, Boston, Mass.
Henhoeffer & Vaughan, Camden, N. J., & Wilmington, Del.
Humphreys, Geo., 135 W 9th, Brooklyn, N. Y.
Jenks, Edw. B. Co., 143 Liberty, New York
Kansas City Bridge Co., Kansas City, Mo.
Lake Superior Piling Co., Duluth, Minn.
Lawler Bros., 16 City sq, Chsn
Leh, Jeremiah H., 50 Exchange, Buffalo, N. Y.
Love, Robt., Muskegon, Mich.
Mayo Contracting Co., 43 Tremont, Boston, Mass.
McCully Construction Co., Houser bldg, St. Louis, Mo.
McDonald, C. I. & Co., House bldg, Pittsburg, Pa.
McGiffin, James & Co., Fernandina, Fla.
McLean Contracting Co., Md. Trust bldg, Baltimore, Md.
McNally, Thos. Co., Bates & 2d av., Pittsburg, Pa.
Miller, Wm. L., 166 Devonshire, Boston, Mass.
Monks, Jno. & Sons, 82 Beaver, New York
Moore-Mansfield Construction Co. (Inc.), Bd. of Trade bldg., Indianapolis, Ind.
Murray, W. D. & Co., Norfolk, Va.
North American Dredging Co., Merchants' Ex. bldg., San Francisco, Cal.
Norton, F. A., 270 Lexington, E. B., Boston, Mass.
Norton, Wm. A., 285 Dorchester av, Boston, Mass.
Parks, Geo. & Sons, 217 15th, Buffalo, N. Y.
Rendle, W. S. Co., 135 Prescott, E. B., Boston, Mass.
Ross, P. Sanford, 227 Wash'n, Jersey City, N. J., & Savannah, Ga.
Ruggles, Thos. E., 95 Milk, Boston, Mass.
Sanford & Brooks Co., 15 South, Baltimore, Md., & Norfolk, Va.
San Francisco Bridge Co., San Francisco, Cal., & 21 Park row, New York
Scott, Thos. A. Co., New London, Conn.
Scully, John T., Foundation & Transportation Co., Cambridge, Mass.
Sea Coast Construction Co., 255 5th av., New York
Smith Construction Co., 2931 Easton av., St. Louis, Mo.
Smith, H. W. & E. G., 362 Border, Boston, Mass.
Spearin & Preston, 90 West, New York
Staats, R. P. & J. H., 29 B'way, New York
Standard Contracting Co., 63 Wade bldg., Cleveland, O.
Steers, Henry, Jr., 1 B'way, New York
Stebbings, W. L., Monadnock blk., Chicago, Ill.
Stender, F. O. & Co., 139 Rhodes, Providence.
STEWART, JAS. & CO., New National Bank of Commerce bldg, St. Louis, Mo. (For complete list of branch offices see end of book)
Stillman, F. M. Co., 26 Exchange pl., Jersey City, N. J.
Strong, Chas. H., & Son, Cleveland, O.
Sweeten, B. F., & Son, Camden, N. J.
Tatnall-Brown Co., 109 King, Wilmington, Del.
Terry, J. C., Fall River, Mass.
Triune City Construction Co., Norfolk, Va.
Trumbull, C. E. Co., 1121 Tremont bldg, Boston, Mass.
Tidd Lyman R., 166 Devonshire, Boston, Mass.
Walsh, Jno. D., 397 Hancock, Brooklyn, N. Y.
Walsh & Masterson, 95 Clark, Chicago, Ill.
Waterhouse, C. R., Jr., New Haven, Conn.
Wetherill Bros. Contracting Co., Chester, Pa.
Whitney Bros., Superior, Wis.
Zachan, August, Superior, Wis.

Pile Driving Machinery

(See Machinery, Pile Driving)

Pile Shoes

Bethlehem Foundry & Machine Co. (Cast Iron), South Bethlehem, Pa.

Bond, Vivian

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Janney, Steinmetz & Co., 4th & Market, Phila., Pa.
MUNDY, J. S., 22 Prospect, Newark, N. J. (See adv. index & branch offices, end of book)
NATIONAL HOISTING ENGINE CO., Harrison, N. J. (See adv. index & branch offices, end of book)
Toledo Foundry & Machine Co., Toledo, O.
Vulcan Iron Works, 59 Milwaukee av., Chicago, Ill.

Piles (Concrete)

Corrugated Concrete Pile Co. of America, 1170 B'way, New York
Cranford Paving Co., 15th & G, N W, Washington, D. C.
Cummings Structural Concrete Co. (Reinforced), Commonwealth bldg. Pittsburg, Pa.
Foundation Co. (Engineers & Contractors), 115 B'way, New York
Goff, Horner & Co. (Ltd.) ("Cummings" Reinforced), Frick bldg., Pittsburg, Pa.
Lock Joint Pipe Co. (Cement Lock Joint), 346 B'way, New York
Mess, L. & Co. (Compressed System), San Francisco, Cal.
Raymond Concrete Pile Co. ("Raymond"), 135 Adams, Chicago, Ill.
Simplex Concrete Piling Co. ("Simplex"), 3400 Disston, Phila., Pa.
Underwriters Engineering & Construction Co., 1170 B'way, New York

Piles (Ocean Pier, etc.)

National Tube Co. (Tubular Pipe), Pittsburg, Pa.

Piling (Interlocking Sheet Wood)

United States Steel Piling Co., 135 Adams, Chicago, Ill.

Piling (Interlocking Steel)

Carnegie Steel Co. ("Friestedt" Interlocking Channel Bar), Pittsburg, Pa.
Goff, Horner & Co. (Reinforced), Frick bldg., Pittsburg, Pa.
Jackson, Geo. W. (Inc.) ("Jackson's"), 169 W Jackson boul, Chicago, Ill., & 46 Wall, New York
Lackawanna Steel Co., Buffalo, N. Y.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
United States Steel Piling Co., 135 Adams, Chicago, Ill.
Wemlinger Steel Piling Co., 11 B'way, New York

Piling Lumber

(See Ties, Poles & Posts)

Piling (Sheet)

Norfolk Creosoting Co., Norfolk, Va.

Piling (Sheet Steel)

Carnegie Steel Co. ("United States"), Pittsburg, Pa.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
ton" Shoe, etc.), 693 B'way, New York
Vanderkloot Steel Piling Co., 135 Adams, Chicago, Ill.
Wemlinger Steel Piling Co., 11 B'way, New York

Pinch Dogs (Pattern Makers')

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), Newark, N. J.

Pinchers

cade Mfg. Co. (Cast Iron), Freeport, Ill.
Tool Co. (Farriers, etc.), ft. of Chapel, Newark, N. J.
ampion Tool Co. ("Maud-S" Farriers', Carpenters & Hardware), Meadville, Pa.
Tool Co. (Farriers, etc.), Downers Grove, Ill.
Mfg. Co., San Francisco, Cal.
re & Woodenware Mfg. Co. ("Brighton" Shoe, etc.), 693 B'way, New York
Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Y. S. & Co. ("C. S. O. & Co." Saddlers), Harrison, N. J.
Peck, Stow & Wilcox Co. (All Kinds), Southington, Conn.
Smith, H. D., & Co. ("S.." "H. D. S. & Co." Blacksmiths' Shoeing, Carpenters', Farriers', Drop Forged), Plantsville, Conn.
Star Heel Plate Co., 65 Polk, Newark, N. J.
Vaughn & Bushnell Mfg. Co. ("V. & B." Drop Forged, Carpenters', Blacksmiths', Farriers' "), 875 W Carroll av, Chicago, Ill.
Washington Tool Co. ("Larson" Combination, etc.), Owatonna, Minn.

Pinions

(See Gears & Pinions)

*Pinions (Car Motor)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Pinions (Cut)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Pinions (Combination Mill)

FAWOUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end of book)

Pinions (Electric Railway)

(See Gears & Pinions)

*Pinions (Made to Order)

NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)

*Pinions (Mine Motor)

NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)

*Pinions (Mining Machine)

NUTTALL, R. D. CO., Fayette & Garrison pl., Pittsburg, Pa. (See adv. index, end of book)

*Pinions (Pressed Steel)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Pinions ("Quride")

(See Gears & Pinions, "Quride")

Pinions (Rawhide)

(See Gears & Pinions, Rawhide)

Pins (Air Brake)

American Iron & Steel Mfg. Co., Lebanon, O.
Champion Rivet Co. (Air Brake), Cleveland, O.
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.
New Castle Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
Steel Car Forge Co., Pittsburg, Pa. Works: Elwood City, Pa.

Pins (Belaying)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Dubuar, J. A. Mfg. Co., Northville, Mich.
Laughlin, Thos. Co., Portland, Me.
McMillan's, W. H. Sons, 153 South, New York
Marine Hardware & Equipment Co., South Portland, Me.
Maryland Steam Block & Pump Works, Baltimore, Md.
Oshkosh Tool Mfg. Co., Oshkosh, Wis.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

Pins (Blanket)

Kohler, F. E., & Co. ("Ideal"), Canton, O.

Pins (Brass, Dress, Etc.)

Crescent Brass & Pin Co. (Bank & Office Brass), Detroit, Mich.
Howe Mfg. Co. (Also Shawl, Book, Corking & Mourning), Derby, Conn.
Star Pin Co. (Brass, Mourning, Hair, etc.), Derby, Conn.

Pins (Bricklayers' Line)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Stortz, John, & Son, 210 Vine, Phila. Pa.

Pins (Butchers' Block)

Vaughn & Bushnell ("V. & B." Wrought Steel), 875 W Carroll av, Chicago, Ill.

Pins (Chain)

Transue & Williams Co., Alliance, O.

Pins (Channel)

Ristine Co. ("Acme"), The Rookery, Chicago, Ill.

Pins (Clothes)

Dermeritt & Palmer Packing Co. ("U. S." Spring), Waterbury, Vt.
Dodge Clothespin Co., Coudersport, Pa.
Escanaba Woodenware Co., Escanaba, Mich.
Estes, E. B. & Sons, 75 Warren, New York
Mann, Lewis M., & Son, West Paris, Me.
Peirce, W. E. & Co., Milford, N. H.
Putnam, C. C., & Son ("Putnam" Spring), Putnamville, Vt.
Tennant, Sherman (Est. of), Northville, N. Y.
U. S. Clothespin Co., Montpelier, Vt.

Pins (Coupling)

(See Links & Pins, Coupling)

Pins (Dowel)

(See also Dowels, Various Kinds)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Cleveland Fillet Co. (Pattern Makers' Wood & Metal), Cleveland, O.
Connecticut Box Co., New Haven, Conn., & 30 Church, New York
Hawker, W. S. Mfg. Co., Dayton, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Igoe Bros. (Barbed), 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Kokomo Steel & Wire Co. (Barbed), Kokomo, Ind.
MORSE, FRANK W., 516 Atlantic av., Boston, Mass. (See adv. index, end of book)
Norton Iron Works (Barbed), Ashland, Ky.
Oliver Machinery Co. (Brass), Grand Rapids, Mich.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Phillips, Townsend & Co., N 4th & Glenwood av, Phila., Pa.
Rowe, Henry Mfg. Co. (Wood), Newaygo, Mich.
Shansfelt Mfg. Co. (Brass & Wood), Canton, O.
Stephenson Mfg. Co. (Pointed & Spiral Grooved, etc., Wooden), South Bend, Ind.
Winkley Co. (Brass), Hartford, Conn.
Youngstown Sheet & Tube Co. (Barbed), Youngstown, O.

*Pins (Drapery)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Pins (Drift)

CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Oliver Iron & Steel Co., Pittsburg, Pa.

Pins (High Tension)

Metal Finishing Co., Union City, Conn.

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Pins (Hinge)

Corbin Screw Corporation, New Britain, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Reed & Prince Mfg. Co., Worcester, Mass.

Pins (Insulator)

(See Cross Arms, Brackets, Etc., Steel; also Cross Arms, Wood)

Pins (Knuckle)

American Iron & Steel Mfg. Co., Lebanon, Champion Rivet Co., Cleveland, O. Pa.
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.
New Castle Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Q. M. S. Co. (Drop Forged), Plainfield, N. J.
Scranton Bolt & Nut Co., Scranton, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Farmers' Bank bldg, Pittsburg, Pa.

Pins (Picket or Tent)

NIAGARA FALLS METAL STAMPING Co. (Picket & Tent), Niagara Falls, N. Y. (See adv. index, end of book)
Oliver Iron & Steel Co. (Straight or Spiral), Pittsburg, Pa.

Pins (Rolling)

Sommer's, Jno. Son (Wooden), Newark, N. J.
Hawes-Laanna Co., Towanda, Pa.

Pins (Safety)

American Pin Co., Waterbury, Conn.
Consolidated Safety Pin Co., Bloomfield, N. J.
Oakville Co., Waterbury, Conn.

Pins (Sash)

Estes, H. B. & Sons (Wooden), 75 Warren, New York
Kearsage Peg Co. (Wood), Bartlett, N. H.
Peirce, W. E. & Co. (Wood), Milford, N. H.
Western Brass Mfg. Works (Brass & Bronze), 21st & Rockwell, Chicago, Ill.
Wire Goods Co. (Barbed), Worcester, Mass.

Pins (Special)

Blake & Johnson Co. (Aluminum & German Silver), Waterbury, Conn.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Progressive Mfg. Co. (Steel, Copper, Brass German Silver, etc.), Torrington, Conn.

Pins (Stove Door)

Corbin Screw Corporation ("Kuhn's"), New New Britain, Conn.
Ohio Nut & Bolt Co., Berea, O.

Pins (Taper)

Anthony Screw Co., Worcester, Mass.
Cassady-Fairbanks Mfg. Co., 610 La Salle, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hartford Machine Screw Co., Hartford, Conn.
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
NATIONAL-ACME MFG. CO. (Standard Steel), 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Perry-Fay Mfg. Co., Elyria, O.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
St Louis Screw Co., 600 E Clarence, St. Louis, Mo.
Standard Tool Co., Central av & P. Ry, Cleveland, O.
Wells, F. E. & Son Co., Greenfield, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio
Worcester Machine & Screw Co., Worcester, Mass.

Pins (Telegraph)

Oliver Iron & Steel Co. (Steel), Pittsburg, Pa.

Pins (Turn)

Johnson, Wm. (Hedenberg Works), Newark, N. J.

Pipe Asphalted)

National Tube Co., Pittsburg, Pa.

Pipe Bending Machines

(See Machines, Pipe Bending)

Pipe Bends & Coils

Albright, Son & Co. (Wrought Iron), Allentown, Pa.
American Foundry & Construction Co., 4716 2d av, Pittsburg, Pa.
American Tube Works, 20 Gold, New York
ANDERSON FORGE & MACHINE CO., 271 Guion, Detroit, Mich. (See adv. index, end of book)
Best Mfg. Co. (Band from 1-8 to 30), 25th & B. B., Pittsburg, Pa.
Boston Copper Works Co., 84 Marginal, E. B., Boston, Mass.
Casey-Hedges Co., Chattanooga, Tenn.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Dame & Townsend Co., Cliff & Fulton, New York
Detroit Shipbuilding Co. (Brass Dept.) (Copper), Detroit, Mich.
Goetz & Flodin Mfg. Co. (Copper), 109 W Chicago av, Chicago, Ill.
Harris, Arthur & Co. (Copper), 44 N Curtis st, Chicago, Ill.
Harrisburg Pipe & Pipe Bending Co. (Iron, Copper & Brass), Harrisburg, Pa.
Kellogg, M. W., Co., 50 Church, New York
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Langsenkamp, Wm. & Son, Indianapolis, Ind.
Lumsden & Van Stone Co., Boston, Mass.
Mitchell, W. K. & Co., Schuylkill av & Ellsworth, Philadelphia, Pa
National Pipe Bending Co. (Brass, Iron & Copper), New Haven, Conn.
National Tube Co., Pittsburg, Pa.
Philadelphia Pipe Bending Works, 4129 N 5th, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Piping & Equipment Co. (Up to 30 inches in diameter), 34th & Smallmann, Pittsburg, Pa.
PITTSBURGH VALVE, FOUNDRY & CONStruction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Rempe Co. (Wrought Iron), N Sacramento & Carroll avs, Chicago, Ill.
SCAIFE, WM. B., & SONS CO. (Copper), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Simmons Pipe Bending Works, 142 Centre, New York. Factory: Newark, N. J.
Vogt, Henry Machine Co., Louisville, Ky.
Walworth Construction & Supply Co., 100 Pearl, Boston, Mass.
Whitlock Coil Pipe Co. (Iron, Brass & Copper), Hartford, Conn.

Pipe (Block Tin)

(See also Lead Pipe & Sheet & Pig Lead)
American Pipe Mfg. Co. ("The Phippa"), 114 N Broad, Phila., Pa.
Bishchford, E. W. Co., 70 N Clinton, Chicago, Ill.
Chadwick-Boston Lead Co., Boston, Mass.
Colwell Lead Co., 109 Lafayette, New York
Lewis, Jno. T. & Co., 231 S Front, Phila., Pa.
National Lead Co., 100 William, New York
National Lead & Oil Co. of Pa., Pittsburg, Pa.
Robertson, Jas. Mfg. Co., 14 S Hanover, Baltimore, Md.
Selby Smelting & Lead Co., San Francisco, Cal
United Lead Co., 100 William, New York

Pipe Buckles

Boston Bolt Co., 40 Farnsworth, Boston, Mass.

Pipe (Cast Iron)

(See Cast Iron Pipe Manufacturers for Gas & Water Mains; also Cast Iron Soil Pipe Manufacturers)

Pipe (Cast Iron Drain or Culvert)

Gallon Iron Works Co., Gallon, Ohio
National Cast Iron Drain Pipe Co. (Short Length Drain Pipe), 220 B'way, New York

*Pipe (Cast Iron, High Pressure)

PITTSBURGH VALVE, FOUNDRY & CONstruction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Pipe (Cast Steel)

Penn Steel Casting & Machine Co. (From 6 inch Up), Chester, Pa.
Seaboard Steel Casting Co., Chester, Pa.

Pipe Cement (Cast Iron Soil)

SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)

Pipe Clamps (Steam Joint)

(See Clamps, Pipe)

Pipe Coils

(See Pipe Bends & Coils)

*Pipe Covering or Casing (Steam Wyckoff Waterproof)

WYCKOFF, A. & SON CO., Elmira, N. Y. (See adv. index, end of book)

Pipe Coverings

(See Pipe & Boiler Coverings, Various Kinds)

Pipe (Culvert, Metallic)

Economy Culvert Co. (Corrugated Metal), Auburn, N. Y.
Isham-Miller Co. (Inc.) (Sectional), Butternut, Mich.
Penna Metal Culvert Co. (Corrugated Metal), Warren, Pa

Pipe Cutting & Threading Machines

(See Machines, Pipe Cutting & Threading)

Pipe Fittings

(See Fittings, Pipe, Etc.)

Pipe (Flange, Flexible Joint)

United States Cast Iron Pipe & Foundry Co., 71 B'way, New York, & The Rookery, Chicago, Ill.

*Pipe Foundry Plants

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index, end of book)

Pipe (Galvanized Iron)

(See Pipe & Tube Mills)

Pipe (Glass)

(See Glass Pipe Manufacturers)

Pipe Holders

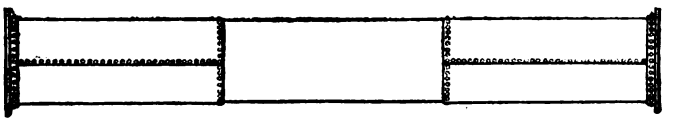
(See Holders, Pipe Nipple)

Pipe (Hydraulic)

American Pipe Mfg. Co. ("Phippa'" Patent Iron Riveted, Cement Lined), 112 N Broad, Phila., Pa
AMERICAN SPIRAL PIPE WORKS, W. 14th & 48th av., Chicago, Ill. (See adv. index & branch offices, end of book)

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PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Power & Mining Machinery Co. (Riveted Steel), Cudahy, Wis.
Reading Iron Co., Reading, Pa.
Union Iron Works, Spokane, Wash.
Youngstown Sheet & Tube Co., Youngstown, O.

Pipe (Hydraulic, Steel Riveted)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
AMERICAN SPIRAL PIPE WORKS ("Taylor's"), W 14th & 48th av, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
Aurora Boiler Works (Inc.), Aurora, Ill.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Pittsburg Steel Construction Co., Lewis blk., Pittsburg, Pa. Works: Economy, Pa.
Pollock, Wm. B. Co., Youngstown, O.
Power & Mining Machinery Co., Cudahy, Wis.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Pipe (Iron, Lead & Tin Lined)

Lead Lined Iron Pipe Co., Wakefield, Mass.
Non-Corrosive Valve & Pipe Co., 25 W. 1st, S. B., Boston, Mass.

Pipe Joint Paste

(See Cements, Pipe Joint)

Pipe Jointing Materials

Leadite Co. of America ("Leadite" for Water Mains), 1215 Filbert, Phila., Pa.

Pipe (Kalameined)

National Tube Co., Pittsburg, Pa.

Pipe (Lead)

(See Lead Pipe, Sheet & Pig Lead)

Pipe (Lead, Tin Lined)

(See also Lead Pipe & Sheet & Pig Lead)

Bailey-Farrell Mfg. Co., 3d & Ross, Pittsburg, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Colwell Lead Co., 109 Lafayette, New York
Lewis, Jno. T. & Bros. Co., 231 S Front, Phila. Pa.
National Lead Co., 100 William, New York
Tatham & Bros., 261 Water, New York
United Lead Co., 100 William, New York

Pipe (Lock Bar, Steel)

East Jersey Pipe Co. ("Ferguson"), Paterson, N. J.

*Pipe (Punched & Formed Sheets)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
AMERICAN SPIRAL PIPE WORKS, W. 14th & 48th av, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
SHAW, BENJ. F. CO. ("Shaw's"), Wilmington, Del. (See adv. index, end of book)

Pipe (Railroad Culvert)

Dickey, W. S., Clay Mfg. Co., Kansas City, Mo.
Evens & Howard Fire Brick Co., St. Louis, Mo.

*Pipe (Recessed Joint)

SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Pipe (Riveted Steel)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ABENDROTH & ROOT MFG. CO. (Straight Seam & "Root" Spiral), Newburgh, N. Y. (See adv. index & branch offices, end of book)
AMERICAN SPIRAL PIPE WORKS (And Sheet Iron, "Taylor's"), W. 14th & 48th av., Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Carroll-Porter Boiler & Tank Co., Empire bldg, Pittsburg, Pa. Works: Wellsville, O.
Columbiana Boiler Co., Columbiana, O.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Consolidated Pipe Co., Los Angeles, Cal.
East Jersey Pipe Co. (Water & Sewer), Paterson, N. J.
Elba Iron Mfg. Co., Beverly, N. J.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Gillespie, T. A., Westinghouse bldg., Pittsburg, Pa., & 90 West, New York
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hammond Iron Works, Warren, Pa.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Hodge Boiler Works, Boston, Mass.
Honolulu Iron Works Co., Honolulu, Hawaii
KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)
King Bridge Co., Cleveland, O.
Kittoe Boiler & Tank Co., Canton, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lacy Mfg. Co., Los Angeles, Cal.
Leetonia Boiler Co., Leetonia, O.
Leffel, Jas. & Co. (Inc.), Springfield, O.
McAleenan Boiler Co., Peoria, Ill.
McNeil, Jas. & Bro. Co., Pittsburg, Pa.
Meehan Boiler & Construction Co., Lowellville, Ohio
MINNEAPOLIS STEEL & MACHIN-ery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Pelton Water Wheel Co., Monadnock bldg., San Francisco, Cal., & 90 West, New York
PETROLEUM IRON WKS. CO. ("Lowe"), Sharon, Pa., & Farmers' Bank bldg., Pittsburg, Pa. (See adv. index, end of book)
Phoenix Iron Works, Meadville, Pa.
Pollock, Wm. B., Co., Youngstown, O.
Power & Mining Machinery Co., Cudahy, Wis.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co., 55 Water, Pittsburg, Pa., & 111 B'way, New York
San Francisco Bridge Co., San Francisco, Cal., & 1 Park Row, New York
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Schaw-Batcher Co., San Francisco, Cal.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Smith, Francis & Co., 83 Fremont, San Francisco, Cal.
Springfield Boiler & Mfg. Co., Springfield, Ill.
Standard Boiler & Plate Iron Co., Niles, O.
Struthers-Wells Co., Warren, Pa.
Trump Mfg. Co., Springfield, O.
Tudor Boiler Mfg. Co., Cincinnati, Ohio
Union Iron Works, Spokane, Wash.
Union Iron Works Co., San Francisco, Cal.
Warren City Boiler Works, Warren, O.
Weigele Riveted Steel Pipe Works, Larimer & 30th, Denver, Colo.
Western Pipe & Steel Co., Los Angeles, Cal.

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(See Tubing, Cold Drawn Seamless Steel)

*Pipe (Seamless Pontoon)

SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

*Pipe (Seamless Rolled Steel)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)

Pipe (Spiral Lock Seam)

Lamb & Ritchie Co., Cambridge, Mass.

Pipe (Spiral Riveted)

ABENDROTH & ROOT MFG. CO. (For Pressures up to 300 lbs.), Newburgh, N. Y. (See adv. index & branch offices, end of book)

Abendroth & Stein (Inc.), 39 Cortlandt, New York

AMERICAN SPIRAL PIPE WORKS ("Taylor's" Steel), W. 14th & 48th avs., Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index, & branch offices, end of book)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)

*Pipe Stands (Portable)

ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)

Pipe (Steel)

(See Pipe & Tube Mills)

Pipe (Steel Riveted)

(See Pipe, Riveted Steel)

Pipe Stocks & Dies

(See Stocks & Dies)

Pipe Thawing Apparatus

French, S. K., Brooklyn, Mich.

Pipe Threading Machines

(See Machines, Pipe Cutting & Threading)

Pipe (Tin Lined)

(See Pipe, Iron, Lead & Tin Lined)

Pipe (Tuyere)

Albright, Son & Co., Allentown, Pa.
Hartman Co. (Etc., for Blast Furnace), 1231 N Front, Phila., Pa.
National Tube Co., Pittsburg, Pa.

Pipe (Welded Iron & Steel)

Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa.
Kellogg, M. W., Co., 50 Church, New York
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Pipe Welding

Rempe Co. (By Electricity), N Sacramento & Carroll avs, Chicago, Ill.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Pipe (Wood)

American District Steam Co., Lockport, N. Y.
Eastern Mfg. Co. ("Elmira"), Elmira, N. Y.
Excelsior Wooden Pipe Co. (Wooden Stave Pipe), San Francisco, Cal.
Michigan Pipe Co. (Improved Wyckoff), Bay City, Mich.
Holmes & Allen Pipe & Construction Co. (Wood Stove Pipe), Denver, Colo.
Michigan Pipe Co. (also Wood, Acid), Bay City, Mich.
National Wood Pipe Co. ("Woodward"), 268 Market, San Francisco, Cal., & Los Angeles, Cal.
Puget Sound Pipe Co., Olympia, Wash.
Soderberg, J. A. & Co., Seattle, Wash.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Washington Pipe & Fdry. Co., Tacoma, Wash.
Williamsport Wooden Pipe Co. (Up to 12 inches), Williamsport, Pa.
WYCKOFF, A. & SON CO., Elmira, N. Y. (See adv. index, end of book)
Woods, G. R. Sons, Sheffield, Pa.
Wyckoff Pipe & Creosoting Co. (Acid Proof), 50 Church, New York

Pipe (Wood Fibre)

Fibre Conduit Co., Orangeburg, N. Y.

*Pipe (Wooden Stave)

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

Pipe (Wrought Iron, Cement Lined)

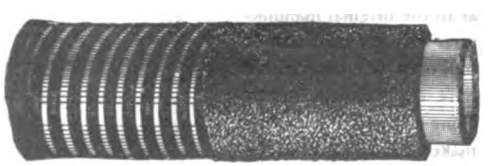
American Pipe Mfg. Co. ("Phipps'" Patent), 114 N Broad, Phila., Pa.

Pipe (Wrought Iron, Jobbers)

(See also Steam Fitters' Supplies; for Manufacturers see Pipe & Tube Mills)

CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

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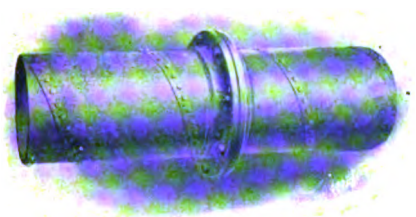
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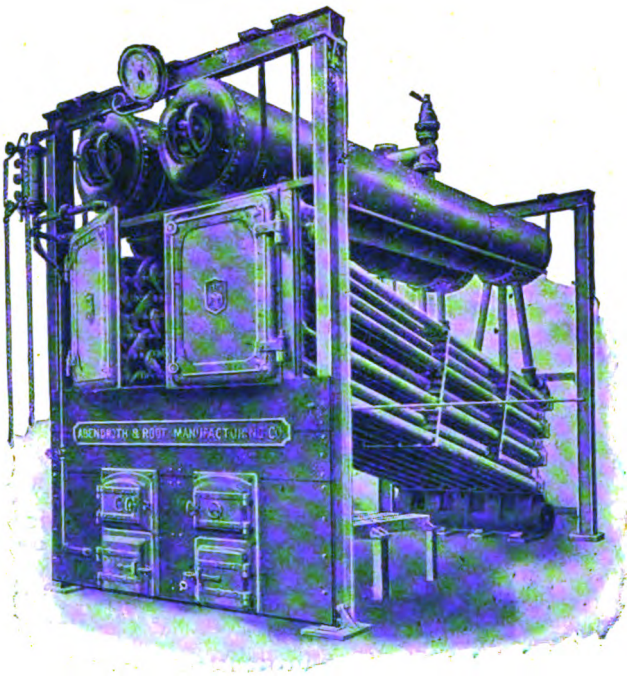
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THE IMPROVED

ROOT WATER-TUBE BOILER

is a Sectional Water-Tube Boiler of the highest grade, and unrivalled for fuel economy, easy steaming qualities, safety and low cost of repairs, with large capacity for overload.

ENDORSED BY U. S. GOVERNMENT



USED ON PANAMA CANAL

ROOT SECTIONAL WATER-TUBE BOILER

All parts subject to wear and replacement are interchangeable and the boiler can be made so sectional as to admit of transportation on mule back through mountainous regions.

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PFAFF & KENDALL (New & Second Hand), Ferry & Foundry, Newark, N. J. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
SIMMONS, JOHN CO., 110 Centre, New York. (See adv. index, end of book)
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Pipe (Wrought Iron Mfrs.)

(See Pipe & Tube Mills; also Tubing) Seamless Steel, Etc.)

*Pipe (Wrought Iron, Second-Hand)

PFAFF & KENDALL, Ferry & Foundry, Newark, N. J. (See adv. index, end of book)

Pipe (Wrought Steel)

(See Pipe & Tube Mills)

Pipe & Boiler Covering Mfrs.

(See Sub-classifications following)

(For Jobbers in these Goods, see Mill & Factory Supplies; also Steam Fitters' Supplies Jobbers)

Ainsworth Covering Co. (Asbestos), Wilmington, Del.
American Asbestos Co., Minneapolis, Minn.
American Insulating Material Mfg. Co. (Granite Rock Wool), Alexandria, Ind.
Barrett Mfg. Co., Land Title bldg., Philadelphia, Pa.
Bonsall & Son, 862 Northland av, Buffalo, N. Y.
Bowen & Martin, 112 S 2d, Phila., Pa.
Boyd, Jas. & Bro., 14 N 4th, Phila., Pa.
Brunett, Frank O. (Asbestos), 396 Smith, Brooklyn, N. Y.
Carey, Philip Mfg. Co. (Asbestos & Magnesia), Lockland, O.
Chicago Fireproof Covering Co., 171 Randolph, Chicago, Ill.
Conkling, S. P., 20 Atwater, E., Detroit, Mich.
Covering & Supply Co. (Magnesia-Asbestos), 232 West, New York
Douglas, Daniel R., & Co. (Dealers & Contractors), 136 Liberty, New York
Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Federal Asbestos Mfg. Co. (Asbestos), Alli-
Fossil Meal Co., 2 Cedar, N. Y. ance, O.
Franklin Mfg. Co. (Asbestos), Franklin, Pa.
Gilmour R. M. Mfg. Co., 105 John, New York
Hardy & Tierney (Asbestos & Hair Felt), 410 E 23d, N. Y.
Houghton, E. F. & Co. ("Virtue" Sectional Asbestos), 240 Somerset, Phila., Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey, Robert A., 100 N Moore, New York
Keasbey & Mattison Co. (Main Office & Works, Ambler, Pa.), 100 Johns, New York
Kramig, R. E. & Co. (Asbestos), 284 E 6th, Cincinnati, O.
Magnesia Covering Co., North American bldg, Philadelphia, Pa.
Manville Covering Co., 283 Pitman, Providence, R. I.
Midland Asbestos Co., Kansas City, Mo.
National Air Cell Covering Co. (Air Cell & Wool Felt), 200 Van Brunt, Brooklyn, N. Y.
New Jersey Asbestos Co., Camden, N. J.
New York Asbestos Mfg. Co. (Asbestos & Magnesia), 80 John, New York
Nightingale & Childs Co., 205 Congress, Boston, Mass.
Norristown Magnesia & Asbestos Co. (Asbestos), etc.), Norristown, Pa.
Nott, W. S. Co., Minneapolis, Minn.
Oil City Asbestos Co., Oil City, Pa.
Racich, Jacob, 525 W 54th, New York
Sall Mountain Asbestos Mfg. Co., 68 S Canal, Chicago, Ill.
Selph, Jno. A. (Asbestos Magnesia), Richmond, Va.
Springfield Asbestos Co., 54 Taylor, Springfield, Mass.
Standard Pipe Covering Co., 3748 E 71st, Cleveland, O.
Trainer, C. W. Mfg. Co., 89 Pearl, Boston, Mass.
Union Fibre Co. ("Lith," Cork), Winona, Minn.
U. S. MINERAL WOOL CO. (Mineral Wool), 140 Cedar, New York. (See adv. index, end of book)
Valleau, T. M. & Co., 192 West, New York
WATSON, H. F. CO. (Asbestos), **Erie, Pa.** (See adv. index & branch offices, end of book)
WYCKOFF, A. & SON CO. (Water Proof Covering for Underground or Exposed Use), Elmira, N. Y. (See adv. index, end of book)

Pipe & Boiler Coverings (Air Cell)

Keasbey & Mattison Co. (Wool, Felt, etc.), Ambler, Pa.
Norristown Magnesia & Asbestos Co., Norristown, Pa.

Pipe & Boiler Coverings (Asbestos)

Ainsworth Covering Co., Wilmington, Del.
Asbestos Felting Works, 79 Maiden la., New York
American Asbestos Co., Minneapolis, Minn.
Brunett, Frank O., 396 Smith, Brooklyn, N. Y.
Carey, Philip Mfg. Co., Lockland, O.
Chicago Asbestos Mfg. Co., 78 W 22d pl, Chicago, Ill.
Chicago Fire Proof Covering Co., 171 Randolph, Chicago, Ill.
Covering & Supply Co., 232 West, New York
Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Federal Asbestos Mfg. Co. (Rope & Wick), Alliance, O.
Florence Asbestos & Covering Co., Paterson, N. J.
Franklin Mfg. Co., Franklin, Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Hardy & Tierney, 410 E 23d, New York
Houghton, E. F. & Co. ("Virtue"), 240 Somerset, Phila., Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co. (Moulded). Main Office & Works, Ambler, Pa.
Kramig, R. E. & Co., 284 E 6th, Cincinnati, O.
New Jersey Asbestos Mfg. Co., Camden, N. J.
New York Asbestos Mfg. Co. (Air Cell & Moulded), 80 John, New York
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Oil City Asbestos Co., Oil City, Pa.
Sall Mountain Asbestos Mfg. Co., 68 S Canal, Chicago, Ill.
Springfield Asbestos Co., 54 Taylor, Springfield, Mass.
Standard Pipe Covering Co., 3748 E. 71st, Cleveland, O.
Trainer, C. W. Mfg. Co., 89 Pearl, Boston, Mass.
WATSON, H. F. CO. ("Imperial"), Erie, Pa. (See adv. index & branch offices, end of book)

Pipe & Boiler Coverings (Cement)

Chicago Fire Proof Covering Co., 171 Randolph, Chicago, Ill.
Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Federal Asbestos Mfg. Co. (Cement Felting), Alliance, O.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co., 100 William, New York
Keasbey, Robert A., 100 N Moore, New York
Smith, Thos. F., 20 Cedar, New York
Springfield Felting Co., Springfield, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Pipe & Boiler Coverings (Cork)

Armstrong Cork Co., 23d & River, Pittsburg, Pa.
Nonpariel Cork Works, 50 Church, New York
Union Fibre Co. ("Lith"), Winona, Minn.

Pipe & Boiler Coverings (Felt)

Carey, Philip Mfg. Co., Lockland, O.
Chicago Fire Proof Covering Co., 171 Randolph, Chicago, Ill.
Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey, Robert A. Co., 100 N Moore, New York
National Air Cell Covering Co. (Wood Felt), 200 Van Brunt, Brooklyn, N. Y.
Smith, Thos. F., 20 Cedar, New York
Springfield Felting Co., Springfield, Mass.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Pipe & Boiler Coverings (Fossil Meal)

Fossil Meal Co. (A. Giesse), 2 Cedar, New York

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ANY SIZE, WITH NEW THREADS AND COUPLINGS, IN RANDOM LENGTHS OR CUT TO ANY LENGTHS DESIRED

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Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Boiler Tubes, Automobile Tubes, Stay Tubes, etc.), Detroit, Mich.
Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Franklin Mfg. Co. ("K. & M."), Franklin, Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co. (Sectional), Main Office & Works, Ambler, Pa.
New York Asbestos Mfg. Co. (Air Cell & Moulded), 80 John, New York
Norristown Magnesia & Asbestos Co. ("Diamond N."), Norristown, Pa.

Pipe & Boiler Coverings (Mineral Wool)

American Insulating Material Mfg. Co., Alexandria, Ind.
Columbia Mineral Wool Co., 112 Clark, Chicago, Ill. Works, So. Milwaukee, Wis.
Union Fibre Co., Winona, Minn.
U. S. MINERAL WOOL CO. (Mineral Wool), 140 Cedar, New York. (See adv. index, end of book)

Pipe & Fittings (Wrought Iron) Dealers

(See Steam Fitters' Supplies)

Pipe & Tube Mills

Albright, Son & Co. (Tuyere Pipe), Allentown, Pa.
Byers, A. M. & Co. (Lap & Butt Welded Wrought Iron Pipe, Black & Galvanized, 1¼ to 12 inches; also Oil Well Tubing, Castings, etc.), Coatesville, Pa.
Coatesville Rolling Mill Co. (Lap Welded Charcoal Iron 1½ to 8 inches Diameter), Coatesville, Pa.
Cohoes Rolling Mill Co. (Wrought Iron Pipe), Cohoes, N. Y.
Delaware Seamless Tube Co. (Boiler Tubes, etc.), Auburn, Pa.
Harrisburg Pipe & Pipe Bending Co. (Wrought Iron & Steel Pipe), Harrisburg, Pa.
La Belle Iron Works (Black & Galvanized Steam, Gas & Water Pipe, Oil & Gas Line Pipe, Casing, Tubing & Drive Pipe, ½ to 12 inches), Steubenville, O.
Longmead Iron Co. (Black & Galvanized Wrought Iron Pipe), Drexel bldg, Phila., Pa.
Mark Mfg. Co. (Black & Galvanized Wrought Iron & Steel Pipe, 1-8 to 20 inches, Boiler Tubes, Casing, Line & Drive Pipe), Evanston, Ill. Mills, Zanesville, O.
Monongahela Tube Co. (Iron & Steel Boiler Tubes), Ferguson blk., Pittsburg, Pa.
National Tube Co. (Boiler Tubes, Wrought Iron & Steel Pipe for Steam, Gas & Water, Black & Galvanized up to 80 inches, also for Oil Well Casing, Air Line, Brake Beam, Tuyere, Dry Kiln, Ammonia, Drive Signal, Conduit, etc.), Pittsburg, Pa.
Ohio Seamless Tube Co. (Seamless Steel Boiler Tubes & Mechanical Tubing), Shelby, O.
Parkesburg Iron Co. (Charcoal Wrought Iron Pipe & Boiler Tubes), Parkesburg, Pa.
Pittsburg Tube Co. (Bedstead Tubing), Pittsburg, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co. (Jobbers), 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Reading Iron Co. (Wrought Iron Pipe, Boiler Tubes, Oil Well Tubing & Casing ⅛ to 12 inches), Reading, Pa.
Reliance Tube Co. (Lapweld Steel & Charcoal Iron Boiler Tubes, Locomotive Tubing, Line Pipe Casing, etc.), 421 Wood, Pittsburgh, Pa., & Brackenridge, Pa.
Seamless Tube Co. of America (Seamless Steel Tubes 1½ to 6 inches; also Boiler Tubes), Pittsburg, Pa.
South Chester Tube Co. (Wrought Iron Pipe), Chester, Pa.
Spang, Chalfant & Co., Inc. (Wrought Iron & Steel Pipe for Water, Gas, Steam & Oil ⅛ to 24 inches & Wrought Iron & Steel Boiler Tubes 1½ to 13 inches), Pittsburg, Pa.
Susquehanna Iron Co. (Lap Welded Wrought Iron Pipe 2 to 10 inches & Butt Welded ½ to 2 inches), Columbia, Pa.
Tyler Tube & Pipe Co. (Knobbled Charcoal Iron & Algerite Iron Boiler Tubes), Washington, Pa.
Wheeling Steel & Iron Co. (Wrought Iron & Steel Pipe, Black & Galvanized ⅛ to 16 in., Capacity 400 Tons), Wheeling, W. Va.
Worth Bros. Co. (Charcoal Iron Knobbed Lap-welded Boiler Tubes), Coatesville, Pa.
Youngstown Sheet & Tube Co. (Iron & Steel Pipe, from 3-8 to 12-inch, Black & Galvanized, Merchant, Oil Well Casing, Tubing, Drive & Line Pipe), Youngstown, O.

Pipes (Blow)

(See Blow Pipes & Brazing Apparatus)

Pipes (Flush & Supply)

Diamond Mfg. Co., Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury, 1136 Ridge av., Phila., Pa.
Milwaukee Brass Mfg. Co. (Bath & Basin Cock Supply Pipes, etc.), Milwaukee, Wis.
Mullaney's, Jas. Son, 25th c Lex. av. New York
Salem Brass & Iron Mfg. Co., Salem, N. J.
Sanitary Co., Cleveland, O.
Scully, W. J. Ventilator & Mfg. Co., Detroit, Mich.
Watrous Co. ("Watrous" White Metal), Fisher bldg., Chicago, Ill.
Wise, J. B., Watertown, N. Y.

Piping (High Pressure)

Anderson, Darragh Co., 3206 Penn av, Pittsburg, Pa.
Barker, H. R. Mfg. Co. (High Pressure), Lowell, Mass.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
Bowers, W. A. Heating Co., 482 Market, Milwaukee, Wis.
Boyd Equipment Co., 118 Hudson, New York
Braman, Dow & Co., 239 Causeway, Boston.
Burlingame, A. Co., Worcester, Mass. Mass.
Connell, J. D. Iron Works Co., New Orleans, La.
Crane Co. (Est. 1855) (Steam), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Evans, Almirall & Co., 281 Water, New York
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av., Phila., Pa. (See adv. index & branch offices, end of book)
Kellogg, M. W., Co. (Van Stone Joint), 50 Church, New York
Kroeschell Bros. Co., 55 Erie, Chicago, Ill.
Faith, S. & Co., 2427 Penna. av, Phila., Pa.
Merrill Co., 19 Pearl, Boston, Mass.
Miller, W. H. Co., Columbus, O.

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Mitchell, W. K. & Co., Schuylkill av & Ellsworth, Phila., Pa.
Philadelphia Pipe Bending Works, 4120 N 5th, Phila., Pa.
Pittsburg Piping & Equipment Co., 34th & Smallman, Pittsburg, Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Tullis & Co., 534 W 22d, New York
Washburn & Garfield Mfg. Co., Worcester, Mass.
York Engineering Co. (Inc.) (For Steam, Hydraulic & Electric Plants, etc. District Steam & Underground Piping & Specialty), York, Pa.

Pitch (Asphalt)

Alcatraz Co., 124 Sansome, San Francisco, Cal.
American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Carey, Philip Mfg. Co., Lockland, O.
Densmore-Stabler Refining Co., Los Angeles, Cal.
Dunderberg Asphalt Co., 6 Fletcher, New York
Globe Asphalt Co., Bakewell bldg, Pittsburg, Pa., & Los Angeles, Cal.
Hercules Oil Refining Co., Los Angeles, Cal.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Southern Refining Co., Los Angeles, Cal.

Pitch (Coal Tar)

Tidewater Oil & Pipe Co., 11 B'way, New York

Pitch (Paving & Roofing)

(See also Coal Tar Products)

American Asphaltum & Rubber Co., Women's Temple, Chicago, Ill.
Amitage Mfg. Co., Richmond, Va.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
Carey, Philip Mfg. Co. (Asbestos Roofing), Lockland, O.
Chatfield Mfg. Co. (Mfrs.), Cincinnati, O.
Coal Tar Product Co., Smith, Brooklyn, N. Y.
Ford Mfg. Co., 109 W Washington, Chicago, Ill.
General Roofing Mfg. Co., East St. Louis, Ill.
Impervious Product Co., 218 St. Paul, Baltimore, Md.
Lewis Roofing Co., Rock Island, Ill.
McClintock & Irvine Co., Pittsburg, Pa.
Martin, W. A. & Co. (Pine), Wilmington, N. C.
Nashville Chemical Co., Nashville, Tenn.
National Coal Tar Co., 17 Battery pl, New York
Schoellkopf, Hartford & Hanna Co., Buffalo, N. Y., & 100 William, New York
Sillman & Godfrey Co., Bridgeport, Conn.
Southern Roofing Co., Atlanta, Ga.
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Union Roofing & Mfg. Co., St. Paul, Minn.

*Pivots (Floor)

BOMMER BROS., 255 Classon av., Brooklyn, N. Y. (See adv. index, end of book)

Planers (Bench)

Bartlett, E. E. ("Federal"), Boston, Mass.
Ideal Machine Works ("Ideal" Hand), 255 39th, Brooklyn, N. Y.

Planers (Buzz)

(See also Planers, Wood)

American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Baker Bros., Toledo, O.
Berlin Machine Works, Beloit, Wis.
Carey, W. W., Lowell, Mass.
Central Machine Works Co., Minneapolis, Minn.
Colladay, Jos., 626 Race., Phila., Pa.
Cordesman Machine Co., Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Dennis Machine Co., Jackson, Mich.
Frank Machinery Co., Buffalo, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Moshannon Mfg. Co., Philipsburg, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Silver Mfg. Co., Salem, O.
Smith, H. B. Machine Co., Smithville, N. J.
Stowell, J. A. Co., Leominster, Mass.
Union Iron Works, Bangor, Me.
United States Machine Co. (Or Hand Jointer), Williamsport, Pa.

Planers (Fluting Feed Rods)

Woodward & Powell Planer Co. (for Textile Machines), Worcester, Mass.

Planers for Steel Foundries

Wetherill, R. & Co., Chester, Pa.

Planers (Frog & Switch)

Fitchburg Machine Works, Fitchburg, Mass.
Flather, Mark Planer Co., Nashua, N. H.
Niles-Bement-Pond Co., 111 B'way, New York
Powell Tool Co., Worcester, Mass.
Woodward & Powell Planer Co., Worcester, Mass.

Planers (Gear)

Gleason Works, Rochester, N. Y.

Planers (Hand & Foot Power)

Porter, C. O. & A. D. (Hand), Grand Rapids, Mich.
Shepard Lathe Co., 129 W 2d, Cincinnati, O.

Planers (Hoof)

Champion Tool Co. ("Champion"), Meadville, Pa.

Planers (Hydraulic)

Burroughs, Chas. Co., Newark, N. J.

Planers (Ice, Elevator)

Hiles, C. A. & Co. ("Champion," for Ice Harvesting), 14th & Western av, Chicago, Ill.

Planers (Iron & Steel)

(See Planers, Metal Working)

Planers (Locomotive Connecting Rod)

Woodward & Powell Planer Co., Worcester, Mass.

Planers (Metal Working)

American Tool Works Co., Cincinnati, O.
Betts Machine Co., Wilmington, Del.
Chandler Planer Co., Ayer, Mass.
Cincinnati Planer Co. (24-84 inches), 2235-2239 Buck, Cincinnati, O.
Cleveland Planer Works, 3150 Superior av., N. E., Cleveland, O.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Fitchburg Machine Works, Fitchburg, Mass.
Flather, Mark Planer Co. (Heavy, etc.), Nashua, N. H.
Gleason Works (Gear), Rochester, N. Y.
Gray, G. A. Co., Gest c C. H. & D. R. R., Cincinnati, O.
Hamilton Machine Tool Co. (24 to 96 inches), Hamilton, O.
Harrington, Edwin Son & Co., 17th & Callowhill, Phila., Pa.
Hiles & Jones Co., Wilmington, Del.
Hodgkins, C. A. Co., Marlboro, N. H.
Ideal Machine Works ("Ideal" Hand for Iron), 255 39th, Brooklyn, N. Y.
Lane Tool Co., 1196 Hamilton, Cleveland, O.
Manning, Maxwell & Moore, 85 Liberty, New York
Morton Mfg. Co. (Portable), Muskegon Heights, Mich.
New Haven Mfg. Co., New Haven, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Ohio Machine Tool Co., Kenton, O.
Pittsburg Machine Tool Co., Pittsburg, Pa.
Powell Tool Co., Worcester, Mass.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Putnam Machine Co., Fitchburg, Mass.
Reed, J. B., Cairo, Ill.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.
Whiting, Baxter D. & Son, Winchendon, Mass.
Wickes Bros., Saginaw, Mich.
Wilkinson, A. J. & Co., Boston, Mass.
Wilson, W. A. Machine Co., Rochester, N. Y.
Woodward & Powell Planer Co., Worcester, Mass.

Planers (Mitre)

Miller's Falls Co. ("Rogers"), 28 Warren, New York. Works, Miller's Falls, Mass.

Planers (Open Side)

Detrick & Harvey Machine Co., Baltimore, Md.
Niles-Bement-Pond Co., 111 B'way, New York

Planers (Plate)

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Hiles & Jones Co., Wilmington, Del.
Niles-Bement-Pond Co., 111 B'way, New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Planers (Pony)

(See also Planers, Wood)

American Sawmill Machinery Co., 50 Church, New York, & Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Central Machine Works Co., Minneapolis, Minn.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman Machine Co., Cincinnati, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Howell, R. R. & Co., Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Porter, C. O. & A. D., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Union Iron Works, Bangor, Me.

Planers (Rail)

Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.

Planers (Rotary)

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Cole Mfg. Co. (Rotary Bed), Lakeport, N. H.
Newton Machine Tool Works, 2347 Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Underwood, H. B. & Co. (Boring Bars), 1023 Hamilton, Phila., Pa.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.

Planers (Slate)

(See also Machinery, Slate)

FLORY, S. MFG. CO., Bangor, Pa. (See adv. index, end of book)
Ruggles Machine Co., Poultney, Vt.

Planers (Stave)

(See Barrel Machinery)

Planers (Stone)

(See also Machinery, Stone Working.)

Birmingham Iron Foundry (Regular Planers with Four Heads, Open Side Planers), Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Lincoln Iron Works (Gilmour, etc.), Rutland, Vt.
NEW ALBANY MFG. CO., New Albany, Ind.
Patch, F. R. Mfg. Co., Rutland, Vt.

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Planers (Wood)

American Sawmill Machinery Co., 50 Church, New York, & Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bentel & Margedant Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Colladay, Jos. O., 653 Race, Philadelphia, Pa.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Gerlach, Peter Co. (Single, Double & Four Sided for Chair, Furniture, Box Board, Staves & Heading, etc.), Columbus rd. & Winter, Cleveland, O.
Greaves, Klusman & Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., St. Louis, Mo.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Howell, R. R. & Co., Minneapolis, Minn.
Humphrey Machine Co., Keene, N. H.
Indiana Machine Works Co., Ft. Wayne, Ind.
Knight Mfg. Co. (Double Surface), Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Lovell, F. S. Machine Works, Fitchburg, Mass.
Oliver Machinery Co. (Surface), Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Philadelphia, Pa.
Pryibil, P., 512 W 41st, New York
Putnam Machine Co., Fitchburg, Mass.
Salem Iron Works (Inc.), Winston Salem, N. C.
Seymour & Whitlock (Or Hand Feed Jointing), Newark, N. J.
Smith, H. B. Machine Co., Smithville, N. J.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Trevor Mfg. Co., Lockport, N. Y.
Union Iron Works, Bangor, Me.
White, John A. & Co., Dover, N. H.
Whitney, Baxter D. & Son, Winchendon, Mass.
Wilcox, F. F., Keene, N. H.
Woods, S. A. Machine Co., Boston, Mass.
Yerkes & Finn Wood Working Machine Co., St. Louis, Mo.

Planers & Matchers

American Sawmill Machinery Co., 50 Church, New York, & Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atlantic Works (Inc.), 2821 Oakford, Phila., Pa.
Bentel & Margedsnt Co., Hamilton, O.
Berlin Machine Works, Beloit, Wis.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman, Rechtin Co., Cincinnati, O.
Fay, J. A. & Egan Co., Cincinnati, O.
Frank Machinery Co., Buffalo, N. Y.
Greaves, Klusman & Co., Cincinnati, O.
Hermance Machine Co., Williamsport, Pa.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Indiana Machine Works Co., Fort Wayne, Ind.
Power, L. & Co., 20 S 23d, Phila., Pa.
Putnam Machine Co., Fitchburg, Mass.
Salem Iron Works (Wood), Winston Salem, N. C.
Smith, H. B. Machine Co., Smithville, N. J.
Woods, S. A. Machine Co., Boston, Mass.
Yerkes & Finan, Woodworking Machine Co., St. Louis, Mo.

Planes

Buck Bros. (Iron), Millbury, Mass.
Chapin-Stevens Co. (Bench, Ship Moulding & Grooving), Pine Meadow, Conn.
Gage Tool Co. (Self-Setting), Vineland, N. J.
Heald, Addison, & Son, Milford, N. H.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
New England Specialty Co. (Metal), North Easton, Mass.
Ohio Tool Co. (Iron & Wood), Columbus, O.
Payson Mfg. Co. (Steel), 1319 W. Jackson boul., Chicago, Ill.
Royal Equipment Co. (Squaring for Carpenters, Pattern Makers, etc.), Bridgeport, Conn.
Sandusky Tool Co. (Bench, etc.), Sandusky, O.
Sargent & Co., New Haven Conn., 94 Center, New York
Smith, Otis A. ("Fales" Patent Bench), Rockfall, Conn.
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York
Tower & Lyon Co. (Iron "Towers Perfection"), 95 Chambers, New York
Union Mfg. Co. ("Union," Iron & Wood), New Britain, Conn.
White, L. & I. J. Co. (Inc.), Buffalo, N. Y.

Planimeters

Ashcroft Mfg. Co. ("Amsler" & "Coffin" Averaging), 85 Liberty, New York
Bushnell, Jno. S. & Co., 227 Fulton, New York
CROSBY STEAM GAGE & VALVE CO., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Du Vivier, Ernest H., 30 Church, New York
Hall Mfg. Co. ("Hall's"), John & Cliff, New York
Lippincott Steam Specialty & Supply Co. ("Lippincott" & "Simplex"), 52 Columbia, Newark, N. J.
Robertson, Jas. L. & Sons ("The Willis"), New York
Schaeffer & Budenberg Mfg. Co. ("Amsler's" Polar), 963 Kent av, Brooklyn, N. Y.
Star Brass Mfg. Co., Boston, Mass.
Thompson, Richard & Co., 126 Liberty, New York
Trill Indicator Co., Corry, Pa.

*Planing Mill Filing Room Equipment

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Plank Drawer

Pollard, Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.

Planters (Bean & Pea)

Allen, S. L. & Co. ("Planet, Jr."), 1017 Market, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Caledonia Bean Harvester Co. (Bean), Caledonia, N. Y.
Deere & Mansur Co., Moline, Ill.
Gale Mfg. Co. (Bean & Pea), Albion, Mich.
Moline Plow Co. ("Boston"), Moline, Ill.
Potato Implement Co. (Hand Bean), Traverse City, Mich.
White, S. R. & Bro. (Pea), Norfolk, Va.
Wiard Plow Co. (Bean), Batavia, N. Y.

Planters (Beet)

Allen, S. L. & Co., 1017 Market, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Gale Mfg. Co., Albion, Mich.
Morrison Mfg. Co., Fort Madison, Ia.
Vine & Root Machinery Co., Port Huron, Mich.

Planters (Corn)

American Seeding Machine Co. Main Office, Springfield, O.
Ames Plow Co. (One Horse, One Row, etc.), Quincy Hall, Boston, Mass.
Avery, B. F. & Sons, Louisville, Ky.
Avery Co. ("Perfection," "Corn King," "Corn Queen" Steel), Peoria, Ill.
Ayers, J. R., Petersburg, Va.
Bailey & Nichols Co., Delevan, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bement's, E. Sons, Lansing, Mich.
Blackstone Mfg. Co., Jamestown, N. Y.
Bradley, David, Mfg. Co. (Force Drop), Bradley, Ill.
Brooks & Stuckwisch, Indianapolis, Ind.
Brown, Geo. W. & Co., Galesburg, Ill.
Brown, Hinman & Huntington Co. (Hand), 198 N Scioto, Columbus, O.
Buffton Mfg. Co., Buffton, Ind.
Caldwell & Drake Iron Works (Inc.), Columbus, Ind.
Campbell Corn Drill Co., Harrison, O.
Cardwell Machine Co., Richmond, Va.
Case, J. I. Plow Works, Racine, Wis.
Chambers, Bering & Quinlan Co., Decatur, Ill.
Collins Plow Co., Quincy, Ill.
Colton, G. D. & Co., Galesburg, Ill.
Cooper, A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere & Mansur Co., Moline, Ill.
Deuscher, H. P. Co., Hamilton, O.
Donaldson Bros. ("King"), Mount Clemens, Mich.
Emerson Mfg. Co., Rockford, Ill.
Eureka Mower Co. (One & Two Row), Utica, N. Y.
Evans, A. C. Mfg. Co., Springfield, O.
Farquhar, A. B. Co. (Also With Fertilizer Attachment), York, Pa.
Foos Mfg. Co., Springfield, O.
Fort Madison Plow Co., Fort Madison, Iowa
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. (One & Two Horse Planter & Fertilizers, also Riding, also With Disc), Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hayes Pump & Planter Co. (Riding & Walking), Galva, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Hoosier Drill Co., Richmond, Ind.
Janesville Machine Co., Janesville, Wis.
Implement Mfg. Co., Davenport, Ia.
Keystone Farm Machine Co., York, Pa.
Kingman Plow Co., Peoria, Ill.
Kingman & Co., Peoria, Ill.
Lehr Agricultural Co., Fremont, O.
Lovejoy Co., Cambridge, N. Y.
Luthy & Co. Peoria, Ill.
McSherry Mfg. Co., Middletown, O.
Marietta Mfg. Co., Marietta, O.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. (Single & Double & Three Row), Moline, Ill.
Mountville Mfg. Co., Mountville, Pa.
Mulford Heater Co., Galva, Ill.
Ohio Cultivator Co., Bellevue, O.
Ohio Rake Co., Dayton, O.
Parlin & Orendorff Co., Canton, Ill.
Peoria Scoop Board & Implement Co., Peoria, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Peters Pump Co. ("Kewanees"), Kewanee, Ill.
Porter, J. E. Co. (All Steel), Ottawa, Ill.
Quincy Corn Planter Co. ("Barlow" & "Vandiver-Barlow"; Also Fertilizer Attachment), Quincy, Ill.
Racine-Sattley Co., Springfield, Ill.
Rhea-Thielens Implement Co., Peoria, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Root, B. M. Co. (Single & Double Row), York, Pa.
Sechler, D. M. Carriage Co. ("Black Hawk"), Moline, Ill.
Sellers, Edw., Oakhall Station, Pa.
Sheffield Mfg. Co.
Southern Foundry & Machine Works, Fredericksburg, Pa.
Spangler Mfg. Co., York, Pa.
Sterling Mfg. Co., Sterling, Ill.
Tait, F. B. Mfg. Co., Decatur, Ill.
Thompson, J. & Sons' Mfg. Co., Beloit, Wis.
Union Corn Planter Co., Peoria, Ill.
Wayne Works, Richmond, Ind.
White, S. R. & Bro., Norfolk, Va.
Whiteburst, R. W. Co., Norfolk, Va.
Williams Mfg. Co., Decatur, Ill.
Wistrand Mfg. Co. ("Blue Star"), Galva, Ill.

Planters (Corn, Hand)

Babcock Planter Co., Adrian, Mich.
Donaldson Bros. ("King"), Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Emerson Mfg. Co., Rockford, Ill.
Eureka Fence Co., Richmond, Ind.
Harrison Mfg. Co., Sterling, Ill.
Horton Mfg. Co., Fort Wayne, Ind.
Hughes & Smythe, Galena, O.
Kent, A. O., Janesville, Wis.
Kingman & Co., Peoria, Ill.
Kohler, F. E., & Co. ("Eclipse" Rotary), Canton, O.
Nagley Mfg. Co. (Corn & Pumpkin), Lyons, N. Y.
Nash, Duane H., Millington, N. J.
Potato Implement Co., Traverse City, Mich.
Sheffield Mfg. Co., Burr Oak, Mich.
Vandergrift Mfg. Co., Jamestown, N. Y.
Wabers, H. H. Mfg. Co., Racine, Wis.
Wiard Plow Co., Batavia, N. Y.
Winship Mfg. Co., Racine, Wis.

Planters (Cotton)

Atlanta Agricultural Works ("Brooks," "Dow Law"), Atlanta, Ga.
Avery, B. F. & Sons, Louisville, Ky.
Avery Co. (Steel), Peoria, Ill.
Bradley, David, Mfg. Co., Bradley, Ill.
Brown, Hinman & Huntington, Columbus, O.
Cole Mfg. Co., Charlotte, N. C.
Deere & Mansur Co., Moline, Ill.
Eagle Mfg. Co. (Cotton & Corn), Kansas City, Mo.
Emerson Mfg. Co. (Combined Cotton & Corn), Rockford, Ill.
Evans, A. C. Mfg. Co., Springfield, O.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Fort Madison Plow Co., Fort Madison, Iowa
Gale Mfg. Co. (Daisy, One & Two Row, Riding), Albion, Mich.
Gantt Mfg. Co., Macon, Ga.
Keystone Farm Machinery Co., York, Pa.
Lehr Agricultural Co., Fremont, O.

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Moline Plow Co. (Single & Double Row), Moline, Ill.
Ohio Cultivator Co. ("Ohio" Sulky, etc.), Bellevue, O.
Parlin & Orendorff Co. (Cotton & Corn), Canton, Ill.
Racine-Sattley Co. (Cotton & Corn), Springfield, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Sechler, D. M. Carriage Co., Moline, Ill.
South Bend Chilled Plow Co. (Cotton & Corn), South Bend, Ind.
Southern Agricultural Works Co., Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Towers & Sullivan Mfg. Co. ("Dow Law"), Rome, Ga.
White, S. R. & Bro., Norfolk, Va.
Whitehurst, R. W. & Co., Norfolk, Va.

Planters (Peanut)

Ayers, J. B. ("Ayers," Single-Row-One-Horse), Petersburg, Va.
McWhorter Mfg. Co. ("McWhorter," Single-Row – Wheel – Hand & Two – Row – One-Horse), Riverton, N. J.
Whitehurst, R. W. Co. ("Excelsior," Single-Row-One-Horse), Norfolk, Va.

Planters (Potato)

American Harrow Co. ("American" Hand), Detroit, Mich.
American Seeding Machine Co. ("Evans," Single-Row; also with Fertilizer Attachment), Main Office, Springfield, O.
Aspinwall Mfg. Co. ("Aspinwall," Single Row; also with Bean & Pea Planter Attachment; also with Fertilizer Attachment), Jackson, Mich.
Bateman Mfg. Co. ("Robbins," "Iron Age" Single Row; also with Bean & Pea Planter Attachment; also Fertilizer Attachment), Grenlock, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brown-Manly Plow Co. ("Malta"), Malta, O.
Burch Plow Co. ("New Burch," with Fertilizer Attachment; also Planter & Cutter Combined), Crestline, O.
Case, J. I. Plow Works ("Lone Star," with Fertilizer Attachment), Racine, Wis.
Chambers, Bering & Quinlan Co. (C. B. Q.), Decatur, Ill.
Champion Potato Machinery Co. ("O. K. Champion"; also with Fertilizer Attachment), Hammond, Ind.
Deere & Mansur Co., Moline, Ill.
Empire Plow Co. ("Empire"), Cleveland, O.
Eureka Mower Co. (One & Two Row; also with Fertilizer Attachment), Utica, N. Y.
Fetzer & Co. ("Columbia," "Plymouth"), Middletown, O.
Greenville Implement Co. (Hand), Greenville, Mich.
Hirsch Bros. ("Spalding," Single Row), Milwaukee, Wis.
Kent Mfg. Co. ("Triumph," Hand), Atkinson, Wis.
McWhorter Mfg. Co. ("McWhorter," Single Row; also with Fertilizer Attachment), Messinger Mfg. Co. (With Fertilizer Attachment), Tatamy, Pa.
Nebraska Mfg. Co. ("Kaar" Two-Row), Lincoln, Neb.
Peek, S. H. ("Perfection"), East Aurora, N. Y.
Potato Implement Co. ("Segment," "Eureka," "Acme," "Peerless," Tubular," "Swan," "Pingree" & "Dewey" Hand), Traverse City, Mich.
Schofield & Co. ("Schofield" Single Row; also Planter & Digger Combined), Freeport, Ill.
Sears, Albert H. (Plano), Plano, Ill.
Sheffield Mfg. Co. ("Sheffield" Hand), Burr Oak, Mich.
Southern Plow Co. ("Haimans"), Columbus, Ga.
Spalding Mfg. Co. ("Spalding," Single Row), Milwaukee, Wis.
Springer Bros. Mfg. Co. (Two Row, Check or Drill), Edwardsville, Ill.
Steitz, J. R. ("Steitz" Single Row), Cudahy, Wis.
Steitz, J. R. Mfg. Co. ("Steitz" Single Row; also with Fertilizer Attachment), Milwaukee, Wis.
Towers & Sullivan Mfg. Co. ("Tower"), Rome, Ga.
Wabers, H. H. Mfg. Co. ("Invicible" Hand), Racine, Wis.
Whitehurst, R. W. & Co., Norfolk, Va.

Planters (Tobacco)

Bollman, Elmer, West Manchester, O.

Plants (Dismantled)

PFAFF & KENDALL, Ferry & Foundry, Newark, N. J. (See adv. index, end of book)

Plaster (Asbestic, Wall)

Johns, H. W.-Manville Co., 100 William, New York

Plaster Boards, Slabs, Etc.

A. B. Fireproofing Co., Schiller bldg, Chicago, Ill.
AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Barrett Mfg. Co. (Blue Plaster Boards), Land Title bldg., Phila., Pa.
BEAVER MFG. CO., THE ("Beaver"), 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)

BEAVER BOARD
The Modern Wall & Ceiling Material
Takes Place of Both Lath and Plaster

Duffy, J. P. Co. ("Sackett" Wall Board), 440 E 138th, New York
Grand Rapids Plaster Co. (W. S. Hovey, Gen'l Agent), Grand Rapids, Mich.
Keystone Fireproofing Co. (Engineering Dept.), 16 S Broad, Phila., Pa. Works: Chester, Pa.
Klotz, A. E., Fireproofing Co., 137th & Madison av., New York
New Jersey Adamant Mfg. Co., Harrison, N. J.
Rader, A. C. & Co., 7 E 137th, New York
Sackett Wall Board Co., 17 Battery pl, New York
Union Roofing & Mfg. Co. ("Pyramid" Blue), St. Paul, Minn.
Wotherspoon Plaster Mills (Inc.), 1170 B'way, New York

Plaster Mfrs. (Asbestos)

Cleveland Asbestos Plaster Co. (Wall), Cleveland, O.
RUTLAND FIRE CLAY CO. (Flexible), Rutland, Vt. (See adv. index & branch offices, end of book)

Plaster Mfrs. (Calcined)

Acme Cement Plaster Co., Century bldg, St. Louis, Mo.
Alabastine Co. (also Land Plaster), Grand Rapids, Mich.
American Cement Plaster Co., Lawrence, Kan., & Quanah, Tex.
American Gypsum Co., Cleveland, O.
Bangs-Gaynor Cement & Plaster Co. (Land Plaster), Fayetteville, N. Y.
Brockett, C. A. Cement Co., 121 W 8th, Kansas City, Mo.
Conn, Adamant Plaster Co., 10 River st., New Haven, Conn.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Gilmore, S., Indian Falls, N. Y.
Grand Rapids Plaster Co. (W. S. Hovey, General Agent) (also Land), Grand Rapids, Mich.
Gypsum Products Mfg. Co., Grand Rapids, Mich.
Hammill & Gillespie, 240 Front, New York
Higginson Mfg. Co., Newburgh, N. Y.
Hot Springs Plaster Co., Hot Springs, S. Dak.
Independence Gypsum Co., Southard, Okla.
Keystone Plaster Co. (Sales Office), 16 S Broad, Phila., Pa. Works: Chester, Pa.
King, J. B. & Co., 1 B'way, New York
King, C. Volney, 317 West, New York
Lycoming Calcining Co., Williamsport, Pa., & Garbutt, N. J.
Miller, Clifford L. & Co. (White), 110 E. 23d, New York
Newark Lime & Cement Co., ft. of Bridge st., Newark, N. J.
Niagara Gypsum Co., Buffalo, N. Y.
Portland Cement Co., Denver, Colo.
Rock Plaster Co., of N. Y. & N. J., 150th & E. R., New York
United States Gypsum Co., 200 Monroe, Chicago, Ill., & Cleveland, O.
Wotherspoon Plaster Mills, 1170 B'way, New York

Plaster Mfrs. (Fibrous & Staff)

Eclipse Wood Fiber Co., Buffalo, N. Y.
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Harnisch, Ad A., Spencer n Chlorine Springs, Syracuse, N. Y.
SEIFERT, FRANK A. PLASTIC Relief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Sleep, Elliott & King Co. (Inc.), 562 W 23d, New York, & 351 Cambridge, Boston, Mass.

Plaster Mfrs. (Wall)

(See also Stucco Manufacturers)

CONNECTICUT.

BRIDGEPORT—Connecticut Flexible Plaster Co. (Flexible Fiber Wall Plaster)
HARTFORD—Hartford Pulp Plaster Corporation, 78 Walnut (Elastic Pulp)
NEW HAVEN—Connecticut Adamant Plaster Co.

COLORADO.

DENVER—Portland Cement Co. ("Ideal")

GEORGIA.

ATLANTA—Georgia Wood Fibre Plaster Co.

ILLINOIS.

CHICAGO—RUTLAND FIRE CLAY CO. (Flexible Asbestos), 223 W 12th. (See adv. index, end of book)
United States Gypsum Co., 200 Monroe
ROCKFORD—Rockford Wall Plaster Co.

INDIANA.

INDIANAPOLIS—Keeport, A. B. & Co., 312 W North
NEW ALBANY—New Albany Wall Plaster Co. ("Star" & Wood Fibre)

IOWA.

CEDAR RAPIDS—King's Crown Plaster Co.
FORT DODGE—Cardiff Gypsum Plaster Co. ("Kalloite")
Iowa Hard Plaster Co.
Plymouth Gypsum Co. ("Plymouth" Cement & Wood Fibre)
WATERLOO—Waterloo Plaster Co.

KANSAS.

BLUE RAPIDS—Electric Plaster Co.
LAWRENCE—American Cement Plaster Co.

KENTUCKY.

LOUISVILLE—Atlas Wall Plaster Co.
Kentucky Wall Plaster Co.

MAINE.

RED BEACH—Red Beach Plaster Co.

MARYLAND.

BALTIMORE—Maryland Lime & Cement Co. (Hard), Carroll bldg
NORTH EAST—Columbia Brick & Plaster Co. ("Columbia")

MASSACHUSETTS.

BOSTON—New England Adamant Co., 325 Medford, Chsn.
RUTLAND FIRE CLAY CO. (Flexible Asbestos). (See adv. index, end of book)

MICHIGAN.

DETROIT—Little, C. H. Co., 40 Fort W
GRAND RAPIDS—Alabastine Co. (Plasticon Hard Wall)
Grand Rapids Plaster Co. (W. S. Hovey, General Agent)
Gypsum Products Mfg. Co. (also Wood Fibre)

MINNESOTA.

MANKATO—Fowler & Pall ("Jasper")

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MISSOURI.

KANSAS CITY—Monarch Plaster Co., Mills: Watonga, Okla.
Monarch Plaster CO., Mills Watonga, Okla.
ST. LOUIS—Acme Cement Plaster Co., 906 Olive
Hunkins-Wills Lime & Cement Co., 18th & Austin

NEW JERSEY.

HARRISON—New Jersey Adamant Mfg. Co.
NEWARK—Newark Lime & Cement Mfg. Co.
TRENTON—New Jersey Elastic Pulp Plaster Co. ("Pulp")

NEW YORK.

BUFFALO—Buffalo Paragon Wall Plaster Co., Eclipse Wood Fibre Co., 285 Grote
Niagara Gypsum Co. ("Niagara" Brand), 597 Michigan
Oakfield Plaster Mfg. Co.
Reeb, M. A., 599 Michigan
FAYETTEVILLE — Bangs-Gaynor Cement
Sheedy, Thos. W. Plaster Co.
FULTON—Porter & Co.
GARBUTT—Diamond Wall Cement Co.
Empire Gypsum Co. (Wall Plaster Sanded & Wood Fibre Plaster)
Garbutt Gypsum Co. (of Rochester, N. Y.)
Lycoming Calcining Co.
NEWBURGH—Higginson Mfg. Co.

NEW YORK CITY.

Boroughs of Manhattan & Bronx.

NEW YORK—King, J. B. & Co., 1 B'way
Miller, Clifford L., & Co. ("Miller's"), 110 E. 23d
N. Y. Pulp Plaster Co. (Pulp), 110 E 23d
Rock Plaster Co., of N. Y. & N. J., 150th & E. R.
Wotherspoon Plaster Mills, 1170 B'way

Borough of Richmond.

NEW BRIGHTON—King, J. B. & Co.

(End of New York City)

ROCHESTER—Garbutt Gypsum Co.
SYRACUSE—Paragon Plaster Co.
UTICA—American Hard Wall Plaster Co.

OHIO.

CANTON—Seeman Plaster Co.
CLEVELAND—American Gypsum Co. ("Anchor" Cement & "Anchor" Wood Fibre)
Forrester Plaster Co., ft. of E. 49th, N. E.
Kelly Island Lime & Transport Co. (Hard), Rockefeller bldg.
United States Gypsum Co.
COLUMBUS—Ohio Wood Fibre Plaster Co.
Rock Plaster Mfg. Co., Broad & H. V. Ry.
DAYTON—Dayton Fibre Plaster Co. (Fibre)
EAST LIVERPOOL—Old Roman Wall Plaster Co.
ELYRIA—Elyria Plaster Co. (Wood)
LIMA—Walther, Philip
NAPOLEON—Napoleon Pulp Plaster Co.
PORT CLINTON—Consumers' Gypsum Co.
SHELBY—Morris, W. H.
TOLEDO—Fishack Plaster Co.
Toledo Pulp Plaster Co. (Pulp)
Woodville White Lime Co.
YOUNGSTOWN—Sharp Bros.

OKLAHOMA.

ALVA—Oklahoma Plaster Co.
OKARCHE—U. S. Gypsum Co. (of Chicago)
SOUTHARD—Independence Gypsum Co.

OREGON.

PORTLAND—Adamant Co. (Hard)

PENNSYLVANIA.

BRADDOCK—Crown Wall Plaster Co.
CHESTER—Keystone Plaster Co. (See Phila., Pa.)
LEBANON—Granitine Wall Plaster Co.
NEW CASTLE—Galley Fibre Plaster Co.
New Castle Elastic Pulp & Plaster Co. (Pulp)
NEW KENSINGTON — New Kensington Fibre Plaster Co. (Fibre)
PHILADELPHIA—**FRENCH, SAM'L H. &** Co., 4th & Callowhill. (See adv. index, end of book)
Keystone Plaster Co. (Adamant & "Victor"), 16 S Broad. Works: Chester, Pa.
ROCK PLASTER (SAM'L H. French & Co., Agents), 4th & Callowhill
PITTSBURG—National Mortar & Supply Co., McCance bldg
SCRANTON—Paragon Plaster & Supply Co.
WILLIAMSPORT—Diamond Wall Cement Co.
Lycoming Calcining Co.

UTAH.

SALT LAKE CITY—Utah Consolidated Plaster Co.

VERMONT.

BELLOWS FALLS—Bellows Falls Pulp Plaster Co. (Pulp)
RUTLAND—**RUTLAND FIRE CLAY CO.** (Flexible Asbestos). (See adv. index, end of book)

VIRGINIA.

NORTH HOLSTON—Southern Gypsum Co. ("Hard Wall")
RICHMOND—Moore, Warner & Co.

WEST VIRGINIA.

FAIRMOUNT—Fairmount Wall Plaster Co.
WHEELING—Wheeling Wall Plaster Co.

WYOMING.

LARAMIE—Acme Cement Plaster Co. (See St. Louis, Mo.)
Overland Cement Plaster Co.

Plaster of Paris Mfrs.

(See Plaster Manufacturers, Calcined)

Plaster Packers

(See Cement Packers)

Plaster Products for Paper Trade

Keystone Plaster Co., Chester, Pa.

*Plaster & Lath Substitute

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)



Plasterers' Steel Corner Beads

BOSTWICK STEEL LATH CO. ("The Bostwick" Hot. Galvanized), Niles, O. (See adv. index, end of book)
FULLER BROS. & CO. (Eastern Agents for "Parker" Corner Beads), 139 Greenwich, New York
Gara,. McGinley & Co. (Woods), 23 S 17th, Phila., Pa.
GENERAL FIREPROOFING CO. ("Universal" & "National"), Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)
HUNT METAL CORNER CO. (For Projecting, Angular or Interval Corners), Westboro, Mass. (See adv. page 858)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
Prescott, J. B., & Son ("Prescott"), Webster, Mass.
Rogers-Shear Co. ("Universal"), Warren, Pa.
St. Paul Roofing, Cornice & Ornament Co. ("Pruden"), St. Paul, Minn.
SHARON STEEL HOOP CO ("Parker"). Sharon, Pa., & Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
UNION METAL CORNER CO. ("Hannon," "Goodwin" & "Union"), 206 Summer, Boston, Mass. (See adv. page 852)

Plastering Fibre

American Fibre Co., Jacksonville, Fla.
Fernald Co. ("Giant"), 248 Tehama, San Francisco, Cal.
Hoffman-Corr Mfg. Co., 55 White, New York
Whiting, E. B. & A. C., Burlington, Vt.

Plastering Hair

Armour Curled Hair Works, 205 La Salle, Chicago, Ill.
Baeder, Adamson & Co., 210 Chestnut, Phila., Pa.
Beckta, Chas. F., Wilmington, Del.
FRENCH, SAM'L H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Hoffman-Corr Mfg. Co., 55 White, New York
Illinois Leather Co., 400 N Halstead, Chicago
Whiting, E. B. & A. C., Burlington, Vt.

Plate (Aluminum)

Aluminum Co. of America, Pittsburg, Pa., & 99 John, New York

FIRE PROOF WATER PROOF FROST PROOF

Rutland Flexible Asbestos Wall Plaster

MADE FROM FIRE CLAY, PORTLAND CEMENT AND ASBESTOS FIBRE.

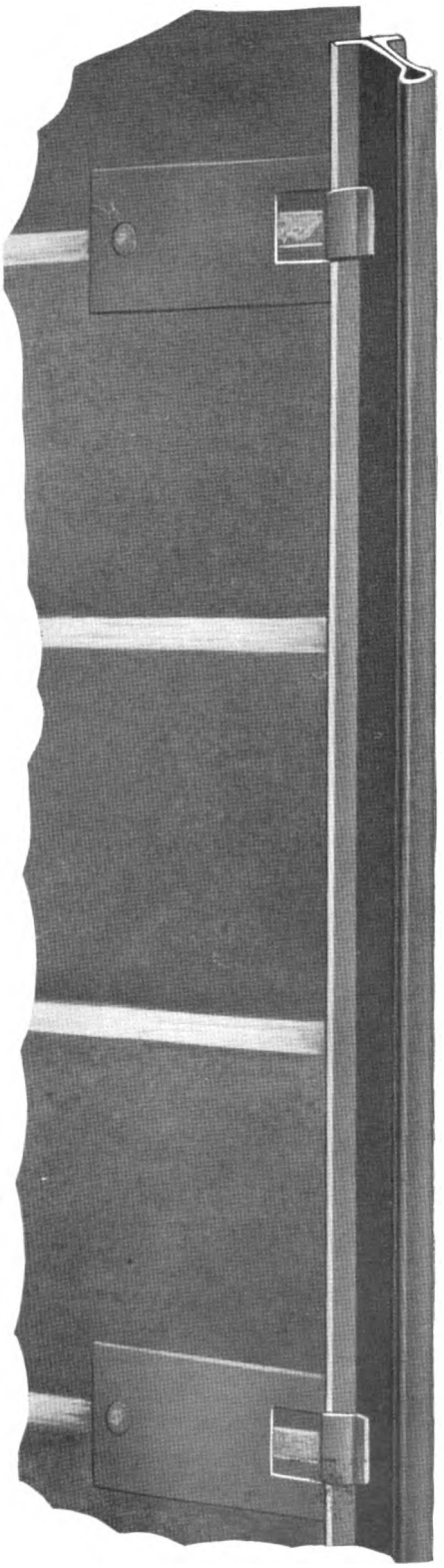
Samples Furnished FREE For Test Purposes

GROUND MARBLE, FIRE CLAY, SOAP STONE, MICA SCHIST, ETC.

RUTLAND FIRE CLAY CO.

RUTLAND, VT., U. S. A.

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PARKER CORNER-BEAD

FOR THE PROTECTION OF PLASTERED CORNERS

A corner of steel, costing less than the ordinary plastered corner.

WHY?

BECAUSE it builds the corner for the plasterer as straight as a plumb-line, and puts straight edges and plumb-lines out of business.

THE "PARKER" CORNER lasts the life of a building, and saves in repairs many times its cost. It takes the place of wood-trim when used around windows, and makes a fire-proof, sanitary, artistic corner, at trifling expense. It is the only corner protector that holds the plaster in a grip that won't let go.

THE "PARKER" is hot-galvanized, warranted not to rust; is easily erected and costs less than others that do not protect.

FREIGHT CHARGES trifling, as a thousand feet, with attachments, weigh two hundred pounds only.

STOCK LENGTHS—six, seven, eight, nine and ten feet, — fifty strips in a bundle,—securely tied to stand transportation.

IT IS the bead that has and holds the market; no other bead has a chance when compared with the "PARKER."

WHY?

BECAUSE other beads on the market are punched beads.

STRIKE any corner-bead that has side punchings for the alleged keying of plaster a moderate blow on its face and you break the bonds as far as vibration extends, leaving loose, crumbling plaster along the blade of plate which will grind from vibration of building, and sooner or later work itself to the surface. The larger the punchings the greater the danger and damage to the plastered corner. The "PARKER" is the only bead that will hold plaster on its blade without punching. The plaster on this bead is keyed in between the flange and the extending lip with a grip that will stand any blow the face of bead would be likely to receive.

WHEN SELECTING A BEAD REMEMBER THIS

ARCHITECTS, OWNERS, CONTRACTORS, DEALERS,— are you interested? If so, investigate and send for prices that will convert you.

Sharon Steel Hoop Company

Chicago Office: Commercial National Bank Bldg.

EASTERN OFFICE

FULLER BROTHERS & COMPANY

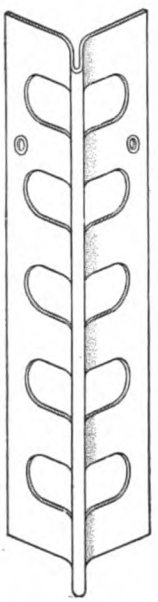
139 Greenwich St., New York City

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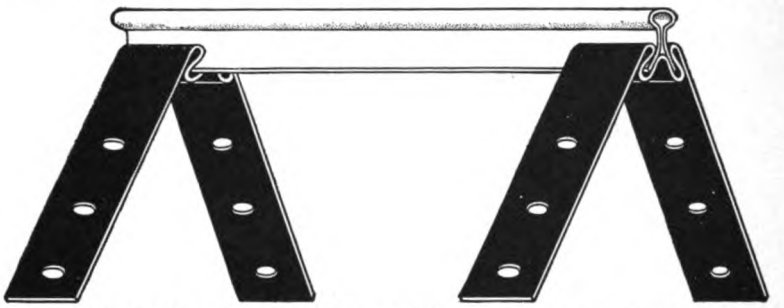
METAL CORNER BEADS

HOT GALVANIZED TWICE

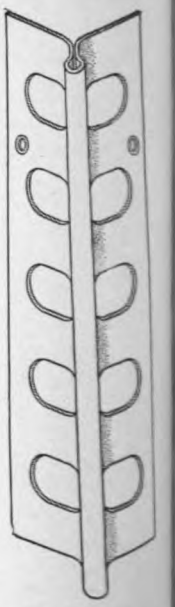
BRIGHT AND USEFUL AS A NEW COINED SILVER DOLLAR



UNION BEAD



GOODWIN BEAD. CLIPS ADJUSTED BEFORE SHIPPING.
THIS IS ONLY ONE FEATURE OF GOODWIN BEAD.



HANNON BEAD

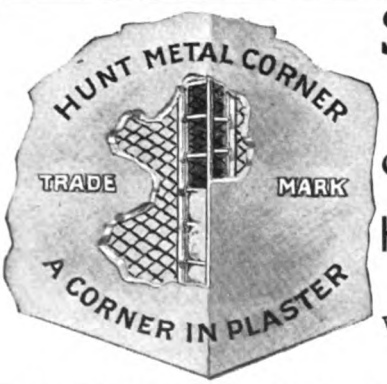
PROVEN THE BEST BY ANY TEST

IMPORTANT NOTICE TO ARCHITECTS—"**OUTERSITE**" METAL PICTURE MOULDING HAS BEEN USED IN OVER TWENTY SCHOOL HOUSES IN ST. LOUIS. AN ENTIRELY NEW AND PRACTICAL IDEA. INVISIBLE, FIRE, RUST, AND GERM-PROOF. FOR A METAL MOULDING, SPECIFY **HANNON ORNAMENTAL PICTURE MOULDING,** WHICH USED IN CONNECTION WITH "**OUTERSITE**" IS A WINNER.

UNION METAL CORNER CO., Mfrs.

206 Summer Street
BOSTON, MASS.

M. A. HANNON, PRESIDENT AND TREASURER



See that Bond AND Protect Your Corners and Plaster

BY USING

Hunt Metal Corner Bead,

GROUND,
PICTURE MOULDING,
WAINSCOT and INTERNAL
CORNER OR ANGLE
BEAD.

Hunt Metal Ground Bead No. 1

NO VERMIN LODGE HERE



Made of Steel, Hot Galvanized, in lengths from 6 to 16 inch. Also

Wall Plugs and Ties.

Endorsed by Leading Architects.

We make the best Warehouse Truck for Barrels, Boxes and Crates; of Steel and Roller Bearings; roll in any direction.

STEEL BANDING and CORNER TIES for Boxes and Crates.

Hunt Metal Corner Co.

Agents wanted in every city in United States and Canada.

Factory: WESTBORO, MASS.

Sales Office: 559 Atlantic Avenue, BOSTON, MASS.



HUNT COMBINATION WALL PLUG AND TIE

Open end of Tie springs into end of Plug. Never Slips. Plug or Tie may be used separately.

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Plate (Armor)

Bethlehem Steel Co. (Forged, etc.), South Bethlehem, Pa.
Carnegie Steel Co., Carnegie bldg., Pittsburg, Pa.
Midvale Steel Co. (Forged), Nicetown, Phila., Pa.

Plate (Platinum)

(See Platinum, Sheet & Wire)

Plate (Shovel)

(See Steel Shovel Plate)

Plate (Steel Boiler)

(See Iron & Steel Boiler & Tank Plate)

Plate (Steel Bridge)

(See Steel Bridge Plate)

Plate (Steel Fire Box)

(See Steel Fire Box Plate)

Plate (Steel Fish)

(See Rail Braces & Fastenings)

Plate (Tack)

(See Steel Tack Plate)

*Plateaux (Table)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Platers' & Polishers' Supplies

Auburn Soap & Chemical Co. ("Tripoli," Vienna Lime, Emery Paste, Quicklime, Lye, Rouge, "Crown," White Polish), Auburn, N. Y.
Bennett & O'Connell Co., 101 S. Clinton, Chicago, Ill.
Burns, E. Reed, 40 Withers, Brooklyn, N. Y.
Cobb, Arthur, 96 High, Boston, Mass.
Cutter, Wood & Stevens Co., 68 Pearl, Boston, Mass.
Gold, Walter C., 235 Race, Philadelphia, Pa.
Foot Mfg. Co. (Polishing Felts, Buffs, Brushes, etc), Jersey City, N. J.
Hansen & Van Winkle Co., Newark, N. J., & 30 W. Canal, Chicago, Ill.
Harshaw, Fuller & Goodwin Co. (Chemicals), Electric bldg., Cleveland, O.
Levett Mfg. Co., Matawan, N. J.
L'Hommedieu, Chas. F. & Sons Co., 99 S. Canal, Chicago, Ill.
Sommer's, John Sons (Drying Materials), Newark, N. J.
Stevens, F. B., 3d av. & Larned, Detroit, Mich.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Union Wheel & Mfg. Co., Coxsackie, N. Y.
Zucker & Leavett & Loeb Co., 516 W. 25th, New York

Plates (Bosh)

Best Mfg. Co. (Furnace), Pittsburg, Pa.
Keystone Bronze Co., Pittsburg, Pa.
LAWRENCEVILLE BRONZE CO., 31st & Penn av., Pittsburg, Pa. (See adv. index, end of book)

Plates (Box Printing)

Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.

Plates (Buckle)

Edge Moor Iron Co. (For Bridges, Buildings, etc.), Wilmington, Del.
Glasgow Iron Co., Pottstown, Pa.

Plates (Bumper)

Ireland & Matthews Mfg. Co. (For Plumbers Wood Work), Detroit, Mich.

Plates (Center)

Dayton Malleable Iron Co. (Lubricating), Dayton, O.
Pressed Steel Car Co., Pittsburg, Pa.
Transue & Williams Co., Alliance, O.

Plates (Chrome Steel)

Chrome Steel Works (Also Welded), Chrome, N. J.

Plates (Core)

Crescent Machine Co., Detroit, Mich.
Diamond Clamp & Flask Co. (Asbestos), Richmond, Ind.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Plates (Crusher)

Philadelphia Roll & Machine Co., S 23d & Washington av, Phila., Pa.

Plates (End)

Adams, E. B., & Son ("Adams" for Wagon Makers), Racine, Wis.

Plates (End Gate)

Griffin Mfg. Co., Erie, Pa.

Plates (Expansion)

Grabler Mfg. Co. (Steel), Cleveland, O.
National Tube Co., Pittsburg, Pa.

Plates (Felloe)

Avery Stamping Co. (Steel), Cleveland, O.
Sessions, J. H., Son, Bristol, Conn.
Upson Nut Co., Unionville, Conn.
Wrought Washer Mfg. Co., Milwaukee, Wis.

Plates (Filter Press)

Aitchison Perforating Co., 303 Dearborn, Chicago, Ill.
Albright-Nell Co., Chicago, Ill.
Currier, Cyrus & Sons, Newark, N. J.
Mundt, Chas. & Sons, 441 Pearl, New York
Shriver, T. & Co., Harrison, N. J.

Plates (Floor, Iron & Steel)

American Steel Co. (Wrought Steel, Ribbed Diamond & Checkered Patterns), Pittsburg, Pa.
Booth, J. B. & Co., Pittsburg, Pa.
Bartholomew, H. (Pressed Steel, Ribbed & Diamond Pattern), Phoenixville, Pa.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburg, Pa.
Co-Operative Foundry Co. (Cast Iron for Mill Construction), Detroit, Mich.
Dilworth, Porter & Co., Pittsburg, Pa.
Froment & Co., 151 Bank, New York
Keystone Steel Co. ("Kesco" Open Hearth Wrought Steel, Diamond, Ribbed & Checkered Pattern), Warren, Pa.
Ogden & Wallace (Never Slip Wrought Steel), 577 Greenwich, New York
Sligo Iron & Steel Co. (Wrought Steel, Diamond Ribbed & Checkered Pattern), Pittsburg, Pa.
Townsend Furnace & Machine Shop Co. (Cast Iron), Albany, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Wood, Alan Iron & Steel Co. (Diamond & Ribbed Rolled Steel), 519 Arch, Phila., Pa.

Plates (Floor & Ceiling)

Adams Co. (For Stove Pipe Register), Dubuque, Ia.
Beaton & Corbin Mfg. Co., Southington, Conn.
Belfield, H. & Co., 485 N Broad, Phila., Pa.
Bishop & Giddings, Southington, Conn.
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Buckley-Hart Mfg. Co., Detroit, Mich.
Cheney, S. & Son, Manlius, N. Y.
Clark, Robt., 98 Schermerhorn, Brooklyn, N. Y.
Climax Specialty Co., Seneca Falls, N. Y.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crescent Brass & Iron Co., Detroit, Mich.
Crescent Mfg. Co., Bristol, Conn.
Davis, John Co., 75 Michigan, Chicago, Ill.
Devlin, Thos. & Co., 3d & Lehigh av, Phila., Pa.
Eureka Heating & Ventilating Co. (C. W. Light, Prop.), (Cast), Saginaw, Mich.
Exeter Brass Works, Exeter, N. H.
Flagg, Stanley G. & Co., 19th & Penn av, Phila., Pa.
Fort Pitt Malleable & Grey Iron Co., Pittsburg, Pa.
General Fire Extinguisher Co., Providence, R. I.
Glenn Mfg. Co., St. Charles, Ill.
Grabler Mfg. Co. (Cold Rolled Steel, Brass, Cast Iron, etc.), Cleveland, O.
Grundy Brass Works 50 Sudbury, Boston, Mass.
Haydenville Co., Haydenville, Mass., & 150 Nassau, New York
Hoffman, B. Mfg. Co., Milwaukee, Wis.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Houghton Mfg. Co., Worcester, Mass.
Illinois Malleable Iron Co., 30 West Monroe, Chicago, Ill.
Ireland & Matthews Mfg. Co. (Spun Brass), Detroit, Mich.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Kelly & Jones Mfg. Co., Pittsburg, Pa.
Kupferle, John C., St. Louis, Mo.
McNab & Harlin Mfg. Co., 56 John, New York
Matthews Mfg. Co., Worcester, Mass.
Miller Foundry & Specialty Co. ("Cling Fast" Ceiling Plates), Tonawanda, N. Y.
Nason Mfg. Co., 71 Beekman, New York
National Tube Co. (Floor, Ring & Wall), Pittsburg, Pa.
Nelson, N. O. Mfg. Co. ("Vosberg" Thimble), St. Louis, Mo.
Newbury, Jay H., Goshen, N. Y.
Newbury Mfg. Co., Monroe, N. Y.
Ohio Pump & Brass Co. (Floor), 18th & Oak, Columbus, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Smith & Thayer Co., 236 Congress, Boston, Mass.
Snyder, L. H. & Co., Bristol, Conn.
Stearns, E. C. & Co. (Ceiling), Syracuse, N. Y.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Victor Excelsior Brass Works, 128 White, New York
Walworth Mfg. Co., 132 Federal, Boston,
Waterbury Mfg. Co., Waterbury, Conn. Mass.
West Coxsackie Foundry, W. Coxsackie, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

Plates (Hinge, Corner & Center)

Yale & Towne Mfg. Co., 9 Murray, New York

Plates (Index)

Brown & Sharpe Mfg. Co., Providence, R. I.

Plates (Joint)

Colorado Fuel & Iron Co., Denver, Col.
Reading Iron Co., Reading, Pa.

Plates (Kick & Push Door)

BOMMER SPRING HINGES

257 to 271 Classon av., Brooklyn, N. Y. (See adv. index, end of book)
Champion Safety Lock Co., Geneva, O.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Chicago Hardware Co., North Chicago, Ill.
Chicago Spring Butt Co., 491 Carroll av, Chicago, Ill.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Corbin, P. & F., New Britain, Conn.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
Janusch Mfg. Co. (Brass or Bronze), 496 E. 134th, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Murdock-Shaw Co., Boston, Mass.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Penn Hardware Co., Reading, Pa.
Pittsburg Brass Mfg. Co. (Brass), Pittsburg, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Shelby Spring Hinge Co. (Steel, Solid Bronze & Brass), Shelby, O.
SMITH, F. P. WIRE & IRON WORKS 100 Lake, Chicago, Ill. (See adv. index, end of book)
Stover Mfg. Co., Freeport, Ill.
Turner Brass Works, Sycamore, Ill.
Western Brass Mfg. Works (Brass or Bronze), 21st & Rockwell, Chicago, Ill.
Yale & Towne Mfg. Co., 9 Murray, New York

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Plates (Letter Drop)

Yale & Towne Mfg. Co., 9 Murray, New York
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York

Plates (Mending)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.

*Plates (Numbering & Lettering)

NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Plates (Pew)

Everett, A. & Son, Auburn, N. Y.
Hanson, C. H., 44 Clark, Chicago, Ill.
Peerless Stamp & Stencil Co., Muncie, Ind.

Plates (Piano)

Davenport & Treacy Co., Stamford, Conn.
Fairbanks Co., Springfield, O.
Kelly, O. S. Co., Springfield, O.
Shriver, T. & Co., Harrison, N. J.

Plates (Porcelain Push, Pull, Number, Etc.)

Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

*Plates (Press)

DELAWARE HARD FIBRE CO. (Hard Fibre for Powder Mills, etc.), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)

*Plates (Pressed Steel)

PRESSED STEEL TANK CO. (Flanged, Deep Stamped, Forged or Drawn to Shape), Milwaukee, Wis. (See adv. index, end of book)

Plates (Pressed Steel Spring)

Davis Solid Truss Brake Beam Co. (Pressed Steel), Wilmington, Del.

Plates (Rail Joint)

Lackawanna Steel Co. ("Abbott"), Buffalo, N. Y.

Plates (Rapping)

(For Foundry Use)

Benskin Mfg. Co., Canton, O.
Hawker, W. S., Mfg. Co., Dayton, O.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Kelly, Thos. P. & Co. ("Fraser"), 544 W 22d, New York
Oliver Machinery Co., Grand Rapids, Mich.
Shanafelt Mfg. Co., Canton, O.
SMITH, J. D. FOUNDRY SUPPLY CO. ("Acme"), 40 S Water, Cleveland, O. (See adv. index, end of book)

Plates (Screen)

Annadale Screen Plate Co., Paterson, N. J.
Appleton Screen Plate Co., Appleton, Wis.
Bay State Tap & Die Co., Mansfield, Mass.
Bellows Falls Screen Plate Co., Bellows Falls, Vt.
Eastwood Wire Mfg. Co. (Rolled Brass & Perfection Bronze), Belleville, N. J.
Fox River Screen Plate Co., Appleton, Wis.
Hardy, Wm. A. & Sons Co. ("Hardy & Pinder"), Fitchburg, Mass.
Johnston & Chapman Co., 1333 Carroll av, Chicago, Ill.
Judson & Williams, Holyoke, Mass.
Rice-Barton & Fales Mach. & Iron Co. ("Smith"), Worcester, Mass.
Union Screen Plate Co., Fitchburg, Mass.

Plates (Sheared)

Carbon Steel Co. (Open-Hearth Steel), Pittsburg, Pa.
Carnegie Steel Co. (Steel), Pittsburg, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Illinois Steel Co. (Open Hearth Steel), 115 Adams, Chicago, Ill.
Indiana Steel Co. (Open-Hearth Steel), Commercial Bank bldg, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open-Hearth Steel), Buffalo, N. Y.
Lukens Iron & Steel Co. (Open-Hearth Steel), Coatesville, Pa.
Tennessee Coal, Iron & Railroad Co. (Open-Hearth Steel), Birmingham, Ala.
Worth Bros Co. (Open-Hearth Steel), Coatesville, Pa.

Plates (Splice)

Penna. Steel Co., Girard bldg., Phila., Pa.
Reading Iron Co., Reading, Pa.

BUILDING SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER
•COMPANY•
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Plates (Spring)

Union Spring & Mfg. Co., New Kensington, Pa.

Plates (Stair)

Globe Mfg. Co., Painesville, O.
TURNER & SEYMOUR MFG. CO. (Brass), Torrington, Conn. (See adv. index, end of book)

Plates (Steel Buckled)

Glasgow Iron Co. (For Bridges, Buildings, etc.), Pottstown, Pa.

Plates (Steel Etching)

Lippert, E. T. Saw Mfg. Co. (Used in Glass Houses for Decorating Glassware), Bennett, Pa.

Plates (Surface)

Brown & Sharpe Mfg. Co., Providence, R. I.
Hub Machine & Tool Co. ("Acme"), 621 Cherry, Phila., Pa.
Putnam Machine Co., Fitchburg, Mass.
Rogers, Jno. M. Works, Gloucester City, N. J.
Snyder & Metcalf, Waterford, N. Y.

Plates (Switch)

Altoona Iron Co. (Padded), Altoona, Pa.
Logan Iron & Steel Co., Burnham, Pa.

Plates (Tie)

Atlas Railway Supply Co., Manhattan bldg, Chicago, Ill.
Beaver Dam Malleable Iron Co., Beaver Dam, Wis.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works: Harvey, Ill.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Consolidated Supply Co., 321 Dearborn, Chicago, Ill.
Dilworth, Porter & Co. ("Goldie" Claw, etc.), Pittsburg, Pa., & 45 Cliff, New York
Elyria Iron & Steel Co. (R. R.), Elyria, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldridge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Illinois Steel Co. (Bessemer Steel), 115 Adams, Chicago, Ill.
KOPPEL, ARTHUR CO., Machesney bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lackawanna Steel Co., Buffalo, N. Y.
Niagara Forged Steel Co. (Also Combination Tin Plate & Rail Braces), Buffalo, N. Y.
Oliver Iron & Steel Co., Pittsburg, Pa.
Penna. Steel Co., Girard bldg, Phila., Pa.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Portsmouth Steel Co., Wheeling, W. Va.
Rail Joint Co. ("Federal" & "Chicago"), 29 W 34th, New York
Railroad Supply Co. ("Q. & W." "Wolhaupter," "Servis," "C. A. C." Shoulder Flange Flat Bottom Combination"), Bedford bldg Chicago, Ill.
Reading Iron Co. (Iron), Reading, Pa.
Sellers Mfg. Co., 27 W Chicago av, Chicago, Ill.
Weir Frog Co., Beach & Highland av, Cincinnati, O.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Philadelphia, Pa.

BUILDING SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER
•COMPANY•
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Plates (Turn)

Starr Bros. Bell Co. (Wrought Bronze), East Hampton, Conn.

Plates (Universal)

Cambria Steel Co. (Steel), Arcade bldg, Phila., Pa.
Carbon Steel Co. (Open Hearth Steel), Pittsburg, Pa.
Carnegie Steel Co. (Open Hearth Steel), Pittsburg, Pa.
Central Iron & Steel Co. (Steel Bridge & Structural), Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Steel), Commercial Bank bldg., Chicago, Ill.
Indiana Steel Co. (Open Hearth Steel), Commercial Bank bldg., Chicago, Ill.
Inland Steel Co. (Open Hearth Steel), 1st Nat. Bank bldg., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel), Buffalo, N. Y.
Lucknow Iron & Steel Co. (Iron & Steel), Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth Steel Plates of All Kinds), Coatesville, Pa.
United Steel Co. (Open Hearth Steel), Canton, O.
Wood, Alan Iron & Steel Co. (Open Hearth Steel), 519 Arch, Phila., Pa.
Youngstown Sheet & Tube Co. (Bessemer & Open Hearth Steel), Youngstown, O.

Plates (Welding)

HILL & GRIFFITH CO. ("Laffite"), Cincinnati, O. (See adv. index, end of book)
Phillips-Laffitte Co. ("Laffitte" Chemically Weld Iron & Steel), Penna. bldg., Phila., Pa.

Plates (Wire Drawing)

Newman, O. Wire Co., 143 Liberty, New York
Newton, J. W. (Importer & Dealer), 81 John, New York

Plates (Zinc)

Edes Mfg. Co., Plymouth, Mass.
Matthiessen & Hegeler Zinc Co. (Rolled), La Salle, Ill.
Phillips, Ezra & Sons (Pure Rolled), South Hanover, Mass.

Platforms (Steel Car)

National Car Coupler Co., Monadnock blk, Chicago, Ill. Works, Attica, Ind.
Standard Coupler Co., 2 Rector, New York Works, Bridgeport, Conn.

Plating Apparatus

Hanson & Van Winkle Co., Newark, N. J.
Zucker, Levett & Loeb Co. (Revolving Plating Apparatus for Automatic Plating), 516 W. 25th, New York

Plating Works

Acorn Brass Mfg. Co., 206 Fulton, Chicago, Ill.
American Foundry & Mfg. Co., St. Louis, Mo.
American Tube & Stamping Co. (Nickel, Brass & Copper), Bridgeport, Conn.
Arcade Mfg. Co. (Nickel), Freeport, Ill.
Boston Brass Co. (Nickel Platers), 26 Oliver, Boston, Mass.
Buescher Band Instrument Co. (All Kinds), Elkhart, Ind.

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Central Plating Works, Indianapolis, Ind.
Columbia Machine Works & Malleable Iron Co. (Nickel, etc.), 269 Chestnut, Brooklyn, N. Y.
Dailey Plating Co., Lynn, Mass.
Delaware Maine Supply Mfg. Co. (Brass & Bronze), Wilmington, Del.
Devlin, Thos. Mfg. Co. (Electro Plating in Gold Silver, Nickel, Brass & Bronze), 3d & Lehigh av, Phila., Pa.
Eastwood Wire & Mfg. Co. (Nickel Platings, Oxydising), Belleville, N. J.
Edwardsville Brass Co. (Nickel, Electro, etc.), Edwardsville, Ill.
Enterprise Brass & Plating Co., 2838 Spring Grove av., Cincinnati, O.
Enterprise Mfg. Co. (Nickel, etc.), Newburgh, N. Y
Excelsior Brass Works (Gold, Silver, Brass, Nickel, Copper & Oxidising), Reading, Pa
Frazer & Jones (Nickel, Brass & Copper), Syracuse, N. Y.
Gaumer, Jno. L. Co. (Electro, Gold, Silver, Nickel, Copper, etc.), 22d & Wood, Phila., Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
KEIM, JOHN R. MILLS (Inc.) (Nickel, etc.) (See adv. index, end of book)
Kienzle, W. F. (Gold, Silver, Oroide, Brass & Nickel), 92 Ohio, Chicago, Ill.
Lockwood Co. (Nickel & Silver), Newark, N. J.
Loeffelholz Co. (Silver & Nickel), Milwaukee, Wis.
Metal Finishing Co., Union City, Conn.
Miller, J. Walter (Gold, Silver & Nickel), Lancaster, Pa.
Mills, Wm. J. (Gold, Silver & Nickel Plating) 639 Kent av, Brooklyn, N. Y
Milwaukee Automatic Machine Co. (Brass, Copper & Nickel), Milwaukee, Wis.
Naugatuck Mfg. Co., Naugatuck, Conn.
Norwich Nickel & Brass Co. (Nickel, Copper & Silver), Norwich, Conn.
Ohio Foundry Co. (Nickel), Cleveland, O.
Philadelphia Hardware & Malleable Iron Works (Inc.), 9th & Jefferson, Phila., Pa.
Racine Malleable & Wrought Iron Co. (Nickel, etc.), Racine, Wis.
Reed & Prince Mfg. Co. (Nickel, Brass & Copper), Worcester, Mass.
Sessions, J. H. & Son (Brass, Nickel & Bronze Plating & Polishing), Bristol, Conn.
Timberlake, J. B. & Sons (Gold, Silver & Nickel), Jackson, Mich.
Tresal Bronzing & Plating Co. (Bronzers, Gilders & Platers), 245 W 28th, New York
Turner Brass Works, Syracuse, Ill.
TURNER & SEYMOUR MFG. CO. (Silver, Nickel, Gold, etc.), Torrington, Conn. (See adv. index, end of book)
VOELKNER & HARRY MFG. CO., 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)
Vogel, Wm., & Bros., 37 S. 9th, Brooklyn, N.Y.
Weiskittle, A. & Son (Nickel Platers, Enamelers, etc.), Aliceanna & Washington, Baltimore, Md.
Woods-Sherwood Co. (Nickel & Silver), Lowell, Mass.
WRIGHT WIRE CO. (All Kinds of Plating), Worcester, Mass. (See adv. index & branch offices, end of book)

Platinoid (Non-Fusing)

Manhattan Dental Co., Times bldg. New York

Platinum

AMERICAN PLATINUM WORKS (Specialties), Chestnut st & N. J. R. R. av, Newark, N. J. (See adv index, end of book)
Baker & Co. (Inc.) (Special Shapes), Newark, N. J.
Bishop J. & Co. (Refiners & Melters, Wire, Plate, Tubes & Special Shapes), Malvern, Pa.
Croselmire & Ackor Co., Newark, N. J.
Goldsmith Bros. Smelting & Refining Co., Heyworth bldg., Chicago, Ill.
Platt, C. S. Co., 31 Gold, New York
Schawel, Jas. & Co., 27 John, New York
Roessler & Hasslacher Chemical Co. (Jobbers), 100 William, New York

*Platinum Crucibles & Dishes

AMERICAN PLATINUM WORKS, Chestnut st & N J R R av, Newark, N. J. (See adv. index, end of book)
CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Platinum Foil

CROSELMIRE & ACKOR CO. (Very Soft), 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Platinum Gauze

CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Platinum-Iridium Balls

CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Platinum-Iridium Sheet & Wire

CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

Platinum Sheet & Wire

AMERICAN PLATINUM WORKS, Chestnut st & N J R R av, Newark, N. J. (See adv. index, end of book)
Baker & Co. (Also Iridio Platinum), 408 N. J. R. R. av, Newark, N. J.
Bishop, J. & Co., Malvern, Pa.
CROSELMIRE & ACKOR CO. (Soft & Hard), 42 Walnut, Newark, N. J. (See adv. index, end of book)

CROSELMIRE & ACKOR CO.,
PLATINUM REFINERS.

PLATINUM AND PLATINUM-IRIDIUM
in all shapes and sizes.
Sheet, Wire, Foil (very soft), Gauze, Tubing, Points, Rivets, Ware for Laboratory Use, Pyrographic Points, Etc. Platinum Scrap Purchased and Exchanged.
42 WALNUT ST., :: NEWARK, N. J.

Schawel, J. & Co., 29 John, New York

*Platinum Ware for Laboratory Use

CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

Pliers (Fencing)

Cronk & Carrier Mfg. Co., Elmira, N. Y.
King, J. M. Co. (Inc.) ("Button's" Wire Cutter & Plier Combined), Waterford, N. Y.
Utica Drop Forge & Tool Co., Utica, N. Y.

Pliers (Gas)

Ashcroft Mfg. Co., 85 Liberty, New York
Athol Machine Co., Athol, Mass.
Barnett, Oscar Foundry Co. ("Barnett"), Newark, N. J.
BERNZ, OTTO, S 13th, c S Orange av, Newark, N. J. (See adv. index, end of book)
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Clark, A. N. & Son, Plainville, Conn.
Climax Specialty Co., Seneca Falls, N. Y.
Crescent Tool Co. ("Crescent" & "Simplex" Combination Drop Forged Gas Pliers, Wire Cutter, Wrench & Screw Driver), Jamestown, N. Y.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Hall, Chas. E., Co. (Combination), Buffalo, N. Y.
Hardware & Woodenware Mfg. Co., 698 B'way, New York
Hjorth, Wm., & Co., Jamestown, N. Y.
Indianapolis Drop Forging Co. (Combination), Indianapolis, Ind.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jennings, C. E. Co., 79 Reade, New York
Johnson, Wm. (Hedenberg Works), Newark, N. J
Kilborn & Bishop Co., New Haven, Conn.
King, J. M. & Co., Waterford, N. Y.
Kraeuter & Co., Newark, N. J.
Lowentraut, P. Mfg. Co., Newark, N. J.
Metal Finishing Co., Union City, Conn.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Osborne, C. S. & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Reed Mfg. Co., Erie, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sargent & Co., New Haven Conn., & 151 Leonard, New York
Schollhorn, Wm. Co., New Haven, Conn.
Smith & Egge Mfg. Co. ("S. & E. M. Co."), Bridgeport, Conn.
Stortz, John & Son, 210 Vine, Philadelphia, Pa.
Tower & Lyon Co., 95 Chambers, New York
Utica Drop Forge & Tool Co., Utica, N. Y.
Vaughn & Bushnell Mfg. Co. ("V. & B." Cutter), 875 W Carroll av, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Washington Tool Co., Owatonna, Minn.

Pliers (Glass Cutters')

Kraeuter & Co., Newark, N. J.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Pliers (Lead Pipe Expanding)

Anderson Coupling Co. ("Anderson"), Portland, Conn.
Lord, L. L. Co. ("Lord"), Meadville, Pa.

Pliers (Lineman's)

Cincinnati Tool Co. ("Hargrave's",) Cincinnati, O.
Crescent Tool Co. ("Crescent" Drop Forged), Jamestown, N. Y.
Cronk & Carrier Mfg. Co. (Insulated & Non-Insulated), Elmira, N. Y.
Dicke Tool Co., Downers Grove, Ill.

PLATINUM PLATE, SHEET, WIRE, RIVETS, CONTACT POINTS, SEAMLESS TUBING, PLATINUM CRUCIBLES, DISHES, ELECTRODES, ETC.
PLATINUM SCRAP BOUGHT OR EXCHANGED.
PLATINUM IRIDIUM ALLOYS IN ANY GRADE OF HARDNESS.
AMERICAN PLATINUM WORKS, CHESTNUT ST. & N. J. R. R. AVE. NEWARK, N. J.
New York Office, CHARLES ENGELHARD, 30 CHURCH St.

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IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Johns, H. W.-Manville Co. (Insulated), 100 William, New York
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Peck, Stow & Wilcox Co. (Mica Handle), Southington, Conn.
Scholhorn, Wm. Co. ("Bernard's"), New Haven, Conn.
Utica Drop Forge & Tool Co., Utica, N. Y.

Pliers (Piano Makers')

Kraeuter & Co., Newark, N. J.

*Pliers (Pressed Steel)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Pliers & Nippers

(See also Clinchers; also Pliers, Gas)

Athol Machine Co. (Combination, etc.), Athol, Mass.
Barnett, Oscar Foundry Co. (Combination Pliers, etc., "Barnett"), Newark, N. J.
Bergman Hardware & Tool Mfg. Co., Buffalo, N. Y.
BERNZ, OTTO (Cutting, Combination, etc.), S 13th c S Orange av. Newark, N. J. (See adv. index, end of book)
Billings & Spencer Co. (Cutting, Combination, Gas, etc.), Hartford, Conn.
Blair, E., Bucyrus, O.
Bonner, C. E. Mfg. Co., Chrisman, Ill.
Bridgeport Hardware Mfg. Co. (Gas, Flat Nose & Combination Pliers, etc.), Bridgeport, Conn.
Cincinnati Tool Co. (Combination Pliers, etc.), Norwood, Cincinnati, O.
Clark, A. N. & Son, Plainville, Conn.
Crescent Tool Co. ("Crescent," "Simplex" Drop Forged Combination Gas Pliers, Wire Cutter & Screw Driver Combined), Jamestown, N. Y.
Cronk & Carrier Mfg. Co. (Combination Pliers), Elmira, N. Y.
Dicke Tool Co. (Combination, Wireman's, etc.), Downers Grove, Ill.
Hall, Chas. E. Co. (Adjustable Combination Pliers), Buffalo, N. Y.
Hjorth, Wm. & Co. (Also Pocket Pliers), Jamestown, N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) ("Button's" Combination Plier), 169 Chambers, New York. (See adv. index, end of book)
Kilborn & Bishop Co. (Forged Combination & Gas Pliers), New Haven, Conn.
King, J. M. Co. (Inc.) (Combination, etc.), Waterford, N. Y.
Kraeuter & Co. (Combination), 577 18th av, Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co.," Gas, Saddlers', etc.), Harrison, N. J.
Peck, Stow & Wilcox Co. (Round & Flat Nose, etc.), Southington, Conn.
Reed Mfg. Co. (Combination Gas Pliers), Erie, Pa.
Sayre, L. A. Co. ("Hercules" Fence Pliers), Newark, N. J.
Scholhorn, Wm. Co. ("Bernard's," "Paragon," Pliers & Nippers Combined), New Haven, Conn.
Smith, Otis A. (Side Cutting), Rockfall, Conn.
Stortz, John & Sons (Gas), 210 Vine, Phila., Pa.
Utica Drop Forge & Tool Co. (Cutting, etc.), Utica, N. Y.
Walworth Mfg. Co. (Gas, etc.), Boston, Mass.

Plow Beams (Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburg.
Empire Plow Co., Cleveland, O. Pa.
Hench & Drumgold Co., York, Pa.
Inland Steel Co. (Open Hearth Steel), First National Bank bldg., Chicago, Ill.
Interstate Iron & Steel Co. (High Carbon Steel), 1st Nat'l. Bank bldg., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Norwalk Steel & Iron Co., Norwalk, O.
Republic Iron & Steel Co., Pittsburg, Pa.
Shunk Plow Co., Bucyrus, O.

Plow Coulters

Avery, B. F. & Sons ("Moore"), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bradley, David Mfg. Co. ("Bradley" Caste), Bradley, Ill.
Buckeye Mfg. Co. (Rolling), Canton, O.
Cambria Steel Co. (Gautier Dept.), Johnstown, Pa.
Carnegie Plow & Mfg. Co. ("Universal" & "Star"), Carnegie, Pa.
Clayton, John Plow Works ("Universal"), Minneapolis, Minn.
Collins Plow Co., Quincy, Ill.
Eaton Plow Works (V. A. Stookey & Son, Prop.), Pinckneyville, Ill.
Empire Plow Co., Cleveland, O.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Galesburg Coulter-Disc Co. ("Sandoval" "Galesburg" Rolling), Galesburg, Ill.
Hartford Plow Works ("Tally Ho"), Hartford, Wis.
Hartman Mfg. Co. ("Acme" Jr. & Sr.), Vincennes, Ind.
Hench & Dromgold Co., York, Pa.
Herschel, R. Mfg. Co., Peoria, Ill.
Kingman Plow Co. ("Kingman Universal"), Peoria, Ill.
La Crosse Plow Co. ("La Crosse"), La Crosse.
Lambert, J. C., Co., Tonica, Ill. Wis.
Minneapolis Plow Works ("Johnson," "Quincy," "Monitor," "Invincible"), Minneapolis, Minn.
Moline Plow Co. ("New Universal" Roller), Moline, Ill.
Moore, C. H., Toledo, O.
Morris Bros. ("Cyclone" Roller & Breaker), Dewitt, Iowa
Nevin & Wetmore, Lowville, N. Y.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Parlin & Orendorff Co., Canton, Ill.
Rock Island Plow Co. ("Universal," "Rock Island"), Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Sparta Plow Works ("Adjustable"), Sparta.
Spier, Hugh ("Boss"), Bunker Hill, Ill. Ill.
Star Coulter Co. ("Star"), Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Weyburn Co. ("Ideal" Rolling), Rockford, Ill.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Plow Jointers

Buckeye Mfg. Co., Canton, O.

Plow Mfrs.

Adams, S. & Son, Rome, N. Y.
Allen, S. L. & Co., 1107 Market, Phila., Pa.
Almy, Saml. & Son, Trumansburg, N. Y.
American Plow Co., Madison, Wis.
American Road Mach. Co., Kennett, sq., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Arnold's, G. W. Son, Ionia, Mich.
Atlanta Agricultural Works, Atlanta, Ga.
Atlanta Plow Co., Atlanta, Ga.
Austin-Bryan Mfg. Co. (Wood & Steel Beam), Avery Co., Peoria, Ill. Birmingham, Ala.
Avery, B. F. & Sons (Chilled Steel), Louisville, Ky.
Babcock Mfg. Co., Leonardsville, N. Y.
Barnes Mfg. Co., Lanesboro, Pa.
Bailey, E. Martin, Leroysville, Pa.
Bailey, Nichols & Co., Delavan, Ill.
Ball, Mitchell & Co., Maysville, Ky.
Beach Mfg. Co. (Chilled), Lyons, Mich.
Beachtolt, Geo. M., Urbana, O.
Becker, J. E., Appleton, Wis.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bement's, E. Sons (Chilled), Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Billup, C. Son & Co., Norfolk, Va.
Blount, Henry F., 1400 Main, Evansville, Ind.
Bostwick, A. & Son, Lapeer, Mich.
Bowers, R. Q. & Sons, Hackettstown, N. J.
Blount, Henry F., Evansville, Ind.
Bradley, David Mfg. Co. (Chilled), Bradley, Ill.
Bradley, P., Harrisonburg, Va.
Brinly-Hardy Co. (Hand Welded Steel Point), Louisville, Ky.
Brokaw, Abram, Bloomington, Ill.
Brookman, A. F., Bay City, Mich.
Brown, Geo. W. & Co., Galesburg, Ill.
Brown, J. I., Woodbury, Pa.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Bryan Plow Co., Bryan, O.
Bucher & Gibbs Plow Co. (Chilled Steel, Combination), Canton, O.
Buffalo-Pitts Co., Buffalo, N. Y.
Buhr, H. J. & Co., Washington, Mo.
Burch Plow Works Co., Crestline, O.
Burton Handle Co. (Chilled), Burton, O.
Call-Watt Co., Richmond, Va.
Carter, W. D. Mfg. Co., Canisteo, N. Y.
Case, J. I. Plow Works, Racine, Wis.
Cass City Fdy. & Machine Co., Cass City, Mich.
Castile Chilled Plow Co., Castile, N. Y.
Caward, R. S., Cresco, Iowa
Champlain Agricultural Works, Champlain, N. Y.
Chattanooga Plow Co (Chilled), Chattanooga Tenn.
Christiansburg Chilled Plow & Machine Works (Chilled), Christiansburg, Va.
Clipper Chilled Plow Co, (Chilled), Elmira, N. Y.
Clore's Wm. Sons, Rising Sun, Ind.
Collins Co. (Gang & Wheel Walking), Collinsville, Conn.
Collins Plow Co. (Walking or Riding), Quincy Ill.
Columbia Plow Works (Chilled), Copake Iron Works, N. Y.
Cooper, A. A. Wagon & Buggy Co., Dubuque, Iowa
Crescent Forge & Shovel Co., Havana, Ill.
Curry Plow Co., Wellington, Kan.
Cutaway Harrow Co., Higganum, Conn.
Davidson, A., Foundry Co., Canandaigua, N. Y.
Davis Mfg. Co. (Chilled), Flushing, Mich.
Deats, Hiram, Jr., Pittstown, N. J.
Deere & Co., Moline, Ill.
Donaldson Bros. (Steel & Wood Rim), Mount Clemens, Mich.
Drummond Plow Co., Asheville, N. C.
Dutton, E. L. & Co. (Iron & Wood Beam), Cato, N. Y.
Eagle Mfg. Co., Kansas City, Mo.
Eaton Plow Works (V. A. Stookey & Son Props.), Pinckneyville, Ill.
Eddy, W. Plow Co., Greenwich, N. Y.
Emerson Mfg. Co., Rockford, Ill.
Empire Plow Co., Cleveland, O.
Eureka Plow Co. (Walking), Utica, N. Y.
Fair & Sons, Blaine, Mich.
Fairfield Plow Works, North Fairfield, O.
Farquhar, A. B. Co. (Chilled), York, Pa.
Fonda, F. A., East Galway, N. Y.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. (3-Wheel Sulky, 3-Wheel Gang Riding, & One, Two & Three-Horse Walking), Albion, Mich.
Galesburg Coulter-Disc Co., Galesburg, Ill.
Geiser Mfg. Co., Waynesboro, Pa.
Geneva Tool Co., Geneva, O.
Gesley Mfg. Co., Beloit, Wis.
Goddard, Silas & Son (Steel & Iron), South Durham, Me.
Gowanda Agricultural Works (Steel), Gowanda, N. Y.
Grand Detour Plow Co. (Listing), Dixon, Ill.
Greenville Implement Co., Greenville, Mich.
Hall, Jas. H. Plow Co., Maysville, Ky.
Hamackek, Frank, Kewaunee, Wis.
Hapgood Plow Co., Alton, Ill.
Harriman Plow & Handle Co., Harriman, Tenn.
Hartford Plow Works, Hartford, Wis.
Hartig-Becker Plow Co., Evansville, Ind.
Hauge, G. A., Albert Lea, Minn.
Hench & Dromgold Co. (Inc.), York, Pa.
Hillsdale Plow Co., Hillsdale, N. Y.
Hildreth, G. W. & Co. (Scotch), Lockport, N. Y.
Houser & Haines Mfg. Co., Stockton, Cal.
Hulbert, Geo. A., Old Catham, N. Y.
Hussey Plow Co., N Berwick, Me.
Implement Mfg. Co., Davenport, Iowa
Indiana Road Machine Co., Fort Wayne, Ind.
Janesville Machine Co., Janesville, Wis.
Johnson, Jno. S., Waukon, Iowa
Johnson & Smith Co., Austin, Minn.
Kaster, P. M., Rimersburg.
Kelly, G. A. Plow Co., Longview, Texas
Kennehan, P. E., Brasher Falls, N. Y.
Kerns, H. O., Sutherlin, Va.
Keystone Farm Machine Co., York, Pa
Kingman Plow Co., Peoria, Ill.
Knutson, C., Berlin, Wis.
La Crosse Plow Co., La Crosse, Wis.
Leader Plow Co., Staunton, Va.
Lee, R. E., Almont, Mich.
Lehr Agricultural Co., Fremont, O.
Leroy Plow Co., Leroy, N. Y.
Little, O. J., Deckertown, N. J.
Logan Foundry & Machine Works, Logan, O
Long & Allstatter Co., Hamilton, O.
Look & Lincoln, Marion, Va.
Loose, Samuel A., Hamburg, Pa.
Lovejoy Co. (Chilled), Cambridge, N. Y.
Luthy & Co., Peoria, Ill.
Lyon Iron Works, Greene, N. Y.
McDonnell Foundry & Machine Co., Jacksonville, Fla.
Marietta Mfg. Co., Marietta, O.
Marsh, E. B. Bros. & Co., Sycamore, Ill.
Martinsburg Foundry, Martinsburg, Pa.
Matteson & Williamson Mfg. Co., Stockton, Cal.
May, Wm. H. & Son, Alexandria, Va.
Merrill, F. C., South Paris, Me.
Midland Mfg. Co., Fariko, Mo.

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Minneapolis Plow Works, Minneapolis, Minn.
Mishawaka Plow Co., Mishawaka, Ind.
Moline Plow Co., Moline, Ill.
Monmouth Plow Co., Monmouth, Ill.
Moore Plow & Implement Co. (Walking), Greenville, Mich.
Mount Pleasant Plow Co., Mount Pleasant, Mountville Mfg. Co., Mountville, Pa. Mich.
Munnsville Plow Co., Munnsville, N. Y.
Murkland, J. W. Barton, Vt.
Nevius Iron Works, Lowville, N. Y.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Oldendorph, Jacob (Iron Beam), Waterloo, Ill.
Oliver Rake Co., Dayton, O.
Ohio Cultivator Co., Bellevue, O.
Oyler Plow Co., Barberton, O.
Painter & Frankland, Albion, Ill.
Parlin & Orendorff Co., Canton, Ill.
Parrott Mfg. Co., Dayton, O.
Pattee Plow Co., Monmouth, Ill.
Peek, S. H. (Steel), East Aurora, N. Y.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Puddock & Lermont, Harbor Beach, Mich.
Racine-Sattley Co., Springfield, Ill.
Reeves & Co., Columbus, Ind.
Richmond Plow Co., Richmond, Ind.
Ripson, Wm. & Son, Youngstown, N. Y.
Robinson Chilled Plow Co., Canandaigua, N. Y.
Rockford Mfg. Co., Rockford, Ill.
Rock Island Plow Co. (Chilled & Steel), Rock Island, Ill.
Ross, A. M. & Co., Ilion, N. Y.
Rowell, I. B. & Co. (Riding or Walking), Menominee Falls, Wis.
Roy Plow Co., Paragould, Ark.
St. Joseph Mfg. Co. (Chilled & Steel), Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
Sellers, Edw., Oakhall Station, Pa.
Shangle, John R., Hightstown, N. J.
Shaw, H. C. Co., Stockton, Cal.
Shunk Plow Co., Bucyrus, O.
Sioux Falls Plow Co., Sioux Falls, S. Dak.
Smalley Mfg. Co., Manitowoc, Wis.
Smith-Amann Plow Co., Columbus, O.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co. (Chilled), South Bend, Ind.
South Bend Foundry Co., South Bend, Ind.
Southern Agricultural Works Co. (Chilled), Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Southern Rock Island Plow Co., Rock Island, Ill.
Sparta Plow Works, Sparta, Ill. Ill.
Spaulding Dobbins Disc Plow Co., San Francisco, Cal.
Speer, A. & Sons, Pittsburg, Pa.
Spieth, Gottlieb F., Des Moines, Ia.
Star Mfg. Co., Carpentersville, Ill.
Stark's Dixie Plow Works, Richmond, Va.
Stehn Mfg. Co., Sheboygan, Wis.
Stoughton Wagon Co., Stoughton, Wis.
Steward, A. T. Co., Carnegie, Pa.
Stroker, Frits C., Olney, Mo.
Sturgis, W. B. & Son, Shelbyville, Ill.
Swinton & Co., Port Jervis, N. Y.
Syracuse Chilled Plow Co. (Chilled), Syracuse, N. Y.
Thompson, J. & Sons Mfg. Co. (Chilled), Beloit, Wis.
Tomasek & Nekola, La Crosse, Wis. Wis.
Towers & Sullivan Mfg. Co., Ros..., ca.
Varney, J. B., Plow Co., North Berwick, Me.
Volunteer Disc Plow Co., Chattanooga, Tenn.
Vulcan Plow Co. (Chilled & Steel), Evansville, Ind.
Wagner Plow Co., Indianapolis, Ind. Ind.
Walker-Sims Plow Co., Atlanta, Ga.
Watkins Chilled Plow Co. (Chilled), Watkins, N. Y.
Watts Plow Co., Richmond, Va.
Wayne Agricultural Works, Goldsboro, N. C.
Wells, H. B. & Sons, Ithaca, N. Y.
Wells-Jones Plow Co., Jackson, Tenn.
Western Wheeled Scraper Co., Aurora, Ill.
White, S. R. Bro., Norfolk, Va.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman, E. B. & Co. (Chilled), Baltimore, Md.
Wiard Plow Co. (Chilled & Steel), Batavia, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.

Plowing Outfits (Steam)

Geiser Mfg. Co., Waynesboro, Pa.

Plows (Asparagus)

Wicoff, Chas. & Bro., Hightstown, N. J.

Plows (Ballast)

Bucyrus Co., So. Milwaukee, Wis.

Plows (Beet)

Parlin & Orendorff Co., Canton, Ill.

Plows (Breaking)

American Road Machine Co., Kennett Square, Pa.
Avery, B. F. & Sons, Louisville, Ky.
Bement's E. Sons, Lansing, Mich.
Bradley, David Mfg. Co., Bradley, Ill.
Brinly-Hardy Co., Louisville, Ky.
Brown, Geo. W. & Co. (Rod), Galesburg, Ill.
Brown-Manly, Malta, O.
Busch Plow Works Co., Crestline, O.
Case, J. I. Plow Works, Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
Clipper Plow Co., Defiance, O.
Deere & Co., Moline, Ill.
Eagle Mfg. Co. ("Middle Buster"), Kansas City,
Emerson Mfg. Co., Rockford, Ill. Mo.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co., Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hench & Bromgold Co., York, Pa.
Hopgood Plow Co., Alton, Ill.
Horting-Becker Plow Co., Evansville, Ind.
Johnson & Smith Co. (Grub & Sod), Austin,
Kingman Plow Co., Peoria, Ill. Minn.
La Crosse Plow Co., La Crosse, Wis.
Lanfersieck-Grothaus Co., New Bremen, O.
Lee Bros., Watertown, S. Dak.
Lehr Agricultural Co., Fremont, O.
Meesinger Mfg. Co., Tatamy, Pa.
Minneapolis Plow Works, Minneapolis, Minn.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.
Parrott Mfg. Co., Dayton, O.
Peru Plow & Wheel Co. (Tongue & Tongueless), Peru, Ill.
Richmond Plow Co., Richmond, Ind.
Rock Island Plow Co., Rock Island, Ill.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
Sattley Mfg. Co., Springfield, Ill.
Schuerenberg, F. W. (Also Wagons), Brenham, Tex
Shunk Plow Co. (Steel, Street, etc.), Bucyrus, O.
Smith-Amann Plow Co. (Combination), Columbus, O.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works Co., Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Star Mfg. Co., Carpentersville, Ill.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Toledo Plow Co., Toledo, O.
Vulcan Plow Co., Evansville, Ind.
Wagner Plow Co. (Chilled & Steel), Indianapolis, Ind.
White, S. R. & Bro. (Grub), Norfolk, Va.

Plows (Clay)

CENTRAL IRON WORKS (For Brick Mfrs.), Quincy, Ill. (See adv. index, end of book)
Fernholtz Brick Machinery Co., Boyle av & Old Manchester rd. St. Louis, Mo.

Plows (Contractors')

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machine Co., Kennett Square, Pa.
American Steel Scraper Co. (Road), Sidney, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Austin Mfg. Co., Manhattan bldg, Chicago, Ill. Works, Harvey, Ill.
Avery, B. F. & Sons, Louisville, Ky.
Blount, Henry F. (Railroad), Evansville, Ind.
Bradley, David, Mfg. Co., Bradley, Ill.
Brinly-Hardy Co., 344 E Main, Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Carnegie Plow & Mfg. Co. ("Carnegie Princess"), Carnegie, Pa.
Case, George F., Stanton, Mich
Case, J. I. Plow Works, Racine, Wis.
Climax Road Machine Co., Marathon, N. Y.
Clipper Plow Co. (Road), Defiance, O.
Collins Plow Co. (Boss & Giant, 2 to 12 Horses), Quincy, Ill.
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
Deere & Co., Moline, Ill.
Disc Grader & Plow Co. (Rotary Disc Plows), Hunter, North Dak.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
FAIRBANKS, MORSE & CO. (Grading, etc.), Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fort Madison Plow Co., Fort Madison, Ia.
Fresno Agricultural Works, Fresno, Cal.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. (Road & Railroad), Albion, Mich.
Good Roads Machinery Co., Kennett Square, Pa.
Gowanda Agricultural Works (Grading), Gowanda, N. Y.
Heller, P. J., Montclair, N. J.
Hildreth, G. W. & Co., Lockport, N. Y.
Indiana Road Machine Co., Fort Wayne, Ind.
Johnson & Smith Co. (Railroad, etc.), Austin, Minn.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Kingman Plow Co., Peoria, Ill.
Lovejoy Co., Cambridge, N. Y.
Moline Plow Co., Moline, Ill.
Minneapolis Plow Works, Minneapolis, Minn.
Munnsville Plow Co. ("Hercules"), Munnsville, N. Y.
Oliver Chilled Plow Co., South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rock Island Plow Co., Rock Island, Ill.
St. Joseph Plow Co., St. Joseph, Mo.
Shunk Plow Co., Bucyrus, O.
Sidney Steel Scraper Co., Sidney, O.
Slusser-McLean Scraper Co. (Rooter), Sidney, O.
Smith & Sons Mfg. Co., Lydia & Guinotte av, Kansas City, Mo.
Stewart, A. T. Co., Carnegie, Pa.
Strain, J. H., Co., 85 Front, New York
Sturgis, W. B. & Son (Road), Shelbyville, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Universal Road Machinery Co., 120 Liberty, New York
Vulcan Plow Co. (Road), Evansville, Ind.
Western Wheeled Scraper Co. (Rooter & Grading), Aurora, Ill.
Whitehurst, R. W. Co., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.

Plows (Corn)

Deshay, D. H. (Arch Top Double), Elysburg, Pa.
La Crosse Plow Co., La Crosse, Wis.
Rock Island Plow Co., Rock Island, Ill.

Plows (Disc or Rotary)

Atlanta Agricultural Works, Atlanta, Ga.
Avery, B. F. & Sons, Louisville, Ky.
Bement's, E. Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Bradley, David Mfg. Co., Bradley, Ill.
Chattanooga Plow Co., Chattanooga, Tenn.
Cutaway Harrow Co. (Disc Sulky), Higganum, Conn.
Deere & Co., Moline, Ill.
Disc Grader & Plow Co., Hunter, North Dak.
Emerson Mfg. Co., Rockford, Ill.
Houser & Haines Mfg. Co., Stockton, Cal.
Kingman Plow Co., Peoria, Ill.
La Crosse Plow Co., La Crosse, Wis.
Long & Allstatter ("Hamilton," "Hancock" Disc), Hamilton, O.
Moline Plow Co. (Rotary), Moline, Ill.
Parlin & Orendorff Co., Canton, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Sanders, Newell Plow Co., Chattanooga, Tenn.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works, Atlanta, Ga.
Spaulding Robbins Disc Plow Co., San Francisco, Cal.
Texas Disc Plow Co., Dallas, Tex.
Volunteer Disc Plow Co., Chattanooga, Tenn.

Plows (Ditching)

American Road Machine Co., Kennett Square, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Deere & Co., Moline, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Larimer Mfg. Co., Latrobe, Pa.
Munnsville Plow Co., Munnsville, N. Y.
Parlin & Orendorff Co., Canton, Ill.
St. Joseph Plow Co., St. Joseph, Mo.

Plows (Gang)

American Plow Co. (All Steel), Madison, Wis.
Avery, B. F. & Sons, Louisville, Ky.
Bement's, E. Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Bradley, David Mfg. Co., Bradley, Ill.

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Brown, George W. & Co., Galesburg, Ill.
Bucher & Gibbs Plow Co., Canton, O.
Case, J. I. Plow Works, Racine, Wis.
Cass City Foundry Co., Cass City, Mich.
Coffeyville Implement & Mfg. Co., Coffeyville, Kan.
Collins Co., Collinsville, Conn.
Collins Plow Co., Quincy, Ill.
Cutaway Harrow Co. (Disc.), Higganum, Conn.
Deere & Co. (Disc), Moline, Ill.
Donaldson Bros., Mount Clemens, Mich.
Emerson Mfg. Co., Rockford, Ill.
Farquhar, A. B. Co., York, Pa.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. ("Gale," "Daisy," "Great West"), Albion, Mich.
Galesburg Coulter-Disc. Co. ("Brown"), Galesburg, Ill.
Geiser Mfg. Co., Waynesboro, Pa.
Grand Detour Plow Co., Dixon, Ill.
Greenville Implement Co. (Walking), Greenville, Mich.
Hapgood Plow Co., Alton, Ill.
Janesville Machine Co., Janesville, Wis.
Keystone Iron Works, Los Angeles, Cal.
Kingman Plow Co., Peoria, Ill.
Kingman & Co., Peoria, Ill.
La Crosse Plow Co., La Crosse, Wis.
Matteson & Williamson Mfg. Co. (Reversible), Stockton, Cal.
Minneapolis Plow Works, Minneapolis, Minn.
Moline Plow Co. ("Flying Dutchman" Engine (Moldboard & Disc), Moline, Ill.
Monmouth Plow Co., Monmouth, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Peppler, Thomas, Hightstown, N. J.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co., Springfield, Ill.
Rockford Mfg. Co. ("Farm Queen," "Rockford") Rockford, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rowell, I. B. Co., Menominee Falls, Wis.
Shangle, John R., Hightstown, N. J.
Shaw, H. C. Co., Stockton, Cal.
South Bend Chilled Plow Co. (Disc), South Bend, Ind.
Sparta Plow Works, Sparta, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Toledo Plow Co., Toledo, O.
Wilder-Strong Implement Co., Monroe, Mich.

Plows (Gang, Steam)

Avery Co. ("Avery"), Peoria, Ill.
Benicia Agricultural Works, Benicia, Cal.
Deere & Co., Moline, Ill.
Geiser Mfg. Co., Waynesboro, Pa.
La Crosse Plow Co., La Crosse, Wis.
Milton Garvin Steam Plow Co., Stafford, Kan.
Parlin & Orendorff Co., Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Reeves & Co., Columbus, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

Plows (Gang, Wheel)

Avery, B. F. & Sons, Louisville, Ky.
Deere & Co., Moline, Ill.
Hapgood Plow Co., Alton, Ill.
Houser & Haines Mfg. Co. ("Stockton"), Stockton, Cal.
Keystone Farm Machine Co., York, Pa.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co., Moline, Ill.
Parlin & Orendorff Co., Canton, Ill.
Rock Island Plow Co., Rock Island, Ill.
Shaw, H. C. Co. ("Stockton Reversible"), Stockton, Cal.
Southern Agricultural Works Co., Atlanta, Ga.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Plows (Garden)

Allen, S. L. & Co., 1017 Market, Phila., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Avery, B. F. & Sons, Louisville, Ky.
Bateman Mfg. Co., Grenloch, N. J.
Bissell, T. M. Plow Co., Eaton Rapids, Mich.
Black, Geo. H., Buchanan, Mich.
Brinly-Hardy Co., Louisville, Ky.
Case, J. I. Plow Works, Racine, Wis.
Crescent Forge & Shovel Co. (Wheel), Havana, Ill.
Deere & Co., Moline, Ill.
Deuscher, H. P. Co., Hamilton, O.
Dutton, E. Q. & Co., Cato, N. Y.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co., Albion, Mich.
Leader Plow Co., Staunton, Va.
Monmouth Plow Co., Monmouth, Ill.
Parlin & Orendorff Co., Canton, Ill.
Richmond Plow Co., Richmond, Ind.
Rock Island Plow Co., Rock Island, Ill.
Sears, Albert H., Plano, Ill.
Southern Agricultural Works Co., Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tenney & Sikking, Inc. (Wheel), Decatur, Ill.
Thornburgh Mfg. Co. ("Climax"), Bowling Green, O.
Whitehurst, R. W. Co., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.

Plows (Grooving)

Ohio Tool Co. (Panel, etc.), Columbus, O.
Sandusky Tool Co. (Panel Plows, Plow Arms, etc.), Sandusky, O.

Plows (Hop)

Adams, S. & Son, Rome, N. Y.
Deere & Co., Moline, Ill.
Dutton, E. Q. & Co., Cato, N. Y.
Gale Mfg. Co., Albion, Mich.
Gowanda Agricultural Works, Gowanda, N. Y.
Robinson Chilled Plow Co., Canandaigua, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Whitehurst, R. W. & Co., Norfolk, Va.

Plows (Ice)

Ames Plow Co., Quincy Hall, Boston, Mass.
Bodenstein, J. G. & Co., Staatsburg, N. Y.
Dernell, H. F. & Co., Athens, N. Y.
Dorsch, Jno. & Sons, Milwaukee, Wis.
Gerlach, Peter, Co., Columbus rd. & Winter, Cleveland, O.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Grumman, G. B., Branchville, Conn.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Stevens, Benj. A. Co., Toledo, O.
Woodhouse, J. S., 191 Water, N. Y.

Plows (Locomotive)

Western Wheeled Scraped Co., Aurora, Ill.

Plows (Potato)

Brinly-Hardy Co., Louisville, Ky.
Deere & Co., Moline, Ill.
Gale Mfg. Co., Albion, Mich.
Hartig-Becker Plow Co., Evansville, Ind.
Hench & Dromgold Co., Inc., York, Pa.
La Crosse Plow Co., La Crosse, Wis.
Parlin & Orendorff Co., Canton, Ill.
Rock Island Plow Co., Rock Island, Ill.
Whitehurst, R. W. Co., Norfolk, Va.

Plows (Shovel)

Austin-Bryan Mfg. Co., Birmingham, Ala.
Avery, B. F. & Sons (With Jumping Coulters), Louisville, Ky.
Ball, Mitchell & Co., Maysville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bement's, E. Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Blount, Henry F., Evansville, Ind.
Bradley, David Mfg. Co., Bradley, Ill.
Brinly-Hardy Co., Louisville, Ky.
Bristol & Gale Co., Chicago, Ill.
Brown, Geo. W. & Co., Galesburg, Ill.
Brown-Manley Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Burton Handle Co. (Extension Wing), Burton, O.
Case, J. I. Plow Works, Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
Clipper Plow Co., Defiance, O.
Clore's, Wm. Sons, Rising Sun, Md.
Deere & Co., Moline, Ill.
Donaldson Bros., Mount Clemens, Mich.
Drummond Plow Co. (Reversible Double Shovel), Asheville, N. C.
Dutton, E. Q. & Co., Cato, N. Y.
Eagle Mfg. Co., Kansas City, Mo.
Eddy, W. Plow Co., Greenville, N. Y.
Emerson Mfg. Co. Co., Rockford, Ill.
Empire Plow Co., Cleveland, O.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. ("New Era," "Gale," Single & Double Shovel, also Wing Shovel), Albion, Mich.
Geneva Tool Co., Geneva, O.
Gowanda Agricultural Works, Gowanda, N. Y.
Hartig-Becker Plow Co., Evansville, Ind.
Hench & Dromgold Co. (Inc), York, Pa.
Howland Mfg. Co., Pontiac, Mich.
Johnson & Smith, Austin, Minn.
Keystone Farm Machine Co., York, Pa.
Kingman Plow Co., Peoria, Ill.
Lehr Agricultural Co., Fremont, O.
Lovejoy Co., Cambridge, N. Y.
Moline Plow Co. (Single & Double), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Munnsville Plow Co., Munnsville, N. Y.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Peek, S. H., East Amonia, N. Y.
Peru Plow & Wheel Co. (Single & Double), Peru, Ill.
Reeves & Co., Columbus, Ind.
Richmond Plow Co., Richmond, Ind.
Rock Island Plow Co. (Single & Double), Rock Island, Ill.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
Schoepdin, Chas., Gardenville, N. Y.
Shumaker Bros. & Nixon, Castile, N. Y.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works Co., Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Syracuse Chilled Plow Co. (Blades & Wings of Steel), Syracuse, N. Y.
Thompson, J. & Son Mfg. Co., Beloit, Mich.
Toledo Plow Co., Toledo, O.
Vulcan Plow Co., Evansville, Ind.
White, S. E. & Bro., Norfolk, Va.

Plows (Snow)

(See also Snow Brooms & Sweepers, Steam Railway; also Street Railway Sweeping Machines)

American Locomotive Co. ("Rotary"), 30 Church, New York
Baker Mfg. Co., Fisher bldg., Chicago, Ill.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Brill, J. G. Co. (Electric & Nose & Side Board Type), 62d & Woodland av., Phila., Pa.
Bucyrus Co. (Rotary), South Milwaukee, Wis.
Consolidated Car Fender Co. ("Campbell" Snow Broom), Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York (See adv. index & branch offices, end of book)
Grothe, John J. (Electric Railway), Wolcott, Mass.
Indiana Road Machine Co. (Street R. R.), Fort Wayne, Ind.
Kalamazoo Railway Supply Co. ("Root" Scraper), Kalamazoo, Mich.
McGuire-Cummings Mfg. Co. (Street Railway), 112 N Sangamon, Chicago, Ill.
Osborn Mfg. Co. ("Mogul"), Chicago, Ill.
Russel Car & Snow Plow Co., Ridgeway, Pa.
Smith & Wallace (Electric), Woburn, Mass.
Wendell & MacDuffie, 50 Church, New York
Wilder Snow Plow & Mfg. Co. (Electric), Worcester, Mass.

Plows (Sub-Soil)

Ames Plow Co., Quincy Hall, Boston, Mass.
Avery, B. F. & Sons, Louisville, Ky.
Beach Mfg. Co., Lyons, Mich.
Blount, Henry F., Evansville, Ind.
Bradley, David Mfg. Co., Bradley, Ill.
Brinly-Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Case, J. I. Plow Works, Racine, Wis.
Deere & Co., Moline, Ill.
Farquhar, A. B. Co., Ltd., York, Pa.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co. ("Gale," Steel), Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hall, Jas. H. Plow Co., Maysville, Ky.
Moline Plow Co. (Walking), Moline, Ill.
Munnsville Plow Co., Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

Plows (Sulky, Reversible)

Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Chipper Chilled Plow Co., Elmira, N. Y.
Cutaway Harrow Co. (Disc), Higganum, Conn.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.

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Plows (Sulky, Riding or Wheel)

American Plow Co., Madison, Wis.
Avery, B. F. & Sons (Sulky, etc.), Louisville, Ky.
Bateman Mfg. Co., Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co. (Reversible Sulky), Chicopee Falls, Mass.
Bement's, E. Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Blount, Henry F. (Sulky), Evansville, Ind.
Bradley, David Mfg. Co., Bradley, Ill.
Brown, Geo. W. & Co., Galesburg, Ill.
Bucher & Gibbs Plow Co., Canton, O.
Case, J. I. Plow Works, Racine, Wis.
Coffeyville Implement & Mfg. Co., Coffeyville, Kan.
Collins Plow Co., Quincy, Ill.
Deere & Co., Moline, Ill.
Eagle Mfg. Co., Kansas City, Mo.
Emerson Mfg. Co. (Sulky), Rockford, Ill.
Farquhar, A. B. Co., York, Pa.
Fort Madison Plow Co., Fort Madison, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co., Albion, Mich.
Galesburg Coulter Disc Co. ("Brown"), Galesburg, Ill.
Grand-Detour Plow Co., Dixon, Ill.
Hapgood Plow Co., Alton, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Implement Mfg. Co., Davenport, Ia.
Janesville Machine Co., Janesville, Wis.
Kingman Plow Co. (Sulky, etc.), Peoria, Ill.
La Cross Plow Co., La Crosse, Wis.
Long & Allstatter Co. (Walking or Riding Mould Board), Hamilton, O.
Lutley & Co., Peoria, Ill.
Minneapolis Plow Works, Minneapolis, Minn.
Moline Plow Co., Moline, Ill.
Monmouth Plow Co., Monmouth, Ill.
Munnsville Plow Co., Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co., Springfield, Ill.
Robinson Chilled Plow Co., Canandaigua, N. Y.
Rockford Mfg. Co. ("Farm King," "Rockford," "Rockford, Jr.," "Rockford King"), Rockford, Ill.
Rock Island Plow Co., Rock Island, Ill.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
South Bend Chilled Plow Co., South Bend, Ind.
Sparta Plow Works, Sparta, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Toledo Plow Co., Toledo, O.
Vulcan Plow Co. (Sulky), Evansville, Ind.
Ward Plow Co., Batavia, N. Y.

Plows (Swivel, Reversible & Hillside)

Jones Plow Co. (Swivel and Hillside), Quincy Hall, Boston, Mass.
Avery, B. F. & Sons, Louisville, Ky.
Hill, Mitchell & Co. (Hillside), Maysville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bissell, T. M. Plow Co. (Hillside), Eaton Rapids, Mich.
Bonfiny-Hardey Co. (Hillside), Louisville, Ky.
Bucher & Gibbs Plow Co. (Hillside & Reversible), Canton, O.
Columbia Plow Works, Copake Iron Works, N.Y.
Crowley, W. A. & Son (Reversible), Stamford, N. Y.
Deere & Co., Moline, Ill.
Ely, W. Plow Co. (Hillside & Swivel), Greenwich, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y.
Hill, Jas. H. Plow Co. (Hillside), Maysville, Ky.
Hench & Dromgold Co., Inc. (Hillside), York, Pa.
Holroy Plow Co. (Hillside & Flatland), Leroy, N. Y.
Moline Plow Co., Moline, Ill.
Munnsville Plow Co., Munnsville, N. Y.
Oliver Chilled Plow Co. (Hillside), South Bend, Ind.
Parlin & Orendorff Co., Canton, Ill.
Robinson Chilled Plow Co. (Hillside & Reversible), Canandaigua, N. Y.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co. (Reversible, Hillside, etc.), South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thomas Plow Co. (Hillside), Evansville, Ind.
Ward Plow Co. (Hillside), Batavia, N. Y.

Plows (Wheel Walking)

Adams Co., Collinsville, Conn.
Deere & Co., Moline, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Pittsburgh Mfg. Co., Tatamy, Pa.

Plugs (Automatic Boat)

Lane & DeGroot Co., 17 Battery pl., New York

Plugs (Bath & Basin)

Central Brass Mfg. Co. ("Cleveland"), 6203 Cedar av, Cleveland, O.
Climax Specialty Co. ("Climax"), Elmira, N. Y.
Crescent Mfg. Co., Scottdale, Pa.
Detroit Sanitary Supply Co., Detroit, Mich.
Empire Brass Mfg. Co. ("Empire"), Lake av nr Edgewater Park, N. W., Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., Fulton & Halstead, Chicago, Ill.
Fries & Co., 89 Main, Buffalo, N. Y.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 4917 Superior av, N E, Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Philadelphia, Pa.
Humphreys Mfg. Co., Mansfield, O.
Jenkins Mfg. Co. ("Rex"), 20 Vesey, New York
McCambridge & Co., 1423 Walnut, Philadelphia, Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Iowa
Mechanical Rubber Co. ("Monarch"), 230 Randolph, Chicago, Ill.
Mueller, H. Mfg. Co., Decatur, Ill.
Mulconroy Co., Inc., 722 Arch, Philadelphia, Pa.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Murphy Specialty Co. ("Murphy"), Milwaukee, Wis.
Park & McKay Co., Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Perkes, Chas. (Est. of), 627 Arch, Philadelphia, Pa.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Stebbins, E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 45 Fulton, Chicago, Ill.
Thomas Brass & Iron Co., Waukegan, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Waterbury Mfg. Co., Waterbury, Conn.
Weir & Craig Mfg. Co. ("W. & C. Mfg. Co."), 2421 Wallace, Chicago, Ill.
Wise, J. B., Watertown, N. Y.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Plugs (Boiler Flue)

Dame & Townsend Co., Cliff & Fulton, New York
DONEGAN & SWIFT ("Swifts"), 6 Murray, New York. (See adv. index, end of book)
Webb, Elisha & Son ("Handy"), 43 S Water, Phila., Pa.

Plugs (Brass)

American Injector Co., Detroit, Mich.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crescent Machine Co. (Radiator), 1152 Trumbull av, Detroit, Mich.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av., Detroit, Mich. (See adv. index, end of book)
NATIONAL-ACME MFG. CO., 7500 Stanton av., S. E., Cleveland, O. (See adv. index & branch offices, end of book)
National Tube Co. (also Cast Iron), Pittsburg, Pa.
Sanitary Co. (Wash Tray, etc.), Cleveland, Ohio
Trenton Brass & Machine Co. ("Trenton" Wash Tray), Trenton, N. J.
Williams, D. T., Valve Co., 410 E. 8th, Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.

Plugs (Conduit Sealing)

Phila. Electrical & Mfg. Co., 1234 N 31st., Phila., Pa.

Plugs (Expansion)

Yonkers Specialty Co. ("Metropolitan," Creosoted Wooden for Making Attachments to Walls), Yonkers, N. Y.

Plugs (Flush & Receptacle)

Adams, F. Electric Co., St. Louis, Mo.
Bryant Elec. Co. ("Chapman"), Bridgeport, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Claney, J. R., Syracuse, N. Y.
Cutter Electrical & Mfg. Co., 19th & Hamilton, Phila., Pa.
Dale Co., 9th av & 13th, New York
Electric Service Supplies Co., 1020 Filbert Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
HART MFG. CO. ("Diamond H"), Hartford, Conn. (See adv. index, end of book)
Hart & Hegeman ("H. & H."), Hartford, Conn.
Hatzel & Buehler ("H. & B."), 571 5th av, New York
Hubbell, Harvey (Inc.), Bridgeport, Conn.
Irish, W. F. Elec. Co. ("Shamrock," Floor), 60 Cortlandt, New York
Loeffelbols & Co. ("Gibbs," for Cars), Milwaukee, Wis.
Machen & Meyer Electrical Mfg. Co. ("M. & M."), 12th & Buttonwood, Phila., Pa.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Marshall Electric Co. ("Midget"), Boston, Mass.
Novelty Electric Co. (Fibre), 50 N 4th, Phila., Pa.
Pringle Electrical Mfg. Co. ("New Style"), 1906 N 6th, Phila., Pa.
Russell & Stoll Co., 48 Cliff, New York
Stanley & Patterson ("Simplex"), 23 Murray, New York
Trumbull Electric Mfg. Co., Plainville, Conn.

Plugs (Fusible)

American Injector Co., Detroit, Mich.
Ashcroft Mfg. Co., 85 Liberty, New York
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Darling Pump & Mfg. Co., Williamsport, Pa.
Duluth Brass Works, West Duluth, Minn.
Farnan Brass Works, Cleveland, O.
Fewlass-Leen Brass & Iron Co., Cincinnati, O.
General Fire Extinguisher Co., Providence, R. I.
Glasgow Iron Works & Supply Co. ("Phillips"), 28 West, New York
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hills-McCanna Co., 128 E Kinzie, Chicago, Ill.
Hoffman, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Illinois Malleable Iron Co., 30 W Monroe, Chicago, Ill.
Kelly & Jones Co., Pittsburg, Pa.
Luce, Chas. T., Co. ("Robinson Standard"), 160 Congress, Boston, Mass.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
National Supply Co., Toledo, O.
Ohio Injector Co., Wadsworth, O.
Perkes, Charles (Est. of), 627 Arch, Phila., Pa.
Pittsburg Valve, Foundry & Construction Co., 26th & A. V. R'y, Pittsburg, Pa.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works, Spring Grove & Garrard avs, Cincinnati, O.
Star Brass Mfg. Co., 108 E Dedham, Boston, Mass.
Thomas Brass & Iron Co., Waukegan, Ill.
Walworth Mfg. Co. ("Cole's" Fusible Boiler), Boston, Mass.

Plugs (Locomotive Steam Chest)

Snyder Railway Specialty Co. ("Snyder" Automatic), Pittsburg, Pa.

Plugs (Ordinary Attachment)

Benjamin Electric Mfg. Co. ("Wizard"), 40 W Jackson boul, Chicago, Ill.
Bryant Electric Co., Bridgeport, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Electric Goods Mfg. Co. ("Howes"), Boston, Mass.
Freeman, E. H. Electric Co., Trenton, N. J.
Hubbell, Harvey (Inc.), Bridgeport, Conn.

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Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Marshall Electric Co. ("M-S"), Boston, Mass.
Mercer Electric Mfg. Co., Trenton, N. J.
Paiste, H. T. Co. ("Pushin"), 32d & Arch, Phila., Pa.
Pass & Seymour, Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Stanley & Patterson ("New Code"), 23 Murray, New York
Tregoning Electric Mfg. Co., Cleveland, O.

Plugs (Paper Mill)

Peters', Jno. M. Sons (Wood), Bleecker, New York

Plugs (Smoke Testing)

Kemp, C. M. Mfg. Co. ("Climax," "Desper"), 401 E. Oliver, Baltimore, Md.

Plugs (Soil Pipe Testing)

Clark Bros. ("Acme"), 218 S. 12th, Phila., Pa.
Desper, H. A., Worcester, Mass.
Drummond, M. J. & Co., 182 B'way, New York
Illinois Malleable Iron Co., 515 Diversey boul., Chicago, Ill.
Kemp, C. M., Mfg. Co. ("Climax," "Desper"), 401 E. Oliver, Baltimore, Md.
N. J. Plumbing Specialties Co. ("Duplex," "Simplex"), Hoboken, N. J.
Smith, E. L., & Co. ("Cooper"), 195 Fort Hill s., Boston, Mass.

Plugs (Spark)

American Coil Co. (Double Insulated Mica Cored), Foxboro, Mass.
American Machine Mfg. Co. ("Perfection"), South Braintree, Mass
Anderson Spark Plug Co., 100 Boylston, Boston, Mass.
Anderson, J. C. Mfg. Co., Jersey City, N. J.
Arc-Toledo Spark Plug, 140 Michigan, Toledo, O.
Atlantic Electrical Co., Amesbury, Mass.
Automobile Equipment Co. (The), 260 Jefferson av, Detroit, Mich.
Automobile Supply Co., Mich. bldg, Chicago, Ill.
Auto & Power Appliance Co., Cleveland, O.
Barber, A. S., Brooklyn, N. Y.
Bosch Magneto Co. ("Bosch"), 160 W 56th, New York
Bradley, C. E. Motor Co., 268 Diamond, Phila., Pa.
Brennan Mfg. Co., Syracuse, N. Y.
Byrne-Kingston Co. ("Kingston"), Kokomo, Ind.
Canton Automobile Supply Co. ("Kankaroo"), Canton, O.
Champion, Albert Co. ("Nieuport," Imported), 541 Tremont, Boston, Mass.
Cleveland Spark Plug Co., Cleveland, O.
Columbus Screw & Machine Co., 244 Kaiser, Columbus, O.
Dayton Electrical Mfg. Co. ("Apple" & "Climax"), Dayton, O.
DELTA MFG. CO., Bloomfield, N. J.
De Lux Mfg. Co., 1515 Seneca, Buffalo, N. Y.
Diamond Porcelain Co. (Porcelain), Trenton, N. J.
Doherty, H. B., Binghamton, N. Y.
Dow Portable Electric Co., Braintree, Mass.
Duplex Ignition Co. (Inc.), ("Duplex"), 307 36th, New York
Elbridge Electrical Mfg. Co. ("Elbridge"), Elbridge, N. Y.
Electric & Auto Co. ("Orswell"), Amesbury, Mass.
Etna Electric Works (Mica), 145 E. 23d, New York
Fischer Ignition Co., Cincinnati, O.
Geer, Harry R., Co., 1017 Pine, St. Louis, Mo.
Gerson-Carey Co., Lansing, Mich.
Grant Mfg. & Mach. Co. ("Empire"), Bridgeport, Conn.
Hamblin El. Co., 25 Calendar, Providence, R. I.
Hardy, R. E. Co. ("Sta-Rite"), ("Gotham"), 25 W 42d, New York
Hartford Machine Screw Co. (Automobile), Hartford, Conn.
Hers & Co., 208 Lafayette, New York
Hubbell, Harvey (Inc.), Bridgeport, Conn.
Igniter Appliance Co., Cleveland, O.
Jacobson-Brandew Co., Pittsfield, Mass.
Jeffrey-De Witt Co., "Reliance" Spark in Water, Newark
Kent Spark Plug Co. ("Kent" Automatic), Brooklyn, N. Y.
Lavalette, Henri D. ("Eisemann" & "Lavalette"), 112 W 42d, New York
Lipman Mfg. Co., Beloit, Wis.
McCanna Mfg. Co., 56 N Jefferson, Chicago, Ill.
McCord & Co. ("McCord"), Colony bldg, Chicago, Ill.
Mayo Damper Co., Pottstown, Pa.
Merkel Motor Co., Milwaukee, Wis.
Mezger, C. A., 1759 B'way, New York
Miller, Chas. E., 101 Beade, New York
Miller Mfg. Co., Peekskill, N. Y.
Moeller, A. R. & Co. (Inc.) ("Spit-Fire"), 163 W 29th, New York
Never-Miss Spark Plug, Lansing, Mich.
Oakes & Dow Co. ("Comet"), 15 Chardon, Boston, Mass.
Orswell Igniter Co., 95 Milk, Boston, Mass.
Pittsfield Spark Coil Co. ("Jewell" Mica), Dalton, Mass.
Post & Lester Co. ("E. I. C."), Hartford, Conn.
Rajah Auto Supply Co., Bloomfield, N. J.
Roche, William, Jersey City, N. J.
Rubay, Leon Auto Ignition Supply Co., 229 W 54th, New York
Schug Electric Mfg. Co., Detroit, Mich.
Seidler-Miner Electric Co., 205 Jefferson av, Detroit, Mich.
Shain, Chas. D., 70 Murray, New York
Splitdorf, C. F., 261 Walton av., New York
Springtight Terminal Co. ("New Era"), Lansing, Mich.
Taylor-Fountain Eng. Co. ("Morse"), 10 Commercial av, Newark, N. J.
Thomas, W. K., 1876 B'way, New York
Tritt Electrical Mfg. Co., South Bend, Ind.
Triumph Engineering Co., 1046 Herkimer, Brooklyn, N. Y.
Twentieth Century Mfg. Co., 19 Warren, New York
Uncas Specialty Co., Norwich, Conn.
United Electrical Mfg. Co. ("Crescent"), 1 B'way, New York
Wachman, Robert, 372 Michigan av., Detroit, Mich., ("Wachman" Sure Fire)
Western Electric Co., Chicago, Ill., & 57 Bethune, New York
Willis, E. J. Co. ("Yankee" & "H. M."), 5 Park pl, New York

Plugs (Stage & Receptacle)

Clancy, J. R., Syracuse, N. Y.
Chase-Shawmut Co. ("Cushing"), Newburyport, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Globe Electric Co., 419 W 42d, New York
Jones & Gross Electric Co., 62 Vesey, New York
Lang, J. Electric Co., 116 N Lincoln, Chicago, Ill.
Menchen, Jos. Electric Co., 360 W 50th, New York
Metropolitan Elec. Stage Lighting Co. ("Olen-in"), 123 W 40th, New York
Pennefather, J. S., 105 W 39th, New York
Russell & Stoll Co., 48 Cliff, New York
Stanley & Patterson ("Fielding," "Hubbell"), 23 Murray, New York
Superior Electric Co., 520 W 40th, New York

*Plugs (Switch)

DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshalltown, Del. (See adv. index, end of book)

Plugs (Tie)

Porter-Morse (Elm, Cedar & Oak), Saginaw, Mich.

Plugs (Wall)

(See Wall Plugs)

Plugs (Wood)

Estes, E. B. & Son, 74 Warren, New York
Michigan Bung Co., Detroit, Mich.
Peters', Jno. M. Sons, Bleecker, New York
Portland Cooperage Co., Portland, Me.
Redlich Mfg. Co. (All Kinds), 2 Oak, Chicago, Ill.
Sommers, Jno. Son, Newark, N. J.
U. S. Bung Mfg. Co., 48 S 2d, Brooklyn, N. Y.

Plugs & Patches (Tire Repair)

(See also Cement)

Cox & Spencer, Rahway, N. J.
Diamond Rubber Co., Akron, O.
Goodrich, B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Hartford Rubber Works Co., 691 Park av, Hartford, Conn.
India Rubber Co., New York
Morgan & Wright (Inc.), Detroit, Mich.
Parks, F. B., Grand Rapids, Mich.
Pneumatic Tire Plug Co., Danbury, Conn.
Tingler, Charles O. & Co., Rahway, N. J.

Plumb Bobs

BERNZ, OTTO, S 13th e S Orange av, Newark, N. J. (See adv. index, end of book)
Braunsdorf-Miller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co. ("Mercury"), Providence, R. I.
Chalfant Mfg. Co., Lancaster, Pa.
Crescent Novelty Mfg. Co. (Lead), 706 S B'way, St. Louis, Mo.
Dikeman Mfg. Co. ("Cant-Roll"), S. Norwalk, Conn.
Disston, Henry & Sons, Tacony, Phila., Pa.
Jennings, C. E. & Co., 42 Murray, New York
Keuffel & Esser Co., 127 Fulton, New York
Kupferle, Jno. C., Foundry Co., St. Louis, Mo.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
SOLTMANN, E. G (For Engineers & Architects; also Everything for Architect, Engineer & Draughting Room), 126 E 42d, New York. (See adv. index, end of book)
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York
STARRETT, L. S. CO. (Mercury Steel), Athol, Mass. (See adv. index & branch offices, end of book)
Stearns, E. C., & Co., Syracuse, N. Y.
Tower & Lyon Co. (And Trammel Points), 95 Chambers, New York
Welch, T. F. & Co., Boston, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

Plumbago

Asbury Graphite Mills (H. M. Riddle, Prop.) (Miners & Refiners), Asbury, N. J.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" for Foundry Facings, Yacht Bottom Shot Polishing, etc.), Jersey City, N. J. (See adv. index & branch offices, end of book)
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Kelly, Thos. P. & Co. (Ceylon), 544 W 23d, New York
McCormack, J. S. Co., Pittsburg, Pa.
McCullough-Dalzell Crucible Co., Pittsburg, Pa.
Metal Mfg. Co. ("Ceylon"), Land Title bldg, Phila., Pa.
Obermayer, S. Co., 647 Evans, Cincinnati, O.
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Pettinos Bros., Bethlehem, Pa.
Salomon, L. A. & Bro., 216 Pearl, New York
SMITH, J. D. FOUNDRY SUPPLY Co. (Silver or Foundry), 1846 Scranton rd, N. W., Cleveland, O. (See adv. index, end of book)
SPRINGFIELD FACING CO., Springfield, Mass. (See adv. index, end of book)
Standard Graphite Co., 11 B'way, New York
Stevens, Frederic B., Detroit, Mich.
Taunton Crucible Co. (Pure Ceylon Graphite for Stove Dealers' Use), Taunton, Mass.
United States Graphite Co., Saginaw, Mich.

*Plumbago (Electrotyping)

DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)

*Plumbago (Yacht)

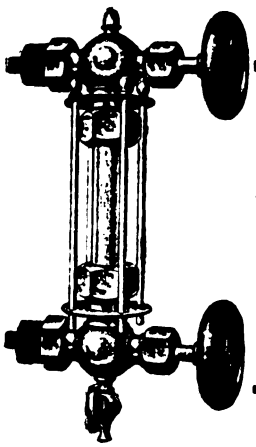
DIXON, JOS. CRUCIBLE CO., Jersey City, N. J. (See adv. index & branch offices, end of book)

Plumbers' Brackets

(See Bracket Manufacturers)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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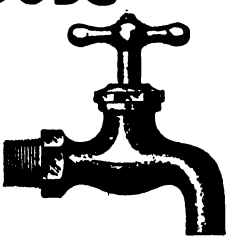
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The McRAE & ROBERTS CO., Detroit, Mich.

Plumbers' Brass Goods Mfrs.

(See the Specific Article Required)

Plumbers' Cabinet Work

(See Water Closet Seats & Tanks)

Plumbers' Charts & Estimate Books

Starbuck, E. M. & Son, Hartford, Conn.

Plumbers' Enameled Ware Mfrs.

(See Bath Tubs, Enameled Iron)

Plumbers' Hard Fibre Specialties

(See Fibre Manufacturers, Hard)

Plumbers' Marble Work

(See also Marble Interior Work)

Ahrens & Ott Mfg. Co., Louisville, Ky.
Alexander, Alex. G., 172 Larned, Detroit, Mich.
HATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d, New York. (See adv. index, end of book)
Blatz & Kerbs Stone Co., Louisville, Ky.
Bowker, Torrey & Co., 55 Chardon, Boston, Mass.
Bradbury Marble Co., 1229 S B'way, St. Louis, Mo.
Buess, Wm., 316 E 95th, New York
Burlington Marble Co., Burlington, Vt.
Butler, Phillips H. & Co., 25 Haverhill, Boston, Mass.
Cascio, S., 797-803 Lexington av., Brooklyn, N. Y.
Christa, Philip & Sons, 504 Lafayette av, Detroit, Mich.
Clow, Jas. B. & Sons, 342 Franklin, Chicago, Ill.
Crossecup, D. L., cor 23d & Chestnut, Philadelphia, Pa.
Dapprich, L. H. Co., Vanburen & Dearborn, Chicago, Ill.
Davidson Bros. Marble Co., ft of Orleans, Chicago, Ill.
Empire City Marble Co., 90 West, New York
Eschmann, B. & J., 638 1st av, New York
Evans Marble Co., Baltimore, Md.
Fisher, Robt. C. Co., E 139th & Locust av, New York
Georgia Marble Finishing Works, Canton, Ga.
Grant Marble Co., Milwaukee, Wis.
Great Western Marble Works Co., 1602 Reading Road, Cincinnati, Ohio.
Grob, German & Son, 502 W 35th, New York
Hall, Chas. E. & Co., East Cambridge, Mass.
HILGARTNER MARBLE CO. (Stockholm & Sharp), Baltimore, Md. (See adv. index, end of book)
Illinois Marble Co., Edwardsville, Ill.
Jacoby & Son Co., 2025 Market, Phila., Pa.
Jordan, Chas. H., 268 Division av, Brooklyn,
Kennesaw Marble Co., Marietta, Ga. N. Y.
Klaber, A., & Son, Long Island City, N. Y.
Krulish Marble Co., 365 Ave A, New York
Livingston, Jas., 103 E 88th, New York
Lloyd Bros. Co., Toledo, O.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
McLaury Marble Co., 103 Park av, New York
Marthens, Chester N., Marble Co., 53rd & Wallace, Chicago, Ill.
Maxwell & Dempsey, 76 Jefferson, New York
Norcross Co., 1264 Riverbed, Cleveland, O.
Northwestern Marble & Tile Co., Minneapolis, Minn.
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., St. Louis, Mo.
Rutland Florence Marble Co., Rutland, Vt.
Rutland Marble Mfg. Co., Rutland, Vt.
Shaver, Jas., Granite & Marble Co., 506 7th, Milwaukee, Wis.
Shipway, J. H. & Bro., 136th & Locust av, New York
Sickles, Geo. B. & Co., Tate, Ga.
Standard Marble Works (John M. Mueller, Jr., Prop.), 706 W Front, Cincinnati, O.
Troy Bros. & Co., 91 Haverhill, Boston, Mass.
Union Soap-Stone Co., Boston, Mass.
Van Wyck & Collins, Poughkeepsie, N. Y.
Vermont Marble Co., Proctor, Vt.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
Young, B. P. Co., Frick bldg, Pittsburg, Pa.

Plumbers' Porcelain Ware Mfrs.

(See Bath Tubs, Porcelain)

Plumbers' Rubber Goods

(See also Rubber Manufacturers)

Akron Rubber Co., Akron, O.
Alden Rubber Co., Barberton, O.
Boston Woven Hose & Rubber Co., Boston,
Canfield, H. O. Co., Bridgeport, Conn. Mass.
Central Rubber & Supply Co., 229 S Meridian, Indianapolis, Ind.
Combination Rubber & Belting Co., Bloomfield, N. J.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index & branch offices, end of book)
Elkhart Rubber Works, Elkhart, Ind.
Empire Rubber Mfg. Co., Trenton, N. J.
Goodrich, B. F. Co., Akron, O.
Grieb Rubber Co., Trenton, N. J.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York
Morgan & Wright (Inc.), Detroit, Mich.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Ogden, C. S., 676 E. 159th, New York
Peerless Rubber Mfg. Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Western Rubber Works, Goshen, Ind.

Plumbers' Sanitary Earthenware Mfrs.

Abingdon Sanitary Mfg. Co., Abingdon, Ill.
Acme Sanitary Pottery Co., Trenton, N. J.
American Sanitary Works, 320 B'way, New
Belmark Pottery Co., Trenton, N. J. York
Brian Pottery Co., Trenton, N. J.
Camden Pottery Co., Camden, N. J.
Columbia Pottery & Mfg. Co., Kokomo, Ind.
Economy Pottery Co., Trenton, N. J.
Elite Pottery Co., Trenton, N. J.
Eljer Co., Cameron, W. Va.
Fidelity Pottery Co., Trenton, N. J.
Florentine Pottery Co., Chillicothe, O.
Ford Terra Cotta & Pottery Works, Fords, N. J.
Great Western Pottery Co., Kokomo, Ind., & Tiffin, O.
Keyser Pottery Co., Keyser, W. Va.
Keystone Pottery Co., Trenton, N. J.
Maddock, John & Sons Co., Trenton, N. J.
Maddock's, Thos. Sons Co., Trenton, N. J.
Mercer Pottery Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
National Pottery Co., Evansville, Ind.
Peerless Pottery Co., Phila., Pa.
Perth Amboy Pottery Works, Perth Amboy, N. J.
Sanitary Earthenware Specialty Co. ("Sesco" Vitreous), Trenton, N. J.
Standard Sanitary Pottery Co., Elisabeth, N. J.
Trenton Fire Clay & Porcelain Co., Trenton,
Trenton Potteries Co., Trenton, N. J. N. J.
Universal Sanitary Mfg. Co. (Vitreous China Tanks, Closets, Urinals, etc.), New Castle, Pa.
Wheeling Potteries Co., Wheeling, W. Va.

Plumbers' Seamless Tubing, in Brass, Copper & Nickel Plated

American Tube Works, 20 Gold, New York
Benedict & Burnham Mfg. Co. ("Benedict"), Waterbury, Conn.

HENRY STEIN,

48 Cliff Street, NEW YORK.

"PLUMBERS BRASS WORK OF QUALITY."
STEAM BRASS WORK, VALVES, ETC.
ENAMELED BATHS, LAVATORIES, SINKS.

Write for Prices.

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Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
HUNGERFORD, U. T. BRASS & COPPER Co. (Brass & Copper Only), 497 Pearl, New York
Randolph-Clowes Co., Waterbury, Conn.
Sanitas Mfg. Co., Boston, Mass.
Waterbury Brass Co., Waterbury, Conn.

Plumbers' Slate Work

(See Slate Urinals, Slabs, Etc.; also Laundry Tubs, Slate)

Plumbers' Soil

BERNZ, OTTO, S. 13th c S. Orange ave, Newark, N. J. (See adv. index, end of book)
Climax Specialty Co., Elmira, N. Y.
Colebrook's, W. H. Sons ("Colebrook's"), Syracuse, N. Y.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Plumbers' Sundries Co. ("Tripp's O. K."), 86 Dearborn av, Chicago, Ill.

Plumbers' Soldering Coppers

(See Soldering Coppers)

Plumbers' Supplies, Jobbers

(This trade is duplicated under Steam Fitters' Supplies, Etc.)
(For the manufacturers of all kinds of Plumbing Specialties, see the Specific Article Required)

ALABAMA.

BIRMINGHAM—Colvin Mfg. Co.
Colvin Mfg. Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

ARKANSAS.

LITTLE ROCK—Crane Co. (Of Chicago, Ill.) (Est. 1855.) (See adv. index, end of book)

CALIFORNIA.

LOS ANGELES—Boynton, H. R. Co.
Busch, A. H. Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Harper & Reynolds Co.
Holbrook, Merrill & Stetson (of San Francisco)
Montague, W. W. & Co. (of San Francisco)
Tay, Geo. H. Co.
OAKLAND—Burns & Howard Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Kinney, R. W. Co.
SACRAMENTO—Miller-Enwright Co.
SAN DIEGO—Western Metal Supply Co.
SAN FRANCISCO—California Plumbing Supply Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Dalziel-Moller Co., 559 Mission
Haines, Jones & Cadbury Co. (of Phila., Pa.), 848 Bryant
Holbrook, Merrill & Stetson, 17th & Wood
Kinney, R. W. Co., 584 Howard
Lally Co., 1st & Folsom
Montague, W. W. Co., 307 Market
Tay, Geo. H. Co., 617 Mission

COLORADO.

DENVER—Atkins-McGee Supply Co.
O'Fallon, M. J. Supply Co., 1518 Wynkoop
Wolff, L. Mfg. Co. (of Chicago), 1533 Blake

CONNECTICUT.

BRIDGEPORT—Bridgep't Plumbing Supply Co.
HARTFORD—Plimpton & Hills Corporation
NEW HAVEN—Mersick, C. S. & Co.
Peck Bros. & Co.

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Speakman Supply & Pipe Co.

DISTRICT OF COLUMBIA.

WASHINGTON—McCubbin, C. J., Co., 423 10th, N W
Mitchell, John, Jr., 1000 Pa av. N W
Schafer, E. G., & Co., 424 11th, N W
McCamerville, Thos. Co., 316 13th, N W
McCo.
Mayo &

FLORIDA.

JACKSONVILLE—Hubbard, S. B. Co.

GEORGIA.

ATLANTA—Crane Co. (Of Chicago, Ill.) (Est. 1855.) (See adv. index, end of book)
General Supply Co.
Lowry Co.
SAVANNAH—Haines, Jones & Cadbury Co. (of McKenna, J. H. Phila., Pa.)

HAWAII.

HONOLULU—Honolulu Iron Works

ILLINOIS.

CHICAGO—Cameron-Schroth-Cameron Co., 189 Michigan
Clow, Jas. B. & Sons, 344 Franklin
Crane Co. (Est. 1855), 519 S Canal. (See adv. index, end of book)
Davies Supply Co., 20 N Clark
Deschauer, Stephen, 334 Blue Island av
Federal-Huber Co., Halsted & Fulton
Geary, Andrew J., 9275 S Chicago, av
Henlon & Hubbell, 61 N Jefferson
Illinois Malleable Iron Co., 515 Diversey
Kellogg-Mackay Co., 19 W 18th boul
National Plumbing & Heating Supply Co., 5748 State
Quinn Supply Co., 120 Southwestern av
Republic Mfg. Co., 123 W Washington
Weil Bros., 133 W Lake
Weir & Craig Mfg. Co., 2439 Wallace
Western Plumbing Supply Co., 20 S Desplaines
Whitney & Ford, 4315 Cottage Grove av
Wolff, L. Mfg. Co., 117 W Lake
PEORIA—Kinsey & Mahler Co.
Nallon Bros. Co.
ROCKFORD—Rockford Brass Works

INDIANA.

ANDERSON—May Supply Co.
FORT WAYNE—P. & H. Supply Co.
INDIANAPOLIS—Central Supply Co., 209 W Washington
Indiana Supply Co., 41 N Capital av
Knight & Jillson Co.
MUNCIE—Kelser, Geo. & Co.
Knight & Jillson Co.
TERRE HAUTE—Crane Co. (Of Chicago, Ill.) (Est. 1855.) (See adv. index, end of book)
UNION CITY—Knapp Supply Co.

IOWA.

CEDAR RAPIDS—Cedar Rapids Pump Co.
Chandler Pump Co.
DAVENPORT—Midland Supply Co.
DES MOINES—Crane Co. (Of Chicago, Ill.) (Est. 1855.) (See adv. index, end of book)
Kurtz, L. H. Co.
DUBUQUE—McDonald, A. Y. & Morrison Mfg.
Morrison & Kretschmer Mfg. Co. Co.
FORT DODGE—Leighton Supply Co.
SIOUX CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

KANSAS.

WICHITA—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

KENTUCKY.

LOUISVILLE—Ahrens & Ott Mfg. Co. (Inc.)
Laib Co.
Vogel, P. A. & Son

LOUISIANA.

NEW ORLEANS—Ahrens & Ott Mfg. Co. (of Louisville, Ky.), Baronne & St. Joseph
Fairbanks Co. (of New York City), 610 Canal
Manion & Co., 622 Baronne

MAINE.

PORTLAND—Blake, W. L. & Co.
Smith & Abbott Co.

MARYLAND.

BALTIMORE—Adt, John B.
Central Metal & Sup. Co., 609 E Lombard
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Crook-Horner Co., 17 E Pratt
Cuyler & Mohler, 611 William
Krauss & Roberts, 1316 E Balto
Robertson, Jas. Mfg. Co., 14 S. Hanover
Southern Supply Co., Calvert & Saratoga

MASSACHUSETTS.

BOSTON—Barrett, Jas. Mfg. Co., 48 Pearl
Braman-Dow & Co., 245 Causeway
Brown-Wales Co., 69 Purchase
Butler, Edmund F. & Co., 76 Pearl
Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Dalton-Ingersoll Mfg. Co., 169 High
Dececo Co., 155 High.
Estabrook's, R. Sons, 204 W 1st, S. B.
Gallison, Wm. H. Co., 36 Oliver
Gilchrist, Geo. B. Co., 106 High
Hercules Iron & Supply Co., Commercial & Hanover
Hubbard, W. B. & Sons Co., 176 Oliver
Locke, Stevens & Co., 94 Warrenton
Sanitary Fixture Co., 293 Congress
Smith & Anthony Co., 48 Union
Sumner & Gerald Co., 287 Congress
Thompson-Durkee Co., 87 High
Webb, F. W. Mfg. Co., 52 Elm
Young, Jos. H., 82 High
CAMBRIDGE—Cambridge Plumbing Supply Co.
LYNN—Bourneuf, Louis, Corp'n
NEW BEDFORD—New Bedford Boiler & Machine Co.
SOMERVILLE—Ideal Supply Co.
SPRINGFIELD—Hitchcock Supply Co.
New England Plumbing Supply Co.
WORCESTER—Baker Lead Mfg. Co.
Colwell Lead Co.

MICHIGAN.

DETROIT—Detroit Lead Pipe & Sheet Lead Works
Harvey's, A. Sons Mfg. Co. (Ltd.)
Kimball-Eisenberg Co., 216 Jefferson av
Park & McKay Co., 55 Bagley av
Sales, Murray W. Co., 76 Jefferson av
VOELKNER & HARRY Manufacturing Co., 125 Woodbridge, W Detroit Mich. (See adv. index end of book)
Walker Mfg. & Supply Co., 136 W Lamed
GRAND RAPIDS—Ferguson Supply Co. (Ltd.)
Grand Rapids Supply Co.
KALAMAZOO—Quinn Supply Co.
LANSING—Michigan Supply Co.
MENOMINEE—Emerson-Corbin Supply Co.

MINNESOTA.

DULUTH—Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Duluth Plumbing Supplies Co.
MINNEAPOLIS—Central Supply Co., 313 1st
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Kellogg-Mackay Co.
National Mfg. & Supply Co.
ST. PAUL—Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Western Supply Co.

MISSOURI.

KANSAS CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Kansas City Pump Co.
Reeves Supply Co.
Southwest Plumbing Supply Co.
United States Water & Steam Supply Co.
Young, W. B. Supply Co.
ST. JOSEPH—Horigan Supply Co.
ST. LOUIS—Cahill-Swift Mfg. Co., 20 S 12th
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
National Plumbing Supply Co., 110 S 12th
Nelson, N. O. Mfg. Co., 10th & Chestnut
Rumsey, L. M. Mfg. Co., 806 N. Second
Rumsey & Sikemeier Co., 1900 Pine
SPRINGFIELD—Cooper, H., Jr.

NEBRASKA.

LINCOLN—Cooper & Cole Bros.
Western Supply Co.
OMAHA—Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
United States Supply Co.

NEW HAMPSHIRE.

MANCHESTER—Manchester Supply Co.

NEW JERSEY.

BAYONNE—Bayonne Supply Co.
CAMDEN—Fullmer, A. J.
Ronalds & Johnson Co.
EAST ORANGE—Orange Supply Co.
ELIZABETH—Elizabeth Hardware Co.
GUTTENBURG—Herrmann, F. W.
JERSEY CITY—Jersey City Supply Co.
Perkins, Arthur L., 283 Warren

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NEWARK—Crane, Moses W. & Co.
Egbert, W. V. & Co.
Gray, R., Jr.
Macknet & Doremus Co.
Newark Supply Co.
Roe & Conover
PATERSON—McNab & Harlin Mfg. Co.
TRENTON—Warren, Balderston & Co.
WEEHAWKEN—Berger, Edw. W. & Bro.

NEW YORK.

ALBANY—Hoy & Co.
BUFFALO—Case, W. A. & Son Mfg. Co., 31 Dixon & Ballou, Ellicott & Carroll Main
Hamill, D. L., 60 Delaware av
Plumbers' & Steamfitter's Supply Co., 104 Schafer & Co., 226 Ellicott Pearl
NEW ROCHELLE—Dimock & Fink Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—American Plumbing Mfg. Co., 64 Atlantic av
Burr Mfg. & Supply Co., 100 Lexington av
Clark, John F., 1150 Myrtle av
De Laney, Thos. M., 576 Atlantic av
Jacobs, Geo. P. & Co., B'way & S 9th
Knight, Thos. G. Co., 52 Myrtle av
McElraevy & Hauck Co., 440 B'way
Read, H. P. Lead Works, 32 Sanford
Ronalds & Johnson Co., 43 Boerum pl
Sackin, B., 632 B'way
Smyth-Donegan Co., 247 St Marks av
Spencer & Haviland, 174 Portland av
Waters & Miller, 5 McKibbin

Boroughs of Manhattan & Bronx.

NEW YORK—Adee, Fred Co., 44 Cliff
Beals, H. H., 51 Cliff
Behrer, Arnold & Sons, 273 Pearl
Behrer & Co., 81 Beekman
Beith & Reilly Co., 134 Lincoln av
Billo, Geo. H., 82 John
Campbell Supply Co., 570 Columbus av
Central Plumbers Supply Co., 252 Pearl
Colwell Lead Co., 109 Lafayette
CORNELL & UNDERHILL, 47 Beach. (See adv. index, end of book)
Crane Co. (of Chicago), Est 1855, 490 Cherry. (See adv. index, end of book)
Cushing, Thos. F. Co., 40 E 21st
Dimock & Fink Co., 220 E 125th
Du Bois, F. N. & Co., 243 9th av
Federal-Huber Co., 244 5th av
Glauber, Sam. S. (Inc.), 243 E 79th
Harlem Supply Co. (Inc.), 121 E 124th
Hotchkiss, Vail & Garrison Co., 149 E 35th
Hussey, W. H. & Son, 148 W 35th
Keating, F. W. Co., 446 Water
Kenney Mfg. Co., 254 4th av
Lederman, Sam'l, 562 Amsterdam av
Locke & Smith Co., 103 W 37th
McMANN & TAYLOR, 104 John. (See adv. index, end of book)
McNab & Harlin Mfg. Co., 56 John
McShane, Wm. Co., 711 6th av
Malbin, Mayer, 922 3d av
Mayor, Lane & Co. 128 White
Meyer-Sniffin Co., 11 W 36th
Mott, J. L. Iron Works, 118 5th av
Murray, Jno. A., 310 W 39th
Nason Mfg. Co., 71 Fulton
Peck Bros. & Co. (of New Haven, Conn.), 27 W 42d
Read, H. P. Lead Works, 160 E 56th
Ronalds & Johnson Co., 54 Cliff
SIMMONS, JOHN CO., 108 Centre (See adv. index, end of book)
Smolka, Edw. & Co. (Inc.), 231 E 33d
Standard Plumbing Supply Co., St. Anns av & 159th
STEIN, HENRY (Mfrs.' Agent), 48 Cliff. (See adv. index, end of book)
United Plumbers' Supply Co., 181 E 108th
Vogel, Ig., 1518 1st av
Walsh & Hartwig (Inc.), 217 E 58th

(End of New York City)

ROCHESTER—Hunting Co.
Sloan, Samuel & Co., 67 Exchange
SYRACUSE—McClure, R. C. Co.
Pierce, Butler & Pierce Mfg. Co.
TROY—Aird-Don Co.
UTICA—Millar, Chas. & Son Co.
WATERTOWN—Hunting Co.
Weekes, Jno. & Son Co.
YONKERS—Yonkers Plumbing Supply Co.

NORTH DAKOTA.

FARGO—Crane Co. (of Chicago), Est 1855. (See adv. index, end of book)

OHIO.

CANTON—Allman, W. H., Co.
CINCINNATI—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
McDonald, Jas. & Son
Merkel Bros., Canal & Jackson.
Merrie, Hugh, 124 E 8th
Murdock Mfg. & Supply Co., 426 Plum
CLEVELAND—Cleveland Plumbing Supply Co., 51 Vincent av, N E
Fisher, E. W., Co., 811 Superior av, N. E.
Kennedy Co., 1310 Huron rd., S E
Sanitary Co.
Standard Mfg. Co. (of Pittsburg, Pa.), 648 Welker Supply Co. Huron rd, S E
COLUMBUS—Ascher Supply Co.
Columbus Brass Co.
Columbus Supply Co.
Potts, B. D.
Scioto Valley Supply Co.
Westwater Supply Co.
DAYTON—Dayton Supply Co.
MANSFIELD—Humphryes Mfg. Co.
TOLEDO—American Plumbers' Supply Co.
Grosswiller, Jos. F. Supply Co.
National Supply Co.

OKLAHOMA.

OKLAHOMA CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

OREGON.

PORTLAND—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Gauld Co.
Kline, M. L.

PENNSYLVANIA.

ALTOONA—Standard Supply & Equipment Co. (See Phila., Pa.)
LANCASTER—Sheet Metal & Supply Co.
PHILADELPHIA—Berkstresser, Thos. J. Co.
Blessing, C. A., 6th & Randolph
Cooper, Wm. S. Brass Works, 437 N 12th
Crane Co. (of Chicago), Est. 1855, 22 S 5th. (See adv. index, end of book)
Fleck Bros. Co., 44 N 5th
Ford & Kendig Co., 1428 Callowhill
Froehlich Bros., 142 N 7th
Haines, Jones & Cadbury Co., 1128 Ridge av
Haynes-Thompson Co., 1705 Chestnut
Keystone Supply & Mfg. Co., 927 N 9th
McCambridge & Co. (Ltd.), 1423 Walnut
Perkes, Chas. (Est. of), 627 Arch
Rainear, C. J. & Co., 518 Arch
Ronalds & Johnson Co. (of New York), 139 N 7th
Savill, Thos. & Sons, c 11th & Wood
Shuster Foundry Co., 41 N Franklin
Standard Supply & Equipment Co. (Jobbers), 1710 Market
Walls, Owen & Stambach Co., 1041 Ridge av
PITTSBURG—Anchor Sanitary Co., 123 3d av
Bailey-Farrell Mfg. Co., 3d av & Ross
Bowman Supply & Mfg. Co., 890 Main
Duquesne Sanitary Co., 2d av. & Cherry al
Fort Pitt Supply Co., 332 2d av
Harris Pump & Supply Co., 320 2nd av
Kelly & Jones Co., 135 Water
Pittsburg Supply Co., 439 Water
Standard Mfg. Co., 949 Penn av
Standard Supply & Equipment Co., 1151 Liberty av
Union Mfg. & Supply Co., Scott pl
SCRANTON—McClure, R. C. Co.
Weeks, R. E. Co.
Wyoming Valley Supply & Mfg. Co.
WILKES-BARRE—Pennsylvania Supply Co.
Wyoming Valley Supply & Mfg. Co.
YORK—Small, P. A. & S. Co.

RHODE ISLAND.

PROVIDENCE—Peck, Benj. T.
Phillips Lead & Supply Co.
Providence Plumbing Supply Co.
Tillinghast, L. H. Supply Co.

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
Cameron & Barkley Co.

SOUTH DAKOTA.

WATERTOWN—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

TENNESSEE.

CHATTANOOGA—Fritts, Tom, Hardware Co.
James Supply Co.
KNOXVILLE—Southern Brass & Iron Co.
MEMPHIS—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
NASHVILLE—Nashville Plumbers' & Mill Supply Co.

TEXAS.

DALLAS—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
FORT WORTH—Gamer Co.

UTAH.

SALT LAKE CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Nelson, Jos. Supply Co.

VERMONT.

RUTLAND—Lincoln Iron Works

VIRGINIA.

HAMPTON—Booker, H. R. & Co.
NORFOLK—Virginia-Carolina Supply Co.
RICHMOND—Bargamin, G. & A. Co.
McGraw-Yarbrough Co.
Virginia-Carolina Supply Co.

WASHINGTON.

SEATTLE—Bowles Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Hambach, A. Co.
SPOKANE—Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Holley-Mason Hdwe. Co.
Hughes & Co.
TACOMA—Crane Co. (of Chicago), Est 1855. (See adv. index, end of book)
Walsh & Gardner

WEST VIRGINIA.

WHEELING—Trimble & Lutz Supply Co.

WISCONSIN.

GREEN BAY—Murphy Supply Co.
LA CROSSE—La Crosse Plumbing Supply Co.
Roosevelt, W. A. Co.
MILWAUKEE—Dengel, F. R. Mfg. Co., 336 Hoffmann, B. Mfg. Co., 257 6th 4th
Hoffmann & Billings Mfg. Co.
Rom, Rob't Co., 1023 St. Paul av
Rundle-Spence Mfg. Co., 63 2d
Wisconsin Plumbing & Heating Supply Co.

Plumbers' Torches

(See Torches, Various Kinds)

Plumbers' Washers

(See Washers, Various Kinds)

Plumbers' Wood Work

(For jobbers of this trade see Plumbers' Supplies, Jobbers)

American Sanitary Works, 320 Broadway, New York
Ascher Supply Co., Columbus, O.
Becker Mill Co., The (Fine), Mariette, Ohio
Berglass, M. P. Plumbing Supply Co., Brooklyn, N. Y.
Buckeye Tank & Seat Co., Pittsburg, Pa.
Budde, Jos., 577 Mission, San Francisco, Cal.
Burlington Venetian Blind Co. (Water Closet Seats Only), Burlington Vt.
Burrows, Wm. Mfg. Co., Brooklyn, N. Y.
Central Closet Mfg. Co., Holland, Mich.
Century Sanitary Mfg. Co., Eastwood, N. Y.
Church, C. F. Mfg. Co., Holyoke, Mass.
Climax Sanitary Co. ("Climax" Lock Joint), Detroit, Mich.
Columbus Brass Co. (Bent Wood Seats & Simplex Tanks), Columbus, O.
Coyne & Delaney, 303 Rodney, Brooklyn, N. Y.
Day Metallic Co., Detroit, Mich.
Dewees, S. T. Mfg. Co., Chattanooga, Tenn.
Douglas, Jno. Co., 900 Poplar, Cincinnati, O.
Eclipse Mfg. Co., North Girard, Pa.
Eichman & Co., Baltimore, Md.
Emery, W. S. ("Acme"), 78 Cliff, New York
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Ferguson Supply Co., Grand Rapids, Mich.

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Pindelsen & Kropf Mfg. Co., W 21st pl c S Rockwell, Chicago, Ill.
Globe Furniture Co., Northville, Mich.
Hale & Kilburn Mfg. Co., Phila., Pa.
Heap, Wm. and Sons (Seats, Tanks, Low-down Tanks, Export English Pattern), Grand Haven, Mich.
Ideal Mfg. Co. (Seats & Tanks), 546 Franklin, Detroit, Mich.
Knott-Van Arnam Mfg. Co., Fort Wayne, Ind
Leclaire Mfg. Co., Edwardsville, Ill.
Lipp, Louis Co., Mitchaell av & B. & O. S. W. Ry., Cincinnati, O., & 104 High, Boston, Mass.
Marcellus, C. N. & Co., Chillicothe, O.
Michigan Sanitary Mfg. Co., Muskegon, Mich.
Milford Sanitary Mfg. Co., Milford, Mich.
Miller-Hubbard Mfg. Co., Sturgis, Mich.
Never-Split Seat Co., Evansville, Ind.
New York Dimension Supply Co., Evansville, Ind.
Olmstead-Thomson Co., New Britain, Conn.
Park & McKay Co., Detroit, Mich.
Peerless Tank & Seat Co., Evansville, Ind.
Pfau Mfg. Co., 536 Reading rd., Cincinnati, O.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Plumbers Cabinet Co., Cumberland, Ky.
Plumbers Novelty Mfg. Co., Plymouth, Ind.
Plumbers' Woodwork Co. ("Badger"), Algoma, Wis.
Riverside Mfg. Co., Reading, Pa.
Sanitary Mfg. Co., Hamilton, O.
Shwab Bros. Co., 42 Cliff, New York
STEIN, HENRY, 48 Cliff, New York. (See adv. index, end of book)
Swain Mfg. Co., 7th & Morris, Phila., Pa.

*Plumbing Fixtures

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Pneumatic Air Hoists

(See Pneumatic Hoists)

Pneumatic Alligator Riveters

Allen, Jno. F., 37 Gerard av, New York

Pneumatic Baby Drillers

Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.

Pneumatic Beading Hammers

Chicago Pneumatic Tool Co. ("Boyer"), Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.
Columbus Pneumatic Tool Co. ("Dunlap," Flue Beading), Columbus, Ohio
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor" Pneumatic Tool), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York (See adv. index & branch offices, end of book)
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Pneumatic Appliance Co., 149 B'way, New York
Oldham, Geo., & Son, Frankford, Phila., Pa.
Standard Railway Equipment Co., St. Louis, Mo.

*Pneumatic Belly Pounders

INGERSOLL-RAND CO., 11 Broadway, New York. (See adv. index & branch offices, end of book)

*Pneumatic Boiler Makers' Hammers

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

*Pneumatic Boiler Riveters

ALLEN, JOHN F. (Percussion & Compression), 370 Gerard av, New York. (See adv. index, end of book)

Pneumatic Bolt Nippers

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

*Pneumatic Boring Machines

HELWIG MFG. CO. ("Helwig," for Metal or Wood), St. Paul, Minn. (See adv. index, end of book)
INGERSOLL-RAND CO. (for Metal or Wood), 11 B'way, New York. (See adv. index & branch offices, end of book)

Pneumatic Breast Drills

Chicago Pneumatic Tool Co. ("Dutley"), Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co. ("Cleveland" Rotary), 6410 Hawthorne av, Cleveland, O.
Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Pneumatic Appliance Co., 149 B'way, New York

Pneumatic Casting Cleaners

(See Pneumatic Scaling Hammers)

Pneumatic Center Grinders

Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.

Pneumatic Chain Hoists

Curtis & Co., Mfg. Co., St. Louis, Mo.
Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Pneumatic Chipping & Calking Hammers

BLISS, E. W. CO., 19 Adams, Brook-lyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co. ("Boyer," "Keller"), Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
Cleveland Pneumatic Tool Co. ("New Cleveland"), 6410 Hawthorne av, Cleveland, O.
Columbus Pneumatic Tool Co. ("Dunlap"), Columbus, Ohio
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G. (For Stone), 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Pneumatic Appliance Co., 149 B'way, New York
Oldham, Geo., & Son, Frankford, Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Standard Railway Equipment Co., St. Louis, Mo.

*Pneumatic Chisel Blanks

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)

*Pneumatic Cleaning Devices

CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

Pneumatic Compression Riveters

Albree, Chester B. Iron Works ("Pittsburg"), Pittsburg, Pa.
ALLEN, JOHN F., 370 Gerard av, New York. (See adv. index, end of book)
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Hanna Engineering Works, 820 Elston av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Pittsburg Pneumatic Co., Canton, O.
Shepard Electric Crane & Hoist Co. ("Shepard"), Montour Falls, N. Y., & 18 Broadway, New York
Slocomb, F. F. & Co. ("Caskey"), Wilmington, Del.

Pneumatic Concrete Rammers

(See Pneumatic Sand Rammers)

Pneumatic Crane Motors

Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pneumatic Cranes

(See Cranes, Pneumatic)

Pneumatic Despatch Tubes

(See Pneumatic Tubes)

Pneumatic Drift Bolt Drivers

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Pneumatic Drills

Albree, Chester B. Iron Works, Allegheny, Pa.
Baker-Churchill-Lee Co ("Lee"), 907 Michigan av, Detroit, Mich.
Chicago Pneumatic Tool Co. ("Little Giant," "Boyer," "Keller"), Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
Columbus Pneumatic Tool Co. ("Dunlap"), Columbus, O.
DALLETT, THOS. H. CO., 2303 York, Phila., Pa. (See adv. index, end of book)
Dayton Pneumatic Tool Co. ("Dayton"), Dayton, O.
Empire Engine & Motor Co. ("Empire," for Metal or Wood), Orangeburg, N. Y.
HELWIG MFG. CO. ("Helwig," Reversible), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
Oldham, Geo. & Son, Frankford, Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Pneumatic Appliance Co., 149 B'way, New York
Shaw, C. H. Pneumatic Tool Co., Denver, Colo.
Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Dusters

(See Vacuum Cleaners)

*Pneumatic Emery Grinder

HELWIG MFG. CO. ("Helwig" Portable), St. Paul, Minn. (See adv. index, end of book)

Pneumatic Feather Drills

(See Pneumatic Plug Drillers)

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*Pneumatic Fire Alarms

CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

Pneumatic Flue Cutters

Alliance Machine Co. ("McGrath"), Alliance, Ohio
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Draper Mfg. Co. ("McGrath"), Port Huron, Mich.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pneumatic Flue Expanders

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Pneumatic Flue Rollers

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor" Reversible), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pneumatic Flue Welders

Alliance Machine Co. ("McGrath"), Alliance, O.
Draper Mfg. Co. ("McGrath"), Port Huron, Mich.

*Pneumatic Fog Signals

CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

Pneumatic Forges

Chicago Pneumatic Tool Co. ("Chicago"), Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co. ("Gunnell" Rivet), 6410 Hawthorne av, Cleveland, O.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of bok)

Pneumatic Forging Hammers or Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Featherstone Foundry & Machine Co. ("Kennedy"), 308 Railway Ex., Chicago, Ill.
Williams, White & Co. ("Yeakley"), Moline, Ill.

Pneumatic Foundry Rammers

(See Pneumatic Sand Rammers)

*Pneumatic Gear Hoists

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Pneumatic Granite Cutters' Tools

(See Pneumatic Stone Cutters' Tools)

*Pneumatic Hammer Drills

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 Broadway, New York. (See adv. index & branch offices, end of book)

Pneumatic Hammers

Albree Chester B. Iron Works, Allegheny, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co. ("Boyer," "Keller," Riveting), Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co., 6410 Hawthorne av, Cleveland, O.
Columbus Pneumatic Tool Co., Columbus, O.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Detroit Pneumatic Tool Co., Detroit, Mich.
HELWIG MFG. CO. ("Helwig," for Chipping, Calking & Riveting), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G. (For Stone, Granite & Marble), 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
Leyner, J. Geo. Engineering Works Co. (For Stone or Metal), Littleton, Colo.
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Oldham, Geo. & Son (For Stone, Marble & Granite), 4826 Thackawanna, Fkd., Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Pneumatic Appliance Co., 149 B'way, New York
Shaw, C. H. Pneumatic Tool Co., 35th & Wazee, Denver, Colo.
Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Hoisting Engines

(See Engines, Pneumatic)

Pneumatic Hoists

American Air Compressor Works, 26 Cortlandt, New York, & Van Brunt & Summit, Brooklyn, N. Y.
American Steam Pump Co., Battle Creek, Mich.
Baker-Churchill-Lee Co. ("Lee" Motor Hoists & Trolley & Hoists Combined), 907 Michigan av, Detroit, Mich.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Calumet Engineering Works, Harvey, Ill.
Chicago Pneumatic Tool Co. (Geared & Trolley Combined), Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS. 115 B'way, New York. (See adv. index & branch offices, end of book)
Curtis & Co., Mfg. Co. (Vertical, Horizontal Traveling, etc.), St. Louis, Mo.
Dake Engine Co. (Chain,), Grand Haven, Mich.
Detroit Engineering Works, Chene & Guion, Detroit, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
Empire Engine & Motor Co. ("Empire" Motor Chain), Orangeburg, N. Y.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Hanna Engineering Works, 820 Elston av, Chicago, Ill.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
Mason Mfg. Co., 71 Beekman, New York
NORTHERN ENGINEERING WKS., 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Q. M. S. Co., Plainfield, N. J.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
Ridgway, Craig & Son Co. (Vertical & Horizontal), Coatesville, Pa.
Rix Compressed Air & Drill Co. (Mine), 896 Mission, San Francisco, Cal.
Shepard Electric Crane & Hoist Co. ("Shepard" Pneumatic Motor), Montour Falls, N. Y.
Standard Railway Equipment Co., St. Louis, Mo.
Weir & Craig Mfg. Co., 2430 Wallace, Chicago, Ill.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
Wickes Bros., Saginaw, Mich.

Pneumatic Hose Couplings

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co. ("Chicago" Universal), Fisher bldg, Chicago, Ill.
Clark, W. J. Co. ("Quick-As-Wink"), Salem, Ohio
Cleveland Pneumatic Tool Co. ("Bowes"), 6410 Hawthorne av, Cleveland, O.
Curtis & Co. Mfg. Co. ("Curtis"), St. Louis, Mo.
DALLETT, THOS. H. CO. ("Dallett" Automatic), 2300 York, Phila., Pa. (See adv. index, end of book)
Edwards, H. D. Co. ("Joy" Automatic"), Detroit, Mich.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Moran Flexible Steam Joint Co. (All Metal Flexible, also for Steam or Liquid), Louisville, Ky.
Slocomb, F. F. & Co., Wilmington, Del.

Pneumatic Jacks

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index and branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co., General Office & Works, Harvey, Ill. (See adv. index & branch offices, end of book)

Pneumatic Jam Riveters

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Columbus Pneumatic Tool Co. ("Dunlap"), Columbus, O.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

*Pneumatic Lattice Column Riveters

ALLEN, JNO. F., 370 Gerard av, New York. (See adv. index, end of book)

Pneumatic Motors

Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.
Dake Engine Co. (Reversible), Grand Haven, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
Draper Mfg. Co. ("McGrath" for R. R. Turntables, etc.), Port Huron, Mich.
Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.
HELWIG MFG. CO. ("Helwig," Reversible, Both End & Central Spindle for Metal & Wood Boring), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Pittsburg Pneumatic Co., Canton, O.
Reliance Pneumatic Tool Co. (For Wood Boring, etc.), Channing & Franklin avs, St. Louis Mo.
Shepard Electric Crane & Hoist Co. ("Shepard" Reversible Back Geared, for Cranes, Derricks, Mills, Car Shops, etc.), Montour Falls, N. Y.
Standard Railway Equipment Co., St. Louis, Mo.

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*Pneumatic Motors & Geared Pneumatic Hoists

DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)

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—AND—
Geared Pneumatic Hoists
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

Pneumatic Painting Machines

(See also Paint Spraying Machines)

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co., 6410 Hawthorne av, Cleveland, O.

Pneumatic Pile Drivers

Chicago Pneumatic Tool Co., ("Boyer," "Keller"), Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co., 6410 Hawthorne av, Cleveland, O.

DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)

Hudson Machine & Pneumatic Tool Co., Greenwich & Bethune, New York

INGERSOLL-RAND CO. (Sheet), 11 B'way, New York. (See adv. index & branch offices, end of book)

Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.

Oldham, Geo. & Son, 4326 Thackawanna, Fkd., Phila., Pa.

Leyner, J. Geo. Engineering Works Co., Littleton, Colo.

Sullivan Machinery Co. ("Sullivan"), Railway Exchange, Chicago, Ill.

Wood, Warren, Paterson, N. J.

Pneumatic Piston Drills

Chicago Pneumatic Tool Co. ("Little Giant," "Boyer"), Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co. ("Cleveland" Four Piston), 6410 Hawthorne av, Cleveland, Ohio

Columbus Pneumatic Tool Co. ("U. & W." "Dunlap" for Drilling in Close Quarters and Heavy Reaming), Columbus, O.

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pittsburg Pneumatic Co., Canton, O.

Pneumatic Platform Hoists

Curtis & Co., Mfg. Co., St. Louis, Mo.

Pneumatic Plug Drillers

DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

INGERSOLL-RAND CO., 11 Broadway, New York. (See adv. index & branch offices, end of book)

Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.

Vermont Construction Co., Montpelier, Vt.

*Pneumatic Polishing Machinery

HARRISON SUPPLY CO., 5 & 7 Dorchester av, Extension, Boston, Mass. (See adv. index, end of book)

Pneumatic Portable Saws

Reliance Pneumatic Tool Co., Channing & Franklin avs, St. Louis, Mo.

Pneumatic Presses

Slocomb, F. F. & Co. ("Caskey"), Wilmington, Del.

Springfield Machine Tool Co. (Intensifying), Springfield, Mass.

*Pneumatic Pumping Systems

(See also Pneumatic Water Supply Systems)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)

THOMAS & SMITH (Inc.) ("Economy"), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

Pneumatic Punches

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Reliance Pneumatic Tool Co. (Combination Flange Punching & Riveting Machines), Channing & Franklin avs, St. Louis, Mo.

Slocomb, F. F. & Co. ("Caskey" Portable), Wilmington, Del.

Pneumatic Reaming & Tapping Drills

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.

Columbus Pneumatic Tool Co. ("Dunlap"), Columbus, Ohio

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Independent Pneumatic Tool Co. ("Thor" Reversible), 1307 Michigan av, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pittsburg Pneumatic Co., Canton, O.

Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Rivet Holder-On

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pittsburg Pneumatic Co., Canton, O.

*Pneumatic Rivet Sets

CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)

Pneumatic Riveters

Albree, Chester B. Iron Works ("Pittsburg"), Pittsburg, Pa.

ALLEN, JNO. F. (Percussion & Compression), 370 Gerard av, New York. (See adv. index, end of book)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Chicago Pneumatic Tool Co. ("Boyer"), Fisher bldg, Chicago, Ill.

CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York. (See adv. index & branch offices, end of book)

Cleveland Pneumatic Tool Co. ("Ajax" & "Cleveland"), Cleveland, O.

CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)

Columbus Pneumatic Tool Co. ("Dunlap" Long Stroke), Columbus, O.

Dayton Pneumatic Tool Co., Dayton, O.

Hanna Engineering Works, 820 Elston av., Chicago, Ill.

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.

Oldham, Geo., & Son, Frankford, Phila., Pa.

Pittsburg Pneumatic Co., Canton, O.

Prouty, T. C. Co. (Ltd.), Albion, Mich.

Reliance Pneumatic Tool Co. (Hydro Tank, Bridge & Girder), Channing & Franklin avs, St. Louis, Mo.

Shepard Electric Crane & Hoist Co. ("Shepard" Compression Multiple Power, etc.), Montour Falls, N. Y.

Slocomb, F. F. & Co. ("Caskey"), Wilmington, Del.

Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Rock Drills

(See also Pneumatic Plug Drillers)

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Leyner, J. Geo. Engineering Works Co. ("Leyner"), Littleton, Colo.

Shaw, C. H., Pneumatic Tool Co. ("Shaw," "Eclipse" Air Hammer), Denver, Col.

Smith, G. W. & Co. ("Victor"), Chattanooga, Tenn.

Sullivan Machinery Co. (Diamond Core), Railway Exchange, Chicago, Ill.

Wickes Bros. ("Murphy's" Little Champion), Saginaw, Mich.

Wood Drill Works, Paterson, N. J.

Pneumatic Rotary Drills

Chicago Pneumatic Tool Co. ("Phoenix," Keller," "Moffet"), Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co. ("Cleveland" Breast), 6410 Hawthorne av, Cleveland, O.

Columbus Pneumatic Tool Co. ("Columbus"), Columbus, O.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

JEFFREY MFG. CO. ("Giant" for Coal, etc.), Columbus, O. (See adv. index & branch offices, end of book)

Pittsburg Pneumatic Co., Canton, O.

Shaw, C. H. Pneumatic Tool Co., Denver, Colo.

Pneumatic Sand Rammers

Chicago Pneumatic Tool Co. ("Chicago," "Keller"), Fisher bldg, Chicago, Ill.

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pittsburg Pneumatic Co., Canton, O.

Pneumatic Scaling Hammers

(For Scaling Castings, Etc.)

Chicago Pneumatic Tool Co. ("Boyer," "Keller"), Fisher bldg, Chicago, Ill.

Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.

Columbus Pneumatic Tool Co. ("Dunlap"), Columbus, O.

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.

Pneumatic Appliance Co., 149 B'way, New York

Pneumatic Screen Shakers

Hanna Engineering Works, 820 Elston av, Chicago, Ill.

Pittsburg Pneumatic Co., Canton, O.

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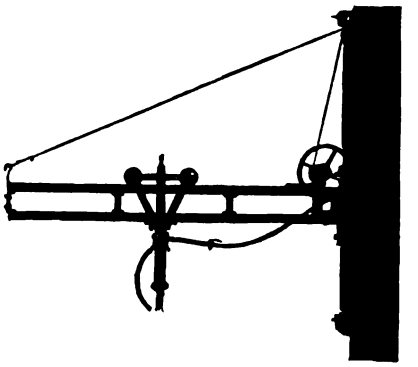
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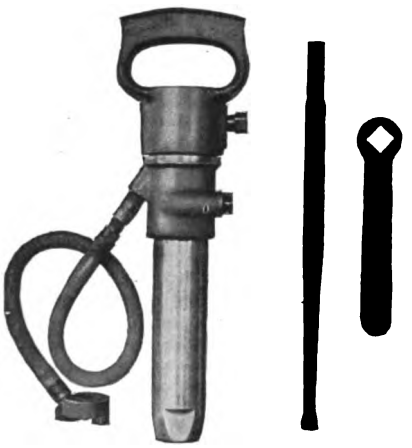
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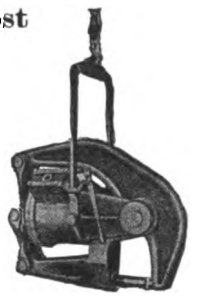
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HELWIG MFG. CO., St. Paul, Minnesota.

OUR PNEUMATIC HAMMERS

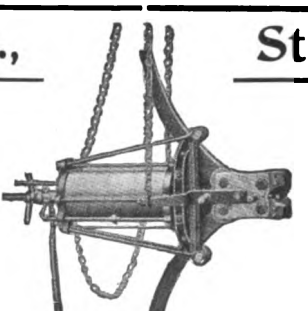


Have simple valve mechanism; faster cutting speed; you can regulate speed, also blow from lightest to heaviest. Riveters have quick, hard blow; no loose rivets; simple automatic trigger lock saves rivet sets. Handle locked. Cheapest to operate and maintain.



Bolt and Rivet Clippers

Cut close to work. Four sizes, to cut from ¾ inch to nothing.



Pneumatic Staybolt Clippers

Two sizes, to cut from 1⅛ inch staybolt and less, straight and smooth, ready for riveting; have inserted knives readily replaced at small cost; easy to operate; durable. Weight, 210 and 170 lbs.



Reversible Pneumatic Motors

(End and Central Spindle.) Drill in close quarters; have greater efficiency and durability; few parts; economical in use of air and in repairs.



Self-Feeder Flue Expander

Does away with Sectional Expander, its cost and labor to operate same, and indicates when flue is sufficiently expanded.

CATALOGUES ON REQUEST. DROP FORGING, STAMPING, PRESSING, ETC. SENT ON TRIAL.

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INDUSTRIAL INFORMATION

¶ We maintain a Bureau of Information for the free use of Architects and Engineers and all who promote the interests of this publication by either advertisement or subscription and we are prepared at all times to furnish our patrons with the most reliable information about any particular kind of material, machine, tool or specialty which they may require. :: :: :: :: ::

Hendricks' Commercial Register

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*Pneumatic Sealing Hammers

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pneumatic Staybolt Breakers

Pittsburg Pneumatic Co., Canton, O.
Reliance Pneumatic Tool Co., Channing & Franklin ave, St. Louis, Mo.
Scully Steel & Iron Co., 136 Fulton, Chicago, Ill.

Pneumatic Staybolt Clippers

(See Pneumatic Staybolt Cutters)

Pneumatic Staybolt Cutters

(See also Cutters, Staybolt)

Chicago Pneumatic Tool Co., Chicago, Ill.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Pittsburg Pneumatic Co., Canton, O.
Reliance Pneumatic Tool Co., Channing & Franklin ave, St. Louis, Mo.
Slocomb, F. F. & Co., Wilmington, Del.
Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Stone Carving Tools

BLISS, E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
Oldham, Geo., & Son, Fkd., Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Trow & Holden, Barre, Vt.
Vermont Construction Co., Montpelier, Vt.

Pneumatic Stone Cutters' Tools

Chicago Pneumatic Tool Co. ("Boyer," "Keller"), Fisher bldg, Chicago, Ill.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Oldham, Geo. & Son, Fkd., Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Trow & Holden, Barre, Vt.

*Pneumatic Stone Surfacing Machines

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co. ("Keller"), Fisher bldg, Chicago, Ill.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Oldham, Geo. & Son (Portable), 4326 Thackawanna, Fkd., Phila., Pa.
Vermont Construction Co., Montpelier, Vt.

Pneumatic Tool Lubricants

Cleveland Pneumatic Tool Co. ("Cleveland" "Never-Gum"), 6410 Hawthorne av, Cleveland, O.
Fanning, Jas. L. ("Pneulubric"), 23 S 5th, Phila., Pa
Houghton, E. F. & Co., 240 Somerset, Phila., Pa.
Zurn, O. F. Co. ("Pneuoxyum"), Broad & Lehigh, Phila., Pa.

Pneumatic Tool Lubricators

Carron, A. M. & Co. ("Pittsburg"), Pittsburg, Pa.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

*Pneumatic Tool Repairing

(Repairing of All Makes)

DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)

Pneumatic Tools

Albree, Chester B. Iron Works, Pittsburg, Pa.
Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
CLAYTON AIR COMPRESSOR W'KS, 115 B'way, New York (See adv. index & branch offices, end of book)
Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.
Columbus Pneumatic Tool Co., Columbus, O.
DALLETT, THOS. H. CO., 2300 York, Phila., Pa. (See adv. index, end of book)
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Detroit Pneumatic Tool Co., Detroit, Mich.
Empire Engine & Motor Co., Orangeburgh, N. Y.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor"), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Kotten, H. G., 32 Cortlandt (Hudson Terminal bldg), New York. Factory, Marion, N. J.
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
MANHATTAN TOOL CO., care E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
Oldham, Geo., & Son, Fkd., Phila., Pa.
Pittsburg Pneumatic Co., Canton, O.
Pneumatic Appliance Co., 149 B'way, New York
Shaw, C. H., Pneumatic Tool Co., Denver, Col.
Slocomb, F. F. & Co. (Punches and Riveters), Wilmington, Del.
Standard Railway Equipment Co. ("The Monarch"), St. Louis, Mo.

*Pneumatic Tools & Supplies

HARRISON SUPPLY CO., 5 and 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)

Pneumatic Trolley Hoists

(See Pneumatic Hoists)

Pneumatic Tubes

Electro Pneumatic Tube Co., Times bldg, New York
GRISCOM - SPENCER CO. ("Dispatch"), 90 West, New York, & ft. Washington av, Phila., Pa. (See adv. index & branch offices, end of book)
Lamson Consolidated Store Service Co., 161 Devonshire, Boston, Mass.
Miles, Geo. Co., Winsted, Conn.
Miles Pneumatic Tube Co., 1123 B'way, New York
Pneumatic Trans. Co., 1088 Ridge av, Philadelphia, Pa.
Talsey Pneumatic Service Co., Indianapolis, Ind.
Universal Pneumatic Transmission Co., 185 Adams, Chicago, Ill.

Pneumatic Tubes & Caissons for Bridge Piers

Builders' Iron Foundry, Providence, R. I.

Pneumatic Tunneling Machines

Terry & Tench Co. (Operated in Connection with Pneumatic Chipping Hammers), Lexington av, & 131st, New York

*Pneumatic Valveless Hammers

HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)

Pneumatic Water Supply Systems

(See also Pneumatic Pumping Systems)

American Pure Water Supply Co., Ashtabula, Ohio
American Water Purification Co., 10 Milk, Boston, Mass
Bennett Bros. Co. (Ideal), Lowell, Mass.
KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)
Leader Iron Works ("Leader" Hydro-Pneumatic), Decatur, Ill.
Modern Water Supply Co., Pittsburg, Pa.
National Steel Tank Co., Pekin, Ill.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
THOMAS & SMITH (Inc.) ("Economy"), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)
Woodmanse Mfg. Co., Freeport, Ill.

Pneumatic Winches

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Empire Engine & Motor Co. ("Empire"), Orangeburg, N. Y.

Pneumatic Winding Drums

Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.

Pneumatic Wood Boring Machines

Chicago Pneumatic Tool Co. ("Little Giant," "Keller"), Fisher bldg, Chicago, Ill.
Cleveland Pneumatic Tool Co. ("Cleveland"), 6410 Hawthorne av, Cleveland, O.
Empire Engine & Motor Co. ("Empire" Wood Drills), Orangeburg, N. Y.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Independent Pneumatic Tool Co. ("Thor" Reversible), 1307 Michigan av, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Pittsburg Pneumatic Co., Canton, O.
Standard Railway Equipment Co., St. Louis, Mo.

Pneumatic Yoke Riveters

Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Pittsburg Pneumatic Co., Canton, O.
Terry & Tench Co. (Inc.) ("Terry"), Lexington av & 131st, New York

Poachers (Egg)

Republic Metal Ware Co. ("Buffalo" Steam), Buffalo, N. Y.

Pocket Book & Bag Frames

Goertz, Aug., & Co., Newark, N. J.
Havell Mfg. Co., 284 Washington, Newark.
Mergott, J. E., Co., Newark, N. J.
Milwaukee Stamping Co. (Also Fittings), West Allis, Wis.
Neumann, R. Hardware Co. (Also Fittings), Newark, N. J.
Potter, E. & Co., Newark, N. J.
Strauss, Michael (Also Fittings), 395 B'way, New York

Pockets (Coal)

Hendrick Mfg. Co., Carbondale, Pa.
Howe Scale Co., of Illinois, 1315 Wabash av Chicago, Ill.

Pockets (Cotton Waste)

Knapp Mfg. Co., 20 Warren, New York

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Pockets (Draw Bar)

Illinois Bolt. Nut & Forging Co., 35th & Ashland av, Chicago, Ill.

Pointers (Bolt)

(See Machines, Bolt Pointing)

Pointers (Dowell)

Stearns, E. C. & Co., Syracuse, N. Y.

Pointers (Spoke)

Ives, W. A. Mfg. Co., 299 B'way, New York
Silver Mfg. Co., Salem, O.
Stearns, E. C. & Co. (Also Dowel), Syracuse, N. Y.
Swan, Jas. Co., Seymour, Conn.

Points (Carbon)

(See Tools, Diamond)

Points (Cultivator)

Harrow Spring Co., Kalamazoo, Mich.
Mason, F. C. & Co. (Spring Tooth, Single & Double Pointed), St. Johns, Mich.

Points (Drill)

Goodell-Pratt Co. (Plain or Fluted Shank), Greenfield, Mass.
Millers Falls Co. (for Hand Drills), 28 Warren, New York. Works, Millers Falls, Mass.

Points (Drive Well)

Baker Mfg. Co., Evansville, Wis.
Gowanda Agricultural Works, Gowanda, N. Y.
Mark Mfg. Co., Evanston, Ill.
National Tube Co. (Mfrs. of All Kinds of Well Points & Supplies), Pittsburg, Pa.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Points (Glaziers')

Atlas Tack Co., Fairhaven, Mass.
Austin & Eddy, 117 Broad, Boston, Mass.
Holland Mfg. Co., Baltimore, Md.
Hubbard & McClary, Windsor, Vt.
National Sheet Metal Co. (Zinc), Peru, Ill.
Phillips, E. & Sons, South Hanover, Mass.
Shelton Co., Shelton, Conn.
Waddell, R. J. & Co., 52 Beekman, New York

Points (Grain Drill)

Crescent Forge & Shovel Co., Havana, Ill.
Empire Plow Co., Cleveland, Ohio.
Mason, F. C., & Co., St. Johns, Mich.
Weyburn Co., Rockford, Ill.

Points (Harrow)

American Knife Co. (Reversible & Detachable), Baldwinsville, N. Y.

*Points (Lightning Rod)

UNITED WIRE & SUPPLY CO. (Brass & Copper), 109 Summer, Providence, R. I. (See adv. index, end of book)

*Points (Platinum - Iridium)

CROSELMIRE & ACKOR CO. (For Spark Coils), 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Points (Platinum Pyrographic)

CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Points (Platinum Sparking)

AMERICAN PLATINUM WORKS (For Spark Coils), Chestnut st & N. J. R. R. av, Newark, N. J. (See adv. index, end of book)
Baker & Co. (Gas & Gasoline Engines), Newark, N. J.
CROSELMIRE & ACKOR CO. (For Spark Coils), 42 Walnut, Newark, N. J. (See adv. index, end of book)

Points (Plow)

Havana Metal Wheel Co., Havana, Ill.
McMaster, R. C., Adamsville, Pa.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.
Patten & Stafford Co., Canastota, N. Y.

Points (Stone)

Stortz, John & Son, 210 Vine, Phila., Pa.

Points (Well)

(See Points, Drive Well)

Poker Chips (Hard Rubber)

Goodrich, B. T. Co., Akron, O.

Pokers (Stove)

Arcade Mfg. Co. ("Siberian" & "Serpentine"), Freeport, Ill.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Central Stamping Co., 174 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hazel Atlas Glass Co., Wheeling, W. Va.
Ireland & Matthews Mfg. Co., Detroit, Mich.

Pokes (Animal)

Osmundson Spade Mfg. Co. ("Norwegian" Steel), Perry, Ia.
Wire Goods Co., Worcester, Mass.

Pole-Crabs

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Druen, B. D., 71 Hamilton, New Haven, Conn.
English & Mersick Co., New Haven, Conn.
Woodruff, Walter W., & Sons Co., Mount Carmel, Conn.

Pole Erectors

Matthews, W. N. & Bro. ("Matthews" for Erecting Trolley & Telegraph Poles, etc.), St. Louis, Mo.

Pole Protectors

Hubbard & Co., Pittsburg, Pa.
Lanz, M. & Sons (Protection Strips), 101 S 29th, Pittsburg, Pa.

Pole Steps

American Iron & Steel Mfg. Co., Lebanon, Pa.
AMERICAN STEEL & WIRE CO. ("American"), Commercial Nat. Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Cutter, Geo. Co. (Removable), South Bend, Ind.
Grabler Mfg. Co., Cleveland, O.
Hoopes & Townsend Co., 1350 Buttonwood, Phila., Pa.
Hubbard & Co., Pittsburg, Pa.
Inland Steel Co. (Bessemer Steel), 1st Nat'l Bank bldg., Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, Matthew & Sons, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Morris, Elmer P. Co., 90 West, New York
Oliver Iron & Steel Co., Pittsburg, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Strieby & Foote Co., Newark, N. J.

Poles (Arc Lamp)

(See Poles, Iron & Steel)

Poles (Curtain)

Barrett, Chas. R. Co. ("Barrett" Flexible), 32 Union sq., New York
Berbecker & Rowland Mfg. Co. (Brass, also Trimmings), Waterville, Conn.
Judd, H. L. Co. (Wood), 87 Chambers, New York
Kroder, Jno. & Henry, Reubel Co. (Brass & Wood Poles & Trimmings), 107 E 117th, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Poles (Iron & Steel)

(For Street Railways & Electric Lights; see also Posts, Arc Lamp; for Wooden Poles, see Ties, Poles & Posts)
American Bridge Co., 30 Church, New York
Diamond Steel Pole Co., Land Title bldg, Phila., Pa.
Electric Railway Equipment Co. (Wire-Locked Swedged Joint Tubular), Cincinnati, O.
Lundin Electric & Machine Co. (Ornamental Goose Neck), Boston, Mass.
Milliken Bros., 11 B'way, New York
Mott, J. L. Iron Works (Ornamental), 118 5th av, New York
Morris, Elmer P. Co. (Plain & Ornamental), 90 West, New York
National Tube Co., Pittsburg, Pa.
Pittsburg Pole & Forge Co. (Tubular), Pittsburg, Pa.
Sciple Sectional Pole Co., Minneapolis, Minn.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Wisconsin Bridge & Iron Co., Milwaukee, Wis.

Poles (Iron & Steel Flag)

(For Wooden Poles see Ties, Poles & Posts)
American Bridge Co. of New York, 30 Church.
Blessing, Louis, Jackson, Mich. New York
Creaghead Engineering Co., 315 Walnut, Cincinnati, Ohio
Krokobola Co. ("Poe" Tower), Olney, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
National Tube Co., Frick bldg, Pittsburg, Pa.
Phoenix Steel Construction Co., Penn av & 3rd, Pittsburg, Pa.
Stover Mfg. Co., Freeport, Ill.
Wisconsin Bridge & Iron Co., Milwaukee, Wis.

Poles (Pike)

Anderson Tool & Supply Co., Detroit, Mich.
Champion Tool & Handle Works, Evart, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke, C. H. Tool Co., Downers Grove, Ill.
Evart Tool Co. (Ltd.), Evart, Mich.
Gerlach, Peter Co., Cleveland, O.
Klein, Mathias & Son (Guarded or Plain), 87 W Van Buren, Chicago, Ill.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Roberts, Geo. 1st & Liberty av, Pittsburg, Pa.
Sanford Logging Tool Co., Oshkosh, Wis.
Warren Axe & Tool Co., Warren, Pa.

Poles (Pipe, Street Railway)

National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.

Poles (Trolley)

Columbia Machine Works & Malleable Iron Co. (Made of Steel Tubing), 269 Chestnut, Brooklyn, N. Y.
Diamond Steel Pole Co., Land Title bldg, Phila., Pa.
Electric Traction Supply Co. (Cold-Drawn Seamless Steel Tubing), St. Louis, Mo.
Garford Co. (Cold-Drawn Seamless Steel Tubing), Elyria, O.
Garton, W. R. Co. (Seamless Steel Tubing), 118 W Jackson boul, Chicago, Ill.
National Tube Co., Pittsburg, Pa.
NUTTALL, R. D. CO. ("Detroit" Cold-Drawn Seamless Steel Tubing; also Butt-Welded Steel Tubular), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Ohio Brass Co., Mansfield, O.
Pittsburg Pole & Forge Co. ("Verona," Made from Seamless Steel Tubing; "Pittsburg," Made from Lap-Welded Tubing), Pittsburg, Pa.
Pittsburg Trolley Pole, Pittsburg, Pa.
Reading Iron Co., Reading, Pa.

Poles (Window Pull-Down)

Piqua Handle & Mfg. Co., Piqua, O.

Poles & Posts (Wood)

(See Ties, Poles & Posts; also Poles, Iron & Steel Trolley)

Polish (Cutlery)

Dilg Mfg. & Trading Co. ("Dilg," "Dedance" & "Acme" Plate & Steel Polish), 667 E 163rd, New York

Polish (Furniture)

(See also Metal Polish)
Bridgeport Wood Finishing Co. ("Eastons"), New Milford, Conn.
Cleanola Co. ("Cleanola," for All Varnish Surfaces), Pittsburg, Pa.
Great Western Oil Co. (Wax), Cleveland, Ohio
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Rath Mfg. Co. ("Ye-Olde-Homestead"), Bradley & Richmond, Phila., Pa.
Sonneborn, L. Sons (Inc.) ("Amalia" Oil for Piano, Furniture, Carriage Body, etc.), 302 Pearl, New York

Polish (Marble)

Eureka Polishing Powder Co., Taylorville, Ill.

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*Polishing Materials

DOGGETT, STANLEY (All Kinds), 101 Beekman, New York. (See adv. index, end of book)

*Polishing Supplies (Granite & Marble)

HARRISON SUPPLY CO., 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)

Poppers (Corn)

Chapman, C. A. ("More's"), Geneva, N. Y.
Delphos Mfg. Co. ("Delphos" Sheet Iron), Delphos, O.
Deshler Mail Box Co. ("Snow Flake"), Deshler, O.
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Middletown Mfg. Co. ("Miami"), Middletown, Ohio
Ressler, G. S. ("Star"), Lansing, Mich.
Royal Polished Steel Rooster Co. ("Troy"), Troy, O.
Utility Mfg. Co. ("Utility"), Sturgis, Mich.
Wickwire Bros., Cortland, N. Y.

Porcelain Enameling

Wheeler Reflector Co., 156 Pearl, Boston, Mass.

Porcelain Specialties (Electrical, Mechanical, Etc.)

Akron Hi-Potential Porcelain Co., Barberton, Ohio
American Carbon & Battery Co., East St. Louis, Mo.
Anderson Porcelain Co., East Liverpool, O.
Artistic Porcelain Co., Trenton, N. J.
Brunt, G. F. Porcelain Works, East Liverpool, Ohio
Cary, Edw. F. Co. (Importers), 61 Park pl, New York
Colonial Sign & Insulator Co., Akron, Ohio.
Cook Pottery Co., Trenton, N. J.
Diamond Porcelain Co., Trenton, N. J.
Electric Porcelain Co., East Liverpool, O.
Empire China Work, 150 Green, Brooklyn, N. Y.
Hartford Faience Co. (Electrical), Hartford, Conn.
Imperial Porcelain Works, Trenton, N. J.
Lima Insulator Co. (Electrical Only), Lima, New York
National Porcelain Co., Trenton, N. J.
Pass & Seymour (Electrical Only), Solvey, N. Y.
Peru Electric Mfg. Co. (Electrical Only), Peru, Ind.
Pittsburg High Voltage Insulator Co. (Porcelain Insulators, Wall Bushings, Tubing, etc.), Derry, Pa.
Star Porcelain Co., Trenton, N. J.
Thomas, E. & Sons Co., East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Works, Trenton, N.J.
Union Porcelain W'ks, 300 Eckf'd, B'klyn, N. Y.
U. S. Electric Porcelain Co., Findlay, O.
Wirt Mfg. Co., Burrage, Mass.

Porch Columns

(See Columns, Porch, Etc.)

Porch Supports

Forest City Fdry. & Mfg. Co. (Cast Iron), Cleveland, Ohio

Port Lights (Ship)

Delaware Marine Supply Mfg. Co., Wilmington, Del.
Marine Hardware Co., Peabody, Mass.
Marine Mfg. & Supply Co., 156 South, New York
Turner Brass Works, 68 Michigan, Chicago, Ill.

Portable Houses

American Steel House Co. (Steel), 796 11th av, New York
Chapman, Geo. H., St. Johns, Mich.
Ducker Co. (Iron & Wood), 277 B'way, New York
Hodgson, Ernest F., Dover, Mass.
Knapp Portable Bldg. Co., 5 E 42d, New York
Merabon & Morley Co. (Cottages, Houses, Cabins, Ranches, Depots, Baths, Hospitals, etc., Portable for all uses; also Portable Double Folding Beds, etc.), Saginaw, Mich.
Phenix Mfg. Co., Humboldt av, cor Center, Milwaukee, Wis.
Southern Foundry Co. (Steel), Owensboro, Ky.
SPRINGFIELD PORTABLE CONSTRUCTION Co. (Contractors' Offices, Real Estate Offices, Automobile Houses & Summer Cottages), 60 Waltham av, Springfield, Mass. (See adv. index, end of book)
Squires, Henry C. & Son (Houses, Cottages, Hospitals, etc., without Nail or Screw), 44 Cortlandt, New York

Portable Railways

(See Railways, Industrial & Portable)

Portables (Electric)

(See also Lights, Desk)

Acorn Shade & Reflector Co., 73 Ellen, Chicago, Ill.
American Brass & Copper Co., 138 Lafayette, New York
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Chicago Lamp & Reflector Co., 319 S Canal, Chicago, Ill.
Dale Co., 9th av & 13th, New York
Gail-Webb Mfg. Co., Buffalo, N. Y.
Goodwin & Klntz Co., Winsted, Conn.
H. O. K. Co., 30 Greenwich, New York
Hamilton Mfg. Co., Pittsburg, Pa.
Handel Co., Meriden, Conn.
McLeod, Ward & Co., 27 Thames, New York
Miller, Edw. & Co., Meriden, Conn.
Neuhauser, D. L., 242 S Water, Chicago, Ill.
Pacific Elec. Co. ("Espersen"), La Crosse, Wis.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Suess Ornamental Glass Co., 192 Washington boul, Chicago, Ill.
Tletgen, Folk & Co., 81 W Van Buren, Chicago, Ill.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Wells Light Mfg. Co. ("Wallworks"), 14 Church, New York

Post Caps & Bases

Clark, W. J. Co., Salem, O.
Goetz Box Anchor Co., New Albany, Ind.
Lanz, M. & Sons, Pittsburg, Pa.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Post Office Equipments

Waddell Woodenware Works Co. (Routing Tables, Distributing Cases, etc.), Greenfield, O.
Yale & Towne Mfg. Co., 9 Murray, New York.

Posts (Arc Lamp)

(See also Poles, Iron & Steel)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.
Cutter, Geo. Co., South Bend, Ind.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Electric Railway Equipment Co., 1988 W 8th, Cincinnati, O.
Illinois Malleable Iron Co., 515 Diversey av, Chicago, Ill.
Lundin Elec. & Machine Co., Boston, Mass.
Meyers, Fred'k J. Mfg. Co., Hamilton, O.
Mott, J. L. Iron Works, 118 5th av, New York
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Williams, Jno., 556 W 27th, New York

Posts (Binding)

American Pin Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Chicago Nut Co., Chicago, Ill.
Cook, H. C., Co., Ansonia, Conn.
Corbin Screw Corporation, New Britain, Conn.
Dickinson Mfg. Co., Springfield, Mass.
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Fahnestock Electric Mfg. Co. (Spring), Brooklyn, N. Y.
Foote, Pierson & Co., New York
Hartford Machine Screw Co., Hartford, Conn.
International Brass & Electric Co. (Brass, etc.), 76 Beekman, New York
Kellogg Switchboard & Supply Co., Congress & Green, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Ostrander, W. B. & Co., 23 Dey, New York
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Peru Electric Mfg. Co., Peru, Ind.
St. Louis Screw Co., St. Louis, Mo.
Springfield Machine Screw Co., Springfield, Mass.
Stanley & Patterson, 23 Murray, New York
Trumbull Electric Mfg. Co., Plainville, Conn.
United Metal Mfg. Co., 525 W 26th, New York
Waterbury Mfg. Co., Waterbury, Conn.

IF YOU ARE IN DOUBT AS TO THE ORIGINAL MANUFACTURER OF ANY MACHINE OR TOOL ON WHICH THE PATENTS HAVE EXPIRED, THAT ARE NOW BEING EXPLOITED BY MANY MAKERS, ASK HENDRICKS.

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Welch, T. F. & Co., Boston, Mass.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wire & Telephone Co. ("Houghton"), Rome, N. Y.

Posts (Arc Lamp)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.

Posts (Car Bumping)

McCord & Co. ("Gibralter"), Old Colony bldg, Chicago, Ill.
Mechanical Mfg. Co. ("Ellis"), Union Stock Yards, Chicago, Ill.
National Railway Materials Co. ("Hercules"), 90 West, New York
Railroad Supply Co., Bedford bldg, Chicago, Ill.
Scott Mfg. Co. ("Hercules"), Racine, Wis.
Stowell Mfg. & Foundry Co. (Cast Iron), South Milwaukee, Wis.

Posts (Concrete)

Nebraska Concrete Reinforcing Co., Omaha, Neb.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Posts (Drilling)

IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Lovejoy Tool Works ("Lovejoy" Base or Double Jaw), 36 E Ohio, Chicago, Ill.

Posts (Hitching)

Barber Mfg. Co. (Painted & Bronzed), Ashtabula, O.
Belmont Iron Works, Philadelphia, Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Bloomfield Mfg. Co., Bloomfield, Ind.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Cheney, S. & Sons (Cast Iron), Manlius, N. Y.
CINCINNATI MFG. CO. (Cast Iron), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Comstock, Geo. S., Mechanicsburg, Pa.
Donaldson Bros., Mount Clemens, Mich.
Dutton, E. Q. & Co., Cato, N. Y.
Enterprise Foundry & Fence Co., Indianapolis, Ind.
Gale Mfg. Co., Albion, Mich.
Glen Mfg. Co. (Wrought Steel), Ellwood City, Pa.
Gowanda Agricultural Works Co. (Cast Iron), Gowanda, Pa.
Hardware & Woodenware Mfg. Co., 693 Broadway, New York
Hayes Pump & Planter Co. (Ornamental Cast Iron), Galva, Ill.
Illinois Iron & Bolt Co., Carpentersville, Ill.
International Steel Post Co., St. Louis, Mo.
Kokomo Fence Machine Co., Kokomo, Ind.
Lyon Iron Works, Greene, N. Y.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end Mack Iron Works Co., Sandusky, O. of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Novelty Iron Works, Sterling, Ill.
Peter, F. N. & Bro., Newside, Pa.
PFAFF & KENDALL (Iron), Ferry & Foundry, Newark, N. J. (See adv. index, end of book)
Seneca Mfg. Co. (Iron), Buffalo, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smith Mfg. Co., Waynesboro, Pa.
Stover Mfg. Co., Freeport, Ill.
Swett, A. L. Iron Works, Medina, N. Y.
VAN DORN IRON WORKS CO., 2685 N 79th, Cleveland, O. (See adv. index, end of book)
Weller Hardware & Foundry Co. (Cast Iron), Horseheads, N. Y.

Posts (Indicator)

Bourbon Copper & Brass Works, 618 Front, Cincinnati, O.
Eddy Valve Co., Waterford, N. Y.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Posts (Iron Railing)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Taylor & Co., cor Morgan & Norman avs., Brooklyn, N. Y.

Posts (Iron & Steel)

Acme Fence & Foundry Co., New Albany, Ind.
Adams, W. J. (Steel), Joliet, Ill.
American Cable Fence Co., Pekin, Ill.
Amos, Chas. & Co., 94 W Larned, Detroit, Mich.
ANCHOR POST IRON WORKS, 147 Nassau, New York, N. Y. (See adv. index, end of book)
Avery Stamping Co. ("Never-Break"), Cleveland, O.
Bayley, Wm. Co., Springfield, O.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Bloomfield Mfg. Co., Bloomfield, Ind.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Bond Steel Post Co. (Steel Fence), Adrian, Mich.
Childers & Harker (Iron), Carbondale, Ill.
Common Sense Fence Co., Homer, Mich.
Cornell, J. B. & J. M. Co., 26th & 11th av., New York
De Kalb Fence Co., De Kalb, Ill.
Downs, J. H. ("Standard" Steel Fence), 299 Broadway, New York
Dwiggins Wire Fence Co., Anderson, Ind.
Enterprise Foundry & Fence Co., Indianapolis, Ind.
Harmon & Cookston (Steel), Rosewood, O.
Illinois Fence Machine Co. (Steel), Leroy, Ill.
International Steel Post Co., 719 Chestnut, St. Louis, Mo.
Kokomo Fence Machine Co., Kokomo, Ind.
Mack Iron Works Co., Sandusky, O.
Milwaukee Steel Post Co. (Portable Steel Clothes Posts), Milwaukee, Wis.
Missouri Anchor Fence Co., St. Joseph, Mo.
Myers, Chas. H. & Co. (Steel), Leroy, Ill.
Ornamental Iron & Wire Co. (Inc.), Portsmouth, Va.
Peter, F. N. & Bro., Newside, Pa.
Railroad Supply Co. (Steel for Railway Fences), Bedford bldg, Chicago, Ill.
Republic Iron & Steel Co., Pittsburg, Pa.
Schwab, R. J. & Sons Co., Milwaukee, Wis.
Seneca Mfg. Co. (Fence, Veranda, etc.). 2213 Seneca, Buffalo, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)

Posts (Lamp)

Belmont Iron Works, 2215 Wash'n av, Phila., Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa., & 149 B'way, New York
Casey-Hedges Co. (Electric & Gaslight), Chattanooga, Tenn.
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Cornell, J. B. & J. M. Co., 26th & 11th av., New York
Creswell, S. J. Iron Works, 23d & Cherry, Philadelphia, Pa.
Davis & Farnum Mfg. Co., Waltham, Mass.
Davis & Thomas Co., Catasauqua, Pa.
Dearborn Foundry Co., 1525 Dearborn, Chicago, Ill.
Drummond, M. J. & Co., 182 B'way, New York
Fiske, J. W., 56 Park pl, New York
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Globe Gas Light Co., Boston, Mass.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
JACKSON, WM. H. COMPANY, 29 E 17 Union sq, New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
McMurray, Robt. & Bro., 365 Harman, Brooklyn, N.Y.
Miner, Thos. T. W., 821 Eagle av, New York
Mott, J. L. Iron Works, 118 5th av, New York
Paxton & Vierling Iron Works, Omaha, Neb.
Penna. Globe Gas Light Co., Broad & Arch, Philadelphia, Pa.
Richey, Browne & Donald, Maspet, Borough of Queens, N. Y.
Rittenhouse, C. & Sons, Norristown, Pa.
SMITH, F. P. WIRE & IRON W'KS, 100 Lake, Chicago. (See adv. index, end of book)
Smith, G. W. & F., Iron Co., Boston, Mass.
Smyser, Royer Co., York, Pa.
SNEAD & CO. IRON WORKS, ft. of Pine, Jersey City. (See adv. index, end of book)
Stacey Mfg. Co., Elmwood pl, Cincinnati, O.
Sun Vapor Street Light Co., Canton, O.
Wells Architectural Iron Co., 219-221 E 144th, New York
Westervelt, A. B. & W. T., 102 Chambers, New York
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Posts (Mooring)

Bethlehem Foundry & Machine Co. (Cast Iron), Front, South Bethlehem, Pa.

Posts (Railing, Brass)

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Western Brass Mfg. Works (For Office Railings, etc.), 21st & Rockwell, Chicago, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Posts (Railway Signal)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works Harvey, Ill.

Posts & Ties (Pit)

Pittsburg Pit Post Co., Arrott bldg., Pittsburg, Pa.

Potash

Babbitt, B. T., 64 Wash'n, New York
Billings, Clapp & Co., Boston, Mass.
Bower, Henry Chemical Mfg. Co. (Yellow Prussiate of Potash), 29th & Gray's Ferry rd, Phila., Pa.
Brower, Jno. & Co., 16 Water, New York
Harshaw, Fuller & Goodwin Co. (Bichromate & Cyanide), Cleveland, O
Hirsh, Leon & Son (Pearl Ash), 363 G'wich, New York
International Chemical Co., Camden, N. J.
Jones, Enos F. Chemical Co. (Pearl Ash), 51 Jay, New York
Mallinckrodt Chemical Works (Caustic), St. Louis, Mo.
Mechling Bros. Mfg. Co. (Granulated Caustic), Phila., Pa.
New York Chemical Works, 261 Greenwich, New York
North American Chemical Co., Bay City, Mich.
Penna. Salt Mfg. Co., Phila., Pa.
Powers-Weightman-Rosengarten Co., Phila., Pa.
Roberts Chemical Co., Niagara Falls, N. Y.
Roessler & Hasslacher Chemical Co. (Prussiate, Carbonate, Caustic, Chlorate, etc.), 100 Williams, New York
Solvay Process Co. (Caustic), Syracuse, N. Y.
Talcott, C. H. & Co. (Rock, First Sorts), Hartford, Conn.
Thomsen Chemical Co., Baltimore, Md.
Wiarda, Jno. & Co. (Carbonate, Cyanide, Caustic & First Sorts), Brooklyn, N. Y.

Potato Coverers & Hillers

Allen, S. L. & Co. ("Planet, Jr."), 1017 Market, Phila., Pa.
Caledonia Bean Harvester Works, Caledonia.
Champion Drill Co., Avon, N. Y.
Champlain Agricultural Works ("Palmer" Hoe & Coverer), Champlain, N. Y.
Dorsch, John & Sons (Combination Hiller & Digger), Milwaukee, Wis.
Doughten, H. W. ("Darnell's" Furrower & Coverer), Moorestown, N. J.
Eddy, W. Plow Co. (Coverer), Greenwich, N. Y.
Empire Plow Co., Cleveland, O.
Everts & Andrews (Hiller), Meridian, N. Y.
Hirsch Bros. (Hillers), Milwaukee, Wis.
Hussey Plow Co., N Berwick, Me.
Le Roy Plow Co., Le Roy, N. Y.
Munnsville Plow Co., Munnsville, N. Y.

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New York Agricultural Co., Boonton, N. J., & 51 Cliff, New York
Northwestern Steel & Iron Works, Eau Claire, Wis.
Nowviock, J. H. & Sons (Coverer & Digger), Bloomsburg, Pa.
Rowell, I. B. & Co. (Hillers), Menomonee Falls, Wis.
Sweet, Geo. Mfg. Co. (Hiller), Dansville, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Yorks, W. R., Honeoye Falls, N. Y.

Potato Smashers

Erie Specialty Co., Erie, Pa.

Potentiometers

Leeds & Northrup Co., 4901 Stenton av, Gtn, Phila., Pa.

Potheads & Sleeves

Bissell, F. Co. ("Novelty"), Toledo, O.
OKONITE CO. ("Candee"), 253 B'way, New York. (See adv. index, end of book)

Pots (Annealing)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
MacKenzie's Duncan & Sons Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Phila. Roll & Machine Co., Phila., Pa.
STRONG, CARLISLE & HAMMOND CO., 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Pots (Asphalt & Mastic)

Evans, F. H., 596 Kent av, Brooklyn, N. Y.

Pots (Chemical)

Bethlehem Foundry & Machine Co. (Cast Iron), Front, South Bethlehem, Pa.
Caroline Iron Works (Cast Iron Nitre Pots), 723 S Caroline, Baltimore, Md.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Moore, Sam'l L. & Sons Corp'n, Elizabeth, N. J.

Pots (Fire)

(See also Furnaces Gasoline Blow)

Barthel Blow Lamp Co. ("Barthel"), Boston, Mass.
Berger Bros. Co., 237 Arch, Phila., Pa.
Best Light Co., Canton, O.
Canedy-Otto Mfg. Co. ("Royal" Needs No Clay), Chicago Heights, Ill.
Clayton & Lambert Mfg. Co. (Gasoline), Detroit, Mich.
Detroit Heating & Lighting Co., Detroit, Mich.
Fulton Iron Works, Detroit, Mich.
Globe Brass Works, Detroit, Mich.
Haines, Jones & Cadbury Co., Phila., Pa.
Hull, J. S. Mfg. Co. ("Hull" Patent for Canners, etc.), Baltimore, Md.
Kemp, C. M. Mfg. Co. ("Climax," Gas), 401 E Oliver, Baltimore, Md.
Phillips & Harmon ("Warrior" Gasoline), Northville, Mich.
Schneider & Trenkamp Co. (Works), Cleveland, O.
Turner Brass Works, Sycamore, Ill.
Wotherspoon, Jas. R. (Tinsmiths), 238 N. Front, Phila., Pa.

Pots (Galvanizing)

(See Kettles, Galvanizing)

Pots (Glass Melting)

(See Glass House Clay Supplies)

*Pots (Glue)

(See also Heaters, Glue)

BECK, CHAS. PAPER CO. (LTD), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y., & 80 Church, New York. (See adv. index & branch offices, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)
WESTINGHOUSE ELECTRIC & MFG. Co. (Electric), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pots (Lead)

Eastwood Wire Mfg. Co., Belleville, N. J.

Pots (Marking)

Bradley, A. J. ("Bradley" Combination "Ball" Marking & Stencil), 101 Beekman, New York
Central Stamping Co., 174 Fulton, New York
Geuder & Paeschke & Frey Co. (Pieced Tin), Milwaukee, Wis.
Hanson, C. H., 44 Clark, Chicago, Ill.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pots (Melting)

American Fdry. & Mfg. Co., St. Louis, Mo.
CANTON FOUNDRY & MACHINE CO. (Cast Iron), Canton, O. (See adv. index, end of book)
Crane, W. M. Co. ("Vulcan"), 16 W 32nd, New York
Dayton Supply Co., Dayton, O.
Glenn Mfg. Co., St. Charles, Ill.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Orchard, S. J. (Gas), 49 Frankfort, New York
STRONG, CARLISLE & HAMMOND CO., 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Pots (Mixing)

Graham, Chas. Chemical Pottery Works (Stoneware), 966 Met. av., Brooklyn, N. Y.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Pots (Nitre)

Larrabee, H. C. & Co. (for Sulphur or Pyrites), Baltimore, Md.

*Pots (Paste)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

*Pots (Salinometer)

NATIONAL GAUGE CO., 168 8th, Brook-lyn, N. Y. (See adv. index, end of book)

Pots (Slag)

Eastwood Wire Mfg. Co., Belleville, N. J.
Power & Mining Machinery Co., Cudahy, Wis.

Pots (Solder)

American Electrical Heater Co. (Electric), Detroit, Mich.
American Fdry. & Mfg. Co., St. Louis, Mo.
BERNZ, OTTO, 13th & S. Orange av, Newark, N. J. (See adv. index, end of book)
CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. index, end of book)
Glenn Mfg. Co., St. Charles, Ill.
Griswold Mfg. Co. (Solder Pots), Erie, Pa.
Johnson, Wm. Hedenberg Works, Newark, N. J.
Jones Hollow Wool Co., Baltimore, Md.
Kupferle, Jno. C. Fdry. Co., St. Louis, Mo.
Modern Iron Works, Quincy, Ill.
Mott, J. L. Iron Works, 118 5th av, New York
Osborne, C. S. & Co., Harrison, N. J.
Phillips & Harmon (Cast Metal for Solder, Babbitt Metal, etc.), Northville, Mich.
Stortz, John & Son, 210 Vine, Phila., Pa.
Turner Brass Works, Sycamore, Ill.
Vulcan Electric Heating Co. ("Vulcan," Electric), 71 W Jackson boul., Chicago, Ill.

*Pots (Sprinkling, Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Pots (Stencil Marking)

(See Pots, Marking)

Pots (Tallow)

Akron Mfg. Co. (Heavy Tin), Akron, O.
American Tube & Stamping Co., Bridgeport, Conn.
Gem Mfg. Co. ("Gem" Heavy Brazed Steel), Pittsburg, Pa.
Johnson Mfg. Co., Urbana, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Noera Mfg. Co. (Nickel Plated Steel), Waterbury, Conn.
Wall, P. Mfg. Supply Co., Allegheny, Pa.

Pots (Tempering)

National Tube Co. ("Shelby" Seamless Steel Tubing), Pittsburg, Pa.

Pots (Watering)

Atlantic Stamping Co. ("Atlantic," Sprinkling, Galvanized Iron & Tin), Rochester, N. Y.
Central Stamping Co., 174 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder & Paeschke & Frey Co. (Galvanized Iron, etc.), Milwaukee, Wis.
Wotherspoon, Jas. R. ("Wotherspoon"), 238 N. Front, Phila., Pa.

Potters' Supplies

Golding & Sons Co. (Clays, Feldspar, etc.), Wilmington, Del.

Pounders (Steak)

Arcade Mfg. Co. (Or Meat), Freeport, Ill.

Powder Mfrs.

Aetna Powder Co., 148 Dearborn, Chicago, Ill.
Allentown Non-Freezing Powder Co. ("Tro-jan"), Allentown, Pa.
American Powder Mills (Black & Smokeless), 131 State, Boston, Mass.
Anthony Powder Co., Ishpeming, Mich.
Austin Powder Co., Cleveland, O.
Burton Powder Co. (Blasting), Pittsburg, Pa.
California Vigorit Powder Co. (Explosive), San Francisco, Cal.
Cressona Powder Co. (Explosive), Pottsville, Pa.
Dittmar Powder Works, 102 W. 130th, New York

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Independent Powder Co. (of Missouri), Joplin, Mo., & Times bldg, St. Louis, Mo.
International Smokeless Powder & Chemical Co. (Gun Powder), Wilmington, Del.
Jefferson Powder Co. (Blasting), Birmingham, Ala.
Keystone Powder Mfg. Co., Emporium, Pa.
King Powder Co. (Smokeless), First Nat'l Bank bldg, Cincinnati, O.
Lakeside Powder Co. (Blasting), Shenandoah, Pa.
Miller, Jas. S., Sumneytown, Pa.
National Powder Co., 200 5th av, New York
Nitro Powder Co. (Gun Powder), Kingston, N. Y.
Peyton Chemical Works (Blasting), San Francisco, Cal.
Rendrock Powder Co., 11 B'way, New York
Roberts Powder Co., Shenandoah, Pa.
Robin Hood Ammunition Co. (Smokeless Gun Powder, etc.), Swanton, Vt.
Rockdale Powder Co., York, Pa.
Shamokin Powder Co. (High Explosives), Shamokin, Pa.
Sinnamahoning Powder Mfg. Co. (High Explosives), Emporium, Pa., & Huntington, W. Va.
United Powder Co. (Blasting Powder), San Francisco, Cal.
United States Powder Co. (Explosive), Terre Haute, Ind.

Powder Mfrs. (Aluminum)

(See Bronze Powder)

Powder Thawers

DU PONT, E. I. de NEMOURS POWder Co., Wilmington, Del. (See adv. index & branch offices, end of book)
Rundle, A. J. ("Rundle's"), Iron Mountain, Mich.

Powders (Bleaching)

American Chemical Co., Cincinnati, Ohio
Arnold, Hoffman & Co., Providence, R. I.
Castner Electrolytic Alkali Co., Niagara Falls, N. Y.
Clark, Fred G., Co., Cleveland, Ohio
Ferguson Bros., 109 Chestnut, Phila., Pa.
Fuerst Bros. & Co., 2 Stone, New York
General Chemical Co., 25 Broad, New York
Hill's, Edw., Sons & Co., 71 Pine, New York
Hollingsworth & Peterson, Phila., Pa.
Innis, Speiden & Co., 46 Cliff, New York
Klipstein, A., & Co., 122 Pearl, New York
Linder & Meyer, Boston, Mass.
Merrimac Chemical Co., Boston, Mass.
National Aniline & Chemical Co., 100 William, New York
Pennsylvania Salt Mfg. Co., Phila., Pa.
Riker, J. L. & D. S., 46 Cedar, New York.
Roessler & Hasslacher Chemical Co., 100 William, New York
Tennant, C., Sons & Co., 76 William, New York
Wing & Evans, 22 William, New York
Winkler, Isaac, & Bro., Cincinnati, Ohio

Powders (Carbonating)

Church & Dwight Co. ("Zenith"), 63 Wall, New York

Power Transmitting Machinery

(See Machinery, Power Transmitting; also Gears, Various Kinds; also Hangers, Various Kinds; also Shafting, Various Kinds; also Pulleys, Various Kinds)

Powers (Dog, Sheep, Etc.)

McDermaid, J., Rockford, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

Prairie Hay for Packing, Etc.

Wolfe, Thos. J., Jr., Walkerton, Ind.

Press-Board

Case, A. Willard & Co. (Imitation), Manchester, Conn.
Case Bros. (Inc.), Highland Park, Conn.
Case-Risley Press Paper Co., Oneco, Conn.
Connecticut Pulp & Paper Co., Unionville, Conn.
Crebore, Chas. F. & Son, Boston, Mass.
Elkhart Bristol Board & Paper Co., Elkhart, Ind.
Merwin Paper Co., Rainbow, Conn.
New York & Penna. Co., 41 Park row, New York
Newington Paper Co., Newington, Conn.
Rogers Paper Co., South Manchester, Conn.
Southern Fibre Co., New Orleans, La.

Press Roll Drives (Cylinder & Primary)

Moore & White Co., Phila., Pa.

Pressed Steel Specialties

(See also Steel, Pressed)

Gem Mfg. Co., Spruce nr 33d, Pittsburg, Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
Hydraulic Pressed Steel Co., E 61st, Cleveland, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
Reiter, G. C. (Special Work), Canton, O.
Standard Pressed Steel Co., 20th & Clearfield, Phila., Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Presses (Arbor)

Barnes W. F. & Jno. Co., Rockford, Ill.
Bartlett, E. E. ("Greenerd"), 326 A, Boston, Mass.
Fox Machine Co., Grand Rapids, Mich.
Johnson, Israel H., Jr., Co., 1422 Callowhill, Philadelphia, Pa
King Machine Tool Co., Clifton & Spring Grove avs., Cincinnati, O.
Lucas Machine Tool Co., Cleveland, O.
Marston, J. M. & Co. ("Greenerd"), 220 Ruggles, Boston, Mass
Niles-Bement-Pond Co., 111 B'way, New York
Wilmarth & Morman, Grand Rapids, Mich.

Presses (Armature & Field Coil Segments)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Comstock, J. F. & Co. (For Armature Coils), Wilkes-Barre, Pa.
Ferracute Machine Co., Bridgeton, N. J.

*Presses (Auger & Bit Heading)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Presses (Automatic, Disc Notching)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Presses (Automatic, Gang)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

*Presses (Automatic, Saw Tooth Notching)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Baling & Hay)

(See also Presses, Cotton)

Alamo Iron Works (Hay), San Antonio, Tex.
Anderson Company (Hay, etc.), St. Paul, Minn.
Ann Arbor Machine Co. ("Columbia" Hay), Ann Arbor, Mich.
Auto Fedan Hay Press Co. (Auto Self Feed Hay Press), Topeka, Kans.
Beatrice Rotary Baler Co. (Rotary), Beatrice, Neb.
BECK, CHAS. PAPER CO. (LTD.), (Paper Baling), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Beery Mfg. Co. (Hay), Upper Sandusky, O.
Benicia Iron W'ks (Inc.) (Hay), Benicia, Cal.
Bradley, David Mfg. Co. (Hay), Bradley, Ill.
Bullard, Walter (Hay), Chico, Cal.
Cardwell Machine Co. (Hay), Richmond, Va.
Castree & Shaw Co. (Hay), Owosso, Mich.
Chattanooga Implement & Mfg. Co. (Hay), East Chattanooga, Tenn.
Collins, F. F. Mfg. Co. (Hay), San Antonio, Tex.
Collins Plow Co. (Hay, "Ell," "Noxall"), Quincy, Ill.
Colton, G. D. & Co. (Hay), Galesburg, Ill.
Copeland, Henry (Hay), Chattanooga, Tenn.
Dain Mfg. Co. (Hay), Ottumwa, Iowa
Dedericks, P. K. Sons (Hay), Albany, N. Y.
De Loach Mill Mfg. Co. (Hay), Bridgeport, Ala.
Dennis, Jno. & Co., Lowell, Mass.
Eagle Mfg. Co. (Hay, etc.), Kansas City, Mo.
Eclipse Hay Press Co. (Hay), Kansas City, Mo.
ELMES, CHAS. F. ENGINEERING Works (Baling Only for Paper, Rags & Waste), cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Ertel, Geo. Co. (Hay), Quincy, Ill.
Famous Mfg. Co ("Champion," Good as Gold for Hay, Cardboard & Metal Scrap), East Chicago, Ind.
Farrar Lumber Co. (Hay), Dalton, Ga.
Hampton, Thos. F. (Hay), Honeybrook, Pa.
Hasard, Wm. (Hay), Trumansburg, N. Y.
Hendricks, D. B. & Co. (Hay, etc.), Kingston, N. Y.
Hercules Lever Jack Co., Irvington, N. J.
Hobbs Mfg. Co. (Waste Baling), Worcester, Mass.
Hyde, C. J. (Hay), Meridian, Miss.
Hydraulic Press Mfg. Co., Mount Gilead, O.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Jackson Hay Press & Mfg. Co. (Hay), Denver, Colo.
Kansas City Hay Press Co. (Hay, etc.), Kansas City, Mo.
Kemp's Mfg. Co. (Hay), Kankakee, Ill.
Kinnard Press Co. (Hay), Minneapolis, Minn.
Kline, Lewis T., Alpena, Mich.
Logemann Bros. Co. (Hydraulic), Milwaukee, Wis.
Lombard Iron Works & Supply Co., Augusta, Ga.
Maurer, F. X. Co. (Hay), Spencer, Iowa
Mead Hay Press Co. (Hay), Pueblo, Colo.
Miller, Wm. P. Co. (Also Rags, Cotton, etc.), 244 Greene, Brooklyn, N. Y.
Minnich Machine Works (For All Kinds of Products), Landisville, Lancaster Co., Pa.
Morehouse, L. C. (Hay), San Leandro, Cal.
Nancy Hanks Hay Press & Foundry Co. (Hay), Dalton, Ga.
New Winona Mfg. Co. ("Hay King," Portable), Winona, Minn.
Ohio Mfg. Co., Upper Sandusky, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Porter, J. B. Co. (Hay), Ottawa, Ill.
Robinson & Co. (Hay), Richmond, Ind.
Rumely, M. Co. (Hay), La Porte, Ind.
Sanders Improved Hay Press Mfg. Co., Dalton, Ga.
Sandwich Mfg. Co. (Hay), Sandwich, Ill.
Scott Mfg. Co. (Hay), Kansas City, Mo.
Sikes Mfg. Co. (Hay), Ocilla, Ga.
Sinclair-Scott Co., c Wells & Patapsco, Baltimore, Md.
Smith & Sons Mfg. Co. (Hay), Kansas City, Mo.
Spencer, J. A. (Hay, "Favorite Alligator," "Hercules," "Perpetual"), Dwight, Ill.
Strait, H. N. Mfg. Co. ("National," Hay), Kansas City, Mo.
Waterville Foundry & Mfg. Co., Waterville, N. Y.
Watkins Hay Press Co., East Point, Ga.
WATSON-STILLMAN CO. (Hydraulic Baling), 50 Church, New York. (See adv. index, end of book)
Williams Buggy Co. (Hay), Macon, Ga.
Whitehurst, R. W. Co. (Hay), Norfolk, Va.
Woodruff H'dware & Mfg. Co. ("Woodruff" Hay), Winder, Ga.
Whitman Agricultural Co. (Steam, Hand Power, Hay), 6900 S B'way, St. Louis, Mo.

*Presses (Beet Testing)

MacKINNON BOILER & MACHINE Co. (Hydraulic & Hand Power), Bay City, Mich. (See adv. index, end of book)

*Presses (Belting)

ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

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Presses (Bench)

(See also Presses, Power)

Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co. Warren, Mass.
Springfield Machine Tool Co., Springfield, O.

Presses (Bending)

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co. (Hydraulic), South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Presses (Bicycle Chain)

(See Presses, Power)

Presses (Bicycle Saddle)

Burroughs, Chas. Co., 141 Commerce, Newark, N. J.

Presses (Blacksmiths' Drill)

(See Drills, Blacksmiths')

Presses (Blanking)

(See Presses, Power)

*Presses (Bliss Inclinable)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Box)

Chase Turbine Mfg. Co. (Automatic), Orange, Mass.
Fischer, E. Machine Works (Clamp Press), 710 Carroll av, Chicago, Ill.

Presses (Brick)

(See Machines, Brick Press)

Presses (Broaching)

American Can Co., 135 Adams, Chicago, Ill.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Logemann Bros. Co. (Hydraulic), Milwaukee, Wis.
Perkins Machine Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Presses (Bullet Lubricating & Sizing)

Ideal Mfg. Co., New Haven, Conn.

Presses (Bumping)

Swaine, F. J. Co., St. Louis, Mo.
West Mfg. Co., 374 7th, Buffalo, N. Y.

*Presses (Cam Drawing)

(See also Presses, Drawing; also Presses, Power)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Car Wheel)

(See also Presses, Hydrostatic Wheel)

Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works (Paper, Rags & Waste), cor. Fulton & N. Sangamon, Chicago, Ill. (See adv. index, end of book)
Hydro Press Co. (Hydraulic), Rochester, N. Y.
Logemann Bros. Co., Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Sellers, Wm. & Co., 1600 Hamilton, Phila., Pa.
WATSON-STILLMAN CO., 50 Cortlandt New York. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Card Cutting)

(See Card Cutting Machines)

Presses (Card Printing)

Automatic Printing Press Co. (Automatic Self-Feeding), 237 5th av., Chicago, Ill.

Presses (Cheese)

Burrell, D. H. & Co. ("Sprague" Adjustable Continuous Pressure Gang & "Fraser" Gang Presses & Hoops), Little Falls, N. Y.
Creamery Package Mfg. Co., 182 E Kinzie, Chicago, Ill.
Dairy Specialty Co., West Chester, Pa.
Dean Mfg. Co., Seymour, Wis.
Gowanda Agricultural Works Co., Gowanda, N. Y.
Jones, Frank L. (Gang), Utica, N. Y.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
Reid, A. H., Creamery & Dairy Supply Co., Philadelphia, Pa.
Sharples Separator Co. (Gang, "Helmer," "Jespersen" & "Fraser" Patents, etc.), West Chester, Pa.
Vermont Farm Machinery Co., Bellows Falls, Vt.

Presses (Cider)

(See Presses, Wine & Cider)

Presses (Cloth Cutting)

(See Cloth Cutting Machines in Textile Machinery & Supplies)

Presses (Coil)

Oliver Elec. & Mfg. Co. ("Precision"), St. Louis, Mo.
Smith & Wallace ("Clarke"), Woburn, Mass.

Presses (Coining)

(See Coining Machines)

*Presses (Collet)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Compo Molding)

Andrew, M. L. & Co., 2852 Spring Grove av, Cincinnati, O.

Presses (Concrete)

(See Concrete Hollow Building Block Machinery)

Presses (Continuous)

Anderson, V. D. Co. (Expellers for Oil or Moisture), Cleveland, O.

*Presses (Continuous Abattoir)

KUTZTOWN FOUNDRY & MACHINE CO. ("Edgerton"), 116 N. Broad, Phila., Pa. (See adv. index & branch offices, end of book)

Presses (Copying)

Bailey Mfg. Co., 159 Leonard, New York
Chicago Scale Co., 296 W Jackson boul, Chicago, Ill.
Fairbanks Co., 186 Lafayette, New York.
Hill, B. B. Mfg. Co., 1020 New Market, Phila.,
Hoe, R. & Co., 504 Grand, New York
Howe Scale Co., Rutland, Vt.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Phila. Novelty Mfg. Co., N 13th & Noble, Phila., Pa.
Pridmore, Henry E. (Automatic), 918 S Rockwell, Chicago, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Roneo Co. ("Roneo" Automatic Copying & Cutting), 332 B'way, New York
Rotopress Mfg. Co. ("Rotopress," "Quick Easy"), Marion, Ind.
Shriver, T. & Co., Harrison, N. J.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Tatum, Samuel C. Co., Cincinnati, O.

Presses (Cotton)

Adams, W. T. Machine Co., Corinth, Miss.
Attalla Foundry & Machine Co., Attalla, Ala.
Bushnell, Geo. H., Press Co., Thompsonville, Conn.
Cardwell Machine Co., Richmond, Va.
Chickasaw Iron Works, Memphis, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cole, R. D. Mfg. Co., Newman, Ga.
Continental Gin Co., Bridgewater, Mass., & Birmingham, Ala.
Copeland, Henry, Chattanooga, Tenn.
Cornell, J. B. & J. M. Co., 20th & 11th av, New York
Dederick's, P. K. Sons, Albany, N. Y.
Ertel, George Co., Quincy, Ill.
Famous Mfg. Co., East Chicago, Ind.
Georgia Agricultural Works, Fort Valley, Ga.
Gullet's Gin Co., Amite, La., & 606 Common, New Orleans, La.
Hyde, C. J., Meridian, Miss.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Janney & Co., Montgomery, Ala.
Kingsland Mfg. Co. (Steam), St. Louis, Mo.
Liddell Co. (Inc.), Charlotte, N. C.
Livermore Foundry & Machine Co., Memphis, Tenn.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lummus, F. H. Sons Co., Columbus, Ga.
Maurer, F. & Co., Spencer, Ia.
Means, J. L. Machinery Co., Shreveport, La.
Mecklenburg Iron Works, Charlotte, N. C.
Miller, O. H., Fort Valley, Ga.
Murray Ginning System Co., Dallas, Tex.
Pusey & Jones Co., Wilmington, Del.
Reading Iron Co., Reading, Pa.
Schofield, J. S. Sons Co., Macon, Ga.
Sinclair-Scott, Baltimore, Md.
Southern Engine & Boiler Works, Jackson, Tenn.
Southern Standard Press Co., Meridan, Miss.
Stedman Foundry & Machine Works, Aurora, Ind.
Thomas-Fordyce Mfg. Co., Little Rock, Ark.
Valk & Murdoch Iron Works, Charlotte, S. C.
Van Winkle, E. Gin & Machine Works, Atlanta, Ga.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
West Point Iron Works, West Point, Ga.
Whitehurst, R. W. Co., Norfolk, Va.
Wing-Sayle Foundry & Machine Co., Little Rock, Ark.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

*Presses (Cotton Bat)

COHOES IRON FOUNDRY & MACHINE Co., Cohoes, N. Y. (See adv. index, end of book)

Presses (Cotton Seed Hull)

Cardwell Machine Co., Richmond, Va.
Copeland, Henry, Chattanooga, Tenn.
Dederick's, P. K. Sons, Albany, N. Y.
Gullet's Magnolia Gin Agency, 606 Common, New Orleans, La., & Amite City, La.
Kingsland Mfg. Co., St. Louis, Mo.
Liddell Co., Charlotte, N. C.
Murray Ginning Process Co., Dallas, Tex.
Southern Standard Press Co., Meridian, Miss.
Valk & Murdoch Iron Works, Charleston.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman Agricultural Co., St. Louis, Mo.

Presses (Cotton Seed Oil)

Buckeye Iron & Brass Works, Dayton, O.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Codd, E. J., Co., 700-708 S. Caroline, Baltimore, Md.
Famous Mfg. Co. (Cotton Seed Hull), East Chicago, Ind.
French Oil Mill Machinery Co., Piqua, O.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Shriver, T. & Co., Harrison, N. J.

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Presses (Crank Pin)

Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perkins Machine Co., Warren, Mass.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Presses (Cutting)

(See Presses, Power)

Presses (Dial)

(See Presses, Power)

*Presses (Dial, Feed)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Die)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Kidder, R. E., Worcester, Mass.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Seelye Mfg. Co., 118 South, Boston, Mass.
Seybold Machine Co., Dayton, O.
Sheridan, T. W. & C. B. Co. (Bookbinders), 56 Duane, New York
Swaine, F. J. Co., St. Louis, Mo.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

Presses (Die Cutting)

Hinze, H., Tribune bldg, New York
Oswego Machine Works (Neil Gray, Jr., Prop.) ("Oswego" for Printers & Box Makers, etc.), Oswego, N. Y.

Presses (Disc Notching)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.

Presses (Drawing)

(See also Sheet Metal Workers' Machines & Tools)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Can Co., 135 Adams, Chicago, Ill.
Blake & Johnson Co., Waterbury, Conn.
Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hickok, W. O. Mfg. Co., Harrisburg, Pa.
Leffler, Charles & Co. (Sheet Metal, etc.), 63 Clymer, Brooklyn, N. Y.
Michigan Machinery Mfg. Co., Ypsilanti, Mich.
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
Stoll, D. H. Co., Buffalo, N. Y.
Swaine, F. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
V. & O. Press Co., Glendale, L. I., N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.
Zeh & Hahnemann (Double Acting), Vanderpool & Av. A, Newark, N. J.

Presses (Drill)

(See Drills, Various Kinds)

Presses (Drop)

(See also Hammers, Drop)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Tube & Stamping Co., Bridgeport, Conn.
Billings & Spencer Co., Hartford, Conn.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO. ("Universal" for Metal Ceilings), Canton, O. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Johnson, Israel H., Jr., Co., 837 N 15th, Phila., Pa.
Keene, Geo. C. & Co., Cincinnati, O.
Leffler, Chas. & Co. (Sheet Metal, Can Makers, etc.), 63 Clymer, Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.
Oliver, W. W. Mfg. Co. (Jewelers, etc.), 1453 Niagara, Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Robinson, J. M. Mfg. Co., Cincinnati, O.
Swaine, Fred. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.
Woolly Foundry & Machine Co., Anderson, Ind.

Presses (Embossing)

Adriance Machine Works (Sheet Metal, Leather, Paper, etc.), 254 Van Brunt, Brooklyn, N. Y.
American Can Co. ("Rudolphi" & "Krummel," Toggle & Four Post Toggle), 135 Adams, Chicago, Ill.
BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Carver, C. R. Co., 15th & Lehigh av, Phila., Pa
Currier, Cyrus & Sons, Newark, N. J.
Dewes, A. Co. ("Columbia"), 243 Centre, New York
ELMES, CHAS. F. ENGINEERING Works, c Fulton & N Sangamon, Chicago, Ill. (See adv. index, end of book)
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Grammes, L. F., & Sons (Gold & Wood), Allentown, Pa.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hickok, W. O. Mfg. Co., Harrisburg, Pa.
Hinze, H., Tribune bldg., New York
Hydraulic Press Mfg. Co., Mount Gilead, O.
Jones, W. E., 14 Water, Brooklyn, N. Y.
Loy & Nawrath, Newark, N. J.
Manville, E. J. Machine Co., Waterbury, Conn.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (Metal), 157 Oraton, Newark, N. J.
Perkins Machine Co., Warren, Mass.
Roovers Bros. (For Metal Name Plates, Pattern Letter Plates, Tags, Labels, etc.), 100 Schermerhorn, Brooklyn, N. Y.
Swaine, F. J. Co. (Sheet Metal), St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Traud, Alex. Co. (For Leather), Newark, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)

Presses (Engravers' Transfer)

Currier, Cyrus & Sons, Newark, N. J.

Presses (Excelsior Baling)

(See Presses, Baling & Hay)

Presses (Fillet)

Fox Machine Co., Grand Rapids, Mich.

Presses (Filter)

Albright-Nell Co., Chicago, Ill.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Blaisdell Co. ("Blaisdell" Slime Treatment), Los Angeles, Cal.
Blymyer Iron Works Co., Cincinnati, O.
Bonnot Company, Canton, O.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Butters Patent Vacuum Filter Co. ("Butters" Vacuum Filter for Slime Treatment), San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
Carey, Samuel, 17 State, New York
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Currier, Cyrus & Sons, Newark, N. J.
Dyer Co., New England bldg, Cleveland, O.
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Field Force Pump Co., Elmira, N. Y.
Erhart, Chris., 1237 W 6th, Cincinnati, O.
Guild & Garrison, Kent av & S 10th, Brooklyn, N. Y.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Kelly Filter Press Co. ("Kelly," for Treatment of Mill Slimes, etc.), Salt Lake City, Utah
Kilby Mfg. Co., Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
Logemann Bros. Co., Milwaukee, Wis.
Love Bros., Inc. (for Glucose), Aurora, Ill.
Louisville Drying Machinery Co., Louisville, Ky.
Mine & Smelter Supply Co., Blake & 17th, Denver, Colo.
Moore Filter Co. ("Moore," Slime Process), 170 B'way, New York
Moore, Samuel L. & Sons Corp'n, Elizabeth, N. J.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Perrin, Wm. R., & Co. (Mining, Slime Treatment, etc.), 46th & Loomis, Chicago, Ill.
PLATT IRON WORKS CO. (For Chemicals, Oils, Sugar, Starch, Varnish, etc.) (See adv. index & branch offices, end of book)
Pusey & Jones Co., Wilmington, Del.
Redfield, Robt. S., & Co. (for Chemicals, Starch, Oils, Glucose, Sugar, Varnish, etc.), 90 West, New York. Works, Elizabeth, N. J.
Royal Machine Co., Newark, N. J.
Shriver, T. & Co., Harrison, N. J.
Simpson Foundry Co., 26 Rodney, Brooklyn, N. Y.
Sperry, D. R. & Co., Batavia, Ill.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Traud, Alex. Co., 5 Maine, Newark, N. J.
Vogt, Henry Machine Co., Louisville, Ky.
Whitney Iron Works Co., New Orleans, La.

Presses (Flanging)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chambersburg Engineering Co. (Sectional), Chambersburg, Pa.
ELMES, CHAS. F. ENGINEERING Works, cor Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Perkins Machine Co. (For Heavy Flanging), Warren, Mass.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Wood, Wm. H. (Sectional), Media, Pa.

Presses (Foot)

American Can Co. (Pendulum, Floor or Bench), 135 Adams, Chicago, Ill.
Astoria Iron Works (Inc.) (Die Presses for Salmon Canneries, etc.), Astoria, Oreg.
Ayars Machine Co. (For Can Making, etc.), Salem, N. J.
Baird Machine Co., Oakville, Conn.
Bender, Ph. J. & Sons, 87 Frankfort, New York
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Chapman, W. H., & Co. (Jewelers'), 229 Mulberry, Newark, N. J.
Clough, R. M., Tolland, Conn.
Cook, Thos. W. G., 4 Reade, New York
Dewes, A. Co., 243 Centre, New York
Draher, John, Waterbury, Conn.
Ferracute Machine Co., Bridgeton, N. J.

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HEARTLEY MACHINE, VARIETY Iron & Tool Works Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Johnson, Israel H., Jr., Co., Phila., Pa.
Jones, W. E., 14 Water, Brooklyn, N. Y.
La Salle Machine & Tool Co., La Salle, Ill.
Leffler, Chas. & Co. (Toggle Lever, Sheet Metal, etc.), 63 Clymer, Brooklyn, N. Y.
Loyd, John Co., 562 Water, New York
Manville E. J. Machine Co. (Single), Waterbury, Conn.
Michigan Machinery Mfg. Co., Ypsilanti, Mich.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perkins Machine Co., Warren, Mass.
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Royal Machine Co., 61 N. J. R. R. av, Newark, N. J.
SHUSTER, F. B. CO. (Toggle, Double & Pendulum Lever), New Haven, Conn. (See adv. index, end of book)
Simpson Foundry Co., 28 Rodney, Brooklyn, N. Y.
Slaysman & Co. (Can Makers', etc.), 718 E Pratt, Baltimore, Md.
Stimpson, Edwin B. & Son (Runching & Perforating Leather, etc.), 31 Spruce, New
Swaine, F. J. Co., St. Louis, Mo. York
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann, Vanderpool & Avenue A, Newark, N. J.

*Presses for Lining Service Pipe with Cement

UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)

Presses (Forging)

(See Presses, Drop; Presses, Hydraulic; Presses, Power; Hammers, Drop; Forging Machines)

Presses (Forming)

Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Comstock, J. F. & Co. (Armiture Coil), Wilkes-Barre, Pa.
ELMES, CHARLES F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Robinson, J. M. Mfg. Co. (Toggle). Cincinnati, Ohio
Stoll, D. H. Co., Buffalo, N. Y.
Swaine, F. J. Co., St. Louis, Mo.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Zeh & Hahnemann, Vanderpool & Av. A, Newark, N. J.

Presses (Four Plate Printing)

Gould & Eberhardt (For Bank Notes, Checks, Postage Stamps, etc.), Newark, N. J.

Presses (Friction Clutch)

Baird Machine Co., Oakville, Conn.

*Presses (Friction, Dial Feed)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Fruit)

(See also Presses, Wine & Cider)

Hardware & Woodenware Mfg. Co. ("Brighton" for Family Use), 693 B'way, New York
Landers, Frary & Clark ("Universal"), New Brighton, Conn.
Northwestern Kitchenware Mfg. Co. ("Economy" Colander & Fruit Press), 120 N. 4th, Minneapolis, Minn.
Vogel, Wm., & Bros. ("Henis"), 37 S. 9th, Brooklyn, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

Presses (Gang Tool)

Perkins Machine Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Presses (Glass)

Sommerfeld Machine & Mfg. Co., 220 2d av, Pittsburg, Pa.

*Presses (Glue)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

*Presses (Gun Powder)

WATSON-STILLMAN CO., 50 Church, New York, (See adv. index, end of book)

Presses (Hand)

ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.

Presses (Hand, for Rubber Mfrs.)

ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Williams Foundry & Machine Co., Akron, O.

Presses (Harness & Saddlers)

Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.

Presses (Hay)

(See Presses, Baling & Hay)

Presses (Horizontal)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
Perkins Machine Co., Warren, Mass.
Standard Machine Co., Providence, R. I.
Toledo Machine & Tool Co., Toledo, Ohio.
Waterbury-Farrel Foundry & Machine Co., Waterbury, Conn.

Presses (Horn)

Stowell, J. A. Co., Leominster, Mass.

Presses (Horning & Wiring)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Can Co. (For Can Makers, etc.), 185 Adams, Chicago, Ill.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Leffler, Chas. & Co., 61 Clymer, Brooklyn, N Y
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Slaysman & Co. (For Can Makers), 718 E. Pratt, Baltimore, Md.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Swaine, F. J. Co., St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, Ohio.
Torris-Wold & Co., 66 W Jefferson, Chicago, Ill.
Zeh & Hahnemann, Newark, N. J.

Presses (Hydraulic)

Adamson, Alex. (For Rubber Mfrs.), Akron, O.
Allentown Foundry & Machine Works Co. (Inc.), Allentown, Pa.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co. (Of All Descriptions), South Bethlehem, Pa.
Birmingham Iron Foundry, Derby, Conn.
Boomer & Boschert Press Co., Syracuse, N. Y.
Builders' Iron Foundry, Providence, R. I.
Burroughs, Chas. Co., Newark, N. J.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Caldwell, E. R. & Co., Bradford, Pa.
Carbondale Machine Co., Carbondale, Pa.
Cardwell Machine Co., Richmond, Va.
Chambersburg Engineering Co., Chambersburg, Pa.
Cole, R. D. Mfg. Co., Newnan, Ga.
Crowell, H. M., Mfg. Co. (Stamping), 358 Mulberry, Newark, N. J.
Currier, Cyrus & Sons, Newark, N. J.
Davenport Foundry & Machine Co., Davenport, Ia.

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Davis-Johnson Mfg. Co., 345 S Canal, Chicago, Ill.
Defiance Machine Works (Hub & Flange), Defiance, O.
Dennis, Jno. & Co. (For Hot Pressing), Lowell, Mass.
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, cor. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Famous Mfg. Co., East Chicago, Ind.
French Oil Mill Machinery Co., Piqua, O.
Garrison, A., Foundry Co. (For Rolling Mills, etc.), Pittsburg, Pa.
Holyoke Machine Co., Holyoke, Mass., & Worcester, Mass.
Howard Iron Works (For Leather & Book Binders), Buffalo, N. Y.
Hydraulic Press Mfg. Co. Mount Gilead, O.
Hydro-Press Co., Rochester, N. Y.
Illinois Iron & Bolt Co. (For Wagon or Carriage Mfrs.), Carpentersville, Ill.
Kilby Mfg. Co., Cleveland, O.
Laidlaw-Dunn-Gordon Co., Cincinnati, O.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Logemann Bros. Co., Milwaukee, Wis.
Lowell Machine Shop, Lowell, Mass.
McLauthlin, Geo. T. Co., Boston, Mass.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO., Alliance, Ohio. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perrin, Wm. R. & Co. (For Abattoirs), 1500 46th, Chicago, Ill.
Phila. Drying Machine Co., 6721 Germantown av, Philadelphia, Pa.
Phila. Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
PLATT IRON WORKS CO. (For Oils, Castor Bean, Corn Oil, Hard Wax, etc.), Dayton, O., & 100 B'way, New York. (See adv. index & branch offices, end of book)
Pusey & Jones Co., Wilmington, Del.
Redfield, Robt. S. & Co., 90 West, New York; Works: Elizabeth, N. J.
Rieble Bros. Testing Machine Co., 1524 N 9th, Phila., Pa.
Robertson, John & Co. (For Making Lead Pipe, Block Tin Pipe, Solder Wire, Trap & Bends, Lead Incasing Electric Conductors, Silversmiths & Jewelers' Use), 129 Water, Brooklyn, N. Y.
Royal Machine Co., Newark, N. J.
Shriver, T., & Co., Harrison, N. J.
Spence & Rideout, Nashua, N. H.
Thomas-Albright Co. (For Tankage, Tallow, Leather, Cement, etc.), Goshen, Ind.
United Engineering & Foundry Co., Pittsburg, Pa.
United States Rapid-Fire Gun & Power Co. (For Heavy Forging, Drawing, Stamping, Rubber Presses, etc.), Derby, Conn.
Vulcan Iron Works (Portable, for Pressing on & off Cranks, Crank Pins, Car Wheels, etc.), 28 N Irving av, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Westbrooks Elevator Co., Danville, Va.
Williams Foundry & Machine Co. (For Rubber Goods), Akron, O.
Williams, White & Co. (For Gun Carriages & Other Work), Moline, Ill.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Crank Pin)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Portable), 400 Chestnut, Phila., Pa.

Presses (Hydraulic Flanging)

(See also Flanging Machines)

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg Pa.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Wickes Bros., Saginaw, Mich.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Forging)

(See also Forging Machines)

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa., & 111 B'way, New York
Chambersburg Engineering Co., Chambersburg, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Phila. Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic, Four Column)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

*Presses (Hydraulic Lead Pipe)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Presses (Hydraulic Leather Belting)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Thomas-Albright Co., Goshen, Ind.

*Presses (Hydraulic Macaroni)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Presses (Hydraulic Pipe Bending)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Portable)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Vulcan Iron Works, 28 N Irving av, Chicago, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Pulley)

Bethlehem Steel Co., South Bethlehem, Pa.

Presses (Hydraulic Rubber Vulcanizing)

Clark, Edred W., Hartford, Conn.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Farrel Foundry & Machine Co., Ansonia, Conn.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Thropp, Jno. E., Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.

Presses (Hydraulic Spring Bending)

Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Wheel)

(See Presses, Car Wheel)

Presses (Hydrostatic Wheel)

Bentel & Margedant Co. (Also Wheel Box), Hamilton, O.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York

Presses (Inclinable)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Michigan Mchy. Mfg. Co., Ypsilanti, Mich.
Perkins Machine Co., Warren, Mass.

*Presses (Jute)

MERRILL BROS., William st., Maspeth, Boro. of Queens, New York. (See adv. index, end of book)

Presses (Knock Screw)

Clark, Edred W., Hartford, Conn.
Thropp, Jno. E. Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.

Presses (Knuckle Joint)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Boomer & Boschert Press Co., Syracuse, N. Y.
Bushnell Press Co., Thompsonville, Conn.
Perrin, Wm. R., & Co., 46th & Loomis, Chicago, Ill.

Presses (Lard & Tallow)

Boomer & Boschert Press Co., Syracuse, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Enterprise Mfg. Co. of Pa., N 3rd & Dauphin, Phila., Pa.
Griswold Mfg. Co., Erie, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Murray Iron Works Co., Burlington, Ia.
Silver Mfg. Co., Salem, O.
Wrightsville Hardware Co., Wrightsville, Pa.

Presses (Lead Pipe)

PLATT IRON WORKS CO. (Hydraulic), Dayton, O. (See adv. index & branch offices, end of book)

Presses (Leather)

Randall, J. D., Co. (For Harness & Horse Collar Mfrs., etc.), Cincinnati, O.

Presses (Lever)

BLISS, E. W. CO. (Foot & Hand), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Leffler, Chas. & Co. (Ontable, Toggle Lever Foot), 68 Clymer, Brooklyn, N. Y.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Perrin, Wm. R., & Co., 46th & Loomis, Chicago, Ill.
Philadelphia Drying Machinery Co., 6721 Germantown av., Phila., Pa.
SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)
Swaine, F. J. Co., St. Louis, Mo.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Presses (Linseed Oil)

Buckeye Iron & Brass Works, Dayton, O.
Bushnell, G. H. Press Co., Thompsonville, Conn.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
French Oil Mill Machinery Co., Piqua, O.
Hydraulic Press Mfg. Co., Mount Gilead, O.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)

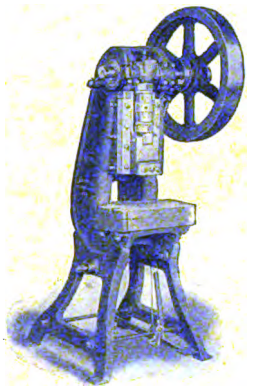
Presses (Lithographers')

Babcock Printing Press Mfg. Co., New London, Conn.
Campbell Printing Press & Mfg. Co., 1 Madison av, New York

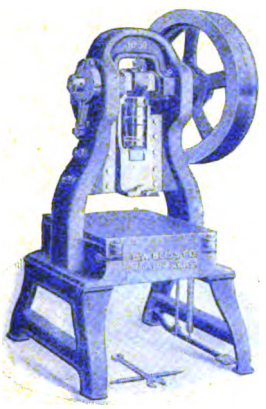
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E. W. BLISS COMPANY

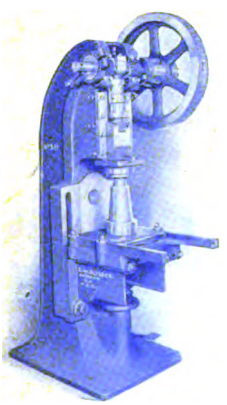
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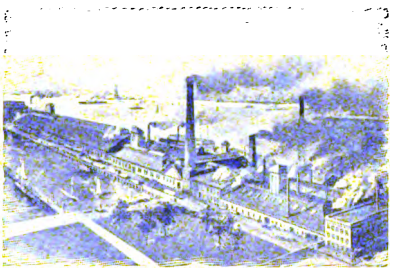
"BLISS" POWER PRESSES—Nos. 30 to 34, weighing from 2,000 to 5,000 lbs., also made with gearing. Adapted for many operations in the manufacture of pieced tinware, ironware, etc.



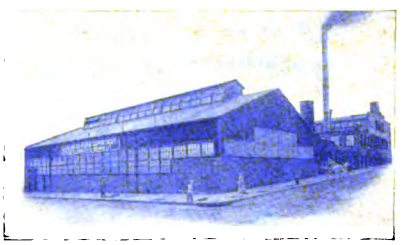
"BLISS" HORN AND WIRING PRESSES—16 sizes and several styles, some of them with automatic die slide for work up to 24 inches diameter. Weights 1,100 to 5,300 lbs.



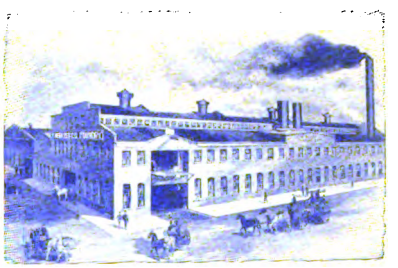
MAIN WORKS



SOUTH BROOKLYN WORKS



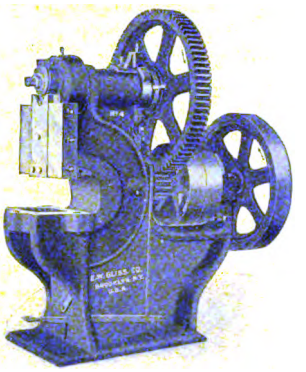
FORGE DEPARTMENT



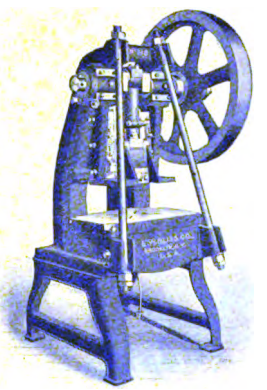
FOUNDRY DEPARTMENT

DIES—We make a specialty of dies for blanking, punching, piercing, shaping, stamping, drawing, embossing, etc., etc., and invite correspondence on the subject.

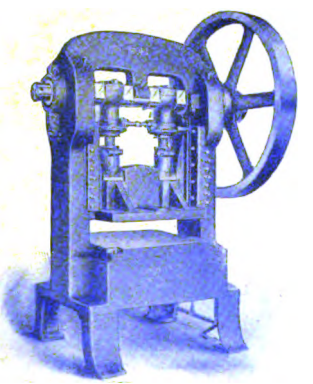
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"BLISS" POWER PRESSES—Nos. 17 to 31¾, weighing 1,300 to 9,000 lbs. For cutting, stamping, forming, lettering, wiring and combination die work in the manufacture of pieced tinware, tin cans, boxes, elbows, etc.

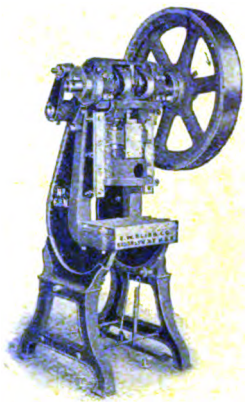


"BLISS" DOUBLE CRANK PRESSES—Built in over 125 different types and sizes, weighing from 2,600 to 100,000 lbs., cover a large variety of work, including heavy cutting, forming and forging.

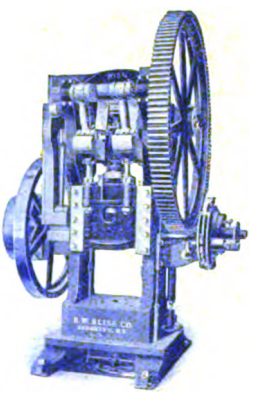
LARGEST BUILDERS OF SHEET METAL WORKING MACHINERY

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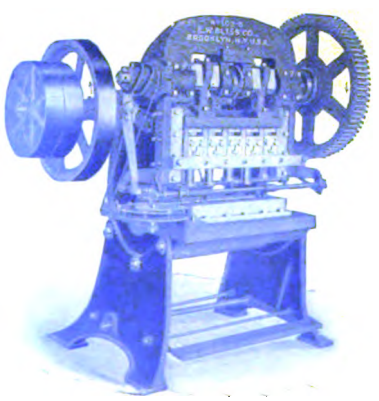
COMPLETE DROP FORGING EQUIPMENTS



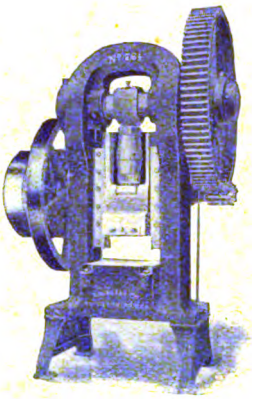
"BLISS" DOUBLE-ACTION PRESSES—10 sizes, weighing from 750 to 3,800 lbs. Used in cutting and drawing shells in tin, brass, zinc, copper, aluminum and steel.



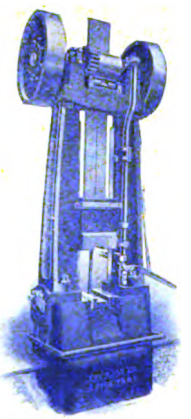
"BLISS" TOGGLE DRAWING PRESSES—Over 20 sizes, weighing from 5,600 to 150,000 lbs. For drawing shells from all kinds of sheet metal.



"BLISS" AUTOMATIC PRESS—For the rapid and economical production of articles which require a series of operations to be performed, such as harness, oil can tops, burner parts, etc. Made with 4 or 5 Punch Slides. Weight, as shown 5,700 lbs.

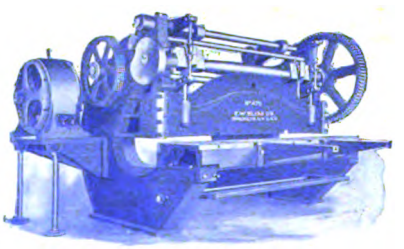


"BLISS" STRAIGHT-SIDED PRESSES—7 sizes, Fly wheel or Geared, weighing from 5,000 to 80,000 lbs. For trimming drop forgings, heavy stamping, punching, cutting, piercing, etc.

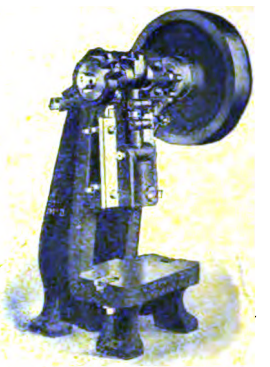


"STILES" AUTOMATIC FRICTION ROLL DROP HAMMERS—12 sizes, with Geared or Gearless Lifter. Adapted for forging or stamping; hammers weighing from 50 to 5,000 lbs., with total weight of from 1,200 to 108,000 lbs.

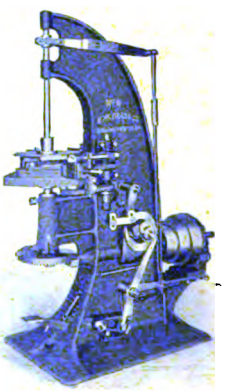
We also build a large line of Plain and Belt Lift Hammers, weighing from 40 lbs. to 1,700 lbs.; total weight, from 400 lbs. to 17,000 lbs.



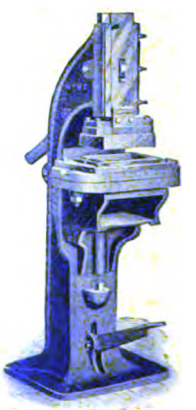
"BLISS" SQUARING AND TRIMMING SHEARS—Made in over 50 styles and sizes, weighing from 450 to 90,000 lbs. For cutting sheet metal up to 50 in. long by foot power, and up to 136 in. long, 1 in. thick by steam power.



"BLISS" No. 8 BENCH PRESS—This press is particularly adapted for light work to take the place of foot presses. It is used in the manufacture of burners, light jewelry work, etc., for small hole punching, blanking and forming; weight 250 lbs.



"BLISS" DOUBLE-SEAMERS—Over 20 types and sizes, weighing from 275 to 3,000 lbs. For double-seaming the tops and bottoms on articles of square, round, oval and irregular shapes.



FOOT LEVER AND PENDULUM PRESSES—30 sizes and styles, weighing from 70 to 3,000 lbs. For cutting and shaping sheet metal goods; also for jewelers' use.

PRESSES, DIES, SHEARS, DROP HAMMERS AND SPECIAL MACHINERY
COMPLETE OUTFITS FOR PACKERS' CANS AND SANITARY CANS FOR FRUITS AND VEGETABLES
"Highest Degree of Excellence" E. W. BLISS COMPANY 19 Adams Street, Brooklyn, N. Y.

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Cottrell, C. B. Sons Co., 41 Park Row, New York
Fuchs & Lang Mfg. Co., 29 Warren, New York
Harris Automatic Press Co. (Rotary Off Set), Niles, O.
Hinse, H., Tribune bldg., New York.
Hoe, R., & Co., 504 Grand, New York
Howard Iron Works, Buffalo, N. Y.

Presses (Lock Corner Die)

Nazel Engineering & Machine Works (For Paste Board Folding Box Machinery), 4041 N 5th, Phila., Pa.

Presses (Mandrel)

(See Presses, Arbor)

Presses (Meat Juice)

Osborne, C. S. & Co. ("Osborne"), Harrison, N. J.

Presses (Meter Sealing)

H. C. K. Co., 30 Greenwich, New York

Presses (Molding)

(See Molding Machines, Foundry)

Presses (Multiple Punching)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Michigan Machinery Mfg. Co., Ypsilanti, Mich.

Presses (Olive Oil)

Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.

*Presses (Paper Box Cutting & Creasing)

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end

Presses (Peanut Oil)

Buckeye Iron & Brass Works, Dayton, O.
Bushnell, G. H. Press Co., Thompsonville, Conn.

Presses (Perforating)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Stimpson, Edwin B., & Son, 31 Spruce, New York

*Presses (Pickeye Forging)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Pipe Straightening)

United Engineering & Foundry Co. (For 6 to 12 inch Pipe), Farmers' Bank bldg, Pittsburg, Pa.

Presses (Platen)

Hydro-Press Co., Rochester, N. Y.

Presses (Power)

Adriance Machine Works (Sheet Metal, Wire, Paper, etc.), 254 Van Brunt, Brooklyn, New York
Alliance Machine Co. (Armature, Forging, Punching, etc.), Alliance, O.
American Can Co. ("Rudolphi & Krummel" Patterns for Can Makers, etc.), 135 Adams, Chicago, Ill.
Ams Max Machine Co. (For Can Makers), Mt. Vernon, N. Y.
Astoria Iron Works (Inc.) (Die Presses for Salmon Canneries, etc), Astoria, Ore.
Atlas Mfg. Co., Fostoria, O.
Automatic Machine Co., Bridgeport, Conn.
Automatic Specialty Co. (Sheet Metal, Paper, etc.), 6th & Baymiller, Cincinnati, Ohio
Ayars Machine Co. (For Can Making, etc.), Salem, N. J.
Baird Machine Co., Oakville, Conn.
Bender, Ph. J. & Sons, 87 Frankfort, New York
Bethlehem Steel Co., South Bethlehem, Pa.
Birch-Birch (Blanking, for Sheet Metal), Crawfordsville, Ind.
Blake & Johnson Co., Waterbury, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Bushnell, G. H. Press Co., Thompsonville,
Cady Machine Co., Cleveland, O. Conn.
CLEVELAND PUNCH & SHEAR WORKS Co., 1306 E 40th, Cleveland, O. (See adv. index, end of book)
Cleveland Stamping & Tool Co., Cleveland, O.
Clough, R. M., Tolland, Conn.
Consolidated Press & Tool Co., Hastings,
Cook, Henry C. Co., Ansonia, Conn. Mich.
Cook, Thos. W. G., 4 Reade, New York
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Curtis & Marble Machine Co., Worcester, Mass.
Dewes, A., Co. (Steam), 243 Centre, New York
Draher, John, Waterbury, Conn.
Falstrom & Tornquist Co. (For Corrugating Sheet Metal), Passaic, N. J.
Ferracute Machine Co., Bridgeton, N. J.
Frankford Foundry & Machine Works (Forging & Punching), Frankford, Phila., Pa.
Garrison, A., Foundry Co. (For Rolling Mills, etc.), Pittsburg, Pa.
Gohlke, Theo., 12th & Locust, St. Louis, Mo.
Griswold, Geo. M., 35 Union, New Haven, Conn.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hickok, W. O. Mfg. Co. (Toggle), Harrisburg, Pa.
Humphrey Machine Co. (Also Hand), Keene, N. H.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Jones, W. E., 14 Water, Brooklyn, N. Y.
Leffler, Chas. & Co. (Sheet Metal Cans, Tinware, etc., in Ten Sizes), 68 Clymer, Brooklyn, N. Y.
Logemann Bros. Co. (Cutting), Milwaukee, Wis.
Long & Allstatter Co. (Belt, Motor or Steam Driven), Hamilton, O.
Loyd, John Co., 558 Water, New York
Manville Bros. Co., Waterbury, Conn.
Manville, E. J. Machine Co. (Single & Double Acting), Waterbury, Conn.
Michigan Mfg. Co., Ypsilanti, Mich.
Miner & Peck Mfg. Co., New Haven, Conn.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Nilson, A. H. Machine Co., Bridgeport, Conn.
Ohls, Geo. A. & Co. (For Sheet Metal Workers), 157 Oraton, Newark, N. J.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perkins Machine Co. (Punching, Forging, Dial, etc.), Warren, Mass.
Perrin, Wm. R., & Co., 46th & Loomis, Chicago, Ill.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Richard Mfg. Co., Bloomsburg, Pa.
Robinson, J. M. Mfg. Co., Cincinnati, O.
Sheridan, T. W. & C. B. Co. (Cutting), 56 Duane, New York
Simpson Foundry Co., 28 Rodney, Brooklyn, N.Y
Slaysman & Co. (Can Makers', etc.), 718 E Pratt, Baltimore, Md.
Springfield Machine Tool Co., Springfield, Ohio
Standard Machinery Co., Providence, R. I.
Stimpson, Edwin B., Co. (Punching & Perforating), 31 Spruce, New York
Stoll, D. H. Co., Buffalo, N. Y.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Sutton, C. E. Co., Toledo, O.
Swaine, Fred J. Co. (Punching), 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. (Double Geared), Toledo, O.
Torrington Mfg. Co. (Single or Double Action Cam or Crank), Torrington, Conn.
V. & O. Press Co., Glendale Station, L. I., N. Y.
Walsh, H. C. H. Co (Inclinable Open Back), 2448 W Kinsie, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co. (Presses & Dies for Brass Goods), Waterbury, Conn.
Wheeler, Frank & Son, Meriden, Conn.
Wickes Bros., Saginaw, Mich.
Willard Machine & Tool Co., Cincinnati, O.
Woolley Foundry & Machine Co., Anderson, Ind.
Zeh & Hahnemann (Inclinable, Straight Sided, etc.), Vanderpool & Avenue A, Newark, N. J.

Presses (Printing)

(See Printing Presses & Machinery)

Presses (Printing & Embossing)

American Multigraph Sales Co. ("Gammeter Multigraph" for Printing Office Forms, Fac-Simile Letters, etc.), Case av. & Kelly, Cleveland, O.
Boston Printing Press & Machinery Co. (Embossing & Halftone Work), 176 Summer, Boston, Mass.
National Machine Co. (Cutting & Breasting), Hartford, Conn.

Presses (Pulley)

Bethlehem Steel Co., South Bethlehem, Pa.

Presses (Punch, Saw Teeth Cutting)

United States Rapid-Fire Gun & Power Co., Derby, Conn.

Presses (Punching)

(See Presses, Power)

Presses (Punching, Hand Power)

Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

Presses (Rail Straightening)

Alliance Machine Co., Alliance, O.
Hilles & Jones Co., Wilmington, Del.
United Engineering & Foundry Co., Farmers' Bank bldg., Pittsburg, Pa.

Presses (Reducing)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Leffler, Chas. & Co., 49 Clymer, Brooklyn.
Perkins Machine Co., Warren, Mass. N. Y.
Zeh & Hahnemann, Vanderpool & Av. A., Newark, N. J.

Presses (Riveting)

Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton, N. J.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Toledo Machine & Tool Co., Toledo, O.
Williams, White & Co. (Horizontal), Moline, Ill.

*Presses (Roll Feed)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Rotary)

Pittsburg Machine Tool Co. ("Curtis"), Pittsburg, Pa.

Presses (Screw)

American Can Co. ("Rudolphi & Krummel" Hand & Power), 135 Adams, Chicago, Ill.
American Process Co. (Automatic, Continuous), 62 William, New York
Bender, Ph. J. & Sons, 87 Frankfort, New York
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Boomer & Boschart Press Co. (Power), Syracuse, N. Y.
Burroughs, Chas. Co., Newark, N. J.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Cook, Thos. W. G., 4 Reade, New York
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Crompton & Knowles Loom Works, Worcester, Mass.

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Dennis, Jno. & Co. (For Hot Pressing), Lowell, Mass.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Ferracute Machine Co., Bridgeton N. J.
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Johnson, Israel H., Jr., Co., 337 N 15th, Philadelphia, Pa.
Keene, Geo. C. & Co., Cincinnati, O.
Lowell Machine Shop (Double Screw), Lowell, Mass.
Loyd, Jno. Co., 558 Water, New York
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Hand & Power), Warren, Mass.
Perrin, Wm. R., & Co. (For Abattoirs), 46th & Loomis, Chicago, Ill.
Philadelphia Drying Machinery Co. (Power), 6721 Germantown av, Phila., Pa.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa., & 120 Liberty, New York
Robinson, J. M. Mfg. Co., Cincinnati, O.
Sellers, Wm. & Co. (Inc.) (For Forcing Wheels, Pulleys, etc.), 1600 Hamilton, Phila., Pa.
Smith, Drum & Co. (Power), 2503 Coral, Phila., Pa.
Spence & Rideout, Nashua, N. H.
Standish, Albert, 120 W Spring, Columbus, O.
Stimpson, Edwin B., Co., 31 Spruce, New York
Swaine, F. J. Co. (Arch, etc.), St. Louis, Mo.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Presses (Seal)

Ashbury, Henry C., 16 Seneca, Buffalo, N. Y.
Crescent Seal & Stamp Co., Cambridge, O.
Handlan-Buck Mfg. Co. ("Handlan"), 212 N 3d, St. Louis, Mo.
MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)
Murdock, James, Jr., Co., 116 Longworth, Cincinnati, O.
Ness, George M., Jr., 61 Fulton, New York
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Parker, T. M., Hartford, Conn.
Schwerdtle Stamp Co. (All Kinds), Bridgeport, Conn.
Smith, R. H. Mfg. Co., Springfield, Mass.
Stewart & Holiman, 201 B'way, New York
Utica Drop Forge & Tool Co., Utica, N. Y.

Presses (Sewer Pipe)

(See Sewer Pipe Machinery)

Presses (Shaft Straightening)

Brightman Mfg. Co., Shelby, O.
Logemann Bros. Co. (Hydraulic), Milwaukee, Wis.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Presses (Shearing)

Alliance Machine Co., Alliance, O.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Buffalo Forge Co., Buffalo, N. Y.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whitcomb Mfg. Co., Worcester, Mass.
Williams, White & Co., Moline, Ill.

Presses (Sheet Metal Working)

(See also Sheet Metal Workers' Machines & Tools)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Consolidated Press & Tool Co., Hastings, Mich.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Zeh & Hahnemann, Vanderpool & Ave. A, Newark, N. J.

Presses (Shook)

Chase Turbine Mfg. Co. (Power Driven for Driving Together the Mortised Edges of Shooks on Boxes), Orange, Mass.

Presses (Signature)

Sheridan, T. W. & C. B. Co., 56 Duane, New York

Presses (Skein)

Williams, White & Co., Moline, Ill.

Presses (Soap Makers')

(See also Soap Makers' Machinery)

Hersey Mfg. Co., 314 W. 2d, Boston, Mass.
Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.

*Presses (Solder)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Presses (Sprue)

(See Cutters, Sprue, Foot & Power)

*Presses (Stagger Feed)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Stamping)

Baird Machine Co., Oakville, Conn.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Carver, C. R. Co., 15th & Lehigh av, Phila., Pa.
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hinze, H. (Book, Postal Card, etc.), Tribune bldg., New York
Logemann Bros. Co., Milwaukee, Wis.
Swaine, F. J. Co. (Sheet Metal), St. Louis, Mo.
Toledo Machine & Tool Co. (Sheet Metal), Toledo, Ohio
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann, Vanderpool & Ave. A, Newark, N. J.

*Presses (Starch)

ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)

Presses (Stationers' Stamping)

Mead, A. G. ("Mead" for Fine Illuminated Stamping), 364 Atlantic av., Boston, Mass.

Presses (Stearline)

PLATT IRON WORKS CO. (Hydraulic), Dayton, O. (See adv. index & branch offices, end of book)

*Presses (Stiles Punching)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Straightening)

Geier, P. A., Co. ("Geier" Bench Straightening Press & Centers), 5112 St. Clair av., N. E., Cleveland, O.
MORSE TWIST DRILL & MACHINE CO. (For Round or Flat Stock), New Bedford, Mass. (See adv. index, end of book)

Presses (Sugar Filtering)

(See Filters, Mechanical, in Sugar Machinery)

Presses (Ticket Printing)

Kidder Press Co., Dover, N. H.
Wrigley, Thos. Co ("Wrigley" Patent Local), 300 Dearborn, Chicago, Ill.

Presses (Tincture, Druggists')

Enterprise Mfg. Co., 3d & Dauphin, Phila, Pa.

Presses (Tire Welding)

(See Tire Welding Machines)

Presses (Tissue Paper Printing)

Kidder Press Co., Dover, N. H.

Presses (Tobacco)

Adams Tobacco Press Co., Quincy, Ill.
Ball, Mitchell & Co., Maysville, Ky.
Cutaway Harrow Co., Higganum, Conn.
Danbery Foundry Co. ("Parker" Portable), Ripley, O.
Grote Mfg. Co., Evansville, Ind.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Nagley Mfg. Co., Lyons, N. Y.
Talbott & Sons, Richmond, Va.

*Presses (Toggle Drawing)

(See also Presses, Drawing; also Presses, Power)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Treadle)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Slaysman & Co. (Can Makers'), 718 E Pratt, Baltimore Md.

Presses (Trimming)

Adriance Machine Works, 254 Van Brunt, Brooklyn, N. Y.
American Can Co., 135 Adams, Chicago, Ill.
Baird Machine Co., Oakville, Conn.
Billings & Spencer Co., Hartford, Conn.
Consolidated Press & Tool Co., Hastings, Mich.
Cook, Thos. W. G., 4 Reade, New York
Crane, W. W. Foundry & Machine Works, Auburn, N. Y.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hilles & Jones Co., Wilmington, Del.
MERRILL BROS., William st., Maspeth, Boro. of Queens, New York
Miner & Peck Mfg. Co., New Haven, Conn.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Perkins Machine Co. (For Drop Forging, etc.), Warren, Mass.
Stoll, D. H. Co., Buffalo, N. Y.
Toledo Machine & Tool Co. (Power), Toledo, O.
Waterbury Farrel Foundry & Machine Co. (Punching & Trimming), Waterbury, Conn.

Presses (Type Embossing)

Roovers Bros. ("Roovers," for Pattern Letter Plates, Tags, Labels, etc.), 100 Schermerhorn, Brooklyn, N. Y.

Presses (Veneer)

ADVANCE MACHINERY CO., Toledo, O (See adv. index, end of book)
American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Bentel & Margedant Co. (Hydrostatic), Hamilton, O.
Boomer & Boschert Press Co., Syracuse, N. Y.
Bushnell, G. H. Press Co., Thompsonville, Conn.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Fox Machine Co., Grand Rapids, Mich.
Francis, Chas. E. & Bro., Cincinnati, O.
HAMMACHER, SCHLEMMER & CO., 138 4th av, New York. (See adv. index, end of book)
Huntsville Foundry & Machine Works (Nehs & Jones, Props.), Huntsville, Ala.
Hydraulic Press Mfg. Co. (Hydraulic), Mount Gilead, O.
Kline, Lewis T., Alpena, Mich.
Smith, H. B. Machine Co., Smithville, N. J.
Towsley, John T. Mfg. Co., Cincinnati, O.

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Presses (Vulcanizing)

Clark, Edred W., Hartford, Conn.
ELMES, CHAS. F. ENGINEERING Works, c. Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
Watson Machine Co., Paterson, N. J.

Presses (Waste)

Pierce, Adams True ("True"), Dover, N. H.
STRONG MACHINERY & SUPPLY Co. ("Economy" & "Eclipse"), 48 Franklin, New York. (See adv. index, end of book)

*Presses (Watch & Clock Makers')

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Presses (Wheel)

(See Presses, Hydraulic Wheel)

Presses (Wine & Cider)

American Seeding Machine Co. (Cider Only), Main Office: Springfield, O. Works: Louisville, Ky.
Ames Plow Co., Quincy Hall, Boston.
Boomer & Boschert Press Co., Syracuse, N. Y.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Comstock, Geo. S. ("Triumph"), Mechanicsburg, Pa.
Donaldson Bros., Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Emeny, G. J., Fulton, N. Y.
Enterprise Mfg. Co. (Fruit, Wine & Jelly), 2d & Dauphin, Philadelphia, Pa.
Farquhar, A. B. Co., York, Pa.
Haish Mfg. Co., De Kalb, Ill.
Hench & Drumgold Co., York, Pa.
Hercules Lever Jack Co., Irvington, N. J.
Hocking Valley Mfg. Co., Lancaster, O.
Hydraulic Press Mfg. Co. (Hydraulic, etc.), Mt. Gilead, O.
Keystone Farm Machine Co., York, Pa.
Klotz Machine Co. ("Hero" Geared, Hand & Power), Sandusky, O.
Krogh Mfg. Co., San Francisco, Cal.
Lansing Wheelbarrow Co., Lansing, Mich.
Schriver, O. P. & Co. ("I. X. L."), 208 Elm, Cincinnati, O.
Thomas-Albright Co., Goshen, Ind.
White, R. W. & Bro., Norfolk, Va.
Whiteburst, R. W. Co., Norfolk, Va.
Whitman Agricultural Co., St. Louis, Mo.

Presses (Wiring)

(See Presses, Horning & Wiring)

Presses (Wood Printing)

(See Box Board Printing Machines)

Presses (Wood Pulp)

Boomer & Boschert Press Co., Syracuse, N. Y.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Scott, Olin, Bennington, Vt.
Trevor Mfg. Co., Lockport, N. Y.

Preventers (Smoke)

(See also Furnaces, Smokeless)

Automatic Smoke Preventer Fuel Economy Co., 1st Nat. Bank bldg., Cincinnati, O.
Climax Smoke Preventer Co. ("Climax"), Equitable bldg., Boston, Mass.

Prime Movers

(See Dynamo & Motor Mfrs.; Engines, Various Kinds; Generators, Various Kinds; Motors, Various Kinds; Turbines, Various Kinds; Windmills)

Printers' Wood Furniture

Hamilton Mfg. Co., Two Rivers, Wis.
New England Wood Type Co., Brookline,
Tubbs Mfg. Co., Ludington, Mich. N. H.

*Printing Inks

(See also Inks, Printing & Lithograph)

NAUMANN MFG. CO., Stamford, Conn., & 28 City Hall pl., New York. (See adv. index, end of book)

*Prin-to-Paque Tracing Inks

SOLTMANN, E. G.

(Inks, Black, White & Colors, All Colors Show in Blue Prints as well as Black Lines), 125 E 42d, New York. (See adv. index, end of book)

Prismatic Hoods (Electric Light)

Phila. Light & Equipment Co., Land Title bldg, Philadelphia, Pa.

Prismatic Lights

(See Glass, Prismatic)

Prison Cells

(See Jail & Cell Work, Steel)

Projectiles (Steel)

American & British Co., Providence, R. I., & Bridgeport, Conn.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Firth-Sterling Steel Co., McKeesport, Pa.
Johnson, Isaac & Co., Spuyten Duyvil, New York City, N. Y.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
PRESSED STEEL TANK CO. (Seamless Steel Shells), Milwaukee, Wis. (See adv. index, end of book)
Taylor Iron & Steel Co. (Armor Piercing), High Bridge, N. J.

Projectors or Search Lights

Benton, Thos. P. & Son, La Crosse, Wis.
Bogue, Chas. J., Electric Co., 515 W 29th, New York
Carlisle & Finch Co., Cincinnati, O.
Electric Motor & Equipment Co., 18 Beaver, Newark, N. J.
Fort Wayne Electric Works (Inc.), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Menchen, Jos. Electrical Co., 360 W 50th, New York
Rushmore Dynamo Works (Electric or Acetylene for Yachts, Locomotives & Automobiles), Plainfield, N. J.

Protectors (Book Corner)

Modern Mfg. Co., 543 N. Lawrence, Phila., Pa.

Protectors (Electric)

American Electric Fuse Co. ("Rolfe"). Muskegon, Mich.
Central Tel. & Electric Co., St. Louis, Mo.
Cook, Frank B., 240 W Lake, Chicago, Ill.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Helios Mfg. Co., Bridesburg, Phila., Pa.
Rolfe Electric Co., Rochester, N. Y.
Sterling Electric Co., Lafayette, Ind.
Trio Mfg. Co. ("Tornquist"), Rock Island, Ill.
United Indurated Fibre Co., Lockport, N. Y.

Protectors (Rail Bond)

Chase-Shawmut Co., Newburyport, Mass.

Protectors (Smoke)

Cover, H. S., 126 Perley, South Bend, Ind.

*Protectors (Stamp)

ACME STEEL GOODS CO. ("Acme" for Beer Kegs, etc.), 2834 Archer av., Chicago, Ill.; 147 Lafayette, New York, & Empire bldg., Atlanta, Ga. (See adv. index, end of book)

Protractors

Brown & Sharpe Mfg. Co. (Draughtsmen's), Providence, R. I.
Kelsey, D. J., New Haven, Conn.
Massachusetts Tool Co., Greenfield, Mass.
Neptune Mfg. Co., Needham, Mass.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO. (Bevel Draughtsman, etc.), Athol, Mass. (See adv. index & branch offices, end of book)

Pruners (Tree)

(See Shears, Pruning)

Publications (Trade)

Acetylene Journal, 324 Dearborn, Chicago, Ill.
American Architect, 239 W. 39th, New York
American Artisan, 355 Dearborn, Chicago, Ill.
American Blacksmith, Prudential bldg, Buffalo, N. Y.
American Carpenter & Builder, 237 5th av., Chicago, Ill.
American Contractor, 40 Dearborn, Chicago, Ill.
American Cotton Manufacturer, Charlotte, N C
American Dairyman, 105 Hudson, New York
American Druggist & Pharmaceutical Record, 62 W B'way, New York
AMERICAN EXPORTER, 135 William, New York. (See adv. index, end of book)
American Fertilizer, 1010 Arch st, Phila., Pa.
American Gas Light Journal, 42 Pine, New York
American Machinist, 505 Pearl, New York
American Made Goods Export Co., 17 State, New York
American Manufacturer, Textile, Charlotte, N. C.
American Pressman, 208 Olive, St. Louis, Mo.
American Sportsman, 21 Warren, New York
American Sugar Industry, 5 Wabash av, Chicago, Ill.
Architects & Builders' Magazine, 23 Warren, New York
Architectural Record, 11 E. 24th, New York
Architecture, 225 5th av, New York
Automobile Directories Co., 1717 B'way, New York
Automobile Magazine, 114 Liberty, New York
Automobile, The, 239 W 39th, New York
Barbers' Journal, 1135 Broadway, New York
Barrel & Box, 431 Main, Louisville, Ky.
Blacksmith & Wheelwright, 27 Park Place, New York
Boiler Maker, 17 Battery Place, New York
Brewers' Journal, 1 Hudson, New York
Brickbuilder, 85 Water, Boston, Mass.
Butchers' Advocate, 208 Broadway, New York
BUYERS' INDEX (For Export Trade), 154 Nassau, New York. (See adv. index, end of book)
Canadian Architect & Builder, Toronto, Montreal, Can
Canadian Manufacturer & Industrial World, Toronto, Montreal, Can.
Carpentry & Building, 14 Park pl, New York
CASSIERS' MAGAZINE, 12 W 31st, New York. (See adv. index, end of book)
Cement Age, 225 5th av., New York
Cement Era, 98 Jackson boul, Chicago, Ill., & 42 B'way, New York
Cement World, 241 5th av., Chicago, Ill.
Cement & Engineering News, 22 5th av., Chicago, Ill.
Clay Record, 303 Dearborn, Chicago, Ill.
Clay Worker, Indianapolis, Ind.
Coal, Arrott bldg, Pittsburg, Pa.
Cold Storage & Ice Trade Journal, 116 Nassau, New York
Commercial Record, 127 Federal, Boston, Mass.
Compressed Air, Easton, Pa.
Concrete, Detroit, Mich.
Concrete Age, Atlanta, Ga.
Concrete Construction (Monthly), Drexel bldg, Phila., Pa.
Concrete Engineering, Caxton bldg., Cleveland, Ohio
Confectioners & Bakers' Gazette, 125 Worth, New York
Construction News Co., Monadnock blk., Chicago, Ill.
Contract News, 13 Park row, New York
Contractor, 98 Jackson boul, Chicago, Ill.
Cotton, Equitable bldg, Atlanta, Ga.
Creditors' Mercantile Guide, 621 B'way, New York
Cycle & Automobile Journal, 1213 Filbert, Dixie, Atlanta, Ga. Philadelphia, Pa.
DOCKHAM'S TEXTILE DIRECTORY, 6 Beacon, Boston, Mass. (See adv. index, end of book)

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Domestic Engineering, 49 N. Jefferson, Chicago, Ill.
Dry Goods Economist, 239 W 39th, New York
El Comercio, 126 Liberty, New York
Electric Railway Journal, 239 W 39th, New York
Electrical Age, 45 W 42d, New York
Electrical Review, 15 Park Row, New York
Electrical World, 239 W 39th, New York
ENGINEERING-CONTRACTING, 355 Dearborn, Chicago, Ill. (See adv. index, end of book)
ENGINEERING MAGAZINE, 140 Nassau, New York. (See adv. index, end of book)
ENGINEERING NEWS, 220 B'way, New York. (See adv. index, end of book)
ENGINEERING RECORD, 239 W. 39th, New York. (See adv. index, end of book)
Engineering Review Co., 239 W 39th, New York
Engineering & Mining Journal, 505 Pearl, New York
Engineers' Review, Whitney bldg., Cleveland, Ohio
EXPORTADOR AMERICANO, 135 William, New York. (See adv. index, end of book)
Exporters & Importers' Journal, 17 State, New York
Farm Implement News, Masonic Temple, Chicago, Ill.
Farm Machinery, 506 Olive, St. Louis, Mo.
Fire & Water Engineering, 136 W 22nd, New York
Furniture Industry, Evansville, Ind.
Hardware Dealers' Magazine, 253 B'way, New York
Harness, 24 Murray, New York
Heating & Ventilating Magazine, 1123 B'way, New York
House Furnishing Economist, 2 Hudson, New York
House Furnishing Review, 59 Park pl, New York
Hub, 24 Murray, New York
Illuminating Engineering Publishing Co. (Technical), 36 W 29th, New York
Improvement Bulletin, Lumber Exchange, Minneapolis, Minn.
India Rubber World, 395 B'way, New York
Indice Para Compradores (Bradford Pub. Co.) (Spanish), 154 Nassau, New York
Industrial Magazine, 50 Church, New York
Insurance Engineering, 120 Liberty, New York
International Marine Engineering, Whitehall bldg, New York
International Typographical Journal, Indianapolis, Ind.
Iron Age, 14 Park pl, New York.
Iron Trade Review, Browning bldg., Cleveland, Ohio
Jewelers' Circular, 11 John, New York.
Lumberman (St. Louis), Fullerton bldg, St. Louis, Mo.
Lumber World, 21 Quincy, Chicago, Ill.
Machinery, 49 Lafayette, New York
MANUFACTURERS' RECORD, Merchants' Nat. Bank bldg., Baltimore, Md. (See adv. index, end of book)
Marine Engineering, 17 Battery pl, New York
Marine Review, Browning bldg, Cleveland, O.
Metal Worker, 14 Park pl, New York
Mines & Minerals, Scranton, Pa.
Mining & Scientific Press, San Francisco, Cal.
Modern Machinery, Security bldg, Chicago, Ill.
Monumental News, 324 Dearborn, Chicago, Ill.
Motor Age, 1200 Michigan av., Chicago, Ill.
Motor Boat, 1133 B'way, New York
Motor World, 154 Nassau, New York
Municipal Engineering, Indianapolis, Ind.
Municipal Journal & Engineer, 239 W. 39th, New York
NATIONAL CONTRACTOR & BUILDER, 301 N Charles, Baltimore, Md. (See adv. index, end of book)
Oil, Paint & Drug Reporter, 100 William, New York
PACIFIC BUILDER & ENGINEER, Pacific blk, Seattle, Wash. (See adv. index, end of book)
Packages, Montgomery bldg, Milwaukee, Wis.
Pharmaceutical Era, 90 William, New York
Plumbers' Trade Journal Pub. Co., 45 W. 34th, New York
Popular Mechanics, Journal bldg, Chicago, Ill.
Power, 505 Pearl, New York
Practical Engineer, 46 N 12th, Phila., Pa.
Progressive Age, 280 B'way, New York
Railway Age Gazette, 83 Fulton, New York
Railway Master Mechanics, Security bldg, Chicago, Ill.
Railway World, Witherspoon bldg, Phila., Pa.
Railway & Engineering Review, Manhattan bldg, Chicago, Ill.
Real Estate Record, 46 N 11th, Phila., Pa.
Record & Guide, 11 E. 24th, New York
Rock Products, 355 Dearborn, Chicago, Ill.
Rudder Publishing Co., 9 Murray, New York
Shoe & Leather Reporter, 183 Essex, Boston, Mass.
Southern Machinery, Prudential bldg, Atlanta, Ga.
Starchroom Laundry Journal, Blymyer bldg, Cincinnati, O.
"STONE," 123 Liberty, New York. (See adv. index, end of book)
Stove & Hardware Reporter, St. Louis, Mo.
Street Railway Journal, 239 W. 39th, New York
System, 151 Wabash av, Chicago, Ill.
Textile Manufacturers Journal, 377 B'way, New York
Technical World Magazine, 58th & Drexel, Chicago, Ill.
Telephony, Monadnock blk., Chicago, Ill.
Textile World Record, 299 Devonshire, Boston, Mass.
Trade Mark Record, 40 Exchange pl., New York
Tradesman Publishing Co., Chattanooga, Tenn.
Transit, Iowa City, Ia.
Waste Trade Journal, The, 136 Liberty, New York
Western Architect & Builder, Commercial Tribune bldg, Cincinnati, O.
Western Contractor, Kansas City, Mo.

Puller & Recorker

Arcade Mfg. Co. ("Phoenix," "Clipper," "Handy" & "Arcade"), Freeport, Ill.

Pullers (Beet)

Avery, B. T. & Sons ("Avery"), Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Deere & Co. ("Jno. Deere"), Moline, Ill.
Deere & Mansur Co. ("Deere"), Moline, Ill.
Donaldson Bros. ("Donaldson," "Valley"), Mt. Clemens, Mich.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Lehr Agricultural Co. ("Lehr"), Fremont, O.
Moline Plow Co. ("Moline"), Moline, Ill.
Morrison Mfg. Co., Fort Madison, Ia.
Ohio Cultivator Co. ("Famous Ohio"), Bellevue, O.
Parlin & Orendorff Co. ("Canton"), Canton, Ill.

Pullers (Car)

(See also Car Movers & Pushers)

Barnard & Leas Mfg. Co. ("Moline"), Moline, Ill.
Burrell Mfg. Co. (One-Shaft), 251 S. Jefferson, Chicago, Ill.
Caldwell, H. W. & Son Co. ("Caldwell" Standard & Self-Contained Safety), 17th & Western av., Chicago, Ill.
Dodge Mfg. Co. ("Safety"), Mishawaka, Ind.
Howe Scale Co., of Illinois, 1315 Wabash av, Chicago, Ill.
Link Belt Machinery Co., W 39th & Stewart, Chicago, Ill.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
Skillin & Richards Mfg. Co. (Improved), 147 Fulton, Chicago, Ill.

Pullers (Cork)

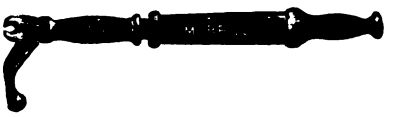
Arcade Mfg. Co. ("Champion," "Triumph" & "Standard"), Freeport, Ill.
Erie Specialty Co. ("Walker's" Self Pulling), Erie, Pa.
Locke, C. E. Mfg. Co. ("Quick As a Wink"), Kensett, Ia.

Pullers (Nail)

(See also Pullers, Tack; also Pullers, Staple)

Atwater Mfg. Co. ("Star"), Plantsville, Conn.
Belden Machine Co., New Haven, Conn.
Bonner, C. E., Mfg. Co. ("Victor" Pry Bar, Drop Forged), Chrisman, Ill.
Bridgeport Hardware Mfg. Co. ("Sure Grip," "Jumbo," "Rex"), Bridgeport, Conn.
Cedar Rapids Mfg. Co. ("Neverslip"). Cedar Rapids, Ia.
Chandrell Tool Co., Reading, Pa.
Denison Mfg. Co. ("Denison"), Warren, O.
Grammes, L. F., & Sons ("Bull Dog"). Allentown, Pa.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer Combined), Sedalia, Mo.
Miller's Falls Co. ("Pelican," "Miller's Falls"), 28 Warren, New York. Works, Miller's Falls, Mass.

MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)



MANUFACTURED BY

CHAS MORRILL, 277 Broadway, N. Y.

Nafew, Samuel ("Samson"), 385 B'way, New York
PAGE - STORMS DROP FORGE CO. ("Gem"), Chicopee, Mass. (See adv. index, end of book)
Sayre, L. A. Co., Newark, N. J.
Schatz Mfg. Co., Mappaqua, N. Y.
Scranton & Co., New Haven, Conn.
Smith & Hemenway Co. ("The Giant"), 108 Duane, New York
Snow & Petrelli Mfg. Co., New Haven, Conn.
Tower & Lyon Co. ("The Cyclops"), 85 Chambers, New York
Universal Tool Co. ("Milla's"), Springfield, Mass.
Winkley Co. ("Star"), Hartford, Conn.

Pullers (Onion)

Allen, S. L. & Co., Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Deere & Mansur Co., Moline, Ill.
Jelliff, C. O. Mfg. Corp., Southport, Conn.

Pullers (Piling)

Curtis & Co. Mfg. Co., St. Louis, Mo.

Pullers (Pinion)

(For Pulling Pinions from Armatures)

American General Engineering Co. ("A. G. E."), 253 B'way, New York
Columbia Machine Works & Malleable Iron Co. ("Columbia"), 269 Chestnut, Brooklyn, N. Y.

Pullers (Plank)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.

Pullers (Spike)

(See also Bars, Pinch)

Harvey, H. H., 608 Atlantic av., Boston, Mass.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Justice, Philip S. & Co. ("Justice" Railroad), 421 Chestnut, Phila., Pa.
MORRILL, CHAS. ("Pearson Cyclone" & "Morrill"), 277 B'way, New York. (See adv. above)
Pearson, Jack Co. (The "Mogul"), 64 Federal, Boston, Mass.
Pittsburg Tool & Drop Forge Co. ("Chesnick" for Use Between Guard Rails, etc.), Chesnick, Pa.
Solid Steel Tool & Forge Co. (2 or 3 Ball), Brackenridge, Pa.

Pullers (Staple)

Blood & Mead ("Blood"), Minneapolis, Minn.
Cheney, Henry Hammer Co., Little Falls, N. Y.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Osmundson Spade Mfg. Co. ("Buffalo"), Perry, Ia.
Schriver, O. P. & Co. ("I. X. L."), 208 Elm, Cincinnati, O.
Smith & Hemenway Co. ("The Giant"), 108 Duane, New York
Utica Drop Forge & Tool Co., Utica, N. Y.

Pullers (Stump)

Bennett, H. L. & Co. ("Bennett" Cable, "Bennett" Screw, "Bennett" Hand Power), Westerville, O.
Coward, R. S. ("Faultless"), Cresco, Ia.
Challenge Co. ("Cyclone"), Batavia, Ill.
Chamberlin Mfg. Co. ("Chamberlin"), Olean, N. Y.
Eclipse Hay Press Co. ("Eclipse"),
Edwards, C. D. ("Climax," "Jumbo," "Chief"), Albert Lea, Minn.

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Farquhar, A. B. Co. (Ltd.) ("Archimedean," Hand Power), York, Pa.
Hercules Mfg. Co. ("Hercules"), Centerville, Indiana
Foundry Co., Indiana, Pa. Ia.
Kansas City Hay Press Co. ("Lightning"), Kansas City, Mo.
Milne Mfg. Co. ("Hawkeye," "I. & L.," "Iron Giant," "Milne"), Monmouth, Ill.
Mohland & Co. ("Corbett," "Little Giant," "Pioneer" & "Hawkeye" Grubbing Machines), Burlington, Ia.
Monarch Grubber Mfg. Co. ("Monarch" Grubber), Lone Tree, Ia.
Niver Iron Works Co., Muscatine, Ia.
St. Albans Foundry & Implement Co. ("St. Albans"), St. Albans, Vt.
Scott Hay Press Co. ("O-K"), Kansas City, Mo.
Smith Mfg. Co. ("Defiance"), La Crosse, Wis.
Smith, W. Grubber Co. ("Smith"), La Crosse, Wis.
Sparta Iron Works Co. ("Sparta"), Sparta, Wis.
Swenson, Grubber Co. ("Swenson," Malleable Iron), Cresco, Ia.

Pullers (Tack)

Arcade Mfg. Co., Freeport, Ill.
Bridgeport Hardware Mfg. Co., 481 Iranistan av, Bridgeport, Conn.
Browne & Dowd Mfg. Co. ("Yankee"), Meriden, Conn.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Denison Mfg. Co. ("Denison"), Warren, O.
General Specialty Co. ("Bi-Ped"), 14 S. 4th, Hoague, J. H., Chicopee, Mass. Phila., Pa.
Rocky Hill Hardware Co. ("Samson" Polished Steel & Malleable Japanned, etc.), Rocky Hill, Conn.
Smith & Hemenway Co. ("The Giant"), 108 Duane, New York
Utica Drop Forge & Tool Co., Utica, N. Y.
Verona Tool Works (Spike, etc.), Verona, Pa., & Pittsburg, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

Pullers (Wire)

Dicke Tool Co. ("The Imperial"), Downers Grove, Ill.
Browne & Dowd Mfg. Co. ("Yankee"), Meriden, Conn.

Pulley Blocks (Differential Chain)

(See Blocks, Differential Chain)

Pulley Covering

Boston Woven Hose & Rubber Co. ("Milo" Stitched Canvas), Executive Office & Factory, Cambridgeport, Mass.
Fansher Bros. ("Anti-Slip" Pulley Dressing), Dayton, O.
Oak Leather Pulley Covering Co. (Oak Leather), 432 N 10th, Phila, Pa.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Shults Belting Co., 402 Barton, St. Louis, Mo.
Turner, J. S. Mfg. Co., Lowell, Mass.
Warren Co. (Inc.) ("Warren's"), 196 Orleans, Chicago, Ill.

*Pulleys (All Steel, Double Belt)

PENNSYLVANIA STEEL PULLEY CO. (Split & Solid), North Side, Pittsburgh, Pa. (See adv. index, end of book)

Pulleys (Anti-Friction, Dumb Waiter)

Stowell Mfg. & Foundry Co., South Milwaukee, Wis.

Pulleys (Arc Lamp)

Ajax Line Material Co. ("Universal"), 12 S Jefferson, Chicago, Ill.
Brady, T. H., New Britain, Conn.
Creaghead Engineering Co., Cincinnati, O.
Cutter, Geo. Co. ("Cutter's"), South Bend, Ind.
Electrical Construction Supply Co., Springfield,
Fletcher Mfg. Co., Dayton, O. Ohio
Fort Wayne Electric Works, Fort Wayne, Ind.
Morris, Elmer P. Co., 72 Trinity pl, New York

Pulleys (Awning or Tackle)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end
Laughlin, Thomas Co., Portland, Me. of book)
Marine Hardware & Equipment Co., South
Ney Mfg. Co., Canton, O. Portland, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Penna. Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Wilcox, Crittenden & Co., Middletown, Conn.

*Pulleys (Ball Bearing)

KNOWLTON, M. D. CO., Rochester, N. Y. (See adv. index & branch offices, end of book)

Pulleys (Bell Cord)

Brill, J. G. Co. (Also Register Cord), Phila., Pa.
Creamer, W. G. & Co., 96 John, New York

Pulleys (Cast Iron)

(See also Machinery, Power Transmitting)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Tool & Machine Co., 109 Beach, Bos-
Bates Machine Co., Joliet, Ill. ton, Mass.
Birmingham Iron Foundry, Derby, Conn.
Bond Foundry & Machine Co., Manheim, Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Buckeye Iron & Brass Works, Dayton, O.
Caldwell, H. W., & Son Co., 17th & Western Chicago, Ill.
CALDWELL, W. E. CO., Brook & D. Louisville, Ky. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Dayton Globe Iron Works Co., 833 S Ludlow,
Dodge Mfg. Co., Mishawaka, Ind. Dayton, O.
Eastern Machinery Co., New Haven, Conn.
Fales & Jenks Machine Co., Pawtucket, R. I.
Falls Rivet & Machine Co., Cuyahoga Falls,
Filer Stowell Co., Milwaukee, Wis. O.
Fischer Foundry & Machine Co., S 21st & Mary, Pittsburg, Pa.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Frick Co., Waynesboro, Pa.
Frost Mfg. Co., Galesburg, Ill.
Fulton Machine Co., Canal, Fulton, O.
Goldens' Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kans.
Greenwald, I. & E. Co., Cincinnati, O.
Henry Machine Works, 38 Fremont, San Fran-
Hess-Snyder Co., Massillon, O. cisco, Cal.
Hill Clutch Co., ft. 58th N W, Cleveland, O.
Holyoke Machine Co., Worcester, Mass., & Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Humphrey Machine Co., Keene, N. H.
Hunt, Rodney, Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., North Adams, Mass.
Jacobson Machine Mfg. Co. (Clutch), Warren, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones, W. A. Foundry & Machine Co. (Machine Moulded), 143 W North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Kaestner & Co. (Inc.), 241 S Jefferson, Chi-
Keasey Pulley Co., Toledo, O. cago, Ill.
Klotz Machine Co., Sandusky, O.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Cincinnati, Ohio
Leffel, Jas. & Co., Inc., Springfield, O.
Link Belt Co., 39th & Stewart, Chicago, Ill., & Nicetown, Phila., Pa.
Love Bros. (Inc.), Aurora, Ill.
McCaffrey, Jno. (Shaft), Lawrence, Mass.
Marseilles Mfg. Co., Marseilles, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Minster Machine Co., Minster, O.
Muir, Hugh, Co., 240 Chicago av, Chicago, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Plamondon, A. Mfg. Co., Chicago, Ill.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Porter Foundry & Machine Co., Pittsburg, Pa.
Portland Co., Portland, Me.
Risdon Iron & Locomotive Works, Steuart & Folsom, San Francisco, Cal.
St. Marys Machine Co. ("Likens Clutch"), St. Marys, O.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Skillin & Richards Mfg. Co., 147 Fulton, Chicago, Ill.
Smith, H. B. Machine Co., Smithville, N. J.
South Bend Pulley Co., South Bend, Ind.
Southern Engine Boiler Works (Inc.), Jackson, Tenn.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Standard Pulley Co., Cincinnati, O.
Standard Pulley & Foundry Co. (Machine, Moulded, etc.), 1228 Collins, St. Louis, Mo.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strait, H. N. Mfg. Co., Kansas City, Mo.
Toledo Foundry & Machine Co., Toledo, O.
Trump Mfg. Co., Springfield, Ohio.
Union Machine Co., Worcester, Mass.
Valley Iron Works, Williamsport, Pa.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E. North av., Chicago, Ill. (See adv. index, end of book)
White, Jno. A. Co., Dover, N. H.
Wickes Bros., Saginaw, Mich.
Wolf Co., Chambersburg, Pa.
Wood's, T. B., Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Pulleys (Ceiling)

American Foundry & Mfg. Co., St. Louis, Mo.
Automatic Damper Co. ("Star" Ball Bearing, with Adjustable Guards), Milwaukee, Wis.
Pennsylvania Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.

Pulleys (Clothes Line)

Browne & Dowd Mfg. Co., Meriden, Conn.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Metal Finishing Co., Union City, Conn.
Peck, Stow & Wilcox Co. ("Knot Passing"), Southington, Conn.

Pulleys (Cone)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
EVANS FRICTION CONE CO. (Countershaft Variable Speed), Newton Center, Mass. (See adv. index, end of book)
Hartford Machine Screw Co., Hartford, Conn.
Howard Iron Works, Buffalo, N. Y.
Kearsey Pulley Co., Toledo, O.
Lane Mfg. Co., Montpelier, Vt.
Osgood & Baker, Bellows Falls, Vt.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Woonsocket Machine & Press Co., Woonsocket, R. I.

*Pulleys ("Evans" Friction Cone)

EVANS FRICTION CONE CO. ("Evans" Power Drive), Newton Center, Mass. (See adv. index, end of book)

Pulleys (Flanged)

American Pulley Co. (Flanged, "American"), 29th & Bristol, Phila., Pa.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W., & Son Co., 17th & Western av, Chicago, Ill.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Falls Rivet & Machine Co., Cuyahoga Falls,
Howard Iron Works, Buffalo, N. Y. Ohio
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keasey Pulley Co., Toledo, O.

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MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co., Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.

Pulleys (Friction Clutch)

(See Clutches, Friction)

ALLIS-CHALMERS CO. ("A. C."), Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of
Barnard & Leas Mfg. Co., Moline, Ill. book)
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Brown & Sharpe Mfg. Co. (Self-Oiling), Providence, R. I.
Caldwell, H. W., & Son Co. ("Caldwell" Double Disc, etc.) Western av & 17th, Chicago, Ill.
Cowanesque Valley Iron Works ("Rieppell's"), Cowanesque, Pa.
Cresson, Geo. V. Co., Allegheny av, w of 17th, Phila., Pa.
Carruthers-Fithian Clutch Co., Grove City, Pa.
Diamond Iron Works ("Wilkinson"), Minneapolis, Minn.
Dodge Mfg. Co., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Exeter Machine Works, Pittston, Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Friction Pulley & Machine Works (Noiseless Success Screen), Sandy Hill, N. Y.
Garland, M. Co. (Clutch), Bay City, Mich.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co. (Solid & Split), ft 58th N W
Hess, Snyder Co., Masillon, O. Cleveland, O.
Howard Iron Works, Buffalo, N. Y.
Hoyt Mfg. Co. ("Munsing"), Minneapolis, Minn.
Hunt, Rodney Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., North Adams, Mass.
Hydraulic Press Mfg. Co., Mount Gilead, O.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones, W. A. Foundry & Machine Co., 143 W North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keasey Pulley Co., Toledo, O.
Kenyon, D. R. & Son, Raritan, N. J.
Kissinger & Son Co., Cincinnati, O.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Link Belt Co., W 39th, c Stewart av., Chicago, Ill., & 299 B'way, New York
Medart Patent Pulley Co., 3500 DeKalb av, St. Louis, Mo.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Minster Machine Co. ("Herken" for Gas Engines), Minster, O.
Moore & White Co., 15th & Lehigh av, Philadelphia, Pa.
New Era Gas Engine Co, Dayton, O.
New Haven Mfg. Co., New Haven, Conn.
Oesterlein Machine Co., Cincinnati, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Centre, New York
Plamondon, A. Mfg. Co., 57 S Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pusey & Jones Co., Wilmington, Del.
Sandy Hill Iron & Brass Works ("Hercules"), Sandy Hill, N. Y.
Sellers, Wm. Co., 1600 Hamilton, Phila., Pa.
Sinclair-Scott Co., Baltimore, Md.
Skillin & Richards Mfg. Co. ("Muir's"), 147 Fulton, New York
Sly, W. W., Mfg. Co., Cleveland, Ohio.
Standard Pulley Co. (Countershafts), Cincinnati, O.
Union Iron Works Co., San Francisco
Williams, Milton F. & Co., 2701 N B'way, St. Louis, Mo.
Wood's, T. B., Sons Co., Chambersburg, Pa.
Yocom, Jas. & Son, 145 N 2d, Phila., Pa.

Pulleys (Grooved)

Boston Gear Works (Brass & Cast Iron), Norfolk Downs, Mass.

Pulleys (Guide)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv index, end of book)
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Hunter, Jas, Machine Co., North Adams, Mass.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keasey Pulley, Co., Toledo, O.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Toledo Foundry & Machine Co., Toledo, O.

Pulleys (Hay Fork)

American Foundry & Mfg. Co., St. Louis, Mo.
American Seeding Machine Co. ("Superior"), Springfield, O.
Cheney, S. & Son (Scoville's), Manlius, N. Y.
Cleveland Block Co., 163 River, Cleveland, O.
Dissinger, C. H. A. & Bro. (Safety Clutch), Wrightsville, Pa.
Eagle Mfg. Co., Appleton, Wis.
Goshen Mfg. Co., Goshen, Ind.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hunt, Helm, Ferris & Co. ("Star," "O. K." "Peerless"), Harvard, Ill.
Kupferle, Jno. C. (Iron & Wood), c 2d & Mound.
Lawrence Bros., Sterling, Ill. St. Louis, Mo.
Louden Machinery Co. ("Louden"), Fairfield,
Mason, F. C. & Co., St. Johns, Mich. Ia.
Milwaukee Hay Tool Co. ("Milwaukee"), Milwaukee, Wis.
Myers, F. E., & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Ney, V. L., Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Porter, J. E. Co. ("Porter," "Self-Locking Sling," "Sling-Binding"), Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Ricker Mfg. Co., Rochester, N. Y.
St. Marys Machine Co. (Clutch), St. Marys, O.
Stowell Mfg. & Foundry Co. ("Stowell," Anti-Friction & Common), South Milwaukee, Wis.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Susquehanna Casting Co., Wrightsville, Pa.
Swineford, G. A., Co., Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
U. S. Wind Engine & Pump Co. ("U. S."), Batavia, Ill.
Weller Hardware & Foundry Co., Horseheads, N. Y.
WHITMAN & BARNES MFG. CO. (Hay, Sling, etc.), Chicago, Ill. See adv. index & branch offices, end of book)
Wrightsville Hardware Co., Wrightsville, Pa.

Pulleys (Iron Split)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co. (Finished), 17th & Western ave, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.
Howard Iron Works, Buffalo, N. Y.
Keasey Pulley Co., Toledo, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINEry Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Baltimore, Md.
Salem Foundry & Machine Works, Salem, Va.
Standard Pulley Co., Cincinnati, O.
Valley Iron Works, Williamsport, Pa.

Pulleys (Loose)

AMERICAN WELL WORKS (also Tight), Aurora, Ill. (See adv. index & branch offices, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Keasey Pulley Co., Toledo, O.
McCaffrey, John, Lawrence, Mass.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nordyke & Marmon Co. (Also Tight), Indianapolis, Ind.
NORTH AMERICAN METALINE CO. (Oilless Bearing), 4 West av., Long Island City, N. Y. (See adv. index, end of book)
Valley Iron Works, Williamsport, Pa.
Wilmarth & Morman Co. ("Nelson"), Grand Rapids, Mich.

Pulleys (Machine Moulded)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.



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Howard Iron Works, Buffalo, N. Y.
Jones, W. A. Foundry & Machine Co., 142 W North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keasey Pulley Co., Toledo, O.
McLagon Foundry Co., New Haven, Conn.
Standard Pulley Co., Cincinnati, O.
Standard Pulley & Fdy. Co., St. Louis, Mo.

Pulleys (Paper)

Rockwood Mfg. Co., 1810 English av, Indianapolis, Ind.

Pulleys (Pressed Steel)

American Pulley Co. (Split), 29th & Bristol, Phila, Pa.
Detroit Steel Pulley Co., Detroit, Mich. (Split)
Oneida Steel Pulley Co. (Split), Oneida, N. Y.
PATTERSON, GOTTFRIED & HUNTer (Ltd.), 112 Centre, New York
PENNSYLVANIA STEEL PULLEY CO. ("Keystone"), North Side, Pittsburgh, Pa. (See adv. index, end of book)
Philips Pressed Steel Pulley Works ("Philips"), 4th & Glenwood av, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
STRONG, CARLISLE & HAMMOND Co. ("American"), 336-344 Frankfort av, N. W., Cleveland, O. (See adv. index, end of book)

Pulleys (Pressed Steel Split)

American Pulley Co., 29th, c. Bristol, Phila., Pa.
PENNSYLVANIA STEEL PULLEY CO. ("Keystone"), North Side, Pittsburgh, Pa. (See adv. index, end of book)
Oneida Steel Pulley Co., Oneida, N. Y.

Pulleys (Screw)

Judd, H. L., Co., 87 Chambers, New York.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Pennsylvania Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Stover Mfg. Co., Freeport, Ill.

Pulleys (Self-Oiling)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Cowdrey, C. H. Machine Works, Fitchburg, Mass.
Howard Iron Works, Buffalo, N. Y.
Luther, B. G. & Co., Worcester, Mass.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

*Pulleys (Shade & Screw)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book.)

Pulleys (Show Case)

Gardner Sash Balance Co. (Ball Bearing), 164 Dearborn, Chicago, Ill.
GRANT PULLEY & HARDWARE Co., 3 W 29th, New York

*Pulleys (Small)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Pulleys (Speed Changing)

(See also Variable Speed Transmission)

Speed Changing Pulley Co., Anderson, Ind.
Variable Speed Clutch Co., Milwaukee, Wis.

*Pulleys (Steel Split)

PENNSYLVANIA STEEL PULLEY CO. ("Keystone"), North Side, Pittsburgh, Pa. (See adv. index, end of book)

Pulleys (Wire Tightening)

Smith, Otis A. (Pulley & Eccentric Clamp Attached for Wire Fence & Telephone Wire, etc.), Rockfall, Conn.

Pulleys (Wood Rim)

Dodge Mfg. Co., Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Keasey Pulley Co., Toledo, O.
Oneida Steel Pulley Co. (Steel Centre), Oneida, N. Y.
Reeves Pulley Co. ("Reeves" Iron Spider), Columbus, Ind.

Pulleys (Wood Split)

Barnard Mfg. Co., Spokane, Wash.
Barnard & Leas Mfg. Co. ("Cornwall-Barnard"), Moline, Ill.
Bradford Belting Co. ("Monarch"), Cincinnati, Ohio
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabeth, N. J. (See adv. index, end of book)
Case Mfg. Co., Columbus, O.
Ubase Pulley Co. (Wood Rim, with Iron Hubs & Arms), Providence, R. I.
Detroit Wood Pulley Co., Detroit, Mich.
Dodge Mfg. Co. ("Independence"), Mishawaka, Ind.
DONEGAN & SWIFT ("Swift's Hold Fast" with Iron Center), 6 Murray, New York. (See adv. index, end of book)
Eclipse Wood Pulley Co., Berlin, Pa.
Erie Clutch & Pulley Co. ("Tornado"), Erie, Pa.
Forster Pulley Works ("Forster," also Estes, Combination Split Pulleys), Cuba, N. Y.
Keasey Pulley Co. ("Reliance," "Keasey" Malleable Iron Centre), Toledo, O.
Menasha Wood Split Pulley Co., Menasha, Wis.
Ohio Pulley Co. ("Buckeye"), Marion, O.
Ohio Valley Pulley Works (The Limestone), Maysville, Ky.
Oneida Steel Pulley Co. ("The Fulton"), Oneida, N. Y.
PATTERSON, GOTTFRIED & HUNTer (Ltd.), 112 Centre, New York
Paul Mfg. Co., Fort Wayne, Ind.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Reading Wood Pulley Co. (Wood Rim & Wood Centre & Wood Rim & Iron Centre), Reading, Pa.
Reeves Pulley Co., Columbus, Ind.
Saginaw Mfg. Co. ("Gilbert"), Saginaw, Mich.
South Bend Pulley Co., South Bend, Ind.
STRONG, CARLISLE & HAMMOND Co. ("Reeves"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Washington Pulley & Mfg. Co. ("Washington" Split Clevis & "Pacific" Split Compression), Seattle, Wash.
Wing, J. T. & Co. ("Detroit"), 19 Woodward av., Detroit, Mich.

Pulleys (Wrought Steel)

American Pulley Co. ("American" Whole Steel), 29th & Bristol, Phila., Pa.
Caldwell, H. W., & Son, Co. (Split), 17th & Western av., Chicago, Ill.
Medart Patent Pulley Co. (Wrought Rim), 3500 De Kalb, St. Louis, Mo.
Meese & Gottfried Co. (Wrought Rim), 167 Fremont, San Francisco, Cal.
Oneida Steel Pulley Co. (Pressed Steel), Oneida, N. Y.
PATTERSON, GOTTFRIED & HUNTer (Ltd.), 112 Centre, New York
STRONG, CARLISLE & HAMMOND Co. ("American"), 336-344 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

*Pulleys & Stands (Band Saw)

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Pulls (Bell)

Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Yale & Towne Mfg. Co., 9 Murray, New York.

Pulls (Closet)

BERNZ, OTTO (Ivory, Amber, Metal & Wood), S. 13th & S. Orange av., Newark, N. J. (See adv. index, end of book)
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Emery, Wm. S. (Wood), 78 Cliff, New York
Ireland & Matthews Mfg. Co. (Metal), Detroit, Mich.
Lipp, Louis Co., Mitchell av & B. & O. S. W. R R, Cincinnati, O.
Maddock, John & Sons (Porcelain), Trenton, N. J.
Maddock, Thos. Sons Co. (Porcelain), Trenton, N. J.
Mott, J. L., Iron Works (Porcelain), 118 5th av., N. Y.
Mueller, H. Mfg. Co. (Wood), Decatur, Ill.
Smith & Egge Mfg. Co. (Wood), Bridgeport, Conn.
Storts, John & Son, 210 Vine, Phila., Pa.
Trenton Potteries Co. (Porcelain), Trenton, N.J.
Union Brass & Metal Mfg. Co. (Wood), St. Paul, Minn.
Warner, A. H. & Co. (Water Closet), Bristol, Conn.
Williams & Marvin Mfg. Co. (Wood), Deep River, Conn.
Young, Jos. H., Boston, Mass.

Pulls (Door)

Arcade Mfg. Co., Freeport, Ill.
Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Chicago Spring Butt Co., 54 Union Park Pl., Chicago, Ill.
Columbian Hardware Co. ("Columbian" & "Gem"), Cleveland, O., & 168 Church, New York
Cronk & Carrier Mfg. Co. (Barn), Elmira, N. Y.
Corbin, P. & F., New Britain, Conn.
Kohler, F. E., & Co. (Steel), Canton, O.
Mallory-Wheeler Co., New Haven, Conn.
National Supply Co., Baltimore, Md.
Norwalk Lock Co., South Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Peters, Jas. & Son (Wrought Iron), 1934 N. Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.; 96 Lafayette, New York
Shelby Spring Hinge Co. (Steel), Shelby, O.
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co., Freeport, Ill.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Brass Mfg. Works (Cast Brass or Bronze), 21st & Rockwell, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Yale & Towne Mfg. Co., 9 Murray, New York.

Pulls (Drawer)

American Ring Co., Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Champion Safety Lock Co., Geneva, O.
Corbin Cabinet Lock Co., New Britain, Conn.
Foster, Merriam & Co., Meriden, Conn.
Griffin Mfg. Co., Erie, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass
Hardware & Woodenware Mfg. Co., 693 B'way, New York
National Novelty Corp., 826 B'way, New York
Penn Hardware Co., Reading, Pa.
Piqua Handle & Mfg. Co. (Wooden), Piqua, O.
Reading Hardware Co., Reading, Pa.
Rowe, Henry, Mfg. Co., Newaygo, Mich.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Shelby Spring Hinge Co. (Steel, Bronze or Brass Metal, Polished), Shelby, O.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co., Freeport, Ill.
WOELKNER & HARRY MANUFACTURing Co. (Polished Brass), 125 Woodbridge W., Detroit, Mich. (See adv. index, end of book)
Western Brass Mfg. Works (Cast Brass or Bronze), 21st & Rockwell, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Pulls (Screen Door)

Brooks, M. S. & Sons (Also Ring Shade Pulls), Chester, Conn.
Hunt, Helen, Ferris & Co. ("Star," "Handy"), Harvard, Ill.
Kohler, F. E. & Co., Canton, O.
Stover Mfg. Co., Freeport, Ill.
Troy Nickel Works (John E. Gaitley, Prop'r.) ("Alaska"), Albany, N. Y.

Pulp (Asbestine)

International Pulp Co., Times bldg, New York

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Pulpit & Altar Rails

Disbrow, M. A. & Co. (Wholesale Mfrs.), Lyons, Ia.
Hyde-Murphy Co., Ridgway, Pa.
McMillen, R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)

Pulverizers

(See Crushers, various kinds; also Pulverizing Machinery; also Mills, Grinding)

Pulverizers (Cement)

(See also Cement Machinery)

American Pulverized Co., St. Louis, Mo.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Pulverizers (Clay)

(See also Crushers, Clay)

American Pulverized Co., St. Louis, Mo.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

*Pulverizers (Coal)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Pulverizers (Stone)

American Pulverizer Co., St. Louis, Mo.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Pumice Brick

DOGGETT, STANLEY (Purified), 101 Beekman, New York. (See adv. index, end of book)
HARRISON SUPPLY CO. (Purified), 5 & 7 Dorchester av, Extension, Boston, Mass. (See adv. index, end of book)
Rhodes, James H. & Co. ("Rhodes" Bimsstein Fabrik), 117 Kinzie, Chicago, Ill.

Pumice Stone Importers

Behr, Herman & Co., 75 Beekman, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Hammill & Gillespie, 240 Front, New York.
Hanson & Van Winkle Co., Newark, N. J.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
HARRISON SUPPLY CO. (Selected Lump), 5 & 7 Dorchester av. Extension, Boston, Mass. (See adv. index, end of book)
Rhodes, Jas. H., & Co. (Grinders of Italian), 117 Kinzie, Chicago, Ill.
Van Amringe, Theo., 241 Water, New York
Waddell & Co., 52 Beekman, New York
Wiarda, Jno. C., & Co., Brooklyn, N. Y.

*Pump Logs

WYCKOFF, A. & SON CO., Elmira, N. Y. (See adv. index, end of book)

Pump Starters (Automatic)

(See Self Starters)

Pumping Machinery

(See, Machinery, Pumping; also Pumps, Various Kinds)

*Pumping Outfits for Oil, Gas & Water Wells

OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
TATE, JONES & CO. (Inc.), Empire bldg, Pittsburg, Pa. (See adv. index, end of book.)

Pumping Outfits (Horse Power)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Appleton Mfg. Co., Batavia, Ill.
Challenge Co., Batavia, Ill.
DEMING CO., Salem, O. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E., & Bro., Ashland, O.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
St. Joseph Pump & Mfg. Co., St. Joseph, Mo.
U. S. Wind Engine & Pump Co., Batavia, N. Y.

Pumping Outfits (Odorless)

Edson Mfg. Co., 257 Atlantic av., Boston, Mass.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Noble, H. A. ("National" & "The Improved"), 208 Dock, Phila., Pa.

Pumps (Acid)

Advance Pump & Compressor Co., Battle Creek, Mich.
Bellows Falls Machine Co. (For Mills), Bellows Falls, Vt.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Works, ft of E 23rd, New York
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
Union Steam Pump Co., Battle Creek, Mich.
WAGENER STEAM PUMP WORKS, Canton, Ohio. (See adv. index, end of book)
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.

Pumps (Air)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Steam Pump Co., Battle Creek, Mich.
Asbell, S. J. Co. (Hand), Paterson, N. J.
Auburn Auto Pump Co. (Hand Air Pumps for Drawing Liquids), Auburn, N. Y.
Bishop & Babcock Co. (Hand), Cleveland, O.
Blakeslee Mfg. Co., Du Quoin, Ill.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York. Works: E. Cambridge, Mass. (See adv. index & branch offices, end of book)
Brunner Mfg. C. ("Parker"), Utica, N. Y.
Buffalo Steam Pump Co. (Hand Circulating), Buffalo, N. Y.
Button & Johnson, Cleveland, O.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Carron, A. M. & Co. (Small, Electric), 220 Penn av., Pittsburg, Pa.
CLAYTON AIR COMPRESSOR W'KS ("Brewers"), 115 B'way, New York. (See adv. index & branch offices, end of book)
Columbus Steam Pump Works, Columbus, O.
Comstock, A. S. (Motor Driven), Evanston, Ill.
Crowell, Gilmer ("Crowell" Rotary), 296 Taaffe pl., Brooklyn, N. Y.
Davidson, M. T. (Single & Twin Cylinder, etc.), 43 Keap, Brooklyn, N. Y.
Dean Bros.' Steam Pump W'ks (Twin Cylinder), Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn.; 83 John, New York
Dow, Geo. E. Pumping Co., 179 1st, San Francisco, Cal.
Economic Power & Pump Co., 84 Cortlandt, New York
Filer & Stowell Co., Milwaukee, Wis.
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Garratt, W. T. & Co., San Francisco, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Harris Air Pump Co., Indianapolis, Ind.
Humphryes Mfg. Co. (Automatic), Mansfield, Ohio
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO. (Brewers'), 115 B'way, New York. Works, Cincinnati, O. (See adv. index & branch offices, end of book)
McKenna Bros. Brass Co. (Brass), 1st av. & Ross, Pittsburg, Pa.
Manistee Iron Works, Manistee, Mich.
Mason Regulator Co., Boston, Mass.
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.
N. Y. Air Brake Co., 165 B'way, New York
Ohio Pump & Brass Co. ("Triumph," Physicians' & Surgeons' Hydraulic), 18th & Oak, Pattin Bros. Co., Marietta, O. Columbus, O.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M. Steam Pump Co., West Allis, Wis.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Strater, Herman & Sons (Beer), 74 Sudbury, Boston, Mass.
Union Iron Works Co. (And Condenser), San Francisco, Cal.
Union Steam Pump Co. (Direct Acting), Battle Creek, Mich.
Warren Steam Pump Co. (And Condenser) Warren, Mass.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.
WESTINGHOUSE MACHINE CO. (Leblanc Turbine Type), Westinghouse bldg., Pittsburg, Pa. (See adv. index, end of book)
Wheeler, C. H. Mfg. Co. ("Mullan" Steam Valveless, Single, Duplex & Triple), Philadelphia, Pa.
Wheeler Condenser & Engineering Co. ("Edwards," for Marine Engines), Carteret, N. J.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Air Chamber)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
Wilder, Sidney & Co., Holliston, Mass.

Pumps (Air Lift)

American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
CLAYTON AIR COMPRESSOR W'KS 115 B'way, New York. (See adv. index & branch offices, end of book)
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
Harris Air Pump Co., Indianapolis, Ind.
Hudson Engineering Co., 90 West, New York
Indiana Air Pump Co., Indianapolis, Ind.
INGERSOLL-RAND CO. ("Pohle" & "Saunders"), 11 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Air, Tire)

Auburn Auto Pump Co., Auburn, N. Y.
Auto Pump Co. ("Spencer"), Springville, N. Y.
Beckley-Ralston Co., 178 Lake, Chicago, Ill.
Bishop & Babcock Co., Cleveland, O.
Braunsdorf-Muller Co. (Bicycle), Rochester, N. Y.
Bride, Wm. J., & Co. ("Austin"), Boston, Mass.
Bridgeport Brass Co. ("Demo"), 392 Fifth Ave., New York
Cleveland Faucet Co. ("Champion"), 17 Pearl, Comfort, Cleveland, O.

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Eberman Auto Appliance Co. ("Eberman" Auto-Power Tire Pump), 98 Jackson boul., Chicago, Ill.
Frost Mfg. Co. ("Forcair"), Kenosha, Wis.
Garage Equipment Co. ("Dash"), 12 31st, Milwaukee, Wis.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Globe Brass Co., 13 Macomb, Detroit, Mich.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Heath-Quimby Co., Minneapolis, Minn.
Imperial Brass Mfg. Co. ("Imperial-Wixon"), 242 S Jefferson, Chicago, Ill.
Ingersoll, Robt. H., & Bro. (Bicycle), 45 John, New York
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kellogg Mfg. Co., Rochester, N. Y.
Motor Car Specialty Co. ("Lea"), Trenton, N. J.
Motor Car Supply Co. ("Windejammer"), 1427 Michigan av, Chicago, Ill.
Noera Mfg. Co., Waterbury, Conn.
Nyberg Auto Works ("Tom"), 30th & Michigan av, Chicago, Ill.
Post & Lester Co., 20 Sargent, Hartford, Conn.
Rohrbacher Automatic Air Pump Co. (Automatic), 1231 Michigan av, Chicago, Ill.
Rome Bicycle Mfg. Co. (Bicycle), Rome, N. Y.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scovill Mfg. Co. (Bicycle), Waterbury, Conn.
Skinner & Skinner ("Skinner"), 4133 Indiana av, Chicago, Ill.
Smith, D. B. & Co. (Bicycle), Utica, N. Y.
Standard Sheet Metal Co., Passaic, N. J.
Stevens & Co. ("Ultra"), 99 Chambers, New York
Thomas, W. K., 1876 B'way, New York
Turner Brass Works ("Turner"), Sycamore, Ill.
Union Steam Pump Co. (Air Feed), Battle Creek, Mich.
Upton Motor Co., Lebanon, Pa.
Waterbury Mfg. Co., Waterbury, Conn.

Pumps (Ammonia)

(See Pumps, Steam)

Advance Pump & Compressor Co., Battle Creek, Mich.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S., Steam Pump Works, foot E. 23d, New York
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
Gas Machinery Co., Cleveland, O.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Guild & Garrison, Kent ave. & S. 10th, Brooklyn, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
WAGENER STEAM PUMP WORKS, Canton, Ohio. (See adv index, end of book)

Pumps (Artesian Well)

American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Cook, A. D., Lawrenceburg, Ind.
Cook-Well Co., St. Louis, Mo.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson, M. T. (Horizontal & Vertical), 43 Keap, Brooklyn, N. Y.
DEMING & CO., Salem, O. (See adv. index, end of book)
Epping-Carpenter Co. (Direct Acting), Pittsburg, Pa.
FAIRBANKS, MORSE & CO. (Gas, Gasoline & Oil), Wabash av. & Eldredge pl., Chicago, Ill. (See index & branch offices, end of book)
Flint & Walling Mfg. Co., Kendallville, Ind.
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Luitwieler Pumping Engine Co. ("Non-Pulsating Balanced"), Rochester, N. Y.
Myers, F. E. & Bro., Ashland, O.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Weinman Machine Works, Columbus, O.

Pumps (Automatic)

Advance Pump & Compressor Co., Battle Creek, Mich.
AMERICAN WELL WORKS ("Chapman" Water Intake to Drain Mines, Quarries, etc., for Shallow or High Lift), Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO. (Automatic Pumps & Receivers), 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co. (Automatic Pumps & Receivers), Fitchburg, Mass.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Works, ft E 23d, New York
DEANE STEAM PUMP CO., (Automatic Feed Pumps & Receivers), 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS (Automatic Pumps & Receivers), 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
PLATT IRON WORKS CO. (Automatic Pump & Receiver), Dayton, O. (See adv. index & branch offices, end of book)
Quimby, Wm. E. (Inc.), 3 W 29th, New York
SNOW STEAM PUMP W'KS (Automatic Feed Pumps & Receivers), 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Weinman Machine Works, Columbus, O.
WORTHINGTON, HENRY R. (Automatic Feed Pumps & Receivers), 115 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Automobile)

(See also Pumps, Air, Tire; also Pumps, Circulating)

Auburn Auto Pump Co. ("Ultra Compound"), Auburn, N. Y.
DEMING CO., Salem, O. (See adv. index, end of book)
GOULDS MFG. CO. (Tire & Tank), Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO. (Hand, Oil & Air), General Offices & Work: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Noera Mfg. Co., Waterbury, Conn.
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Standard Sheet Metal Co., Passaic, N. J.
Turner Brass Works ("Turner" Bilge, Pressure, etc.), Sycamore, Ill.
Union Steam Pump Co. (Air Feed), Battle Creek, Mich.
Victor Elastic Co. (Tire), 61 Market, Chicago, Ill.

*Pumps (Ballast)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Pumps (Barrel)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO. (Tin), 239 Lake, Chicago, Ill. (See adv. index, end of book)

Pumps (Belt-Driven)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Works, ft. of E 23d, New York
Carbondale Machine Co., Carbondale, Pa.
DEMING CO., Salem, O. (See adv. index, end of book)
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO, Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland O.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Van Wie Pump Co., Syracuse, N. Y.
Weinman Machine Works, Columbus, O.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Pumps (Bicycle)

(See Pumps, Air Tire)

Pumps (Bilge)

Blakeslee Mfg. Co. (Inc.), Du Quoin, Ill.
ABENDROTH & ROOT MFG. CO. (Spiral Riveted), Newburgh, N. Y. (See adv. index & branch offices, end of book)
Abendroth & Stein (Inc.), Spiral or Straight Riveted), 39 Cortlandt, New York
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S., Steam Pump Works, foot E. 23d, New York
Durkee, C. B. & Co. ("Wurk-E-Z-E"), 3 South, New York
Edson Mfg. Co., 255 Atlantic av, Boston, Mass.
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO, Wabash av & Eldredge, pl, Chicago, Ill. (See adv. index, & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lobee Pump & Machinery Co., 127 Terrace, Buffalo, N. Y.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

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National Mfg. Co. ("Johnson"), Worcester, Mass.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Rumsey & Co. (Ltd.) (Ships, Main & Bilge), Seneca Falls, N. Y.
Sands, Alfred B. & Son Co., 242 Water, New York
THOMAS & SMITH (Inc.), ("Economy" Electric), 17 S Carpenter, Chicago, Ill. & 288 Hudson, New York. (See adv. index, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Wood, R. D. & Co., 400 Chestnut, Phila, Pa

Pumps (Boiler Feed)

Advance Pump & Compressor Co., Battle Creek, Mich.
Aetna Foundry & Machine Co., Springfield, Ill.
American Steam Pump Co. ("Marsh"), Battle Creek, Mich.
Baragwanath, Wm. & Son, 52 W. Division, Chicago, Ill.
Berry Engineering Co. ("Berry"), Chester, Pa.
Bishop, Wm. Sons (Brass & Copper), 205 South, New York.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co. ("Duplex"), Fitchburg, Mass.
Blakeslee Mfg. Co. (Inc.), Du Quoin, Ill.
Boyts, Porter & Co. (Special), Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson, Cleveland, O.
Cameron, A. S. Steam Pump Works, ft. E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
CARLIN'S, THOS. SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)
Clot & Christ Machine Co., 137 Beale, San Francisco, Cal.
Columbus Steam Pump Works, Columbus, O.
Crawford & McCrimmon Co., Brazil, Ind.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Davis, I. B. & Son, Hartford, Conn.
Dayton Hydraulic Machinery Co. ("Dayton"), Dayton, O.
Dean Bros.' Steam Pump Works, Indianapolis Ind.
DEMING CO. (Hand and Power), Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Elgin Mfg. Co. ("Elgin" Geared), Elgin, Ill.
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO, Wabash av & Eldridge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Great Lakes Engineering Works, Detroit, Mich.
Hall Steam Pump Co., Pittsburg, Pa.
Heisler Mfg. Co., St. Marys, O.
Hill Machine Co., Anderson, Ind.
Jeansville Iron Works Co., Jeansville, Pa.
Kelley, Benj. F. & Son (Economical Boiler & Tank Feed Pumps), 26 Cortlandt, New York
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Kruger & Blind Co., 511 Master, Phila., Pa.
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati. O. (See adv. index & branch offices, end of book)
Lucas, C. O. & Co., Greenville, O.
McGowan, Jno. H. Co., Cincinnati, O.
Manistee Iron Works Co., Manistee, Mich.
Marion Machine & Tool Co., Marion, Ind.
Mason Regulator Co., Boston, Mass.
MINNEAPOLIS STEEL & MACHINery Co. (Belt Driven or Geared), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moline Pump Co. (Hand), Moline, Ill.
Myers, F. E. & Bro., Ashland, O.
Nason Mfg. Co., 71 Beekman, New York
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
Noye Mfg. Co. (Run by Belt), 50 Lakeview av, Buffalo, N. Y.
Pattin Bros Co., Marietta, O.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO. (Either Single, Duplex, Compound, Triplex or Fly Wheel), Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred. M., Steam Pump Co., West
Roberts, G. J. Co., Dayton, O. Allis, Wis.
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scranton Steam Pump Co., Scranton, Pa.
Sherwood Mfg. Co. (Hand), Buffalo, N. Y.
Smeallie Bros., Amsterdam, N. Y.
Stewart Heater Co., Buffalo, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Van Wie Pump Co., Syracuse, N. Y.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Warren Steam Pump Co., Warren, Mass.
Weinman Machine Works, Columbus, Ohio.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.
Wilson-Snyder Mfg. Co., Ross & Water, Pittsburgh, Pa.
Xander Machine & Supply Co. (Hand), Reading, Pa.

Pumps (Boiler Testing)

Cleveland Steam Gauge Co., Cleveland, O.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 83 John, New York
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Henderer's, A. L., Sons, Wilmington, Del.
Lovejoy Tool Works, 86 E. Ohio, Chicago, Ill
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Schaeffer & Budenberg Mfg. Co., 963 Kent. av, Brooklyn, N. Y.

Pumps (Brass)

Barnes Mfg. Co., Mansfield, O.
Bishop's, Wm. Sons, 205 South, New York
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Bridgeport Brass Co., Bridgeport, Conn.
Crook-Horner Co., Baltimore, Md.
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Federal-Huber Co., Halsted & Fulton, Chicago, Ill.; & 244 5th av, New York
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Haydenville Co., Haydenville, Mass.
Humphryes Mfg. Co., Mansfield, O.
Illinois Malleable Iron Co., 515 Diversey boul., Chicago, Ill.
Kirkup, Robt. & Co., 620 Lodge, Cincinnati, O
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Iowa
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Murdock Mfg. & Supply Co., Cincinnati, O.
Myers, F. E. & Bro., Ashland, O.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Mfg. Co., New Britain, Conn.

Pumps (Brewery)

(See Pumps, Steam)

Pumps (Brine)

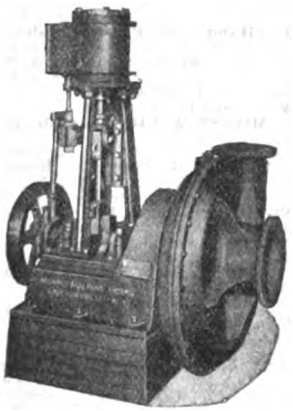
(See Also Pumps, Steam)

Advance Pump & Compressor Co., Battle Creek, Mich.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S., Steam Pump Co., ft. E. 23d, New York.
DEMING CO., Salem, O. (See adv. index, end of book)
GARDNER GOVERNOR CO. ("Gardner"), (See adv. index, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwin, N. Y. (See adv. index & branch offices end of book)
National Foundry & Machine Co., Louisville, Ky.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Quimby, Wm. E. (Inc.) (Circulating), 3 W 29th, New York
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. R'y., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)

Pumps (Centrifugal)

Alberger Condenser Co. (Steam or Motor Driven), 95 Liberty, New York
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Barnes Mfg. Co., Mansfield, O.
Barry & Zecher Co. (For Tanners), Lancaster, Pa.
Bellows Falls Machine Co. (For Paper Mills), Bellows Falls, Vt.
Black-Clawson Co., Hamilton, O.
Boggs & Clarke (Also Geared Centrifugal Steam Pumps & Tandem or Compound), Syracuse, N. Y.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Bucyrus Co. (Dredging), South Milwaukee,
Buffalo, Forge Co., Buffalo, N. Y. Wis.
Buffalo Gasoline Motor Co. ("Buffalo" Pump & Gasoline Engine Combined for Hotels, Summer Houses, etc.), Buffalo, N. Y.
Buffalo Steam Pump Co. (And "Cooley" Rotary Engine), Buffalo, N. Y.
Burroughs, Chas. Co., Newark, N. J.
CARLIN'S, THOS. SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)
Charleston Iron Works, Charleston, S. C.
Clot & Christ Machine Co., 137 Beale, San Francisco, Cal.
Craft, Jesse, 154 Nassau, New York
Davis-Johnson Mfg. Co., 345 S Canal, Chicago, Ill.
Dayton Hydraulic Machinery Co. ("Brooke"), Dayton, O.
De Laval Steam Turbine Co., Trenton, N. J.
DEMING CO., Salem, O. (See adv. index, end of book)
D'Olier Engineering Co., 119 S. 11th, Phila., Pa.
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Edwards, Jos. & Co. ("Cataract"), 412 Water, New York
ELLICOTT MACHINE CO., Busti & Severn, Baltimore, Md. (See adv. index, end of book)
Emerson Mfg. Co., Lawrence, Mass.
Erie Pump & Engine Co., Erie, Pa.
Friction Pulley & Machine Works (For Paper Mills, etc.), Sandy Hill, N. Y.
Fulton Mach. & Vise Co. ("Fulton"), Lowville, N. Y.
Garratt, W. T. & Co., San Francisco, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Great Lakes Engineering Works (Large Capacity), Rivard & Detroit River, Detroit, Mich.
Haslehurst, W. W., San Francisco, Cal.

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Hunt, Rodney Machine Co., Orange, Mass.
Jackson Byron Machine Works, 411 Market, San Francisco, Cal.
Jeansville Iron Wks. Co., Hazelton, Pa.
Kansas City Hay Press Co., Kansas City, Mo.
Kansas City Hay Press Co., Kansas City, Mo.
Kingsford Foundry & Machine Works, Oswego,
Krogh Mfg. Co., San Francisco, Cal. N. Y.
Lake City Engineering Co., Erie, Pa.
Lawrence Machine Co., Lawrence, Mass.
Lawrence Pump & Engine Co., Lawrence, Mass.
Luitwieler Pumping Engine Co. (Deep Well), Rochester, N. Y.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv., index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Maslin, Jno. & Son, 163 1st, Jersey City, N. J.
Moore & White Co., 15th & Lehigh av, Phila., Pa.
Morris, I. P. Co., Beach & Ball, Phila., Pa.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Potts, C. & A. Co., Indianapolis, Ind.
Portage Lake Foundry & Machinery Co. (for Mines), Hancock, Mich.
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Price, G. W., Pump & Engine Co., San Francisco, Cal.
Reliance Machine & Tool Works, 3341 Franklin av, St. Louis, Mo.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Samson Iron Works (Inc.) ("Samson"), Stockton, Cal.
SHAW, WILLIS CO., 171 Lasalle, Chicago, Ill. (See adv. index, end of book)
Southwark Foundry & Machine Co., Washington av & 5th, Phila., Pa.
Tod, Wm. Co. (For Sewerage & Drainage), Youngstown, Ohio
Toledo Foundry & Machine Co. (Sand), Toledo, O.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
United Iron Works ("Eclipse" & Step Pressure), Oakland, Cal.
Van Wie Pump Co., Syracuse, N. Y.
WETHERILL BROS., MACHINE CO., Chester, Pa. (See adv. index, end of book)
Wheeler Condenser & Engineering Co. ("Wheeler" Improved), Cartaret, N. J.
Wood, R. D. & Co. (High Grade Direct Connected or Belt Driven for Water Tanks), 400 Chestnut, Phila., Pa.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)
Yeatman, Jno. A. & Co. (Eclipse), 13 1st, San Francisco, Cal.

Pumps (Centrifugal, Water Tank)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Brown & Sharpe Mfg. Co., Providence, R. I.
Urie-Snyder Iron Works Co., Kansas City, Mo.

Pumps (Chain)

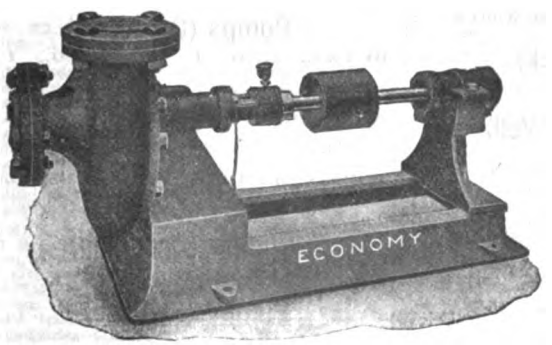
American Pump & Supply Co., Toledo, O.
Bellevue Pump Co., Bellevue, Ia.
Biggs, B. F. Pump Co., Lafayette, Ind.
Blank Mfg. Co. (Galvanized Steel Chain), Bucket Pump Co., Cincinnati, O. Quincy, Ill.
Bushnell Pump Co., Bushnell, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Comstock & Coonse Co., Indianapolis, Ind.
Douglass-Clark Co., Lafayette, Ind.
GOULDS MFG. CO., (Chain Driven), Seneca Falls, N. Y. (See adv. index and branch offices, end of book)
Gregory & Walker, Norwalk, O.
King, M. J. & Son, Collins Centre, N. Y.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
Pfender Bros., Evansville, Ind.
St. Joseph Pump & Mfg. Co., St. Joseph, Mo.
Temple Pump Co., Chicago, Ill.
Union Mfg. Co., New Britain, Conn.
WYCKOFF, A. & SON CO., Elmira, N. Y. (See adv. index, end of book)

*Pumps (Chemical Plant)

LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

Pumps (Circulating)

Advance Pump & Compressor Co., Battle Creek, Mich.
Auto Brass & Aluminum Co., Flint, Mich.
Auto & Power Appliance Co., Cleveland, Ohio.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Bock & Severin ("Advance"), Chicago, Ill.
Brennan Mfg. Co., Syracuse, N. Y.
Briscoe Mfg. Co., 1427 Woodward av, Detroit, Mich.
Brown & Sharpe Mfg. Co., Providence, R. I.
Byrne-Kingston & Co. ("Kingston"), Kokomo, Ind.
Buffalo Steam Pump Co., Buffalo, N. Y.
Cambria Forge Co., Johnstown, Pa.
Dyke, A. L., Automobile Supply Co., Olive & Walton, St. Louis, Mo.
Essex, G. B., Brass Co., Detroit, Mich.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Garvin Machine Co., Spring & Varick, New York
Globe Mach. & Stamping Co., Cleveland, O.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Harrinton-Wiard Co., Batavia, N. Y.
Hussey Drop Forge & Mfg. Co., Axtell opp. Osage, Cleveland, O.
Lipman Mfg. Co., Beloit, Wis.
Imperial Brass Mfg. Co., Chicago, Ill.



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KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lobee Pump & Mach. Co., 140 Terrace, Buffalo. N. Y.
Locke Regulator Co., Salem, Mass.
Loomis Autocar Co., Westfield, Mass.
McCord & Co., ("McKenna") Old Colony Bldg., Chicago, Ill.
Milwaukee Auto Engine & Supply Co., 706 Winnebago, Milwaukee, Wis.
Milwaukee Motor Co., Milwaukee, Wis.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Never-Miss Spark Plug Co., Lansing, Mich.
N. Y. Gear Works ("Ball"), 56 Greenpoint av, Brooklyn, N. Y.
Oberdorfer Bros. Co., Syracuse, N. Y.
PLATT IRON WORKS CO. (Air & Circulating), Dayton, O. (See adv. index & branch offices, end of book)
Ross & Kramer, 5607 Halsted, Chicago, Ill.
Seitz, F. A. Co., Newark, N. J.
Sullivan, John W., ft E 39th, Brooklyn, N. Y.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Westerfield Motor Co., Anderson, Ind.
Wilson Automobile Mfg. Co., Wilson, N. Y.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Pumps (Cistern)

Aermotor Co., Campbell av, nr. 12th, Chicago, Ill.
Althouse-Wheeler Co. (Close Top, Pitcher Spout), Waupun, Wis.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of Athol Pump Co., Athol, Mass. book)
Barnes Mfg. Co., Mansfield, O.
Bellevue Pump Co., Bellevue, Ia.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 88 John, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Flint & Walling Mfg. Co., Kendallville, Ind.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hayes Pump & Planter Co., Galva, Ill.
Hess, Snyder Co., Massillon, O.
Humphryes Mfg. Co., Mansfield, O.
McGowan, John H. Co., Cincinnati, O.
Moline Pump Co., Moline, Ill.
Myers, F. E., & Bro., Ashland, O.
Peters Pump Co., Kewanee, Ill.
Porter, J. E., Co., Ottawa, Ill.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Mfg. Co., New Britain, Conn.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Wilder, Sidney & Co., Holliston, Mass.

Pumps (Combined Air & Circulating)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Mass.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

*Pumps (Compression Tank)

DEMING CO., Salem, O. (See adv. index, end of book)

Pumps (Condenser)

(See Condensers, Steam)

Pumps (Contractors', for Sewers & Foundations)

Boggs & Clarke, Syracuse, N. Y.
Cameron, A. S., Steam Pump Works, ft. E. 23d New York
Craft, Jesse, 154 Nassau, New York
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 88 John, New York
Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
Erie Pump & Engine Co., Erie, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Kingsford Foundry & Machine Works, Oswego, N. Y.
Lawrence Machine Co., Lawrence, Mass.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
Pulsometer Steam Pump Co., Whitehall bldg, New York
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
Van Wie Pump Co., Syracuse, N. Y.

Pumps (Copper)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of Athol Pump Co., Athol, Mass. book)
Bishop's, Wm. Sons, 205 South, New York.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
Sands, Alfred B. & Son Co., Vesey, New York
Union Mfg. Co., New Britain, Conn.
Wilder, Sidney & Co., Holliston, Mass.
WILSON, F. CORTEZ & CO., 239 Lake Chicago, Ill. (See adv. index, end of book)

Pumps (Cornish)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Griffith & Wedge Co., Zanesville, O.
Hendy, Joshua Machine Works, 88 Fremont, San Francisco, Cal.
Morris County Machine & Iron Co., Dover, N. J.
Portage Lake Foundry & Machinery Co., Hancock, Mich.
Union Iron Works Co., San Francisco, Cal.

Pumps (Cotton Compress)

PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)

Pumps (Creamery)

American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co. (Porcelain Enameled), Mansfield, O.
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Union Steam Pump Co., Battle Creek, Mich.
Van Wie Pump Co., Syracuse, N. Y.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.

Pumps (Deck)

(See Pumps, Ship & Deck)

Pumps (Deep Well)

American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS (Steam for Artesian Wells, etc.), Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Boyts, Porter & Co. (Vertical), Connellsville, Pa.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
Challenge Co., Batavia, N. Y.
Clot & Christ Machine Co., San Francisco, Cal.
Columbus Steam Pump Works, Columbus, O.
Cook Well Co., St. Louis, Mo.
Corcoran, A. J. (Inc.), 4 John, New York
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
DEMING CO. (Hand and Power), Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 88 John, New York
Epping-Carpenter Co., Pittsburg, Pa.
Evans, C. H. & Co., San Francisco, Cal.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
Garratt, W. T. & Co., San Francisco, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
Hartig Standard Gas Engine Co., Newark, N. J.
Heisler Mfg. Co. (High Duty), St. Marys, O.
Hess-Snyder Co., Massillon, O.
Hill Machine Co., Anderson, Ind.
Humphryes Mfg. Co., Mansfield, O.
Indiana Air Pump Co. (Air Lift), Indianapolis, Ind.
Jarecki Mfg. Co. (Brass), Erie, Pa., & Pittsburg, Pa.
Keystone Driller Co. ("Downie"), Beaver Falls, Pa.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Luitwieler Pumping Co., Rochester, N. Y.
McGowan, John H. Co., Cincinnati, O.
Manistee Iron Works Co., Manistee, Mich.
Mast, Foos & Co., Springfield, O.
Myers, F. E., & Bro., Ashland, O.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Peters Pump Co., Kewanee, Ill.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Rys., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO. (Powers), Dayton, O. (See adv index & branch offices, end of book)
Reliance Machine & Tool Works, 3333 Franklin av, St. Louis, Mo.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Van Wie Pump Co., Syracuse, N. Y.
Warren Steam Pump Co., Warren, Mass.
Weinman Machine Works (Electric & Belt Driven), Columbus, O.
Wilder, Sidney & Co., Holliston, Mass.

Pumps (Diaphragm)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of Barnes Mfg. Co., Mansfield, O. book)
Boston & Lockport Block Co., Boston, Mass.
DEMING CO., Salem, O. (See adv. index, end of book)
Donohue, Jno. T. & Co. (Trench), Baltimore, Md.
Edson Mfg. Co. (Force Lift), Boston, Mass.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
Lawler Regulator Co., 478 W B'way, New York
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.

*Pumps (Drainage)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

Pumps (Dredging)

(See Pumps, Sand & Dredging)

Pumps (Electric)

Agnew Electric Mfg. Co. ("Kanawha"), Charleston, W. Va.
Allentown Rolling Mills ("Aldrich"), Allentown, Pa.

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AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book
Automatic Rotary Pump Co., Bible House, New York
Birdsboro Steel Foundry & Machine Co. ("Aldrich"), Birdsboro, Pa.
BLAKE, GEO. F. MFG. CO. (Mine Sinking), 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Bleyle Electric Co. ("Economic"), 84 Cortlandt, New York
BLISS, E. W. CO. ("Mosburg"), 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.


Self-starters, float-switches and pressure regulators for motor-driven pumps.
THE CUTLER-HAMMER MFG. CO., Milwaukee.

Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
D'Oiler Engineering Co., 121 S 11th, Phila., Pa.
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Dow, Geo. E. Pumping Engine Co., San Francisco, Cal.
Dubois Iron Works, Dubois, Pa.
Economic Power & Pump Co., 84 Cortlandt, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Goodman Mfg. Co., 39th & Stewart av, Chicago, Ill.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Harris Pump & Supply Co., Pittsburg, Pa.
Holland Electric Pump & Engineering Co., 51 Cliff, New York
Jeansville Iron Works Co., Hazleton, Pa.
JEFFREY MFG. CO., Columbus, O., (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS (Mine Sinking), 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Luitwieler Pumping Engine Co. (Non-Pulsating Balanced), Rochester, N. Y.
McGowan, John H. Co., Cincinnati, O.
MORRIS MACHINE WORKS (Centrifugal, etc.), Baldwinsville, N. Y. (See adv index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
New York Air Brake Co., 165 B'way, New York
OTIS ELEVATOR CO., 17 Battery Pl, New York. (See adv. index & branch offices, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M. Steam Pump Co., West Allis, Wis.
Quimby, Wm. E. (Inc.), (Direct Connected), 3 W 29th, New York
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scranton Steam Pump Co., Scranton, Pa.
Taber Pump Co. (Portable), Buffalo, N. Y.
THOMAS & SMITH (Inc.), ("Economy"), 17 S Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)
Van Wie Pump Co., Syracuse, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Wilson-Synder Mfg. Co., Pittsburg, Pa.
Wood, R. D., & Co., 400 Chestnut, Phila, Pa.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)
Yeoman's Bros., 98 Jackson boul, Chicago, Ill.

Pumps (Electric, Pure Air)

Acorn Engineering & Mfg. Co. (Automatic for Pumping Pure Air), 27 Thames, New York

Pumps (Elevator)

Advance Pump & Compressor Co., Battle Creek, Mich.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Blakeslee Mfg. Co., Du Quoin, Ill. Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson, Cleveland, O.
Canton-Hughes Pump Co., Canton & Cleveland, O.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Garratt, W. T. & Co., San Francisco, Cal.
Goodman Mfg. Co., 48th pl & S Halsted, Chicago, Ill.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
Heisler Mfg. Co., St. Marys, O.
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Luitwieler Pumping Engine Co. (Non-Pulsating Balanced), 405 N Main, Los Angeles, Cal.
McGowan, John H. Co., Cincinnati, O.
National Foundry & Machine Co., Louisville, Ky.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred. M., Steam Pump Co., West Allis, Wis.
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Van Wie Pump Co., Syracuse, N. Y.

Pumps (Fan & Stuff)

Bellows Falls Machine Co., Bellows Falls, Vt.
Clark, H. C. & Son Machine Co., Lee, Mass.
Emerson Mfg. Co., Lawrence, Mass.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index, end of book)
Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.

Pumps (Filter Press)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
GUILD & GARRISON, ft of S 10th, Brooklyn, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Shriver, T. & Co., Harrison, N. J.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)

Pumps (Fire)

(See Pumps, Steam)

*Pumps (Fire Protection)

DEMING CO., Salem, O. (See adv. index, end of book)

Pumps (Force & Lift)

Althouse-Wheeler Co. (Hand Force), Waupun, Wis.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Athol Pump Co., Athol, Mass.
Baker Mfg. Co., Evansville, Wis.
Barnes Mfg. Co., Mansfield, O.
BERNZ, OTTO, S. 13th & S. Orange av., Newark, N. J. (See adv. index, end of book)
Blymyer Iron Works Co. ("Crown," "Star" Hand & Power Double Acting), Spring Grove av & Terrace pl, Cincinnati, O.
Columbiana Pump Co., Columbiana, O.
Comstock & Coonse Co., Indianapolis, Ind.
Corcoran, Andrew J., 11 John, New York
Crook-Horner Co., Baltimore, Md.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 85 John, New York
Dubois Iron Works, Dubois, Pa.
Duplex Mfg. Co., Superior, Wis.
Eccles, Jas., 2424 Ambler, Phila., Pa.
Edwards, Jos. & Co., 416 Water, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Field Force Pump Co., Elmira, N. Y.
Flint & Walling Mfg. Co., Kendallville, Ind.
Geiser Mfg. Co., Waynesboro, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hanson & Rhodes, 157 W 29th, New York
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Haydenville Co., Haydenville, Mass.
Hayes Pump & Planter Co. (House Windmill, etc.), Galva, Ill.
Hess, Snyder Co. (Novelty), Massillon, O.
Humphrey Machine Co. (Force), Keene, N. H.
Humphryes Mfg. Co. (Force), Mansfield, O.
Kirkup, Robt. & Co., 620 Lodge, Cinn., O.
Klotz Machine Co. ("Waldkircher's" Oscillating Force Pump), Sandusky, O.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
McGowan, Jno. H. Co., Cincinnati, O.
McNab & Harlin Mfg. Co., 56 John, New York
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Mietz & Weiss, 184 Mott, New York
Moline Pump Co., Moline, Ill.
Murdock Mfg. & Supply Co., Cincinnati, O.
Myers, F. E. & Bro., Ashland, O.
Nason Mfg. Co., 71 Beekman, New York
Peters Pump Co., Kewanee, Ill.
Porter, J. E. Co., Ottawa, Ill.
Powell, Wm. Co., Cincinnati, O.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia.
Red Jacket Mfg. Co., Springfield, O.
Rumsey & Co. (Ltd.), (For All Purposes), Seneca Falls, N. Y.
Thomas Mfg. Co., Springfield, O.
Trahern Pump Co., Rockford, Ill.
Union Mfg. Co., New Britain, Conn.
Wilder, Sidney & Co., Holliston, Mass.

*Pumps (Fuel Oil)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)

*Pumps (Garage)

GARDNER GOVERNOR CO. ("Gardner"), Quincy, Ill. (See adv. index, end of book)

Pumps (Gas Compressing)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.

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Pumps (Gas Engine Starting)

Caldwell, E. R. & Co., Bradford, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)

Pumps (Gas Fitters' Proving)

GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

*Pumps (Gas Main, Force)

BERNZ, OTTO, S. 13th & S. Orange av., Newark, N. J. (See adv. index, end of book)

Pumps (Gasoline)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv index & branch offices, end of book)
KEWANEE WATER SUPPLY CO. (For Pumping Water Supply), Kewanee, Ill. (See adv. index, end of book)
Louisville Varnish Co. (Tank), Louisville, Ky.

Pumps (Gauge Testing)

(See Gauge Testing Apparatus)

Pumps (Geared, Oil or Water)

(For Milling, Gear & Chucking Machines, Etc.)
Brown & Sharpe Mfg. Co. (For Oil Supply, to Cutting Tools on Lathes, Screw Machines, etc.), Providence, R. I.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)

Pumps (Ham Preserving)

Silver Mfg. Co., Salem, O.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)

*Pumps (Hand)

KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)

Pumps (Hand, Fire)

Chicago Fire Apparatus Co. ("Chicago Fire Department Style"), 89 Lake, Chicago, Ill.

Pumps (Hot Air)

(See Engines, Hot Air Pumping)

Pumps (High Pressure, Oil)

Sturgess Engineering Dept. of Ludlow Valve Mfg. Co., Troy, N. Y.

Pumps (Hydraulic)

Advance Pump & Compressor Co., Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book
Bethlehem Steel Co., South Bethlehem, Pa.
Bishop & Babcock Co. (Vacuum), 49th & Hamilton av, Cleveland, O.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts, Porter & Co., Connellsville, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burroughs, Chas. Co., Newark, N. J.
Bushnell, G. H. Press Co., Thompsonville, Conn.
Canton-Hughes Pump Co., Canton & Cleveland, O.
Columbus Steam Pump Works, Columbus, O.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Davis-Johnson Mfg. Co., 345 S Canal, Chicago, Ill.
Dayton Hydraulic Machinery Co., Dayton, O.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
DEMING CO. (Pressure), Salem, O. (See adv. index, end of book)
Douglass, W. & B., Middletown, Conn.; 83 John, New York
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
ELMES, CHAS. F. ENGINEERING Works, c. Sangamon & Fulton, Chicago, Ill. (See adv. index, end of book)
Epping Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Farrel Foundry & Machine Co., Ansonia, Conn.
French Oil Mill Machinery Co., Piqua, O.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
Holyoke Machine Co. ("Hercules"), Holyoke, Mass.
Hydraulic Press Mfg. Co. (Hand & Power), Mount Gilead, O.
Kilby Mfg. Co., Cleveland, O.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lake City Engineering Co., Erie, Pa.
Logemann Bros. Co. ("Logemann" High Pressure, Triples Compound), Milwaukee, Wis.
McGowan, John H., Co., Cincinnati, O.
Maslin, John & Son, 167 1st, Jersey City, N. J.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
National Foundry & Machine Co., Louisville, Ky.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Steam Pump Co., Upper Sandusky, O.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.
Perrin, Wm. R., & Co., 46th & Loomis, Chicago, Ill.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila, Pa.
Robertson, Jno. & Co., 129 Water, Brooklyn, N. Y.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Southwark Foundry & Machine Co., Washington av & 5th, Phila., Pa.
Tranter, Davison Mfg. Co. ("McFuley"), 105 Water, Pittsburg, Pa.
Union Steam Pump Co., Battle Creek, Mich.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
WATSON-STILLMAN CO., 30 Church, New York. (See adv. index, end of book)
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.
Westbrook's Elevator Co., Danville, Va.
Wheeler, C. H. Mfg. Co., Lehigh & N 16th, Phila., Pa.
Wilson-Snyder Mfg. Co., Pittsburg, Pa.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Pumps (Hydraulic Dredging)

Boggs & Clarke, Syracuse, N. Y.
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Erie Pump & Engine Co. (& Engine), Erie, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y (See adv. index & branch offices, end of book)
Kingsford Foundry & Machine Works (Belt or Engine Driven, etc.), Oswego, N. Y.
Lake City Engineering Co., Erie, Pa.
MORRIS MACHINE WORKS, Bald ville, N. Y. (See adv. index & t offices, end of
Van Wie Pump Co., Syracuse, N. Y.
WETHERILL BROS. MACHINE Chester, Pa. (See adv. index, end of
Wood, R. D. & Co., 400 Chestnut, Phila

Pumps (Hydraulic, Elevator vice)

GOULDS MFG. CO., Seneca Falls, (See adv. index & branch offices, end o
Prescott, Fred M. Steam Pump Co., Allis,
WAGENER STEAM PUMP WORKS, ton, O. (See adv. index, end of

Pumps (Hydraulic Proving

DUDGEON, RICHARD, 24 Columbia, York. (See adv. index, end of
GOULDS MFG. CO., Seneca Falls, (See adv. index & branch offices, end of
Union Steam Pump Co., **Battle Creek, M**

*Pumps (Hydraulic Transmission)

ALLIS-CHALMERS CO., Milwaukee, (See adv. index & branch offices, end of
DUDGEON, RICHARD, 24 Columbia, York. (See adv. index, end of

*Pumps (Intensifier)

MORGAN ENGINEERING CO. (For B ing & Bending), Alliance, O. (See index & branch offices, end of

Pumps (Irrigating)

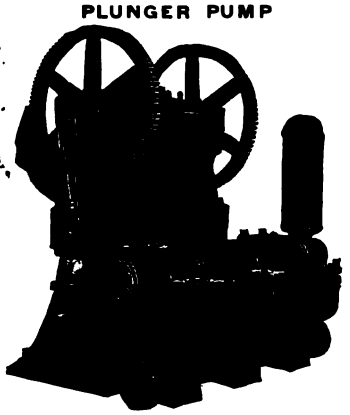
Advance Pump & Compressor Co., B Creek, M
Aermotor Co., Campbell av., nr. 12th, cago,
ALLIS-CHALMERS CO., Milwaukee, (See adv. index & branch offices, end of
AMERICAN WELL WORKS, Aur Ill. (See adv. index & branch offices, of
Appleton Mfg. Co., Batavia, N. Y.
Barnes Mfg. Co., Mansfield, O.
Blakeslee Mfg. Co., Du Quoin, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S. Steam Pump Works, ft New
Challenge Wind Mill & Feed Mill Co., tavia,
Charter Gas Engine Co., Sterling, Ill.
Collins-Gunther Co., San Antonio, Tex.
DEMING CO., Salem, O. (See adv. in end of bo
Dow, Geo. E. Pumping Engine Co., 179 San Francisco, C

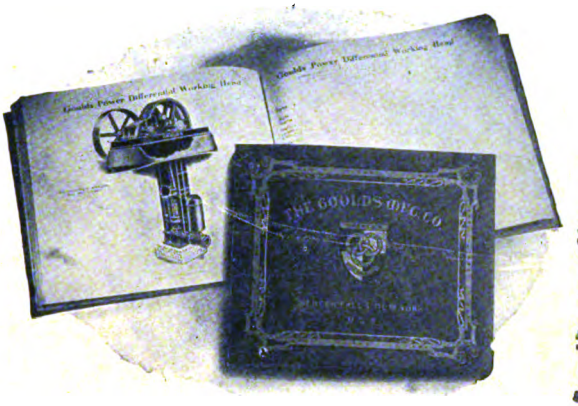
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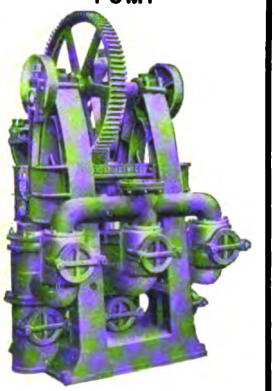
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PLUNGER PUMP





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OF POWER PUMPS FOR EVERY SERVICE
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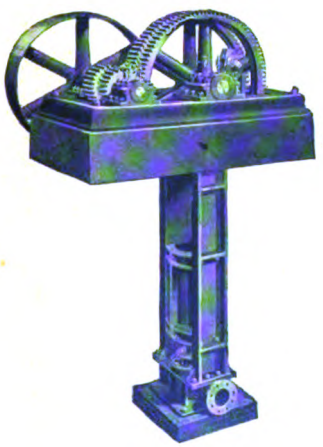
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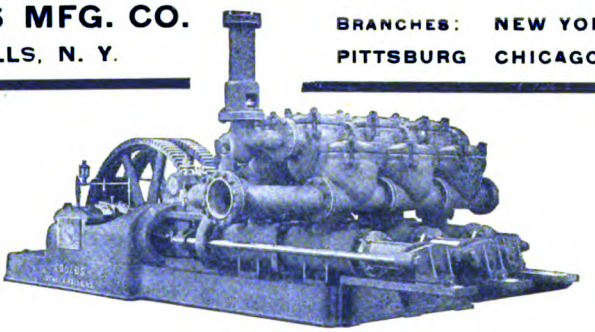
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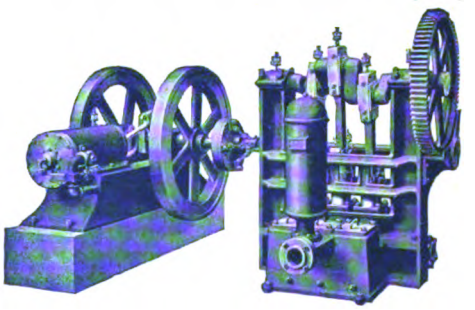
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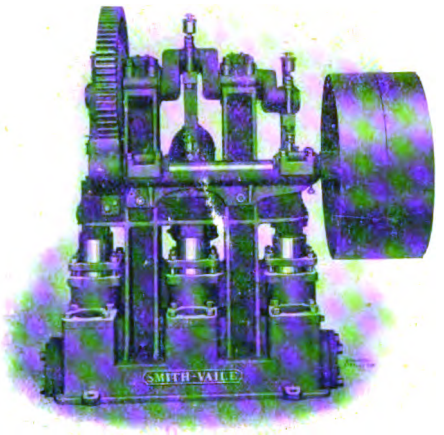
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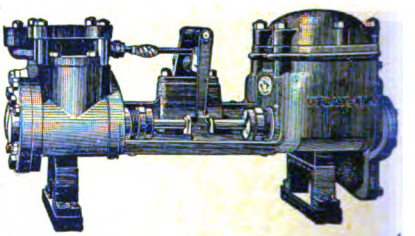
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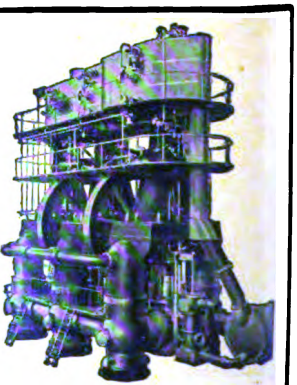
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Electrically Operated Pumps.

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GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Haslehurst, W. W., San Francisco, Cal.
Humphryes Mfg. Co., Mansfield, O.
Kingsford Foundry & Machine Works, Oswego,
Krogh Mfg. Co., San Francisco, Cal. N. Y.
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Layne & Bowler Co. ("Layne," Irrigation Well Pumps), Houston, Tex.
McGowan, Jno. H. Co., Cincinnati, O.
Mast, Foos & Co., Springfield, O.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E., & Bro., Ashland, O.
National Foundry & Machine Co., Louisville, Ky.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Red Jacket Mfg. Co., Davenport, Ia.
Roots, P. H. & F. M. Co. (Rotary Pressure), Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Stover Mfg. Co., Freeport, Ill.
United Iron Works, Oakland, Cal.
United Steam Pump Co., Battle Creek, Mich.
United States Wind Engine & Pump Co., Batavia, Ill.
Van Wie Pump Co., Syracuse, N. Y.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Ward Pump Co., Rockford, Ill.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Pumps (Juice)

Beach-Russ Co., 59 Greene, Brooklyn, N. Y.
Blymyer Iron Works Co. (Hand or Power), Cincinnati, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
Hill Machine Co., Anderson, Ind.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Squier, Geo. L. Mfg. Co. (Power & Hand), Buffalo, N. Y.
WAGENER STEAM PUMP WORKS Canton, Ohio. (See adv. index, end of book)

Pumps (Laboratory Vacuum)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

Pumps (Liquor)

Central Stamping Co., 174 Fulton, New York

Pumps (Lubricator)

(See Lubricators, Oil Pump)

Pumps (Manhole & Pile Sinking)

Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)

Pumps (Marine)

(See Pumps, Steam)

Pumps (Measuring)

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Enterprise Mfg. Co. (Self Pruning, Molasses, etc.), 3d & Dauphin, Phila., Pa.
Tokheim Mfg. Co. ("Dome" for Self Measuring & Pumping of Oil, etc.), Cedar Rapids, Iowa
WILSON, F. CORTEZ & CO., 230 Lake, Chicago, Ill. (See adv. index, end of book)

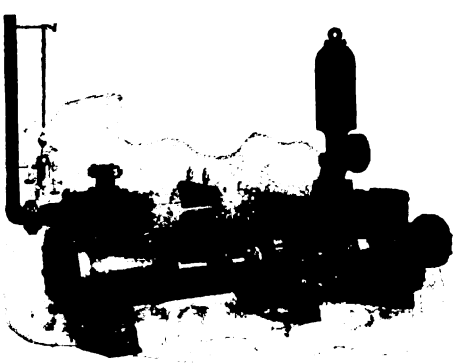
Pumps (Mine)

Advance Pump & Compressor Co., Battle Creek, Mich.
Allentown Rolling Mills ("Aldrich" Triplex Wood or Cement Lined), Allentown, Pa.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson, Cleveland, O.
Cameron, A. S., Steam Pump Works, ft. E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Columbus Steam Pump Works, Columbus, O.
Connellsville Machine & Car Co., Connellsville, Pa.
Cook Well Co., St. Louis, Mo.
Crawford & McCrimmon Co. (Lead Lined, Acid Proof), Brazil, Ind.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dayton Hydraulic Machinery Co., Dayton, O.
Dean Bros.' Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Douglass, W. & B., 88 John, New York & Middletown, Conn.
Dow, Geo. B. Pumping Engine Co., 179 1st, San Francisco, Cal.
Economic Power & Pump Co., 84 Cortlandt, New York
Edson Mfg. Co. (& Prospecting), 257 Atlantic av, Boston, Mass.
Edward, Jos., & Co., 412 Water, New York.
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldridge Pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fairmont Mining Machinery Co., Fairmont, W. Va.
Franklin Iron Works, Port Carbon, Pa.
Frenier, J. H. & Son, Rutland, Vt.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Garrett, W. T. & Co., San Francisco, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Goyne Steam Pump Co. (Goyne Bros., Props.) Works, Ashland, Pa.
Hall Steam Pump Co., Pittsburg, Pa.
Hill Machine Co., Anderson, Ind.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Jeansville Iron Works Co., Hazleton, Pa.
JEFFREY MFG. CO. ("Jeffrey" Portable Elecctric Plunger), Columbus, O. (See adv. index & branch offices, end of book)
Kingsford Foundry & Machine Works, Oswego, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Luitwieler Pumping Engine Co. (Non-Pulsating), Rochester, N. Y.
McGowan, John H. Co., Cincinnati, O.
Manistee Iron Works Co., Manistee, Mich.
Maslin, John & Son, 167 1st, Jersey City, N. J.
Mine & Smelter Supply Co., Denver, Colo.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Mullen, John & Son, Shamokin, Pa.
Mount Carmel Iron Works, Mount Carmel, Pa.
Myers, F. E., & Bro., Ashland O.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
Nordberg Mfg. Co., Milwaukee, Wis.
Nye Steam Pump & Machinery Co., 70 W. Wash'n, Chicago, Ill.
Ottumwa Iron Wks., Ottumwa, Iowa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott Fred M., Steam Pump Co., West Allis, Wis.
Pulsometer Steam Pump Co., Whitehall bldg.,
Roberts, Geo. J. Co., Dayton, O. New York
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scranton Steam Pump Co., Scranton, Pa.
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Union Steam Pump Co., Battle Creek, Mich.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Weinman Machine Works, Columbus, O.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wells, F. C. (Est. of), 122 S. Clinton, Chicago, Ill.
Wilson-Snyder Mfg. Co., Pittsburg, Pa.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Oil)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Axelson Pump Co., Los Angeles, Cal.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

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BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Bupffalo, N. Y.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO. (Power), Dayton, O. (See adv. index & branch offices, end of book)
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Sight Feed Oil Pump Co. ("Richardson" Sight Feed), Milwaukee, Wis.
Tokheim Mfg. Co. ("Dome" for Oil Measuring, Storing & Pumping for Oil Dealers), Cedar Rapids, Iowa
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
WILSON, F. CORTEZ & CO. (Tin & Galvanized), 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Pumps (Oil Line)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)

Pumps (Oil or Gas Well)

Marseth Packer & Machine Works, Butler, Pa.

*Pumps (Oil Refinery)

LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)

Pumps (Oil Rotary)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Gould & Eberhardt, Newark, N. J.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Nugent, Wm. W. & Co., 18 W. Randolph, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Pumps (Paper Mill)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
DEMING CO., Salem, O. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Kingsford Foundry & Machine Works, Oswego, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Moore & White Co., 15th & Lehigh av, Phila., Pa.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.

*Pumps (Papermakers' Fan)

GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Rumsey & Co. (Ltd.) (For Forcing & Raising Pulp, etc.), Seneca Falls, N. Y.

Pumps (Pitcher Spout)

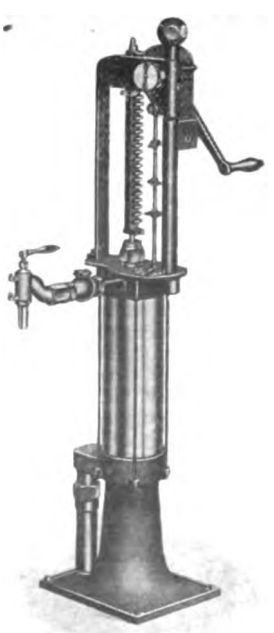
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 88 John, New York
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
Myers, F. E. & Bro., Ashland, O.
Peters Pump Co., Kewanee, Ill.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

*Pumps (Plantation)

LAIDLAW - DUNN - GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

Pumps (Plumbers')

Barnes Mfg. Co., Mansfield, O.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 88 John, New York
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
Kirkup, Robert & Co., 620 Lodge, Cincinnati
Knapp Mfg. Co., 20 Warren, New York
Murdock Mfg. & Supply Co., Cincinnati, O.
Powell, Wm. Co., Cincinnati, O.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Union Mfg. Co., New Britain, Conn.
Wolverine Brass Works ("Plumbers Friend"), Grand Rapids, Mich.



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Pumps (Plumbers' Force)

Boekel, Wm. & Co. (Inclined Air), 518 Vine, Phila., Pa.
Elkhart Rubber Works (Rubber), Elkhart, Ind.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Lawless, J., 184 3d, Jersey City, N. J.
Noppel Pump Co., Hartford, Conn.
Perkes, Chas. (Est. of), 625 Arch, Phila., Pa.
Plumbers' Force Pump Co., Warren, Pa.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Pumps (Pneumatic)

(See also Pneumatic Pumping Systems)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Curtis & Co. Mfg. Co., St. Louis, Mo.
DEMING CO., Salem, O. (See adv. index, end of book)
Harris Air Pump Co., Indianapolis, Ind.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Latta-Martin Pump Co., Hickory, N. C.
Roots, P. H. & F. M. Co., Connersville, Indiana.
United Pump & Power Co., Old Colony bldg., Chicago, Ill.

*Pumps (Pneumatic Displacement)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Power)

ALLIS-CHALMERS CO. ("Duplex"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bessemer Gas Engine Co., Grove City, Pa.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S. Steam Pump Co., ft. of E. 23d, New York
Cameron-Tennant Machine Works, Richmond, Va.
Canton-Hughes Pump Co., Canton & Cleveland, O.
Challenge Co., Batavia, Ill.
Columbus Steam Pump Works, Columbus, O.
Clot & Christ Machine Co., 187 Beale, San Francisco, Cal.
Davidson, W. T., 43 Keap, Brooklyn, N. Y.
Davis, I. B. & Son, Hartford, Conn.
DEMING CO., Salem, O. (See adv. index, end of book)
Dubois Iron Works (High Duty Triplex), Du-bois, Pa.
Elgin Mfg. Co., Elgin, Ill.
Evans, C. H. & Co., San Francisco, Cal.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Findlay Fdry. & Mach. Co., Findlay, N. Y.
French Oil Mill Machinery Co. (High & Low Pressure for Cottonseed & Linseed Oil Mills, etc.), Piqua, O.
Fulton Engine Works, Los Angeles, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Harris Pump & Supply Co., 320 2d av, Pittsburg, Pa.
Heisler Mfg. Co., St. Marys, Mo.
Hill Machine Co., Anderson, Ind.
Jarvis Engine & Machine Works ("Jarvis"), Lansing, Mich.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. Works, East Cambridge, Mass. (See adv. index & branch offices, end of book)
La Vergne-Bataille Pump Co. (Portable Gasoline), Newark, N. J.
Lucas, C. O., & Co., Greenville, O.
Lucas Pump Co. (For Hot or Cold Water), Dayton, Ohio
Mast, Foos & Co. ("Buckeye" Force), Springfield, O.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Myers, F. E. & Bro., Ashland, O.
National Steam Pump Co., Upper Sandusky, O.
New Era Gas Engine Co., Dayton, O.
Peters Pump Co., Kewanee, Ill.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scranton Steam Pump Co., Scranton, Pa.
Sneedley Steam Pump Co., Dubuque, Ia.
Springfield Elevator & Pump Co., Springfield, Mass.
Stewart Heater Co., Buffalo, N. Y.
Walker Mfg. Co. (Up to 1,000,000 Gallons Daily), Fenton, Mich.
Warren Steam Pump Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Weinman Machine Works (Geared, Electric, Belt Driven, etc.), Columbus, Ohio
Wetmore Iron Works, Lowville, N. Y.

*Pumps (Private Water Works)

DEMING CO., Salem, O. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & CONstruction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Pumps (Propeller)

MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Wood, P. K. ("Wood," Horizontal, for Tailings, Cyanide Solution, Placer Mining & Dredging), Los Angeles, Cal.

*Pumps (Pulp Grinder)

DEMING CO., Salem, O. (See adv. index, end of book)

Pumps (Quarry)

Advance Pump & Compressor Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Wks., ft. E. 23d, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.

Pumps (Railroad Force)

GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Pumps (Reciprocating)

Buffalo Steam Pump Co., Buffalo, N. Y.

Pumps (Reclamation)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
United Iron Works, Oakland, Cal.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Pumps (Rotary)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bagley & Sewall Co. (And Reciprocating), Watertown, N. Y.
Barnes Mfg. Co., Mansfield, O.
Reach-Russ Co., 59 Greene, Brooklyn, N. Y.
Blackmer Pump, Power & Mfg. Co., Petoskey, Mich.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Brewster Engineering Co. ("Brewster" Water) 50 Church, New York
Connersville Blower Co. (Force), Connersville, Ind.
Crowell, Gilmer, 296 Taaffe pl, Brooklyn, N. Y.
Davis-Johnson Mfg. Co., 345 S Canal, Chicago, Ill.
DEMING CO., Salem, O. (See adv. index end of book)
Douglas, W. & B., Middletown, Conn., & 83 John, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Foster Pump Works (Also Rotary Hand), 224 Plymouth, Brooklyn, N. Y.
GOULDS MFG. CO. Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hartford Machine Screw Co., Hartford, Conn.
Hersey Mfg. Co. (Soap), 314 W 2d, Boston, Mass.
Holyoke Machine Co., Holyoke & Worcester, Mass.
Humphrey Machine Co., Keene, N. H.
Hunt, Rodney Machine Co. (Fire), Orange, Mass.
Lipman Mfg. Co., Beloit, Wis.
Lobee Pump & Machinery Co., Buffalo, N. Y.
Perrin, Wm. R., & Co., 46th & Loomis, Chicago, Ill.
Rock River Machine Co., Janesville, Ohio
Roots, P. H. & F. M. Co. (Possitive Pressure), Connersville, Ind.
Ross, Chas. & Son Co. ("Ross" for White Lead & Putty), 148 Classon av., Brooklyn, N. Y.
Rumsey & Co. (Ltd.) (Force, Fire & Oil Service), Seneca Falls, N. Y.
Southwark Foundry & Machine Co., Phila., Pa.
Taber Pump Co. (Beer Circulating & Racking, etc.), Buffalo, N. Y.
Turners Falls Machine Co., Turners Falls, Mass.

Pumps (Rotary Oil)

(See Pumps, Oil Rotary)

*Pumps (Rotative Dry Vacuum)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

*Pumps (Rubber Cement)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Pumps (Sand Feed Stone-Sawing)

Frenier, J. H. & Son, Rutland, Vt.

Pumps (Sand & Dredging)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Boggs & Clarke (Hydraulic, etc.), Syracuse, New York
Buffalo Steam Pump Co., Buffalo, N. Y.
ELLICOTT MACHINE CO., Bush & Severn, Baltimore, Md. (See adv. index, end of book)
Erie Pump & Engine Co., Erie, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Jackson, Byron Machine Works, 411 Market, San Francisco, Cal.
Lake City Engineering Co., Erie, Pa.
Lawrence Machine Co., Lawrence, Mass.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

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PITTSBURGH VALVE, FOUNDRY & CONstruction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Potts, C. & A. Co., Indianapolis, Ind.
United Iron Works, Oakland, Cal.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Van Wie Pump Co., Syracuse, N. Y.
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

*Pumps (Screw)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

*Pumps (Self-Measuring)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Pumps (Service & Drip)

Phoenix Meter Co., Camden, N. J.

*Pumps (Sewerage)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
WETHERILL BROS. MACHINE CO., Chester, Pa. (See adv. index, end of book)

Pumps (Ship & Deck)

Barnes Mfg. Co., Mansfield, O.
Bishop, Wm. Sons (Brass Deck Fire), 205 South, New York
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphryes Mfg. Co., Mansfield, O.
Marine Mfg. & Supply Co., 158 South, New York
Myers, F. E. & Bro., Ashland, O.
O'Crowley, J. J., 45 Hudson, Jersey City, N. J.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Sands, Alfred B. & Son, 20 Vesey, New York
Schaeffer & Budenberg Mfg. Co. (Portable), 963 Kent av, Brooklyn, N. Y.
Van Duzen, E. W. Co., Cincinnati, O.

Pumps (Sinking)

Allentown Rolling Mills (Electric, Vertical, Triplex, etc.), Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S. Steam Pump Works, ft. of E. 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Clot & Christ Machine Co., San Francisco, Cal.
FAIRBANKS, MORSE & CO. (Electric & Steam), Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
Hendy, Joshua Machine Works, 38 Fremont, San Francisco, Cal.
Jeanesville Iron Works Co. (Steam or Electric), Hazleton, Pa.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Mine & Smelter Supply Co., Denver, Col.
NationalSteam Pump Co., Upper Sandusky, O.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M. Steam Pump Co., West Allis, Wis.
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Union Iron Works Co., San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.

*Pumps (Size)

COHOES IRON FOUNDRY & Machine Co., Cohoes, N. Y. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)

*Pumps (Slush)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)

Pumps (Spray)

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Barnes Mfg. Co., Mansfield, O.
Bean Spray Pump Co. (Bean Spray), San Jose, Cal.
BERGER MFG. CO., THE (House & Farm), Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Cedar Rapids Pump Co., Cedar Rapids, Iowa
Childs, Chas. H. & Co. (Electric), Utica, N. Y.
Church Mfg. Co. (Pneumatic), Adrian, Mich.
Dayton Supply Co. ("Nixon-Climax," for Lawn & Field), Dayton, O.
De Clercy Bros., Cazenovia, N. Y.
DEMING CO., Salem, O. (See adv. index, end of book)
Doughton, H. W., Moorestown, N. J.
Douglas, W. & B., Middletown, Conn., & 83 John, New York
Eureka Mower Co. (Atomizers), Utica, N. Y.
Everett, J. A. (Sprayers & Powder Distributors), Indianapolis, Ind.
Field Force Pump Co. ("Empire King, Garfield, Knapsack, Red Jacket & Aroostock," Potato Sprayer, "Orchard Monarch"), Elmira, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Gaylord, J. F., Catskill, N. Y.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hardee Mfg. Co., Hudson, Mich.
Hess, Snyder Co., Massillon, O.
Holl Mfg. Co., 333 Main, Buffalo, N. Y.
Humphreys Mfg. Co., Mansfield, O.
Hurst, H. L., Mfg. Co. (Combination Potato & Orchard, Horse & Wheelbarrow Power), Canton, O.
Kohler, F. E., & Co. ("Johnson"), Canton, O.
Lenox Chemical Co. (Lenox Spraying Apparatus), Pittsfield, Mass.
McDonald, A. Y., & Morrison Mfg. Co., Dubuque, Iowa
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Morrill & Morley ("Eclipse & Eureka"), Benton Harbor, Mich.
Myers, F. E., & Bro., Ashland, O.
Peppler, Thos. (Sprayers), Hightstown, N. J.
Porter, J. E. Co., Ottawa, Ill.
Potato Implement Co. (Knapsack Sprayers, Atomizers & Powder Guns), Traverse City, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia.
Ripley Hardware Co. (Sprayers), Grafton, Ill.
Rome Bicycle Mfg. Co., Rome, N. Y.
Rumsey & Co. (Ltd.) (Force & Knapsack), Seneca Falls, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Shangle, Jno. R., Hightstown, N. J.
Smith, D. B. & Co., Utica, N. Y.
Smith, F. B. Mfg. Co., Buffalo, N. Y
Stahl, Wm. Sprayer Co., Quincy, Ill.
Standard Stamping Co. ("Standard"), Marysville, O.
Stevens & Co., 99 Chambers, N. Y.
Stewart, A. T. & Co. (Mist-Sprayers), Carthage, N. Y.
Trahern Pump Co., Rockford, Ill.
Union Steam Pump Co. (Fruit Spraying), Battle Creek, Mich.
Utica Sprayer Co., Utica, N. Y.

Pumps (Steam)

Advance Pump & Compressor Co., Battle Creek, Mich.
Aetna Foundry & Machine Co., Springfield, Ill.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Steam Pump Co. ("Marsh"), Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson, Cleveland, O.
Caldwell, E. E. & Co., Bradford, Pa.
Camden Iron Works, Camden, N. J.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
CARLIN'S, THOS. SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)
Carpenter, Thos. D., 93 Pearl, Brooklyn, N. Y.
Carthage Fdry. & Machine Co., Carthage, Mo.
Codd, E. J., Co. (Duplex), 700-708 S. Carolina, Baltimore, Md.
Columbus Steam Pump Works, Columbus, O
Connersville Machine & Car Co. ("Lafayette"), Connersville, Pa.
Cook, A. D., Lawrenceburg, Ind.
Cook Well Co., St. Louis, Mo.
Clot & Christ Machine Co., San Francisco, Cal.
Crawford & McCrimmon Co., Brazil, Ind.
Crown Iron Works Co., Minneapolis, Minn.
D'Auria Pumping Engine Co., Drexel bldg, Phila., Pa.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dean Bros.' Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO. (High & Low Pressure), 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
Douglas, W. & B., 83 John, New York, & Middletown, Conn.
Dow, Geo. E. Pumping Engine Co., 179 1st, San Francisco, Cal.
Economic Power & Pump Co., 84 Cortlandt, New York
Edwards, Jos. & Co., 412 Water, New York
Emerson Steam Pump Co. (Steam Vacuum), Alexandria, Va.
Epping-Carpenter Co., Pittsburg, Pa.
Evans, C. H. & Co. ("Thomson & Evans"), San Francisco, Cal.
FAIRBANKS, MORSE & CO. (Duplex), Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Fenton Iron Works, Fenton, Mich.
Filer & Stowell Co., Milwaukee, Wis.
Findlay Foundry & Machine Co., Findlay, O.
FOSTER PUMP WORKS ("Hardick"), 224 Plymouth, Brooklyn, N. Y.
Frost Mfg. Co., Galesburg, Ill.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Garratt, W. T. & Co., San Francisco, Cal.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Goyne Steam Pump Co. (Goyne Bros., Props.), Ashland, Pa.
Grant Iron Works, Mahanoy City, Pa.
Great Lakes Engineering Works, Detroit, Mich.
Guild & Garrison, Kent av. & S. 10th, Brooklyn, N. Y.
Hall Steam Pump Co., Pittsburg, Pa.
Heisler Mfg. Co., St. Marys, O.
Hendy, Joshua Machine Works, 38 Fremont, San Francisco, Cal.
Hill Machine Co., Anderson, Ind.
Hubbard's, Norman Sons ("Niagara"), 265 Water, Brooklyn, N. Y.
International Steam Pump Co., 115 B'way, New York
Jackson, Byron, Machine Works, 411 Market, San Francisco, Cal.
Jeanesville Iron Works, Hazleton, Pa.
Keystone Driller Co., Beaver Falls, Pa.

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Kingsford Fdry. & Mach. Wks., Oswego, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Kruger & Blind Co., 511 Master, Phila., Pa.
Lawrence Machine Co., Lawrence, Mass.
Leyner, J. Geo. Engineering Works Co., Littleton, Colo.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McGowan, John H. Co., Cincinnati, O.
Manistee Iron Works Co. (Marine), Manistee, Mich.
Marion Machine & Tool Co. (High Duty), Marion, Ind.
MARYLAND EQUIPMENT & SUPPLY CO., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Maslin, John & Son, 167 1st, Jersey City, N. J.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moore, Chas. C. & Co., San Francisco, Cal.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Mullen, Jno. & Son ("Allison" Cataract), Shamokin, Pa.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co. (High Duty), Upper Sandusky, O.
Nordberg Mfg. Co., Milwaukee, Wis.
Northwest Thresher Co., Stillwater, Minn.
Nye Steam Pump & Machinery Co., 70 W Wash'n, Chicago, Ill.
Ohio Steam Pump Co., Canton, O.
Pattin Bros. Co., Marietta, O.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & CONStruction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, F. M., Steam Pump Co., West Allis, Wis.
Pulsometer Steam Pump Co., Whitehall bldg, New York
Queen City Engineering Co., Buffalo, N. Y.
Reliance Machine & Tool Works ("Hooker"), 3333 Franklin av, St. Louis, Mo.
Roberts, George J. & Co., Dayton, O.
Rodgers Iron Mfg. Co., Muskegon, Mich.
Roots, P. H. & F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Scranton Steam Pump Co., Scranton, Pa.
Smeallie Bros., Amsterdam, N. Y.
Smedley Steam Pump Co., Dubuque, Ia.
SNOW STEAM PUMP WORKS (High & Low Pressure), 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Southern Car Mfg. & Supply Co., Chattanooga, Tenn.
Southwark Foundry & Machine Co., Phila., Pa.
Springfield Elevator & Pump Co., Springfield, Mass.
Sydnor Pump & Well Co., Richmond, Va.
Taber Pump Co., 90 Ellicott, Buffalo, N. Y.
Thompson Mfg. Co., Lancaster, N. H.
Turners Falls Machine Co., Turners Falls, Mass.
Union Iron Works Co., San Francisco, Cal.
Union Steam Pump Co. ("Moore," "Burnham"), Battle Creek, Mich.
Vandusen, E. W. Co., 428 E 2d, Cincinnati, O.
Van Wie Pump Co., Syracuse, N. Y.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Walker Mfg. Co., Fenton, Mich.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Warren Steam Pump Co., Warren, Mass.
Weinman Machine Works, Columbus, Ohio.
Weir & Craig Mfg. Co., 2439 Wallace, Chicago, Ill.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.
Wetmore Iron Works, Lowville, N. Y.
Wheeler, C. H., Mfg. Co., Lehigh & N. 18th, Phila., Pa.
Wheeler Condenser & Engineering Co., Carteret, N. J.
Wilkinson Mfg. Co., Bridgeport, Pa.
Willamette Iron & Steel Works, Portland, Ore.
Wilson-Snyder Mfg. Co., Pittsburg, Pa.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WORTHINGTON, HENRY R. (High & Low Pressure), 115 B'way, New York; (See adv. index & branch offices, end of book)
York Mfg. Co. (Ltd.), York, Pa.

Pumps (Steam Turbine)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Dayton Hydraulic Machinery Co., Dayton, O.
De Laval Steam Turbine Co., Trenton, N. J.
Prescott, Fred. M., Steam Pump Co., West Allis, Wis.

*Pumps (Stuff)

(See also Pumps, Fan & Stuff)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

*Pumps (Suction Box)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

Pumps (Sugar House)

Advance Pump & Compressor Co., Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Works, ft of E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Davidson, M. T., 48 Keap, Brooklyn, N. Y.
Dean Bros.' Steam Pump Works, Indianapolis, Ind.
Douglass, W. & B., Middletown, Conn., & 85 John, New York
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
International Steam Pump Co., 115 B'way, New York
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
National Fdy. & Machine Co., Louisville, Ky.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Roots, P. H. & F. M. Co., Connersville, Ind.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.

*Pumps (Sulphur Fume)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

Pumps (Syphon)

Barnes Mfg. Co., Mansfield, O.
Challenge Co., Batavia, Ill.
Chaplin-Fulton Mfg. Co., Pittsburg, Pa.
DEMING CO., Salem, O. (See adv. index, end of book)
Eynon-Evans Mfg. Co., 1519 Clearfield, Phila., Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Humphreys Mfg. Co., Mansfield, O.
Leng's, Jno. S. Son & Co. ("Lansdell's"), 33 Murray, New York
Myers, F. E., & Bro., Ashland, O.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Wilson & McDaniel Co. ("W. & McD."), 146 N 7th, Phila., Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Pumps (Tail)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

Pumps (Tank)

Advance Pump & Compressor Co., Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Barnes Mfg. Co., Mansfield, O.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Flitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Pitts. Co. (Low Down), Buffalo, N. Y.
Bushnell Pump Co., Bushnell, Ill.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
Case, J. I. Threshing Machine Co., Racine, Wis.
Cedar Rapids Pump Co., Cedar Rapids, Iowa
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Clot & Christ Machine Co., San Francisco, Cal.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Flint & Walling Mfg. Co., Kendallville, Ind.
Foster Pump Works, 224 Plymouth, Brooklyn, N. Y.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Love Mfg. Co., Rockford, Ind.
Lucas, C. O. & Co. Greenville, O.
Luitwieler Pumping Engine Co. ("Non-Pulsating"), Rochester, N. Y.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Iowa
McGowan, Jno. H. Co., Cincinnati, O.
Manistee Iron Works Co., Manistee, Mich.
Marion Machine & Tool Co. ("Low Duty"), Marion, Ind.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
Myers, F. E. & Bro., Ashland, O.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co. (Low Duty), Upper Sandusky, O.
Nicholas & Shepard Co. (Low Down), Battle Creek, Mich.
Peters Pump Co., Kewanee, Ill.
Port Huron Mfg. Co., Port Huron, Mich.
Porter, J. E. Co., Ottawa, Ia.
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Quimby, Wm. E. (Inc.), 3 W 29th, New York
Racine Rice Machinery Co., Racine, Wis.
Red Cross Mfg. Co., Bluffton, Ind.

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Red Jacket Mfg. Co., Davenport, Ia.
Roots, P. H. &F. M. Co., Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Smeallie Bros., Amsterdam, N. Y.
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Stewart Heater Co., Buffalo, N. Y.
Trahern Pump Co., Rockford, Ill.
Union Steam Pump Co., Battle Creek, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Ward Pump Co., Rockford, Ill.
Weinman Machine Works, Columbus, Ohio.
Wells, F. C. (Est. of), 116 S Clinton, Chicago, Ill.
WHITMAN & BARNES MFG. CO., Chicago, Ill., & 111 Chambers, New York. (See adv. index, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Pumps (Tannery)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)

Pumps (Tar)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Cameron, A. S. Steam Pump Works, ft. E. 23d, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)

Pumps (Test)

Ashcroft Mfg. Co., 85 Liberty, New York
Bellfield, H. & Co., 433 N Broad, Phila., Pa.
BERNZ, OTTO, S. 13th & S. Orange av., Newark, N. J. (See adv. index, end of book)
Boekel, Wm. & Co. (Gas Fitters), 518 Vine, Phila., Pa.
Cleveland Steam Gauge Co., 1619 Merwin, N. W., Cleveland, O.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Douglas, W. & B., Middleton, Conn., 85 John, New York
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Henderer's, A. L. Sons (Boiler Makers), Wilmington, Del.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Perkes, Chas. (Est. of), 627 Arch, Phila., Pa.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.

Pumps (Tire)

(See Pumps, Air, Tire)

*Pumps (Track)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

Pumps (Triplex)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (Power), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Pumps (Turbine)

Alberger Condenser Co., 95 Liberty, New York
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buffalo Steam Pump Co., Buffalo, N. Y.
Dayton Hydraulic Machinery Co. (For Mine Drainage, etc.), Dayton, O.
Erie Pump & Engine Co., Erie Pa.
Kingsford Foundry & Machine Works (Motor Driven), Oswego, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lea Equipment Co. ("Lea-Degen" High Duty), 90 West, New York
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M. Steam Pump Co., West Allis, Wis.
Tacony Iron Co., Tacony, Phila., Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Pumps (Underwriters')

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (Se adv. index & branch offices, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Vacuum)

Advance Pump & Compressor Co., Battle Creek, Mich.
Alberger Condenser Co., 95 Liberty, New York
American Air Compressor Works, 26 Cortlandt, New York, & Van Brunt & Summit, Brooklyn, N. Y.
American Steam Pump Co., Battle Creek, Mich.
Beach-Russ Co., 59 Greene, Brooklyn, N. Y.
Bellows Falls Machine Co. (For Sulphite Systems), Bellows Falls, Vt.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Buffalo Foundry & Machine Co., Buffalo, N.Y.
Buffalo Steam Pump Co. (Crank & Flywheel & Single Cylinder), Buffalo, N. Y.
Bury Compressor Co., Erie, Pa.
Cameron, A. S. Steam Pump Works, ft E 23d, New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Carpenter, Thos. D., 93 Pearl, Brooklyn, N. Y.
Carron, A. M. & Co. (Small, Electric), 220 Penn av, Pittsburg, Pa.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Columbus Steam Pump Works, Columbus, O.
Crowell, Gilmer ("Crowell"), 296 Taaffe pl, Brooklyn, N. Y.
Davidson, M. T. (Air & Vacuum), 43 Keap, Brooklyn, N. Y.
Dayton Hydraulic Machinery Co., Dayton, O.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Devine, J. P. Co. ("Emil Passburg" system), Buffalo, N. Y.
Economic Power & Pump Co., 84 Cortlandt, New York
Emerson Steam Pump Co. (Steam), Alexandria, Va
Epping-Carpenter Co., Pittsburg, Pa.
Fahn & McJunkin ("Geryk" for Lamp Factories), 201 E. 16th, New York
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
General Machine Works ("York," Rotary), York, Pa
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Guild & Garrison, Kent av & S 10th, Brooklyn, N. Y.
Heisler Mfg. Co. (Wet & Dry), St. Marys, O.
Hubbard's, Norman Sons ("Packard"), 265 Water, Brooklyn, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. Works, East Cambridge. (See adv. index & branch offices, end of book)
Marion Machine & Tool Co. (Low Duty), Marion, Ind.
Maslin, Jno. & Son, 163 1st, Jersey City, N. J.
National Foundry & Machine Co., Louisville, Ky.
New York Air Brake Co., 165 B'way, New York
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Rumsey & Co. (Ltd.) (Air Compressed Pump Combined), Seneca Falls, N. Y.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
Union Steam Pump Co., Battle Creek, Mich.
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Weinman Machine Works, Columbus, Ohio.
West St. Louis Machine & Tool Co., St. Louis, Mo.
Wheeler Condenser & Engineering Co. (Wet & Dry), Carteret, N. J.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Pumps (Vacuum, Dry & Wet)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
SNOW STEAM PUMP WORKS, 115 B'way, New York; Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

*Pumps (Volute)

WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Pumps (Water Works)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bethlehem Foundry & Machine Co. (50,000 to 3,000,000 Gals. in 24 Hours), South Bethlehem, Pa.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

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Buffalo Steam Pump Co., Buffalo, N. Y.
Canton-Hughes Pump Co., Canton, O.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
DEMING CO., Salem, O. (See adv. index, end of book)
Epping-Carpenter Co., Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Heisler Mfg. Co. (Horizontal), St. Marys, O.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York. (See adv. index & branch offices, end of book)
LAIDLAW-DUNN-GORDON CO., 115 B'way, New York; Works: Cincinnati, O. (See adv. index & branch offices, end of book)
Luitwieler Pumping Engine Co. (Non-Pulsating), Rochester, N. Y.
McGowan, Jno. H. Co., Cincinnati, O.
MINNEAPOLIS STEEL & MACHINERY Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
Nordberg Mfg. Co., Milwaukee, Wis.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry., Pittsburgh, Pa. (See adv. index, end of book)
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Prescott, Fred M., Steam Pump Co., West Allis, Wis.
Roots, P. H. & F. M. Co. (Rotary Pressure), Connersville, Ind.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
SNOW STEAM PUMP WORKS, 115 B'way, New York: Works: Buffalo, N. Y. (See adv. index & branch offices, end of book)
WAGENER STEAM PUMP WORKS, Canton, O. (See adv. index, end of book)
Wells, F. O. (Est. of), 116 S Clinton, Chicago, Ill.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa.

Pumps (Windmill)

(See also Windmills)

Aermotor Co., Campbell av, nr. 12th, Chicago, Ill.
Althouse-Wheeler Co., Waupun, Wis.
Baker Mfg. Co., Evansville, Wis.
Barnes Mfg. Co., Mansfield, O.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Chandler Pump Co., Cedar Rapids, Ia.
Columbiana Pump Co., Columbiana, Ohio
Cook-Well Co., 15 S 4th, St. Louis, Mo.
Corcoran, A. J. (Inc.), 11 John, New York. Works, Jersey City, N. J.
DEMING CO., Salem, O. (See adv. index, end of book)
Douglas, W. & B., Middletown, Conn., & 85 John, New York
Duplex Mfg. Co., South Superior, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
FAIRBANKS, MORSE & CO. ("Eclipse" Anti-Freezing), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Field Force Pump Co. (Force), Elmira, N. Y.
Fleming & Sons, Portland, Ind.
Flint & Walling Mfg. Co., Kendallville, Ind.
Genoa Mfg. Co., Genoa, O.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)
Mast, Foos & Co., Springfield, O.
Maud S. Windmill & Pump Co., Lansing, Mich.
Moline Pump Co., Moline, Ill.
Myers, F. E. & Bro., Ashland, O.
Pacific Pump & Windmill Co., San Francisco, Cal.
Peters Pump Co., Kewanee, Ill.
Phelps & Bigelow Windmill Co., Kalmazoo, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Sharp Mfg. Co., Albert Lea, Minn.
Temple Pump Co., 15th Place, Chicago, Ill.
U. S. Wind Engine & Pump Co., Batavia, N. Y.
Woodmanse Mfg. Co., Freeport, Ill.
Zimmerman Mfg. Co., Auburn, Ind.

Pumps (Wood)

Adams, S., Connersville, Ind.
Althouse-Wheeler Co., Waupun, Wis.
American Pump & Supply Co., Toledo, O.
Biggs, B. F. Pump Co., Lafayette, Ind.
Blatchley, Chas. G., Drexel bldg., Phila., Pa.
Bushnell Pump Co., Bushnell, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Challenge Co., Batavia, Ill.
Chandler Pump Co., Cedar Rapids, Ia.
Childs, Chas. H. & Co., Utica, N. Y.
Cincinnati Pump Co., Cincinnati, O.
Cole Bros. Lightning Rod Co., St. Louis, Mo.
Decatur Lumber & Mfg. Co., Decatur, Ill.
Depmster Mill Mfg. Co., Beatrice, Neb.
Florence Pump & Lumber Co., Memphis, Tenn.
Furber, Frank O., Saco, Maine
Gouverneur Wood Pulp Co., Gouverneur, N. Y.
Harris & Cole Bros., Cedar Rapids, Ia.
Howard & Jennings, Syracuse, N. Y.
Knight & Jillson Co., Indianapolis, Ind.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
Mercer, B. F., Alliance, O.
Moline Pump Co., Moline, Ill.
Nelson, N. O., Mfg. Co., St. Louis, Mo.
Olds Pump Co., Erie, Pa.
Page & Hill, Brasher Falls, N. Y.
Rich Pump Co., Cincinnati, O.
St. Joseph Pump & Mfg. Co., St. Joseph, Mo.
Temple Pump Co., 15 W. 15th pl, Chicago, Ill.
Torrent Pump Co., Sebring, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
West, Wm. S., Chillicothe, O.
Winship Mfg. Co., Racine, Wis.
Wood's, G. R., Sons, Sheffield, Pa.

Pumps (Wrecking)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Blakeslee Mfg. Co., DuQuoin, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Canton-Hughes Pump Co., Canton & Cleveland, O.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dean Bros.' Steam Pump Works, Indianapolis, Ind.
Douglas, W. & B., Middletown, Conn., & 85 John, New York
Epping-Carpenter Co., Pittsburg, Pa.
GOULDS MFG. CO., Seneca Falls, N. Y. (See adv. index & branch offices, end of book)
Kingsford Fdry. & Mach. W'ks, Oswego, N. Y.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Lake City Engineering Co., Erie, Pa.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
National Foundry & Machine Co., Louisville, Ky.
Nye Steam Pump & Machine Co., 70 W Washington, Chicago, Ill.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Roots, P. H. & F. M. Co., Connersville, Ind.
Swenson, J., ft. of Warren, Jersey City, N. J.
Van Wie Pump Co., Syracuse, N. Y.
Wilson-Snyder Mfg. Co., Ross & Water, Pittsburg, Pa.

Pumps & Boilers (Combined)

Blakeslee Mfg. Co., Du Quoin, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Cameron, A. S. Steam Pump Works, ft. E 23d New York
Canton-Hughes Pump Co., Canton & Cleveland, O.
Columbus Steam Pump Works, Columbus, O.
Davidson, M. T., 43 Keap, Brooklyn, N. Y.
Dean Bros.' Steam Pump Works, Indianapolis, Ind.
DEANE STEAM PUMP CO., 115 B'way, New York; Works: Holyoke, Mass. (See adv. index & branch offices, end of book)
Dow, Geo. E. Pumping Engine Co., 179 1st, San Francisco, Cal.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Hall Steam Pump Co., Pittsburg, Pa.
National Foundry & Machine Co., Louisville, Ky.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Roberts, Geo. J. Co., Dayton, O.
Roots, P. H. & F. M. Co., Connersville, Ind.
Weinman Machine Works, Columbus, Ohio
Wells, F. O. (Est. of), S. Clinton, Chicago, Ill.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Punch & Shear Combined (Hand Power)

Armstrong-Blum Mfg. Co. ("Marvel," also I Beam Punch & Slitting Shear), 107 N. Francisco av., Chicago, Ill.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Custer Mfg. Co. ("Custer"), Summitville, Ind.
Little Giant Punch & Shear Co. ("Little Giant" Lever), Sparta, Ill.
Nappanee Iron Works ("Victor" for Tinners), Nappanee, Ind.
Star, Forge Co. ("Star" Armor Plate), Buffalo, N. Y.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.
YOUNG MACHINE & TOOL CO, 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

*Punch & Shears for Band Saws

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Punch & Straightener Combined

United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa., & Youngstown, Ohio

Punches (Belt)

Atkins, E. C. & Co. ("Rogers"), Indianapolis, Ind.
Buffalo Specialty Co. ("New Play"), 375 Ellicott, Buffalo, N. Y.
Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Kraeuter & Co., Newark, N. J.
MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Peck, Stow & Wilcox Co. ("Hercules"), Southington, Conn.
Rogers, J. J. ("Rogers"), Lincoln, Neb.
Schollhorn, Wm. Co. ("Bernard's"), New Haven, Conn.
Smith, Otis A., Rockfall, Conn.
Smith & Egge Mfg. Co. ("S. & E. M. Co." Revolving Spring, etc.), Bridgeport, Conn.
Vaughn & Bushnell Mfg. Co. ("V. & B." Solid Steel), Chicago, Ill.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.

Punches (Blacksmiths')

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co., Newark, N. J.
Reall Bros. (Inc.), Alton, Ill.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Champion Tool Co. ("Champion"), Meadville, Pa.
Iron City Tool Works, 32d & Smallman, Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Pittsburg Tool & Drop Forge Co., Cheswick, Pa.
Sutton, C. E. Co., Toledo, O.
Vaughn & Bushnell ("V. & B." Center), 875 W. Carroll av., Chicago, Ill.
Verona Tool Works, Verona, Pa., & Murtland bldg, Pittsburg, Pa.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Boilermakers')

(See also Punching Machines, Boilermakers')

American Die & Tool Co., Reading, Pa.
Chester Engineering & Machine Co. ("P. & S."), Chester, Pa.

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Cleveland Steel Tool Co., Cleveland, O.
Lovejoy Tool Works (Cast Steel & Drop Forged Screw; Also with Rachet Attachment), 86 E Ohio, Chicago, Ill.
Richards, I. P. Co., Providence, R. I.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Butchers' Saw, Etc.)

Goodell-Pratt Co., Greenfield, Mass.
Thompson, H. G. & Son Co. ("Thompson's"), New Haven, Conn.

Punches (Button Hole)

Kraeuter & Co., Newark, N. J.

Punches (Center & Prick)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Beall Bros., Inc., Alton, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co. (Knurled), Meriden, Conn.
Buck Bros. (And Solid), Millbury, Mass.
Evansville Tool Works, Evansville, Ind.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Goodsell Mfg. Co., Greenfield, Mass.
Jennings, C. E. & Co., 42 Murray, New York
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Keystone Mfg. Co. ("Keystone" Center), 41 Chandler, Buffalo, N. Y.
Kraeuter & Co., Newark, N. J.
Mayhew, H. H. Co., Shelburne Falls, Mass.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Nicol & Co., 66 N. Jefferson, Chicago, Ill.
Osborne, C. S. & Co. ("C. S. O. & Co." Prick), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO. (Machinists, Center, etc.), Athol, Mass. (See adv. index & branch offices, end of book)
Stortz, Jno. & Son ("Diamond"), 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. (Knurled, Prick & Corrugated Center), Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Vaughn & Bushnell Mfg. Co. ("V. & B." Tinners), 875 W. Carroll av., Chicago, Ill.

Punches (Conductors' Ticket, Etc.)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)
Bonney-Vehslage Tool Co., 124 Chambers, New York
Bridgeport Hardware Co., Bridgeport, Conn.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Crocker, L. O., East Braintree, Mass.
International Register Co., 124 W Jackson, boul, Chicago, Ill.
Johnson, Wm. (Hedenberg Works), Newark,
Kraeuter & Co., Newark, N. J. N. J.
McGill Ticket Punch Co., 171 S Canal, Chicago, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Recording Fare Register Co., New Haven,
Sayre, L. A. Co., Newark, N. J. Conn.
Schollhorn, Wm. Co. ("Bernard's"), New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Southworth Bros., Portland, Me.
Stedman, Jno. Harry, Rochester, N. Y.
Sterling-Meaker Co., 420 Ogden, Newark, N.J.
Tower & Lyon Co., 95 Chambers, New York
Wilcox, W. W. & Co., 201 Lake, Chicago, Ill.
Woodman, R. Mfg. & Supply Co. (Cast Steel), Boston, Mass.

Punches (Coopers')

Stortz, John, & Son, 210 Vine, Phila., Pa.

Punches (Drive)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Bemis & Call Hdw. & Tool Co. (Steel), Springfield, Mass.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck, Chas., Millbury, Mass.
Clough, R. M., Tolland, Conn.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Eyelet Tool Co., 40 Lincoln, Boston
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Mayhew, H. H. Co., Shelburne Falls, Mass.
Osborne, C. S. & Co. ("C. S. O. & Co." Harness Makers, etc.), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Transue & Williams Co. (Drop Forged), Alli- ance, O.
Tuck Mfg. Co., Brockton, Mass.
Wilcox, Crittenden & Co., Middletown, Conn.
WOODS VALVE & MACHINE CO ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Flue Shearing)

CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Richards, I. P. Co., Providence, R. I.

Punches for Beams

(See Punches for Ornamental Iron Work)

Punches for Ornamental Iron Work

BRAUN, J. G., 322 S. Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)
Lewthwaite, T. H. (Power, Hand & Foot), 418 E 31st, New York
Richards, I. P. Co., Providence, R. I.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

*Punches for Scrolls

BRAUN, J. G., 322 S. Paulina, Chicago, Ill., & 537 W. 35th, New York. (See adv. index, end of book)
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Gang)

(See Punching Machines, Multiple)

Punches (Gasket)

Victor Tool Mfg. Co. ("Victor"), Waynesboro, Pa.

Punches (Hand)

Akron Machine Co., Akron, O.
American Lock Nut Co. ("Lightning Portable"), Oregon, Ill.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Bertsch & Co., Cambridge City, Ind.
Buffalo Forge Co., Buffalo, N. Y.
Excelsior Tool & Machine Co. ("Little Giant" Portable Lever), E. St. Louis, Ill.
Fulton Iron Works ("Detroit-Rice" Hand Lever), Detroit, Mich.
Evansville Tool Works, Evansville, Ind.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Keene, Geo. C & Co., Cincinnati, O.
Kidder, J. F., Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Lewthwaite, T. H., 418 E 31st, New York.
Loyd, John Co., 558 Water, New York
MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)
Mossberg, Frank, Co., Attleboro, Mass.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co (Metal), Warren, Mass.
Queen City Punch & Shear Co., 208 Lawrence, Cincinnati, O.
Richards, I. P. ("U. S." Standard Punches for Punching Iron & Steel), Providence, R. I.
Rock River Machine Co. ("Badger" Boilermakers, Tinners, etc.), Janesville, Wis.
Strait, H. N. Mfg. Co. (For Cooperage Mfrs.), Kansas City, Mo.
Vaughn & Bushnell Mfg. ("V. & B."), 875 W. Carroll av., Chicago, Ill.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Whitney, W. A., Mfg. Co. ("Uncle Sam's Choice," "The User's Pride," Portable), Rockford, Ill.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Hand Power)

Badger State Machine Co., Janesville, Wis.
Baker, Wm. H. Trenton, N. J.
Bicknell Mfg. & Supply Co., Janesville, Wis.
New Doty Mfg. Co., Janesville, Wis.
Richards, I. P. Co., Providence, R. I.
Star Forge Co. ("Star" Armor Plate), Buffalo, N. Y.
YOUNG MACHINE & TOOL CO, 211 Centre, New York, & Worcester, Mass. (See adv. index, end of book)

Punches (Hand & Tube Hole)

Chester Engineering & Machine Co. ("P. & S."), Chester, Pa.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Cleveland Steel Tool Co., 1144 W. 3rd, Cleveland, Ohio
Hilles & Jones Co., Wilmington, Del.
Long & Allstatter Co., Hamilton, O.
New Doty Mfg. Co., Janesville, Wis.
Richards, I. P. Co., Providence, R. I.

*Punches (High Speed)

CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)

Punches (Hog Ring)

Humason & Beckley Mfg. Co., New Britain, Conn.

Punches (Hollow)

Stortz, John & Son, 210 Vine, Phila., Pa.

Punches (Horizontal)

(See Punching Machines, Horizontal; also Machinery, Punching & Shearing)

Punches (Hydraulic)

(See Punching Machines, Hydraulic; also Machinery, Punching & Shearing)

*Punches (Hydraulic, for Web or T Rails, Etc.)

AMERICAN STEEL & WIRE CO., Commercial Nat. Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Punches (Marking)

Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.

Punches (Multiple)

(See Punching Machines, Multiple)

Punches (Paper)

MORRILL, CHAS. ("Morrill"), 277 B'way, New York. (See adv. index, end of book)
Tatum, Samuel C. Co. (Adjustable Office), Cincinnati, O.

Punches (Pin)

Tuck Mfg. Co., Brockton, Mass.

Punches (Pneumatic)

(See Pneumatic Punches)

Punches (Portable)

American Lock Nut Co. ("Lightning"), Oregon, Ill.
Armstrong-Blum Mfg. Co. ("Marvel," All Steel), 134 N. Francisco av., Chicago, Ill.
Excelsior Tool & Machine Co. ("Little Giant"), East St. Louis, Ill.
Kidder, J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.

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Punches (Power)

(See Machinery, Punching & Shearing; also Shears, Various Kinds)

Punches (Revolving)

Johnson, Wm. (Hedenberg Works), Newark, N. J.
Tube), Newark, N. J.
Kraeuter & Co., Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Stearns, E. C. & Co. (Revolving Spring), Syracuse, N. Y.

Punches (Round or Saddlers')

Johnson, Wm. (Hedenberg Works), Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Stortz, John, & Son, 210 Vine, Phila., Pa.

Punches (Saw)

Goodell-Pratt Co. ("Goodell"), Greenfield, Mass.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Screw)

Lovejoy Tool Works (Cast Steel & Drop Forged, also with Rachet Attachment), 86 E Ohio, Chicago, Ill.

*Punches (Sheet Metal)

MORRILL, CHAS. ("Morrill Hercules" up to 18 Gauge), 277 B'way, New York. (See adv. index, end of book)
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Solid)

Tuck Mfg. Co., Brockton, Mass.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Spring)

Johnson, Wm. (Hedenberg Works), Newark, N. J.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Springfield Machine Screw Co., Springfield, Mass.
Star Heel Plate Co. (Louis Sacks, Prop.), Hamburg pl & Ave. L, Newark, N. J.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Ticket)

(See Punches, Conductors' Ticket)

Punches (Tie Plate)

Pittsburg Tool & Drop Forge Co. ("Chesswick," for Driving Tie Plates), Works, Cheswick, Pa.
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punches (Track)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co. (Solid Cast Steel), Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Chester Engineering & Machine Co. ("P. & S."), Chester, Pa.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Murtland bldg, Pittsburg, Pa.
Iron City Tool Works (Ltd.), Pittsburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B." Tool Steel, Oil Finished), 875 W Carroll av., Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg.
Warwood Tool Co., Wheeling, W. Va. Pa.
WATSON-STILLMAN CO. (Hydraulic), 50 Church, New York. (See adv. index, end of book)
WOODS VALVE & MACHINE CO. ("Hercureka"), Steubenville, O. (See adv. index, end of book)

Punching Machines (I Beam)

(See Machines, I Beam Punching)

Punching & Shearing Machinery

(See Machinery, Punching & Shearing)

Purifiers (Feed Water)

(See also Heaters, Feed Water)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Water Softener Co. ("Bruun-Lowener"), 1003 Chestnut, Phila., Pa.
Angell, Jno. E. & Co. (Chemical), St. Louis, Mo.
Bates Machine Co. ("Cookson" System), Joliet, Ill.
Berry Engineering Co. ("Berry" "Monograph"), Chester, Pa.
Colles, E. G. T., & Co. ("Colles" Automatic Live Steam Filter & Purifier), 20 S Canal, Chicago, Ill.
Davis, I. B. & Son, Hartford, Conn.
Dodge Mfg. Co. ("Eureka"), Mishawaka, Ind.
Duquesne Mfg. Co. ("Gunning"), Pittsburg, Pa.
Eclipse Feed Water & Purifier Co., Appleton, Wis.
Economy Iron Works ("Dougherty"), Chester, Pa.
Erie Machine Shops ("Jackson"), Erie, Pa.
Frost Mfg. Co., Galesburg, Ill.
Fulton Iron Works ("Llewellyn"), San Francisco, Cal.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av., Phila., Pa. (See adv. index & branch offices, end of book)
Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa.
Harrison Safety Boiler Works ("Sorge"), **Hoppes Mfg. Co., Springfield O. Phila., Pa.**
Jacobs, Chas. Co., 51 Oliver, Boston, Mass.
Jewell Engineering Co., 206 W Lake, Chicago, Ill.
Just Mfg. Co., Heed bldg., Phila., Pa.
Kennicott Water Softener Co., 206 La Salle, Chicago, Ill.
Keyes, F. E., & Son ("Advance"), 20 Broad,
Liberty Mfg. Co., Pittsburg, Pa. New York
McGowan, Jno. H. Co., Cincinnati, O.
Marion Incline Filter & Heater Co., Marion, O.
Moffat Feed Water Heater & Purifier Co. (Ltd.), Detroit, Mich.
Northern Water Softener Co. ("Bartlett"), Madison, Wis.
Patterson, D. W. ("Machman" System), Harrison bldg, Phila., Pa.
Patterson, Frank L. & Co., 26 Cortlandt, New York
PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)
Pittsburg Feed Water Heater Co., Pittsburg, Pa.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Platt Iron Works Co., Dayton, O. Pa.
Power Plant Specialty Co. ("Vater"), 247 S Jefferson, Chicago, Ill.
Ross Valve Co. ("Railton," "Campbell"), Troy, N. Y.
SCAIFE, WM. B. & SONS CO. ("Scientific"), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Steam Appliance Mfg. Co. ("Judge," "Morrison"), Batavia, N. Y.
Stewart Heater Co., Buffalo, N. Y.
Under-Feed Stoker Co. ("Bartlett"), 204 Dearborn, Chicago, Ill.
Ward & Upright Engineering Co., Brooklyn, N.Y.
Webster, Warren & So., Camden, N. J.
Whitlock Coil Pipe Co., Elmwood, Conn.
Wickes Boiler Co., Saginaw, Mich.

Purifiers & Scrubbers (Gas)

(See also Gas Works Apparatus & Construction; also Gas Works Machinery, Etc.)

Bartlett, Hayward & Co., Baltimore, Md.
CANTON BOILER & ENGINEERING CO., Canton, O. (See adv. index, end of book)
Continental Iron Works, West & Cayler, Brooklyn, N. Y.
Gas Machinery Co. (Rotary), Cleveland, O.
GRAVER, WM., TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Isbell-Porter Co. (Rotary Ammonia & Shaving), Newark, N. J.
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
Lloyd Construction Co., Detroit, Mich.
Riter-Conley Mfg. Co., Pittsburg, Pa.
Wood, R. D. & Co., 400 Chestnut, Philadelphia, Pa.

Push Button Centers

Auburn Button Works, Auburn, N. Y.
Scranton Button Co. (Electroid), Scranton, Pa.

Push Buttons

(For Other Electrical Specialties, see Index of Contents)

American Car & Ship Hdw. Mfg. Co., New Castle, Pa.
American Hard Rubber Co., 9 Mercer, New
Ansonia Electrical Co., Ansonia, Conn. York
BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)
Chicago Glass Novelty Co., Marion, O.
Corbin, P. & F., New Britain, Conn., & 17 Murray, New York
Couch, S. H. Co. ("Worksite"), Boston, Mass.
DELAWARE HARD FIBRE CO., Wilmington, Del. (See adv. index, end of book)
Dickinson Mfg. Co. (Rubber & Elborine), Springfield, Mass.
Dixon, Fred'k W. (Wood), 92 Utica, Boston, Mass.
Edwards & Co. ("New Mite," "Midget Jr."), 144th & 4th av, New York
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Electrical Appliance Co., Waterbury, Conn.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Keil, Francis & Son ("Anti-Wood." "Anti-Screw Midget"), 667 E 163d, New York
Manhattan Electrical Supply Co., 17 Park pl. New York
Murdock, W. J. & Co., Chelsea, Mass.
Ostrander, W. R. & Co., 22 Dey, New York
Partrick, Carter & Wilkins Co., 22d & Wood, Phila., Pa.
Pass & Seymour ("No-Scru"), Solvay, N. Y.
Penn Hardware Co. ("Penn-Hellas"), Reading, Pa.
Phelps & Sons Mfg. Co., 110 Pennington, Newark, N. J.
Rauscher, Jno. (Wood), St. Paul, Minn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Siemon Hard Rubber Corp., Bridgeport, Conn.
Spencer's, I. S. Sons, Guilford, Conn.
Starr Bros. Bell Co., East Hampton, Conn.
U. S. E. M. Co., 309 W 33d, New York
Union Hardware Co. (Wood), Torrington, Conn
Viaduct Co., Relay, Md.
Walsh, Owen, Mfg. Co., 78 Barclay, New York
Warren, A. H. & Co., Bristol, Conn.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm, Henry (Bronze), 70 Frost, Brooklyn, N. Y.
Worth Electric Novelty Co., 112 Madison av, New York
Yale & Towne Mfg. Co., 9 Murray, New York

Push Plates (Plate Glass)

Anderson, Geo. H. & Co., 281 W. Superior, Chicago, Ill.

Pushers (Car)

(See Car Movers or Pushers)

Putty Mfrs.

Acme White Lead & Color Works, Detroit, Mich.
Allentown Mfg. Co., Allentown, Pa.
American Koalin Putty Co., Salem, Mass.
American Whiting & Putty Mfg. Co., 2 Rector, New York
Baker, Wm. T. (Inc.), 228 Suydam, Jersey City, N. J.
Belknap, E. S., McSherry & Moran Co., 5 Ainslie, Brooklyn, N. Y.
Briggs, John & Co. ("Anchor"), 47 Purchase, Boston, Mass.
Butterworth, C. H. Drug & Paint Co., 62 N. Front, Phila., Pa.

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Chicago White Lead & Oil Co., Chicago, Ill.
Chicago Wood Finishing Co., 259 Elston av, Chicago, Ill.
Connors, Wm. Paint Mfg. Co. (American Seal White Lead), Troy, N. Y.
Devoe, F. W. & C. T. Raynolds Co., 103 Fulton, New York, & Chicago, Ill.
Dicks & Wiggim Co., Dayton, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Fuller's, Geo., Sons, Hallowell, Me.
Grote, Geo. W. & Co. (Stone), 432 E 102d, New York
Harlem Roofing & Waterproofing Co., 147 E. 125th, New York
Hoffman, J. W. & Co., Boston, Mass.
Jacobs, S., & Sons, 1365 Flushing av., Brooklyn, N. Y.
Kent & Purdy Paint Co., 701 N 2d, St. Louis, Mo.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lucas, John & Co., 322 Race, Phila., Pa.
Mark, Jacob Sons (Blue Putty), 1233 2d av, New York
NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
Wilhelm, A., Co., Reading, Pa.

Putty Mfrs. (Stovemakers')

Cleveland Stone Co., Hickox bldg, Cleveland, O.
Colebrook, W. H. & Son ("Colebrook"), 1419 Orange, Syracuse, N. Y.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Harlem Roofing & Waterproofing Co., 147 E 125th, New York
PECORA PAINT CO. (S. Bowen's Son, Successor). ("Pecora"), 4th st & Reading R R, Phila., Pa. (See adv. index, end of book)
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)

Putty Ornaments

(See Ornaments, Composition)

Putty Powder

Anderson Bros., Jamaica Plain, Boston, Mass.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
HARRISON SUPPLY CO., 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Johnston & Jennings (All Grades), Cleveland, Ohio
Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Rhodes, Jas. H. & Co. (Green & White), 117 Kinzie, Chicago, Ill.

Putty (Roof)

Armitage Mfg. Co., Richmond, Va.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
McDonough, S. E. Co., Hazlewood, Pittsburg, Pa.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Pyrites of Iron

Arminus Chemical Co., 56 Wall, New York
Davis Sulphur Ore Co., 82 Beaver, New York

Pyrographic Needles

Beesley, A. J., 130 W 116th, New York
Solar Pyro Mfg. Co., 244 W 23d New York
Wiseman Mfg. Co., 140 W 23d, New York

Pyrometers

American Steam Gauge & Valve Mfg. Co., Boston, Mass.
Ashcroft Mfg. Co., 85 Liberty, New York
BRISTOL CO., Waterbury, Conn. (See adv. index & branch offices, end of book)
Bristol, Wm. H. ("Wm. H. Bristol," Recording Electric for all Ranges to 3,000 Fahr.), 45 Vesey, New York
Brown, Edward & Son (All Kinds), 313 Walnut, Phila., Pa.
Central Laboratory Supply Co. ("Vawter" Recording), La Fayette, Ind.
CHICAGO FLEXIBLE SHAFT CO., ("Le Chatelier's"), La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Dixon, H. L. Co. ("Price"), Roslyn, Pa.
Du Vivier, Ernest H., 30 Church, New York
Eimer & Amend, 18th & 3d av, New York.
Engelhard, Charles (Imported "Heralus Le Chatelier"), 30 Church, New York
Frink Pyrometer Co. ("Frink"), Columbus, O.
Hoskins Mfg. Co. (Electric), Detroit, Mich.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Leeds & Northrup Co. (Electric Resistance), 4901 Stenton av, Gtn, Phila., Pa.
Marsh, Jas. P. & Co., 224 Washington, Chicago, Ill.
MORSE THERMO GAGE CO. (Optical), Ithaca, N. Y. (See adv. index, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Oelschlaeger Bros. ("Importers"), 110 E 23d, New York
Pelton & Crane, Detroit, Mich.
Phila. Thermometer Co., 54 N 9th, Phila., Pa.
QUEEN & CO. (Ltd.), N. W. Cor. 8th & Arch, Phila. Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Stupakoff, S. H. ("Le Chatelier"), 545 Turret, Pittsburg, Pa.
Tagliabue, Chas. J. Mfg. Co., 53 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.
Thwing, Chas. B. (Electrical), Head bldg., Phila., Pa.
Uehling Instrument Co. (Pneumatic Recording), Passaic, N. J.
Weiskopf, Abraham, 127 Market, Chicago, Ill.
Wilson-Maeulen Co. (Imported "Advance," Electric), Prince Bay, N. Y.
Zaubitz, August (Up to 3000 Degrees Fahr.), 95 Cliff, New York

*Pyroxylin

INTERNATIONAL SMOKELESS POWDER & Chemical Co., 140 Cedar, New York

Quarries

(See Cement Manufacturers: Granite Producers, etc.; Lime Manufacturers; Marble Producers; Roofing Slate Manufacturers; Stone Producers)

*Quarry Equipment (New & Second-Hand)

MARYLAND EQUIPMENT & SUPPLY CO., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)

Quarry Hoists & Machinery

(See Hoists of Various Kinds; Cranes of Various Kinds; Drills, Rock; Derricks; Engines, Hoisting, Etc).

Quartermaster's Department, U. S. Army

(Officers of Quartermaster's Department, U. S. Army, who have charge of construction work.)

Lieut.-Col. Fred'k G. Hodgson, Phila., Pa.
Lieut.-Col. George Ruhlen, Washington, D. C.
Major Joseph T. Crabbs, Washington, D. C.
Major Thomas Cruse, Omaha, Neb.
Major Thomas H. Slavens, Washington, D. C.
Major R. B. Turner, Boise, Idaho
Capt. Chas. C. Ballou, Fort Niagara, N. Y.
Capt. Ola W. Bell, Jefferson Barracks, Mo.
Capt. H. D. Berkeley, Fort Oglethorpe, Ga.
Capt. Harry G. Bishop, Fort Stevens, Ore.
Capt. J. J. Boniface, Fort Assiniboine, Mont.
Capt. Albert S. Brooks, Fort Douglas, Utah
Capt. Geo. C. Burnell, Fort Wood, Bedloes Island, N. Y.
Capt. Jos. C. Castner, Fort Thomas, Ky.
Capt. Harry B. Chamberlin, Columbus Barracks, Ohio
Capt. B. F. Cheatham, San Francisco, Cal.
Capt. Bertram T. Clayton, New Orleans, La.
Capt. Wm. E. Cole, Fort Des Moines, Iowa
Capt. Edgar T. Collins, Fort Wm. Henry Harrison, Mont.
Capt. G. Maury Cralle, Fort William H. Seward, Alaska
Capt. Wm. M. Cruikshank, Forts Howard, Armistead, Carroll & McHenry, Md.
Capt. Jos. T. Davidson, Fort Screven, Ga.
Capt. Wm. D. Davis, Sheridan, Wyo.
Capt. Clarence E. Day, Fort Huachuca, Ariz.
Capt. Moor N. Falls, Governors Island, N. Y.
Capt. Henry B. Farrar, Fort Du Pont, Del.
Capt. Lawrence J. Fleming, Fort Sam Houston, Texas
Capt. Chas. G. French, Fort Wayne, Mich.
Capt. Louis F. Garrard, Jr., Mobile, Ala.
Capt. George L. Goodale, Boston, Mass.
Capt. Peter C. Hains, Jr., Fort Hamilton, N. Y.
Capt. Verling K. Hart, Cheyenne, Wyo.
Capt. Harold P. Howard, Fort Walla Walla, Wash.
Capt. Evan H. Humphrey, Honolulu, Hawaii
Capt. Clyde D. V. Hunt, San Diego, Cal.
Capt. B. B. Hyer, Fort Myer, Va.
Capt. Robert H. Kelton, Fort Monroe, Va.
Capt. Amos W. Kimball, St. Paul, Minn.
Capt. Chas. H. Martin, Vancouver Barracks, Wash.
Capt. L. S. Miller, Fort Barrancas, Fla.
Capt. Jas. E. Normoyle, Fort Leavenworth, Kans.
Capt. Geo. H. Penrose, Fort Benjamin Harrison, Ind.
Capt. F. W. Phisterer, Fort Columbia, Wash.
Capt. Hiram McL. Powell, Fort Bliss, Tex.
Capt. Leon S. Roudlez, Fort Robinson, Neb.
Capt. John S. Sewell, Washington Barracks, D. C.
Capt. Edward A. Shuttleworth, Fort Wright, Wash.
Capt. Ralph R. Stogsdall, Fort Crook, Neb.
Capt. Ernest R. Tilton, Fort Totten, N. Y.
Capt. Chas. C. Walcutt, Jr., Prescott, Ariz.
Capt. Wm. Weigel, Fort Sheridan, Ill.
Capt. Walter M. Whitman, Fort Riley, Kans.
Capt. W. T. Wilder, Fort Slocum, N. Y.
Lieut. John C. Ashburn, Plattsburg Barracks, N. Y.
Lieut. Michael H. Barry, Fort Dade, Fla.
Lieut. David H. Biddle, Fort Meade, South Dak.
Lieut. Earl Biscoe, Fort Hunt, Va.
Lieut. A. T. Bishop, Fort De Soto, Fla.
Lieut. W. A. Blain, Fort Ontario, N. Y.
Lieut. James Blyth, Fort McIntosh, Tex.
Lieut. Arthur L. Bryant, Fort Du Pont, Del.
Lieut. Chas. C. Burt, Fort Worden, Wash.
Lieut. Bowers Davis, Fort Lincoln, N. Dak.
Lieut. J. C. Fairfax, Fort Logan, Colo.
Lieut. Wm. R. Harrison, Fort Caswell, N. C.
Lieut. Ralph E. Herring, Fort Washington, Md.
Lieut. Milton G. Holliday, Fort Ethan Allen, Vt.
Lieut. W. E. Holliday, Fort McPherson, Ga.
Lieut. Henry S. Kilbourne, Fort Rodman, Mass.
Lieut. John McBride, Fort McKinley, Me.
Lieut. William H. Menges, Key West Barracks, Fla.
Lieut. Willis C. Metcalf, Fort Adams, R. I.
Lieut. William N. Michel, Fort Moultrie, S. C.
Lieut. H. G. Miller, Fort Flagler, Wash.
Lieut. Geo. L. Morrison, Fort Wingate, N. Mex.
Lieut. Jos. E. Myers, Fort Michie, N. Y.
Lieut. John M. Page Fort Greble, R. I.
Lieut. Wm. Paterson, Fort Hancock, N. J.
Lieut. John S. Pratt, Fort Mansfield, R. I.
Lieut. Granville Sevier, Fort Casey, Wash.
Lieut. John P. Spurr, Fort Terry, N. Y.
Lieut. D. W. Strong, Fort Brady, Mich.
Lieut. Geo. H. Terrell, Fort H. G. Wright, N. Y.
Lieut. Matthew H. Thomlinson, Alcatraz Island, Cal.
Lieut. Robert L. Weeks, Fort Logan H. Roots, Ark.
Lieut. Chas. D. Winn, Fort Preble, Me.
Lieut. Robert F. Woods, Fort Williams, Me.
Lieut. A. J. Woude, Fort Keogh, Mont.

Rabbits (Iron)

Illinois Iron & Bolt Co., Carpentersville, N. Y.

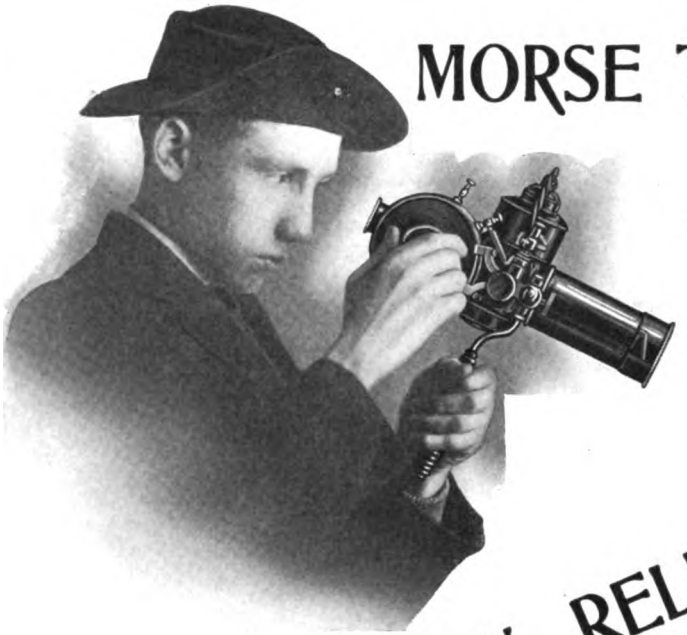
Racks (Armature)

American General Engineering Co. ("A. G E."), 253 B'way, New York

Racks (Baggage)

Adams & Westlake Co., Ontario, c N Franklin, Chicago, Ill.
Rostand Mfg. Co., Milford Conn. ("McCarthy's" Hat & Baggage Racks for Passenger Cars)

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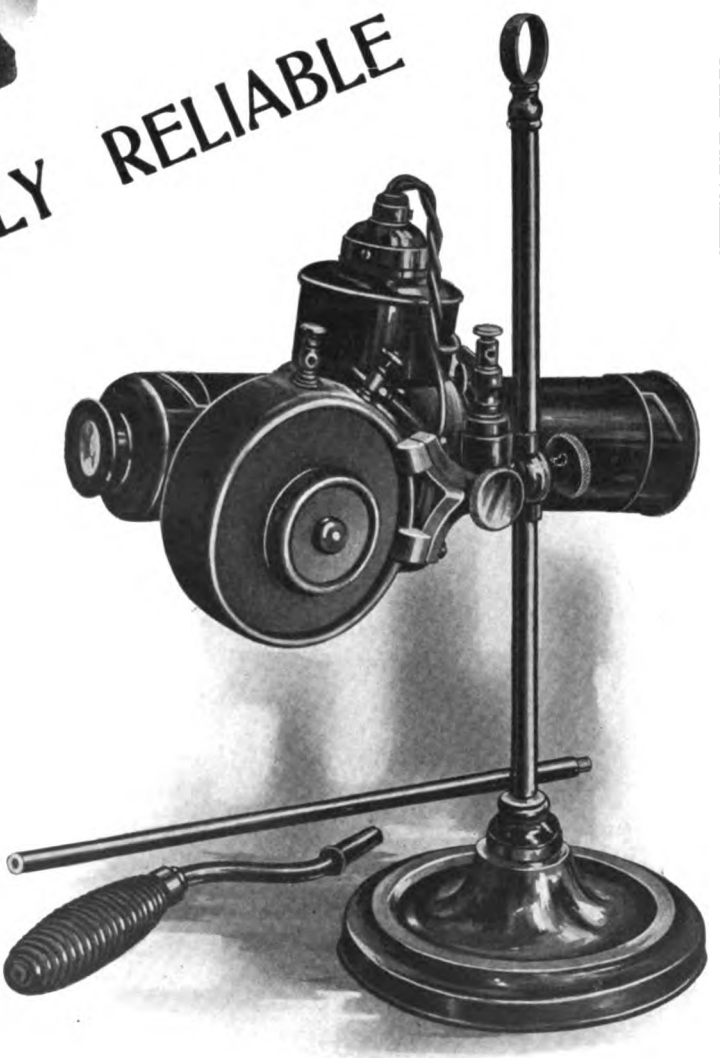


MORSE THERMO GAGE

(OPTICAL PYROMETER)

Reads all temperatures from first degree of incandescence to highest used in the Arts.

ABSOLUTELY RELIABLE



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NEW YORK

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?

Hendricks' Commercial Register

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Racks (Bicycle)

Bramer, A. & D., Boston, Mass.
Gould Co., 24 N Canal, Chicago, Ill.
Gregory, Giles R., Norfolk, O.
Myers, F. E. & Bro., Ashland, O.
Union Mfg. Co., Toledo, O.

Racks (Core Handling)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Moyer Tramrail Co., 134 S. 3rd, Phila., Pa.

Racks (Cut)

Boston Gear Works (Brass, Steel & Cast Iron), Norfolk Downs, Boston, Mass.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. Y. (See adv. index, end of book)
Caldwell, H. W., & Son Co. (Spur, etc.), 17th & Western av, Chicago, Ill.
DAVIS, RODNEY, 626 Race, Phila., Pa. (See adv. index, end of book)
FAWCUS MACHINE CO., 2820 Smallman, Pittsburg, Pa. (See adv. index, end
FOOTE BROS. GEAR & MACHINE CO., 44-50 N Carpenter, Chicago, Ill. (See adv. index, end of book)
GANSCHOW, WM. CO., 270 Washington boul., Chicago, Ill. (See adv. index, end of book)
Gould & Eberhardt, Newark, N. J.
Horsburgh & Scott Co., 5114 Hamilton, Cleveland, Ohio
JAMES, D. O. MFG. CO. 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINEry Co, Minneapolis, Minn. (See adv. index & branch offices, end of book)
NUTTALL, R. D. CO. (Machine Cut), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Philadelphia Gear Works (Inc.) (Brass, etc.), 12th & Vine, Phila., Pa.
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)
Simonds Mfg. Co., Pittsburg, Pa.
STANDARD GAUGE STEEL CO. (Finished), Beaver Falls, Pa. (See adv. index, end of book)
Walcott, Geo. D. & Son, Jackson, Mich.

Racks (Display)

Bryan Novelty Mfg. Co. (Also Newpaper, Oil Cloth, etc.), Bryan, O.

*Racks (Dowel)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

*Racks (Filing)

ESTEY BROS. CO. (Wire), 126 Liberty, New York. (See adv. index, end of book)

Racks for Cold Storage Rooms

Market Forge Co. (Galvanized Iron Coin), Barrett & Fulton, Boston, Mass.

Racks (Hat, Coat & Towel)

Arcade Mfg. Co., Freeport, Conn.
Cassady-Fairbank Mfg. Co. (Towel Rollers), 6106 La Salle, Chicago, Ill.
Grab, Victor M., & Co. ("Yale" Cloak & Hat), Ashland Block, Chicago, Ill.
Landers, Frary & Clark (Towel Racks, Polished, Solid Brass), New Britain, Conn.
Lewis, Samuel ("Lockit" Towel Roller), 5 Front, New York
Linton, W. H., Co. (Three Arm Brass Plated Towel Racks), Ogdensburg, N. Y.
McKenna Bros. Brass Co., Pittsburg, Pa.
Montrose, E. W. (Wood, Hat & Coat), Galien,
Parks & Parks, Troy, N. Y. Mich.
TURNER & SEYMOUR MFG. CO., Torrington, Conn (See adv. index, end of book)
Wire Goods Co. ("Ideal" Towel Rack), Worcester, Mass.

Racks (Insulated)

Fletcher Mfg. Co. ("Fletcher"), Dayton, O.

*Racks (Machine)

STANDARD GAUGE STEEL CO. (Finished Cut Steel), Beaver Falls, Pa. (See adv. index, end of book)

*Racks (Mining Machine)

NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book

Racks (Oven)

Union Steel Screen Co. (Ltd.), Albion, Mich.

Racks (Pattern Storage)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Racks (Pipe)

Grabler Mfg. Co. (For Heavy Pipe), Cleveland, O.

Racks (Portable Forge)

Lyon Metallic Mfg. Co., Aurora, Ill.

Racks (Postal Bag)

Harrison Postal Bag Rack Co., Fond du Lac, Wis.

Racks (Steel Storage)

Ohio Ceramic Engineering Co., Cleveland, O.

Racks (Stock Room)

Jefferis, Richard Co. ("Jefferis" Pressed Steel)
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Racks (Tool)

Cleveland Wire Spring Co. (Sheet Metal), Cleveland, O.
Davis Mfg. Co., 267 5th, Milwaukee, Wis.
Federal Fixture Co., 497 W. Kinzie, Chicago, Ill.
Keighley, S., Metal Ceiling & Mfg. Co. (Steel Shelf), 824 Locust, Pittsburg, Pa.
Lyon Metallic Mfg. Co., Aurora, Ill.
Mfg., Equipment & Engineering Co., 209 Washington, Boston, Mass.
Massey Machine Co., Watertown, N. Y.
New Britain Machine Co. (Portable), New Britain, Conn.
Ohio Mfg. Co., Painesville, O.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book.)

Racks (Towel)

Browne & Dowd Mfg. Co., Meriden, Conn.
Forsyth Mfg. Co., Buffalo, N. Y.
Franklin Specialty Co. ("New Imperial" Roller Nickel Plated), Reading, Pa.
Hawes-Loanna Co., Towanda, Pa.
Phillips, A. J. Co., Fenton, Mich.
Rocky Hill Hardware Co. (Towel & Clothes), Rocky Hill, Conn.
Taplin Mfg. Co. ("Ideal"), New Britain, Conn.

Racks (Wine Bottle)

Bataille, Achille & Co., 587 Hudson, New York
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)

*Radiator Bases

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Radiator (Bronze)

(See Bronze Powders)

Radiator Dust Catchers

Hawkins, Rollyn Co., Indianapolis, Ind.

Radiator Guards (Wire)

(See Radiator Shields)

Radiator Screens (Ornamental)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)

Radiator Shields

Acme Fancy Wire Works (Also Guards), Detroit, Mich.
Buffalo Wire Works Co. (Also Guards), Buffalo, N. Y.
Decatur Cornice & Roofing Co. ("Perfect"), Decatur, Ill.
ESTEY WIRE WORKS CO. (Also Guards), 59 Fulton, New York. (See adv. index, end of book)
Foster, Wm., & Sons Co., Springfield, Ill.
Haines & Co., 747 W Lake, Chicago, Ill.
Hawkins, Rollyn Co., Indianapolis, Ind.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
HOWARD & MORSE (Also Guards), 45 Fulton, New York. (See adv. index, end of book)
Lyon Metallic Mfg. Co., Aurora, Ill.
MEYERS, FRED. J. MFG. CO. (Also Guards), Hamilton, O. (See adv. index, end of book)
Monash-Younker Co. ("Dixon" & "Monash"), 206 S. Canal, Chicago, Ill.
Prentice, L. H. Co., 34 Sherman, Chicago, Ill.
Rutherford, J., & Son ("Star"), Akron, O.
Tuttle & Bailey Mfg. Co. (Ornamental Cast Iron or Bronze), 83 Beekman, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS (Also Guards), Milwaukee, Wis. (See adv. index, end of book)

*Radiator Union Nipple Clutch

SIMMONS, JNO. CO. ("Benton" for Radiator Valves), 106 Centre, New York, N. Y. (See adv. index, end of book)

Radiators (Electric)

GENERAL ELECTRIC CO. (Luminous), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Simplex Electric Heating Co., Cambridge, Mass.

Radiators (Electric Car)

(See Heaters, Electric Car)

Radiators (Gas)

American Beauty Gas Stove Co. ("American Beauty"), Erie, Pa.
American Stove Co. ("Reliable"), 414 N. 6th, St. Louis, Mo.
Clark, Geo. M. & Co. ("Jewell"), 82 Michigan av., Chicago, Ill.
Clow, J. B., & Sons Co. (Combination Gas & Steam, Chicago, Ill.
Crane, Wm. M. Co., 16 W 32d, New York
Dangler Store Co. (Branch), Cleveland, O.
Detroit Heating & Lighting Co., Wright, ar Leib, Detroit, Mich.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Milwaukee Gas Stove Co., Milwaukee, Wis.
New York Gas Stove Works, 243 Water, New
Ringen Stove Co., St. Louis, Mo. York
Southard-Robertson Co., 257 Water, New York
Union Stove Works, 70 Beekman, New York
Wejakittle, A. & Son, Baltimore, Md.

Radiators (Hot Air)

International Radiator Co., Inc. (Sheet Steel), 1309 Arch, Phila., Pa.

Radiators (Hot Water & Steam)

Advance Radiator Co., Syracuse, N. Y.
American Radiator Co. ("American"), General Office, 282 Michigan av., Chicago, Ill.
Backus Co. (Portable, Steam, for Gaseous Fuel), Brandon, Vt.
Buffalo Radiator Co., Buffalo, N. Y.
Central Radiator Co., 37 Wall, New York.
Fowler & Wolfe Mfg. Co. (Wall Radiators), Phila. Bourse, Philadelphia, Pa.
Fuller-Warren Co. ("Regina," "Fowler & Wolfe" & "Regal"), Milwaukee, Wis

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Gibson Iron Works ("Exeter"), Gibson City, Ill.
Gurney Heater Mfg. Co. ("Narrow" & "Duet"), 188 Franklin, Boston, Mass.
Holland Radiator Co. ("Calor," "Bremen," "Eclipse," "Reliance" & "Unique"), 38 Dearborn, Chicago, Ill.
Hopson & Chapin Mfg. Co. (Hot Water), New London, Conn.
Jarecki Mfg. Co. ("Erie"), Erie, Pa.
Kellogg-Mackay Co. ("Acme," "Corinth," "Kewanee" & "Federal Window"), 19 W 18th, Chicago, Ill.
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan, Chicago, Ill. (See adv. index, end of book)
McCrum-Howell Co. ("Richmond," Direct or Indirect Walls), 103 Park av, New York
McLain, J. H. Co. ("Seneca"), Canton, O.
Mott, J. L. Iron Works ("Star," "Utility" & "Roman"), 118 5th ave., New York.
Nason Mfg. Co. (High Pressure Steam Only), 71 Beekman, New York
National Radiator Co. ("Monarch," "Solus" & "Universal"), Johnstown, Pa.
National Tube Co. (Staggard Tube, Circular, Coil, etc.), Pittsburg, Pa.
New York Radiator Co., Utica, N. Y.
Novelty Iron Co. (Emerald), Canton, O.
Page, W. H. Boiler Co. ("Exeter," "Beacon," "Puritan," "Regal" & "Triad"), 15 Murray, New York
Phila. Hardware & Malleable Iron Works, Inc. ("Keystone"), 9th & Jeff'n, Phila, Pa.
Pierce, Butler & Pierce Mfg. Co. ("Lauraine" & "Syracuse"), Syracuse, N. Y.
Pressed Radiator Co., Pittsburg, Pa.
Prox, Frank Co., Terre Haute, Ind.
Reading Radiator Co. ("Ducol," "Tricol" & "Tropic"), Reading, Pa.
Shirley Radiator & Foundry Co., Indianapolis, Ind. Works, Shirley, Ind.
Smith, H. B. Co. ("Coronet," "Crown," "Champion Union," "Imperial Union," "Royal Union," "Sovereign Union," "Union," "Reed," "Whittier," "Gold Pin," "School Pin" & "Utica Pin"), Westfield, Mass., & 39 E Houston, New York
Sodemann Heat & Power Co. ("Ringer" & "Louis XIV"), 412 N. 6th, St. Louis, Mo.
South Park Foundry & Machine Co. ("Rising Sun"), St. Paul, Minn.
Union Radiator Co. ("Concord"), Johnstown, Pa.
U. S Radiator Co. ("Chautauqua" & "Triton"), Dunkirk, N. Y.
U. S. Radiator & Boiler Co. ("Sun," "Crown," "Ornate," "Solar" & "Star"), West Newton, Pa.
Utica Heater Co., Utica, N. Y.
Walker & Pratt Mfg. Co., Boston, Mass.
Walworth Mfg. Co., 132 Federal, Boston, Mass
Webster City Steel Radiator Co., Webster City, Ia.
Williamsport Radiator Co., Williamsport, Pa.

Radiators (Stove Pipe)

Barber Mfg. Co., Ashtabula, O.
Enterprise Foundry Co., 48 Olean, Rochester, N. Y.
Rochester Radiator Co., 268 State, Rochester, N. Y.
Ross Radiator Co. ("Ross" Smokepipe), Newburgh, N. Y.

Radiators (Water Cooling)

American Auto Brass Co., Columbus, O.
A Z Co., 527 W 58th, New York
Bliss-Chester Co., 31 Mathewson, Providence, R. I.
Borbein, H. F. & Co., 2109 N. 9th, St. Louis, Mo.
Brennan Motor Co., 101 Grape, Syracuse, N. Y.
Brisco Mfg. Co., Detroit, Mich.
Detroit Auto Specialty Co., 12 Sherman, Detroit, Mich.
Fedders Mfg. Works, 1590 Genesee, Buffalo, N. Y.
Hayes Mfg. Co., Detroit, Mich.
Hussey Drop Forge Mfg. Co., Cleveland, O.
Jinney, Steinmetz & Co., 4th & Market, Phila., Pa.
Kells, W. N. Mfg. Co., 62 Van Winkle, Jersey City, N. J.
Kinsey Mfg. Co. ("Kinwood"), Dayton, Ohio
Long Mfg. Co., 381 Wabash av, Chicago, Ill.
Mayo Radiator Co., New Haven, Conn.
Nash Mfg. Co. (Automobile), 50 Lakeview av, Buffalo, N. Y.
Randa Mfg. Co., 55 Macomb, Detroit, Mich.
Rome Turney Radiator Co., Rome, N. Y
Springfield Metal Body Co., Springfield, Mass.
Stolp Mfg. Co., cor Huron & Townsend, Chicago, Ill.
Tragesser, John, Steam Copper Works, 447 W 26th, New York
Whitlock Coil Pipe Co., Hartford, Conn.

Radius Planer Attachments

Underwood, H. B. & Co., 1023 Hamilton, Phila., Pa.

Rail Benders

(See also Rail Bending & Straightening Machines in Machinery)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Buda Foundry & Mfg. Co. ("Buda," "Jim Crow" & Roller Rail Bender), Railway Exchange bldg., Chicago, Ill. Works, Harvey, Ill.
Fall River Machine Co., Fall River, Mass.
FAIRBANKS, MORSE & CO. (Automatic or "Jim Crow"), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Flather, Mark Planer Co., Nashua, N. H.
Hardsocg Martin Co. ("Imperial" for Mine Rails), Pittsburg, Pa.
Hubbard & Co., Pittsburg, Pa.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 154 Chambers, New York. (See adv. index, end of book)
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Mesta Machine Co., Lewis bldg., Pittsburg, Pa.
Niles Mine & Mill Supply Co., Cleveland, O., & Niles, O.
Pettibone, Mulliken & Co. (Roller), 204 Dearborn, Chicago, Ill.
Pittsburg Tool & Drop Forge Co., Cheswick, Pa.
Q. M. S. Co. ("Q. & C." "Samson," Portable), Plainfield, N. J.
Secor, A. W. ("Jim Crow"), 65 Fulton, New York.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
Stine, S. B. (Plain & Ratchet), Osceola Mills, Pa.
Turner, John T. ("Williston"), Lowell, Mass.
Verona Tool Works ("Manning," Eccentric, etc.), Verona, Pa., & Pittsburg, Pa.
Wallace Supply Co. ("Jim Crow," for Light Rails, Pipe, etc.), 23 S Jefferson, Chicago, Ill.

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Zelnicker, Walter A. Supply Co. ("Zelnicker"), St. Louis, Mo.

Rail Bond Testers

(See Instruments, Electrical Testing & Measuring)

Rail Bonds

AMERICAN STEEL & WIRE CO. ("United States," "Crown" Solid Flexible Copper, Tubular Terminal, Multi-Terminal, Twin Terminal, Triple Terminal, Quadruple Terminal, Soldering), Commercial Nat. Bank bldg., Chicago, Ill. (See adv. index & branch offices end of book)
Brown, Harold P. ("Brown," Plastic, Plastic Plug, Semi-Plastic & "Brown" Solid Copper), 120 Liberty, New York
Chase-Shawmut Co. ("Shawmut" Soldered Flexible), Newburyport, Mass.
Clark Electric & Mfg. Co. ("Clark" Soldered), 135 B'way, New York
Electric Railway Improvement Co. (Copper, Electrically Welded & Electrically Braized), Cleveland, O.
Electric Service Supplies Co. ("Protected"), 1024 Filbert, Phila., Pa.
Eureka Tempered Copper Works ("The Eureka"), North East, Pa.
Falk Company, Milwaukee, Wis.
Flexible Mesh Rail Bond Co., Ypsilanti, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Goldschmidt Thermit Co. ("Thermit," Welded), 90 West, New York
Harrington, S. H. & Co., 120 Liberty, New York
Johns, H. W.-Manville Co., 100 William, New York
Lorain Steel Co. ("Lorain," Electrically Brazed), Pennsylvania bldg., Phila., Pa.
Lord Electric Co. ("Thomas" Laminated Soldered), 213 W. 40th, New York
Oakley Steel Foundry Co. (Steel Terminal), Millbury, Mass.
Ohio Brass Co. ("All Wire"), Mansfield, O.
Roebling's, John A. Sons Co. ("Columbia," all Copper), Trenton, N. J.
Wendell & MacDuffie, 30 Church, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv index & branch offices, end of book)

Rail Braces

(See also Bars, Splice)

Ajax Forge Co., 138 Jackson boul, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
American Frog & Switch Co., Hamilton, O.
Ames, W. & Co., Jersey City, N. J.
Atlas Railway Supply Co., Manhattan bldg, Chicago, Ill.
Beaver Dam Malleable Iron Co., Beaver Dam, Wis.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works, Harvey, Ill
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Chicago Crossing Co., Monadnock bldg., Chicago, Ill
CHISHOLM & MOORE MFG. CO. Malleable Iron, Tee Rail Brace), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Cincinnati Frog & Switch Co., Cincinnati, O
Colorado Fuel & Iron Co., Denver, Col.
Conley Frog & Switch Co., Memphis, Tenn
Dayton Malleable Iron Co., Dayton, O.
Dilworth, Porter & Co. ("Goldie"), Pittsburg, Pa.
Elliott Frog & Switch Co., East St. Louis, Ill.
Illinois Steel Co., 115 Adams, Chicago, Ill.
INDIANAPOLIS SWITCH & FROG CO., Springfield, O.
Kilby Frog & Switch Co., Birmingham, Ala.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Knoxville Iron Co., Knoxville, Tenn.
Lackawanna Steel Co. (Splice Bars, etc.), Buffalo, N. Y.
Morden Frog & Crossing Works ("Union"), Commercial National Bank bldg., Chicago, Ill.
National Railway Materials Co., 90 West, New York
New York Switch & Crossing Co., Hoboken, N. J
Niagara Forged Steel Co., Buffalo, N. Y.
Penna. Steel Co., Girard bldg, Phila., Pa.
Pettibone, Mulliken & Co. ("Akins" Forged Steel), 204 Dearborn, Chicago, Ill.
Portland Iron & Steel Co., Portland, Me.
Q. M. S. Co. ("American" Guard Rail Fasteners), Plainfield, N. J
Rail Joint Co., 29 W 34th, New York
Ramapo Iron Works, Hilburn, N. Y., & Niagara Falls, N. Y
Reading Iron Co., Reading Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Ruffner & Son, Falls of Schuylkill, Philadelphia, Pa
Sellers Mfg. Co., 27 W Chicago av, Chicago, Ill.
Tredegar Co., Richmond, Va.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
UNION SWITCH & SIGNAL CO., THE Swissvale, Pa., 143 Liberty, New York, & Monadnock blk., Chicago, Ill
Weir Frog Co., Cincinnati, O.
Wilmington Malleable Iron Co., Wilmington, Del

Rail Fasteners

Maryland Railway Supply Co. ("Spike Strut"), Continental bldg, Baltimore, Md

Rail Joints

Atlas Railway Supply Co. ("Atlas," for Tee or Girder Rails), Manhattan bldg., Chicago, Ill
Bond, Duncan ("Jones" Bevelled), Denver, Colo
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Cambria Steel Co., Arcade bldg., Phila., Pa.
Carnegie Steel Co. ("Duquesne"), Pittsburg
Colorado Fuel & Iron Co., Denver, Colo. Pa

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FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Falk Co. (Cast Welded, Continuous & Insulated), Milwaukee, Wis
Fisher Rail Joint Works ("Triple Fish," "Compromise") (Clark Fisher, Prop.), Trenton, N. J.
Goldschmidt Thermit Co. ("Thermit"), 90 West, New York
Heil Rail Joint Welding Co. (Cast Welded), Milwaukee, Wis.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Lackawanna Steel Co., Buffalo, N. Y.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lorain Steel Co. (Electrically Welded), Penna. bldg., Phila., Pa.
McConway & Torley Co., Pittsburg, Pa.
Milwaukee Rail Joint & Welding Co. ("Austin"), Milwaukee, Wis.
Penna. Steel Co., Girard Trust bldg., Phila., Pa.
Q. M. S. Co. ("P. R. R. Standard or Step Joint," "Q. & C. Bonzano" & "National," Insulated), Plainfield, N. J.
Rail Joint Co. (Continuous "Weber" & "Wolhaupter"), 29 W 34th, New York
Railroad Supply Co. (Fibre Insulation), 215 Dearborn, Chicago, Ill.
Ramapo Iron Works, Hilburn, N. Y., & Niagara Falls, N. Y.
Solid Steel Tool & Forge Co. (Insulated), Brackenridge, Pa.
Stanford, Arthur L. ("Stanford"), 4630 Lake av., Chicago, Ill.

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Rail Joints (Continuous)

Lorain Steel Co. (Electrically Welded), Penna bldg, Phila., Pa., & Johnstown, Pa.
Rail Joint Co. ("Weber" & "Wolhaupter"), 29 W. 34th, New York

Rail Mills (Iron & Steel)

(This List Contains Only the Mills that Roll Rails; see also Rails, Steel)

American McKenna Process Co. ("McKenna" Process Renewed Steel Rails), Milwaukee, Wis.
American Steel Co. (Jobbers, 8 to 45 lbs.), Pittsburg, Pa.
Atlanta Steel Co. (Light Steel T Rails), Atlanta, Ga.
Bethlehem Steel Co. (Standard Sections, Open Hearth, Open Hearth Nickel Steel & Nickel Chrome Steel Rails), South Bethlehem, Pa.
Buffalo Steel Co. (Bessemer) Steel), 12 to 30 lbs., Tonawanda, N. Y.
Calumet Steel Co. (Light Bessemer Steel Rails, 8 to 20 lbs.), Commercial Bank bldg., Chicago, Ill.
Cambria Steel Co. (Bessemer & Open Hearth Steel T Rails, 8 to 100 lbs.), Arcade bldg., Phila., Pa.
Carnegie Steel Co. (Bessemer Standard Sections of Steel Rails, 50 lbs. & Heavier & Light Sections under 50 lbs.), Pittsburg, Pa.
Colorado Fuel & Iron Co. (Standard Sections of Bessemer & Open Hearth Steel Rails & Light Mine Rails), Denver, Colo.
Hirsch Rolling Mill Co. (Light Iron & Steel Rails), St. Louis, Mo.
Hollidaysburg Iron & Steel Co. (Flat & Small Iron T Rails), Hollidaysburg, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Standard Sections of Steel Rails & Light Rails, 12 to 45 lbs.), Chicago, Ill.
Indiana Steel Co. (Standard Sections Open-Hearth Steel), Commercial Bank bldg., Chicago, Ill. Works, Gary, Ind.
Interstate Iron & Steel Co. (Light Bessemer Steel Rails), 1st Nat. Bank bldg., Chicago, Ill
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Light Steel Rails Up to 42 lbs.), Pittsburg, Pa.
Judson Mfg. Co. (Light Iron Rails), San Francisco, Cal.
Knoxville Iron Co. (Light Iron T Rails, 12 to 30 lbs.; also Street Rails), Knoxville, Tenn.
Lackawanna Steel Co. Bessemer & Open Hearth Standard Sections of Steel Rails; also Light Steel Rails, 12 to 65 lbs.), Buffalo, N. Y.
Linton Rolling Mill Co. (Light Steel Rails, 12 to 40 lbs.), Linton, Ind.
Lorain Steel Co. (Girder & High Tee), Penna. bldg, Phila., Pa. Works, Johnstown, Pa.
Maryland Rail Co. (Renewed Steel Rails from 8 to 40 lbs.), Cumberland, Md.
Maryland Steel Co. (Standard Sections of Steel Rails), Sparrows Point, Md., & Girard bldg., Phila., Pa.
National Tube Co., of Ohio (Light Rails), Lorain, O.
Ohio Falls Iron Co. (Light Iron Rails), New Albany, Ind.
Ohio Rail Co. (Rerolled Steel Rails), Newark, Ohio
Penna. Steel Co. (Standard Sections of Bessemer & Open Hearth Steel Rails), Girard bldg., Phila., Pa.
Rail Joint Co. (Tram Rails), 29 W 34th, New York
Republic Iron & Steel Co. (Standard Sections of Bessemer Steel Rails & Light Iron & Steel T Rails, Pittsburg, Pa.
Seattle Steel Co. (Light Steel T Rails, 8 to 20 lbs.), Youngstown, Wash.
Standard Chain Co. (Light Iron T Rails), Pittsburg, Pa.
Tennessee Coal, Iron & Railroad Co. (Standard Sections of Bessemer & Open Hearth Steel Rails & Light Rails, Up to 100 lbs.), Birmingham, Ala.
Western Rolling Mill Co. (Iron T Rails, 8 to 20 lbs.), Denver, Colo.
West Virginia Rail Co. (Steel Rails, 16 to 30 lbs.), Huntington, W. Va.

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Railings (Altar)

(See Brass Altar Rails & Pulpits)

Railings (Brass)

(See Bank & Office Railings)

Railings (Iron & Brass Pipe)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
SIMMONS, JOHN CO. (Iron Pipe of all Kinds), 104-110 Centre, New York. (See adv. index, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
VAN DORN IRON WORKS CO., 2685 W. 79th, Cleveland, O. (See adv index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO., (& Fixtures), Worcester, Mass. (See adv. index & branch offices, end of book.)

*Railings (Railway Coach & Platform)

MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)

*Railings (Tool Room)

STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index, end of book)

Railroad Composite Apparatus

Sandwich Electric Co. ("Sandwich"), Sandwich, Ill.

Railroad Contractors

(See Contractors, General, Marked with a (*) Star)

Railroad Contractors' Tents

(See Tents for Railroad Contractors)

*Railroad Curves

SOLTMANN, E. G.
(Metal & Wood; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Railroad Equipments (Second Hand)

(See also Railroad Supplies)

Apex Equipment Co., 11 B'way, New York
Atlantic Equipment Co. (Locomotives, Cars, Relaying Rails, etc.), 30 Church, New York
Birmingham Rail & Locomotive Co. (Locomotives, Relaying Rails, Frogs, Switches, etc.), Birmingham, Ala.
Block-Pollak Iron Co., Carthage, Cincinnati, Ohio
Briggs, Marvin, 154 Nassau, New York
CAREY, GEO. H. (Locomotives, Relaying & Scrap Rails), 1 B'way, New York. (See adv. index, end of book)
Carey, Thos. F. (Rails, Locomotive, Passenger, Freight & Dump Cars, etc.), 70 State, Boston, Mass.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Allegheny, Pa. (See adv. index, end of book)
Cincinnati Equipment Co. (Locomotives, Cars, Steam Shovels, etc.), Culloms Sta., Cincinnati, Ohio
Conard, Thos. P. & Co., 2 S. 15th, Phila., Pa.
Cox, Justice, Jr., & Co. (Cars, Locomotives, Relaying Rails, etc.), Phila., Pa.
Dallett & Co., Harrison bldg., Phila., Pa.
Dana & Co., 32 Broadway, New York
Dilley Foundry Co., Pine Bluff, Ark.
Dreifus, Emanuel, & Co. (Relaying Rails), Arcade bldg., Phila., Pa.
Fitz-Hugh, Luther Co. (New & Second-Hand Locomotives, Cars, etc.), Monadnock blk, Chicago, Ill.
Foster, L. B. Co. (Steel & Relaying Rails), Park bldg., Pittsburg, Pa.
Green, L. A. Co. (New & Relaying Rails, Frogs, Switches, etc.), Park bldg, Pittsburg, Pa.
Gerson, S. & Son, Toledo, O.
HICKS LOCOMOTIVE & CAR WORKS (Rolling Stock, etc.), 277 Dearborn, Chicago, Ill.
Hirsch, Cal, & Sons Iron & Rail Co., St. Louis, Mo.
Hirsch, I. C. Iron, Steel & Rail Co. (Cars, Locomotives, Relaying Rails, Track Materials, etc.), Cincinnati, O.
Hirsch, L. K. Co. (Locomotives, Cars, Relaying Rails, etc.), 549 Rookery bldg, Chicago, Ill.
Hofius Steel & Equipment Co., Seattle, Wash.
Hyde Bros. & Co. (Relaying Rails, etc.), Empire bldg, Pittsburg, Pa.
Interstate Car Co., Indianapolis, Ind.
Jones, J. B. & Co. (Relaying Rails), Pittsburg, Pa.
Joseph, Isaac Iron Co., 525 Reading road, Cincinnati, O., & Monadnock blk, Chicago, Ill.
Joseph, Jos. & Bros. Co., Cincinnati, O.
Kaiser, A. V., & Co., Drexel bldg., Phila., Pa.
Kenly, W. K. Co. (Relaying Rails, etc.), 164 Dearborn, Chicago, Ill.
Kennedy, L. E. (Rails, Cars, Locomotives, etc.), Frederick, Md.
Keystone Equipment Co., West Street bldg, New York
Keystone Iron & Steel Co. (Second Hand Relaying Rails), Pittsburg, Pa.
Kilby Locomotive & Machine Works, Anniston, Ala.
Levis, Henry & Co. (Relaying Rails, etc.), 26 S 15th, Phila., Pa.
Low, Edgar S. Co. (Steam Shovels, Locomotives, Cars, etc.), Empire bldg, Pittsburg, Pa.
MacLeary, J. H. (Locomotives, Cars, etc.), Suffolk, Va.
Males Co. (Locomotives, Cars, Rails, Steam Shovels, etc.), 1st Nat'l Bank bldg, Cincinnati, O., & 26 Cortlandt, New York

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Mitshkun, M. Co., Detroit, Mich.
Ohio Iron & Metal Co., 1st National Bank bldg., Chicago, Ill.
Poulterer, Joseph C., Land Title bldg., Phila., Pa.
Robinson & Orr, 419 Wood, Pittsburg, Pa.
Sabel Bros., Fulton bldg., Pittsburg, Pa.
Schwarzenberg, E. A. (Relaying Rails, etc.), Garfield bldg, Cleveland, Ohio
SHAW, WILLIS CO., 171 Lasalle, Chicago. (See adv. index, end of book)
Southern Iron & Equipment Co. (Locomotives, Rails, etc.), Atlanta, Ga.
Southern Locomotive & Car Mfg. Co., Valdosta, Ga.
Standard Railway Equipment Co., 77 Jackson boul, Chicago, Ill.
Steel Rail Supply Co. (Relaying & Scrap Rails, Spikes, etc.), 2 Rector, New York
Torbert, A. C. & Co. (Locomotives, Cranes, Steam Shovels, etc.), Monadnock blk, Chicago, Ill.
Union Iron Works Co., Selma, Ala.
Van Loan, I. S. Co., Park & 131st, New York
Watson, John B. (Locomotives, Cars, etc.), Drexel bldg., Phila., Pa.
Wilson, E. H. & Co. (Locomotives, Coaches, Rails, etc.), Arcade bldg, Philadelphia, Pa.
Wood, A. M. Co. (Relaying Rails), Arcade bldg, Phila., Pa.

Railroad Excavators

(See Excavators, Steam; also Shovels, Steam)

Railroad Stationery, Blanks, Manifests, Etc.

(See also Paper, Railroad, Manila & Writing)

Anchor Mills Paper Co. (Copying Paper), Windsor Locks, Conn.
Autographic Register Co. ("Shoupe" Manifold Books), 10th, Clinton & Grand av, Hoboken, N. J.
Baker & Vawter Co. (Manifold Shipping Blanks), Chicago, Ill.
Barlow Bros. (Manifold Shipping Blanks), Grand Rapids, Mich.
Boorum & Pease Co. (Manifold Books), 103 Duane, New York
Brown, Martin B. & Co. (Railroad Printing, etc., 49 Park pl, New York
Cosby, Chas. E. & Co. (Manifold Books), St. Paul, Minn.
Dexter, C. H. & Sons, Windsor Locks, Conn.
Diamond Mills Paper Co. (Manifests & Copying Paper), 44 Murray, New York
Eden Tissue Mills (Copying Paper, etc.), Whippany, N. Y.
Francis & Louttrel Co. (Manifold Books, etc.), 146 William, New York
General Manifold & Printing Co. (Manifolds), Franklin, Pa.
Hall, J. C. & Co. (Manifold Books, etc.), Providence, R. I.
Hamilton Autographic Register Co. (Manifold Shipping Blanks), Hamilton, O.
Hampden Glazed Paper & Card Board Co. (Railroad Blanks), Holyoke, Mass.
Holyoke Card & Paper Co. (Railroad Blanks), Springfield, Mass.
King, Albert B. & Co., 105 William, New York
Linden Paper Co. (Copying Paper), Holyoke, Mass.
Manifold Supplies Co. (Manifold Books, etc.), 55 Warren, New York
Mann, Wm. Co. (Copying Paper, etc), 60 Maiden la, New York
Martell, A. E. Co. (Manifold Books), 99 Nassau, New York
Monarch Manifold Book Co., Laight & Varick, New York
N. Y. Blank Book Co., 7 Laight, New York
Pen-Carbon Manifold Co., 35 Warren, New York
Reyburn Mfg. Co., 22d & Allegheny av, Phila., Pa.
R. I. Card Board Co. (Railroad Blanks), Pawtucket, R. I.
Rogers Manifold & Carbon Paper Co. (Manifold Books & Carbon Paper), 75 Maiden la, New York
Smith, S. G. Co. (Manifold Paper), 14 Park pl, New York
Springfield Paper Co. (Copying Paper), Rainbow, Conn.
Union Mills Paper Mfg. Co. (Copying Paper), New Hope, Pa.
Ward, John & Son, 98 Cedar, New York
Whitmore, Mfg. Co. (Railroad Blanks), Holyoke, Mass.
Whittelsey, Frank H. (Railroad Manifest Impression Paper, Train Order Blanks, etc.), Windsor Locks, Conn.

Railroad Supplies

(See Specific Article Wanted; also Rail Mills, Iron & Steel; also Hardware. Wholesale; also Mill & Factory Supplies; also Iron & Steel Manufacturers of Various Kinds; also Machinery Manufacturers of Various Kinds)

(For All Other Railroad Specialties Etc., see Index of Contents)

Railroad Ties

(See Ties, Poles & Posts)

Railroad Ties (Steel)

(See Ties, Steel Railroad)

Railroad Velocipedes

(See Cars, Velocipede)

Railroad Water Station Builders

(See Water Columns or Stations, Railroad)

Railroads (Logging)

(See Railways, Industrial & Portable)

Rails (Automobile)

Turner Brass Works (Robe, Foot & Coat), Sycamore, Ill.

Rails (Barn Door)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Hunt, Helm, Ferris & Co. ("Harvard" Steel), Harvard, Ill.
Lawrence Bros., Sterling, Ill.
Myers, F. E. & Bro., Ashland, O.
National Mfg. Co., Sterling, Ill.
New England Butt Co., Providence, R. I.
Prouty, T. C. Co. (Ltd.), Albion, Mich.
Richards Mfg. Co., Aurora, Ill.
Stowell Mfg. & Foundry Co. (Parlor Door & Hay Carrier), South Milwaukee, Wis.

Rails (Door)

Bridgeport Brass Co., Bridgeport, Conn.
Kupferle, Jno. C. Foundry Co. (Barn & Door, Sliding Door, etc.), St. Louis, Mo.
Peters, Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Rome Brass & Copper Co., Rome, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stowell Mfg. & Foundry Co. (Steel), South Milwaukee, Wis.
Waterbury Brass Goods Corp'n, Waterbury, Conn.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Phila, Pa.
Wilcox Mfg. Co., Aurora, Ill.

Rails (Girder & High Tee)

(See also Rail Mills, Iron & Steel)

Cleveland Frog & Crossing Co., West Park, Ohio
Lorain Steel Co., Penna bldg, Phila., Pa., & Johnstown, Pa.
Penna Steel Co., Girard bldg, Phila., Pa.

Rails (Hand & Foot)

BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.) (Brass), Dayton, O.
Detroit Shipbuilding Co. (Brass Dep't), Detroit, Mich.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
Van Dorn Co., Quincy, Ill.
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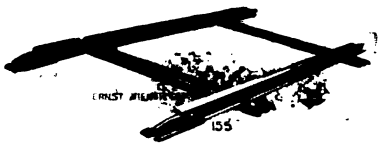
Rails (Light)

(See Rail Mills, Iron & Steel; also Rails, Steel)

Rails (Relaying)

(See Railroad Equipments, Second-Hand)

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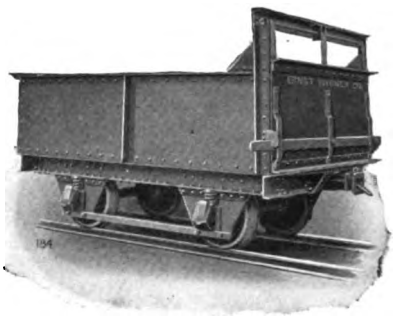
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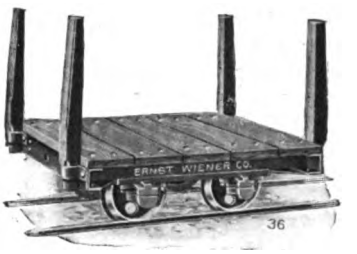
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Union Equipment & Bronze Co., 1901 Park av, New York

*Rails (Steel)

(For Mills that Manufacture Steel Rails, see Rail Mills, Iron & Steel)

CAREY, GEO. H. (Jobber), 1 B'way, New York. (See adv. index, end of book)
KOPPEL, ARTHUR CO. (Jobbers), Machesney bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
MARYLAND EQUIPMENT & SUPPLY CO., (Jobbers), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
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Rails (Steel Renewed)

(See Rail Mills, Iron & Steel, with the Word Renewed following their Name)

*Rails (Street)

MARYLAND EQUIPMENT & SUPPLY CO. (New & Second Hand), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)

Rails (Tram)

(See Rail Mills, Iron & Steel)

Rails & Hangers (Suspended)

(See Trolleys & Trolley Tracks, Overhead)

Railway Builders (Marine)

(See Marine Railway Builders)

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Railway Poles

(See Poles, Iron & Steel, Flag & Street; also Ties, Poles & Posts)

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(See also Trolley Line Materials; also Electrical Supplies)

Allison, Giles S. (Cars, Motors & Equipments), 42 B'way, New York
American General Engineering Co., 253 B'way, New York
Anderson, Albert & J. M. Mfg. Co., 287 A, S. Boston, Mass.
Bailey, F. B. & Co., Betz bldg, Phila., Pa.
Barbour-Stockwell Co., Cambridge, Mass.
Bissell, F. Co., Toledo, Ohio
Boston Electric Co., 29 Harrison av, Boston, Mass.
Brookes-Follis Elec. Corp., San Francisco, Cal.
Brown, Harold P. ("Edison-Brown" Plastic Rail Bond), 120 Liberty, New York
BUNNELL, J. H. & CO., Park Pl. & Church, New York. (See adv. index, end of book)
Burnet Co., 121 Maiden la, New York
Columbia Machine Works & Malleable Iron Co., 289 Chestnut, Brooklyn, N. Y.
Columbus Mill & Mine Supply Co., Columbus, O.
Commercial Electrical Supply Co., Pine & 15th, St. Louis, Mo.
Creaghead Engineering Co., Cincinnati, O.
Dallett & Co. (Cars, Motors & Equipments), Harrison bldg., Phila., Pa.
Dayton Mfg. Co., Dayton, O.
Electric Appliance Co., 140 W Jackson boul, Chicago, Ill.
Electric Engineering Co., Minneapolis, Minn.
Electric Railway Equipment Co. (Motors & Equipments, etc.), 31st below Chestnut, Phila., Pa.
Electric Railway Equipment Co. (Motors & Equipments, etc.), 31st below Chestnut, Phila., Pa.
Electric Railway & Mfg. Supply Co., 68 1st, San Francisco, Cal.
Electric Service Supplies Co., 1024 Filbert, Phila., Pa.
Electrical Material Co., Baltimore, Md.
Fitts, F. K. Mfg. & Supply Co., 88 Purchase, Boston, Mass.
Fox Bros. & Co., 126 Lafayette, New York
Fuller & Rifenberick (Mfrs.' Agts.), Williamson bldg, Cleveland, O.
Garton, W. R. Co., 118 W Jackson boul, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Handlan-Buck Mfg. Co., St. Louis, Mo.
Hoyt, Frank, Muskegon, Mich.
Johns, H. W.-Manville Co., 100 William, New York
Jones, Jas. Co., Los Angeles, Cal.
Kingsland-Kay-Cook Mfg. Co., Mullanphy & 11th, St. Louis, Mo.
Lees-Williams Co., Pittsburg, Pa.
Long, Ervin G. Co., 50 Church, New York
McCartney, Josiah, Bay City, Mich.
Maryland Railway Supply Co., Continental bldg., Baltimore, Md.
Metal Finishing Co., Union City, Conn.
Morris, Elmer P. Co., 90 Church, New York
Nagel, W. G. Electric Co., Toledo, O.
NUTTALL, R. D. CO. (Trolley Bases, Forks, Wheels, Gears, Pinions, etc.), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
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Pettingell, Andrew Co., Boston, Mass.
Porter Tool & Supply Co. (Mfrs.' Agts.), 100 William, New York
Post-Glover Elec. Co., 314 W 4th, Cincinnati, O.
Railway Equipment & Supply Co., Kansas City, Mo.
Railway Electric Equipment Co. (Cars, Motors & Equipments), Ellicott sq, Buffalo, N. Y.
Ridlon, Frank Co. (Of Every Description), Boston
Roberts, H. C. Electric Supply Co., 905 Arch, Philadelphia, Pa.
Sherburne & Co., 53 Oliver, Boston, Mass.
Somers, Fitler & Todd Co., Pittsburg, Pa.
Southern Electric Co., Baltimore, Md.
Traction Equipment Co., 72 Grand av., Brooklyn, N. Y.
Union Electric Co., Terminal-Way, Pittsburg, Pa.
VAN DORN & DUTTON CO, 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)
Watson, John B., Drexel bldg, Phila., Pa.
Wendell & MacDuffie, 50 Church, New York
Wesco Supply Co., St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Wood, Guilford S. (Largest Dealer in Diaphragms (Car) in U. S.), Great Northern bldg, Chicago, Ill.

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(See Turn & Transfer Tables)

Railways (Gravity)

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(See Stairways, Moving)

Railways (Industrial & Portable)

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ATLAS CAR & MFG. CO., THE, 1280 Marquette rd, N E, Cleveland, O. (See adv. index, end of book)
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill. Works, Harvey, Ill.
Cagney Bros., 74 B'way, New York
Calumet Engineering Works, Harvey, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Conveying Machinery Co., 120 Liberty, New York
Chicago Crossing Co. (Industrial), Monadnock bldg., Chicago, Ill.
Cleveland Car Co., West Park, O.
Davies, Frank, Hennen bldg, New Orleans, La.
Fox Bros. & Co., 126 Lafayette, New York
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Gregg Co. (Ltd.), Newburgh, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
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Hunt, C. W. Co. (Automatic, Cable, etc.), West New Brighton, L. I., N. Y. City
INDIANAPOLIS SWITCH & FROG Co., Springfield, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR, CO., Machesney bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
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MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
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NEW JERSEY FOUNDRY & MACHINE Co., 90 West, New York
Ohio Ceramic Engineering Co., Cleveland, O.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Treadwell, M. H., Co., 90 West, New York
Turl's, John Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
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(See Dry Docks & Marine Railways)

Railways (Miniature)

(See Locomotives & Railways, Miniature)

Railways (Scenic)

(See Locomotives & Railways, Miniature)

Rake & Tedder Teeth

Akron Machine Co., (Rake Teeth), Akron, O.
American Spiral Spring & Mfg. Co. (Tedder), Pittsburg, Pa.
Cambria Steel Co. (Steel), Arcade bldg., Phila., Pa.
Harrow Spring Co., Kalamazoo, Ill.
Herschel, R. Mfg. Co., Peoria, Ill.
Mason, F. C. & Co., St. Johns, Mich.
Morgan Spring Co., Worcester, Mass.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Rakes (Asphalt or Tar)

American Fork & Hoe Co. (Steel), Cleveland, Ohio
Contractors' Tool Co., 704 Arch, Phila., Pa.

Rakes (Drag)

Foster & Williams Mfg. Co., Racine, Wis.
Patterson, D. S. & Son, Brookfield, Vt.

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Rakes (Garden or Lawn, Etc.)

Alexander & Perkins, Sunapee, N. H.
American Fork & Hoe Co., Cleveland, O.
Bartlett, L. D. & Son Co., South Tamworth, N. H.
Benton Mfg. Co. (Malleable Iron, Garden), Charlotte, Mich.
Brown, Hinman & Huntington Co. (Steel & Malleable Iron Road, Potato, etc.), Memphis, Tenn.
Champion Lawn Rake Co., Canton, O.
Cronk & Carrier Mfg. Co. (Bruce Wrought Steel & Malleable Iron), Elmira, N. Y.
Derby & Ball, Bellows Falls, Vt.
Geneva Tool Co., Geneva, O.
Gibbs Mfg. Co., Canton, O.
Harriman Hoe & Tool Co., Harriman, Tenn.
Iowa Farming Tool Co., Fort Madison, Iowa
Kohler, F. E., & Co. (Malleable or Steel), Canton, Ohio
Lacey, Elmer B., Union, N. Y.
Ney Mfg. Co. (Automatic Self-Cleaning Lawn), Canton, O.
Ney, V. L. Co. ("Champion" Lawn Rakes), Canton, O.
Piqua Handle & Mfg. Co. (Braced Malleable Iron, Garden & "Ole Olsen" Wood Lawn),
Sleeper, B. R., Sunapee, N. H. Piqua, O.
Swineford, G. A., Co. ("King," "Warren," "Star" Wire Automatic, etc.), Canton, O.
Union Fork & Hoe Co. (Bow & Flat Head Steel), Columbus, O.
Union Furnace Mfg. Co. (Malleable Iron), Union Furnace, Pa.
Wellman, H. E., Westminster West, Vt.
Wheeling Hinge Co., Wheeling, W. Va.

Rakes (Gas Retort)

American Fork & Hoe Co., Cleveland, O.

Rakes (Hand, Hay)

Benton Mfg. Co., Charlotte, Mich.
Burton Handle Co., Burton, O.
Garfield, D. M., Tyringham, Mass.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Ia.
Rogers Rake C., New Hartford, Conn.
Rugg Mfg. Co., (Also Drag), Greenfield, Mass.
Swineford, G. A., Co., Canton, O.
Thomas Mfg. Co. Springfield, O.
Union Fork & Hoe Co. (Bow & Flat Head Steel), Columbus, Ohio

Rakes (Revolving, Hay)

Hughes & Smythe, Galena, O.
Ohio Rake Co., Dayton, O.
Sterling Mfg. Co., Sterling, Ill.
Wayne Works, Richmond, Ind.

Rakes (Side Delivery, Hay)

Chambers, Bering & Quinlan Co., Decatur, Ill.
Dain Mfg. Co., Ottumwa, Iowa
Deere & Mansur Co., Moline, Ill.
Hocking Valley Mfg. Co., Lancaster, O.
International Harvester Co. of America, Chicago, Ill., & Auburn, N. Y.
La Crosse Hay Tool Co., Ottumwa, Iowa
Ohio Rake Co., Dayton, O.
Sandwich Mfg. Co., Sandwich, Ill.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co., Springfield, O.

Rakes (Stacker for Threshers)

Frick Co., Waynesboro, Pa.
Merriam, I. Z., Whitewater, Wis.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Rakes (Stalk)

Brown, Geo. W. & Co., Galesburg, Ill.
Peoria Drill & Seeder Co. ("Glendale"), Peoria, Ill.
Selby, Starr & Co., Peoria, Ill.
Sheer, Eugene, Lincoln, Ill.

Rakes (Sulky, Hay)

Acme Harvester Co., Peoria, Ill.
Adriance, Platt & Co. (Steel Wheels), Poughkeepsie, N. Y.
Albright, J. Hudson, Mifflinburg, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Aultman, Miller, Huckeye Co., Akron, O.
Bateman Mfg. Co. ("New York Champion"), Grenloch, N. Y.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bradley, David Mfg. Co., Bradley, Ill.
Brown, Geo. W. & Co., Galesburg, Ill.
Chapinville Wheel Co., Poughkeepsie, N. Y.
Clipper Chilled Plow Co., Elmira, N. Y.
Comstock, Geo. S. ("Hauck," "Novelty"), Mechanicsburg, Pa.
Deere & Mansur Co., Moline Ill.
Deucher, H. P. Co., Hamilton, O.
Emerson Mfg. Co., Rockford, Ill.
Empire Drill Co., Shortsville, N. Y.
Farquhar, A. B. Co., York, Pa.
Fleming & Sons' Mfg. Co., Huntsville, Mo.
Fond du Lac Implement Co., Fond du Lac, Wis
Gale Mfg. Co., Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hocking Valley Mfg. Co., Lancaster, O.
Howell, R. R. & Co., Minneapolis, Minn.
International Harvester Co. of America (Self & Hand Dump), Chicago, Ill. Osborne Plant, Auburn, N. Y.
Johnston Harvester Co., Batavia, Ill.
Long & Allstatter Co. (Hand or Horse Dump), Hamilton, O.
Messinger Mfg. Co. ("Steel King" Self-Dumping), Tatamy, Pa.
Moline Plow Co., Moline, Ill.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Ohio Rake Co., Dayton, O.
Patten & Stafford Co. ("New York Champion"), Canastota, N. Y.
Plattner Implement Co., Denver, Colo.
Racine-Sattley Co. (Self & Hand Dump), Springfield, Ill.
Rockford Mfg Co. ("Ellwood"), Rockford, Ill.
Richardson Mfg. Co., Worcester, Mass.
Rowell, J. S., Mfg. Co. (Self Dump), Beaver Dam, Wis.
Rude Bros. Mfg. Co., Liberty, Ind.
Smith & Sons Mfg. Co. (2 & 3-Wheel Sweep), Kansas City, Mo.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co., Springfield, O.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Van Brunt Mfg. Co., Horicon, Wis.
Warder, Bushnell & Glessner Co., Springfield, O
Wiard Plow Co., Batavia, N. Y.
Williams Bros. (Self & Hand Dumping), Ithaca, N. Y.
Wood, W. A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y

Rakes (Sweep)

Acme Harvester Co. (Sweep), Peoria, Ill.
Anderson Company (Of Every Description), St. Paul, Minn.
Barley, Thos. K., Sedalia, Mo.
Benicia Agricultural Works (Buck Rake), Benicia, Cal
Dain Mfg. Co. (Automatic Stackers), Ottumwa, Ia.
Eureka Mfg. Co., Charlton, Ia.
Famous Mfg. Co. (Peerless Sweep, Champion Buck), East Chicago, Ind.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Foster & Williams Mfg. Co. (Balance Pivot Wheel Sweep), Racine, Wis.
Grand Detour Plow Co., Dixon, Ill.
Howell, R. R. & Co. (Stacker Rake), Minneapolis, Minn.
International Harvester Co. of America, Chicago, Ill. Osborne Plant, Auburn, N. Y.
Jackson, Byron Machine Works (Sweep), San Francisco, Cal
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kansas City Hay Press Co. (Stacker & Rake), Kansas City, Mo
Louden Machinery Co. (Rickers), Fairfield, Ia.
McCall Mfg. Co., Moberly, Mo.
Martin-Anderson Co., Omaha, Neb.
Plattner Implement Co., Denver, Colo.
Porter, J. B. Co. (Rickers), Ottawa, Ill.
Tait, F. B. Mfg. Co. (Single Tongue), Decatur, Ill.

Rammers (Foundry)

(See also Pneumatic Sand Rammers)

Barnett, Oscar F'dry Co. (Bench & Floor), Newark, N. J.
Brown & Sharpe Mfg. Co. (Rubber Tipped), Providence, R. I.
Hellenberg & Son (Moulders' Bench), Coldwater, Mich.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Piqua Handle & Mfg. Co. (Also Moulders' Bench Rammers), Piqua, O.
Sandusky Tool Co., Sandusky, O.
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
Woodstock Hardwood & Spool Mfg. Co. (Moulders' Wooden Rammers), Charleston, S. C.

Rammers (Pavers')

Stortz, John, & Son (Stone Paving, etc.), 210 Vine, Phila., Pa

Rammers (Sand)

(See also Pneumatic Sand Rammers)

Pollard, Jos. G. (Cast Iron Ash Handle), 141 Raymond, Brooklyn, N. Y.

Range Fenders

Eastwood Wire Mfg. Co., Belleville, N. J.

Ranges (Acetylene)

(See Stoves, Acetylene)

Ranges (French Cooking)

(See Cooking Apparatus)

Ranges (Galley)

(See Ranges, Yacht)

Ranges (Gas)

(See Stoves, Heaters & Rangers, Gas)

Ranges (Kettle)

Weaver Mfg. Co. ("Perfection"), New Oxford, Pa.

Ranges (Portable & Stationary)

(See Stove Manufacturers; also Ranges, Steel; also Cooking Apparatus)

Ranges (Steel)

(See also Cooking Apparatus)

Allen Mfg. Co. ("Princess"), Nashville, Tenn.
American Stove Co. ("Quick Meal," "Jewell"), 414 N 6th, St. Louis, Mo.
American Range & Foundry Co., Cleveland, O.
Anchor Stove & Range Co., New Albany, Ind.
Bonnet-Nance Stove Co., Chicago Heights, Ill.
Born Steel Range Co., Cleveland, Ohio
Bramhall, Deane Co., 264 Water, New York
Bramhall Range Co., 81 Market, Chicago, Ill.
Bridgeford & Co. (Wrought Steel), Louisville, Ky.
Buckstaff Bros. Mfg. Co., Lincoln, Neb.
Burton Range Co., 115 W 5th, Cincinnati, O.
Carmichael Range Co., 195 Kinzie, Chicago, Ill.
Century Post Co., Tecumseh, Mich.
Clad, V. & Sons, 230 S 12th, Phila., Pa.
Cohen Stove & Range Co., Florence, Ala.
Comstock-Castle Stove Co., Quincy, Ill.
Conway Steel Range Co., Bellevue, O.
Crane, W. M. Co. ("Vulcan" "Perfect"), 16 W 32d, New York
Cribben & Sexton Co., 52 Erie, Chicago, Ill.
DUPARQUET, HUOT & MONEUSE CO., 43 Wooster, New York. (See adv. index & branch offices, end of book)
Dauntless Mfg. Co., Beaver Dam, Wis.
Eclipse Stove Co., Mansfield, O.
Excelsior Stove & Mfg. Co. (Wrought Steel), Quincy, Ill.
Faultless Stove Works (Malleable Iron), St. Charles, Ill.
Fischer Leaf Co., 1438 High av, Louisville, Ky
Fischer, Wm. G., Stove & Range Co., 222 W. 3rd, Cincinnati, O.
Franke, H. Steel Range Co., 1911 Harvard, N'bgh, Cleveland, O.
Globe Stove & Range Co., Kokoma, Ind.
Gohman Bros. & Kahler Co., New Albany, Ind.
Hall Bros. Co., Lincoln, Neb.
Hammock Steel Range Co., Knoxville, Tenn.
Hess, Snyder Co. ("Boomer"), Massillon, O.
Home Stove Co., Indianapolis, Ind.
Household Stove Co. ("Ideal"), 1935 Wentworth av, Chicago, Ill.
Hutchinson Bros., Baltimore, Md.
Ils, John G. & Co., 814 Kearny, San Francisco, Cal.
Independent Stove Co., Owosso, Mich.
King Stove & Range Co., Sheffield, Ala.
Ley, Jno. P., 244 Water, New York
Los Angeles Stove Co., Los Angeles, Cal.
Lotze's, A. Sons & Co., Cincinnati, O.

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M. & D. Range Co., 100 Lake av., Chicago, Ill.
Mahoney, Daniel, & Sons, 17 Main, Buffalo.
Majestic Mfg. Co., St. Louis, Mo. N. Y.
Malleable Steel Range Mfg. Co., South Bend, Ind.
Michigan Stove Co. ("Garland"), Detroit, Mich.
Miller, W. Range & Furnace Co. (Portable), Cincinnati, O.
Monitor Stove & Range Co., Cincinnati, O.
Peninsular Stove Co., Detroit, Mich.
Portsmouth Stove & Range Co., Portsmouth, Ohio
Reading Stove Works ("Cheerful Sunshine," "Domestic Sunshine"), Reading, Pa.
Rubel & Co., 116 E. Lake, Chicago, Ill.
Schill Bros. Co., Crestline, O.
Sexton, S. B., Stove & Mfg. Co., 7 S. Gay, Baltimore, Md.
Sheffield Steel Range & Stove Co., Sheffield, Ala.
Sheppard, Isaac A. & Co., 1801 N 4th, Philadelphia, Pa.
Standard Foundry & Mfg. Co., Cleveland, O.
Star Shovel & Range Co., Vincennes, Ind.
Stearnes Steel Range Co., 188 Lake, Chicago, Ill
Toledo Stove & Range Co. ("Gem"), Toledo, O.
Taplin-Rice-Clerkin Co. ("Climax"), Akron, O.
Van, John, Range Co. (For Families, Hotels & Institutions), Cincinnati, O.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Warren Stove Co., Warren, O.
Wilson Steel Range Co., Belleville, Ill.
Wrought Iron Range Co., St. Louis, Mo.

*Ranges (Yacht)

DUPARQUET, HUOT & MONEUSE Co. (Steel), 48 Wooster, New York. (See adv. index & branch offices, end of book)

Rapping Plates & Lifting Screws

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Timmis & Clissold, Boundbrook, N. J.

Rasps (Horse)

(See also File & Rasp Manufacturers)

Heller Bros. Co., Newark, N. J.
Nicholson File Co., Providence, R. I.
Westfall & Co. ("Westfall"), Milwaukee, Wis.

*Ratchet Attachments

ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)

Ratchet Stocks

(See Stocks & Dies)

Ratchets

(See Drills, Ratchet)

Ratchets (Deck Sash)

Adams & Westlake Co., Ontario c N Franklin, Chicago, Ill.

Ratchets (Fence)

Cyclone Fence Co. ("Cyclone"), Cleveland, O.
Deming Wire Fence Co. ("U.-S."), Cedar Rapids, Ia.
Eureka Casting & Machine Co. ("Eureka"), Dayton, O.
Gem Wire Fence Co. (Malleable Iron), Pontiac, Mich.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 Broadway, New York
Indiana Anchor Fence Co. ("Automatic"), South Bend, Ind.
Kokomo Fence Machine Co., Kokomo, Ind.
Leader Fence Machine Mfg. Co. ("Leader"), St. Charles, Ill.
New England Anchor Fence Co., Worcester, Mass.
Novelty Mfg Co. (Steel), Jackson, Mich.
Schriver, O. P. & Co. ("I. X. L." Wire Fence), 208 Elm, Cincinnati, O.
Universal Ratchet Co. ("Universal" Wire Fence Ratchet & Tightener), Detroit, Mich.

Ratchets (Packer)

(See Drills, Ratchet)

Rattan Seat Covering (Canvas Lined)

Hale & Kilburn Mfg. Co., 48 N 6th, Phila, Pa.

Rattan & Reed Works

American Rattan & Reed Mfg Co. (Car Seating, Webbing, etc.), Kingsland & Norman avs, Brooklyn, N. Y.
Hartshorn, C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co., Gardner, Jenkins-Phipps Co., Wakefield, Mass. Mass.
Lloyd Mfg. Co. (Rattan & Reed Chairs), Minneapolis, Minn.
Wakefield Mfg. Co. (Willow Goods Also), Wakefield, Mass.

Rattans, Reeds & Chair Cane

American Rattan & Reed Mfg. Co. (also Rattan Webbing, etc.), Norman & Kingsland av, Brooklyn, N. Y.
Gordau, Otto Co., 83 Murray, New York.

Rattlers (Flue)

Mann-McCann Co. ("Westmark"), Fisher bldg, Chicago, Ill.

*Rattlers (Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index and branch offices, end of book)

Rattlers (Nail)

Miller's, H. J. Sons, Bridgewater, Mass.
Perkins, Henry Co., Bridgewater, Miss.

Rawbone (Boiled)

Cooper's, Peter Glue Factory, 13 Burling slip, New York

Rawbone (Granulated)

(See also Bone, Black)

Armour Fertilizer Works, 205 LaSalle, Chicago, Ill.
Listers Agricultural Chemical Works, ft. W 39th, New York
Rogers & Hubbard Co., Middletown, Conn.
Taylor, Geo. F., Co., 80 Pine, New York
York Chemical Works, York, Pa.

Razor Mfrs.

Andreson, Alfred, & Co., Minneapolis, Minn.
Barnesley Bros. Cutlery Co., Monett, Minn.
Brown Razor Co., Little Valley, N. Y.
Buck Bros., Milbury, Conn.
Buck Edge Tool Co., Chas. D., Milbury, Conn.
Canton Cutlery Co., Canton, O.
Cage, John D., Sons Co. (Folding), Kane, Pa.
Case & Son, W. R., Bradford, Pa.
Challenge Cutlery Corp'n, Bridgeport, Conn.
Clauberg & Co., F. A., 27 Park pl, New York
Clauss Shear Co., Fremont, O.
Compton Shear Co., W. H., Newark, N. J.
Empire Knife Co., West Winsted, Conn.
Geneva Cutlery Co., Geneva, N. Y.
Hessenbruch, H., Philadelphia, Pa.
International Cutlery Co., Fremont, O.
Jackson Shear & Razor Co., Fremont, O.
Kastor & Bros., Adolph, 100 Duane, New York
Korn Razor Mfg. Co., Geo., Little Valley, N. Y.
Novelty Cutlery Co., Canton, O.
Radiumite Co., 1545 W. Lake, Chicago, Ill.
Robeson Cutlery Co., Rochester, N. Y.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Schrader Cutlery Co., Walden, N. Y.
Smith & Hemenway Co., 108 Duane, New York
Southington Cutlery Co., Southington, Conn.
Sperry & Alexander Co., 300 Broadway, New York
Standard Razor & Strop Co., Little Valley, N. Y.
Teagarden & Shumate, Austin, Tex.
Torrey, J. R., Co., Worcester, Mass.
Union Razor Co., Tidioute, Pa.
Vanator Edge Tool Works, Grand Ledge, Mich.
Wallace & Sons Mfg. Co., Wallingford, Conn.
Waterville Cutlery Co., Waterville, Conn.
Wiebusch & Hilger, 9 Murray, New York
Wiss & Sons Co., J., Newark, N. J.
Witte, Alexis, Cutlery Co., 81 Warren, New York

Razor Mfrs. (Safety)

American Safety Razor Co. ("Ever Ready"), 320 Broadway, New York
Arnold Safety Razor Co. (Inc.) ("Arnold"), Reading, Pa.
Auto Strop Safety Razor Co., 345 Fifth av., New York
Burham Safety Razor Co. (Inc.), ("Burham"), Flatiron bldg, New York
Christy Co., R. J., Fremont, Ohio
Clauss Shear Co. ("Clauss"), Fremont, O.
Crescent-Fremont Metal Mfg. Co., Fremont, Ohio
Curly, J., & Bro., 318 Broadway, New York
Fremont Metal & Mfg. Co., Toledo, Ohio
Gem Cutlery Co., 34 Reade, New York
Gillette Sales Co. ("Gillette"), Times bldg., New York
Hart Mfg. Co. ("Hart's" Pocket), Bristol, Conn.
Herbrand Co., Fremont, Ohio
Kampfe Bros. ("Star"), 8 Reade, New York
Kirtland Bros. & Co., 90 Chambers, New York
Korn, Geo. W., Razor Mfg. Co. ("Real"), Little Valley, N. Y.
Pall Mall Electric Ass'n, 870 Broadway, New York
Reichardt & Co., F. A., 63 Barclay, New York
Shrp-Shavr Razor Co. ("Shrp-Shavr"), 108 Duane, New York
Silberstein, A. L., 476 Broadway, New York
Southington Cutlery Co., Southington, Conn.
United States Safety Razor Co., Adrian, Mich.
Ward Safety Razor Co. ("Ward"), 356 Dearborn, Chicago, Ill.
Weiss, L. S. ("Shavezy"), 286 Graham av., Brooklyn, N. Y.

Razzle Dazzles

Herschell-Spillman Co., No. Tonawanda, N. Y.

Reamers

(Under this Heading see Sub-classifications; see also Taps, Various Kinds)

Buck Bros. (Sq., Octagon & Half Round), Millbury, Mass.
Buck, Chas., Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Chicago Screw Co. (Taper Pin), 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M., Tolland, Conn.
Detroit Twist Drill Co., Detroit, Mich.
Economical Tool Co., Milwaukee, Wis.
Gisholt Machine Co. ("Gisholt," Inserted Blade, "Solid" Adjustable Arbors), Madison, Wis.
Kelly Tool Co. (Heavy Body Cylinder), Cleveland, O.
King, J. M. Co. (Inc.), Waterford, N. Y.
Lincoln-Williams Twist Drill Co., Taunton, Mass.
Lord, L. L. Co., Meadville, Pa.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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McCrosky, Reamer Co. (Universal), Meadville, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Machine Tool Co., Cincinnati, O.
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co. (Hot Forged), Taunton, Mass.
Norton Mfg. Co., Chester, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Rogers, John M. Works, Gloucester City, N. J.
Standard Railway Equipment Co., Nat'l Bank of Commerce, St. Louis, Mo.
Standard Tool Co., Cleveland, O.
Three Rivers Tool Co. ("Matthews," High Speed), Three Rivers, Mich.
Tuck Mfg. Co., Brockton, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiedeke, Gustave & Co. (Rivet Hole & Flue), Dayton, O.
Wiley & Russell Mfg. Co., Greenfield, Mass.

Reamers (Adjustable)

American Axe & Tool Co., Glassport, Pa.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M. (Shell & Hand), Tolland, Conn.
Kelly, P. J., Elizabeth, N. J.
Lapointe Machine Tool Co., Hudson, Mass.
McCroskey Reamer Co. (Inc.), Meadville, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Rogers, John M. Works, Gloucester City, N. J.
Schellenbach-Hunt Tool Co. ("Universal" Machine), 14th & Plum, Cincinnati, O.
Smith, Wm. J. Co. ("Smith" One-Lock), New Haven, Conn.
Standard Tool Co., Cleveland, O.

Reamers (Bibb & Bibb Seat)

Lord, L. L. Co. ("Universal," for Cooks, Bibbs, etc.), Meadville, Pa.

Reamers (Bit Brace)

Brubacker, W. L. & Bros. (Taper), Millersburg, Pa.
Detroit Twist Drill Co., Detroit, Mich.
Holroyd & Co., Waterford, N. Y.
Kraeuter & Co., 577 18th av, Newark, N. J.
Mayhew, H. H. Co., Shelburne Falls, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National" Taper & Fluted), Detroit, Mich.
Reece, E. F., Co., Greenfield, Mass.
Polk, A. J, & Son, Millersburg, Pa.
Standard Tool Co., Cleveland, O.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

Reamers (Bridge)

CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Green River," "Taper"), Greenfield, Mass.

Reamers (Burring)

Lord, L. L. Co. (Spiral Fluted), Meadville, Pa.
Reece, E. F. Co., Greenfield, Mass.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

Reamers (Center)

American Die & Tool Co., Reading, Pa.
Card, S. W. Mfg. Co., Mansfield, Mass.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Detroit Twist Drill Co., Detroit, Mich.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F., Co., Greenfield, Mass.
Schellenbach-Hunt Tool Co. ("Universal" Adjustable Machine), 14th & Plum, Cincinnati, O.
Standard Tool Co., Central av & P. Ry., Cleveland, O.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

Reamers (Chucking)

Brubaker, W. L. & Bros. (Rose Fluted), Millersburg, Pa.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Detroit Twist Drill Co. (Also Rose Chucking), Detroit, Mich.
Lincoln-Williams Twist Drill Co., Taunton, Mass.
MORSE TWIST DRILL & MACHINE Co. (Fluted, Rose & Three Groove), New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National" Rose Fluted), Detroit, Mich.
New Process Twist Drill Co. (Four Groove), Taunton, Mass.
Polk, A. J. & Son (Fluted, etc.), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Rogers, John M. Works, Gloucester City, N. J.
Standard Tool Co., Cleveland, O.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Green River" Spiral Fluted), Greenfield, Mass.

Reamers (Conduit Pipe)

Sprague Electric Co., 527 W 34th, New York
Steel City Electric Co. ("Thompson"), Pittsburg, Pa.

*Reamers (Electric)

VAN DORN ELECTRIC & MFG. CO. (Portable), 2694 E 79th, Cleveland, O. (See adv. index, end of book)

Reamers (Expansion)

Chadwick & Trefethen ("Critchey's"), Portsmouth, N. H.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M. (Chucking), Tolland, Conn.
Economical Tool Co., Milwaukee, Wis.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Standard Tool Co., Cleveland, O.

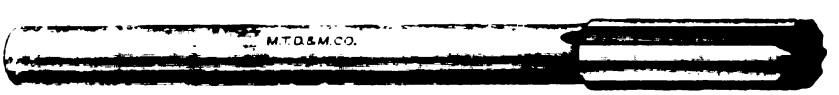
Reamers (Hand)

CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Clough, R. M., Tolland, Conn.
Detroit Twist Drill Co., Detroit, Mich.
Kraueter & Co., 577 18th av, Newark, N. J.
McCroskey Reamer Co. (Inc.), Meadville, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Machine Tool Co., 208 Lawrence, Cincinnati, O.
Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Shepard Lathe Co., 129 W 2d, Cincinnati, O.
Standard Tool Co., Central av & P. Ry., Cleveland, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.

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NEW BEDFORD, MASS., U. S. A.

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*Reamers (High Speed)

CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)

Reamers (Locomotive)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Wiley & Russell Mfg. Co. ("Green River" Taper), Greenfield, Mass.

*Reamers (Morse Taper)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Reamers or Tap Borers (Lead Pipe)

(See also Borers, Tap)

BERNZ, OTTO, S. 13th & S. Orange av, Newark, N. J. (See adv. index, end of book)

Enterprise Mfg. Co., 3d & Dauphine, Phila., Pa.

Lowentraut, P. Mfg. Co., Newark, N. J.

Osborne, C. S. & Co. ("C. S. O. & C."), Harrison, N. J.

Reamers (Pipe)

(See Taps & Reamers, Pipe)

Reamers (Pneumatic)

(See Pneumatic Reaming & Tapping Drills)

Reamers (Rivet Hole)

American Die & Tool Co., Reading, Pa.

Wiedeke, Gustave & Co., 1837 E Richard, Dayton, O.

Reamers (Shell)

Brubaker, W. L. & Bros., Millersburg, Pa.

CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)

Clough, R. M., Tolland, Conn.

Detroit Twist Drill Co. (Also Rose Shell), Detroit, Mich.

McCroskey Reamer Co. (Inc.), Meadville, Pa.

MORSE TWIST DRILL & MACHINE Co. (Adjustable & Rose), New Bedford, Mass. (See adv. index, end of book)

National Twist Drill & Tool Co. ("National" Fluted), Detroit, Mich.

Polk, A. J. & Son, Millersburg, Pa.

Pratt & Whitney Co., Hartford, Conn.

Putnam Machine Co., Fitchburg, Mass.

Standard Tool Co., Cleveland, O.

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wiley & Russell Mfg. Co. ("Green River" Spiral Fluted), Greenfield, Mass.

*Reamers (Solid)

MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)

Reamers (Square)

Buck Bros., Millbury, Mass.

Jennings, C. E. & Co., 42 Murray, New York. Works: Chester, Conn.

Tuck Mfg. Co. (Also Half Round), Brockton, Mass.

Vaughn & Bushnell Mfg. Co., 875 W Carroll av, Chicago, Ill.

Reamers (Taper)

American Die & Tool Co., Reading, Pa.

Anthony Screw Co. (Taper Pin), Worcester, Mass.

Brown & Sharpe Mfg. Co. ("Standard"), Providence, R. I.

Brubaker, W. L. & Bros., Millersburg, Pa.

Butterfield & Co., Derby Line, Vt.

Chicago Screw Co. (Taper Pin), 519 Homan av, Chicago, Ill.

Cincinnati Screw & Tap Co. (Pin), Twightwee, O.

CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)

Corbin Screw Corporation (Pin), New Britain, Conn.

Detroit Twist Drill Co. (Also Taper Pin), Detroit, Mich.

Holroyd & Co., Waterford, N. Y.

Lord, L. L. Co. (For Bit Brace Taper Reamer & Ratchet Combination, also Spiral Fluted), Meadville, Pa.

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

National Twist Drill & Tool Co. ("National" Taper Pin, etc.), Detroit, Mich.

Polk, A. J. & Son, Millersburg, Pa.

Pratt & Whitney Co., Hartford, Conn.

Rogers, John M. Works (Solid & Adjustable), Gloucester City, N. J.

Standard Tool Co., Cleveland, O.

Stow Flexible Shaft Co. (Long Taper), N 26th & Buttonwood, Phila., Pa.

Syracuse Twist Drill Co. (Square), Syracuse, N. Y.

Terry & Tench Co. (Inc) (For Bridge Builders), Lexington av & 131st, New York

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wiedeke, Gustav & Co. (Rivet Hole, One-Half Taper & One-Fourth Straight & Shank), Dayton, O.

Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Reamers (Valve Reseating)

Lord, L. L. Co. ("Lord"), Meadville, Pa.

Receptacles (Ordinary & Sign)

(See also Plugs, Attachment; also Sockets)

Bryant Electric Co., Bridgeport, Conn.

Crouse-Hinds Co. ("Norbitt"), Syracuse, N. Y.

Electric Motor & Equipment Co. ("Brewster-Universal"), 18 Beaver, Newark, N. J.

Freeman, E. H. Electric Co. ("Russell," Sign, Porcelain for Metal Faced Signs), Trenton, N. J.

GENERAL ELECTRIC CO., Schenectady, N. Y.. & 30 Church, New York. (See adv. index & branch offices, end of book)

HART MFG. CO. ("Diamond H"), 108 Allyn, Hartford, Conn. (See adv. index & branch offices, end of book)

Hubbell, Harvey (Inc.) (Floor), Bridgep't, Conn.

Marshall Elec. Mfg. Co. (Flush), Boston, Mass.

Mercer Electric Mfg. Co., Trenton, N. J.

Paiste, H. T. Co. ("Fielding"), 32d & Arch, Phila., Pa.

Pass & Seymour ("P. & S." Waterproof, etc.), Solvay, N. Y.

Perkins Electric Switch Mfg. Co., Bridgeport, Conn.

Peru Electric Mfg. Co., Peru, Ind.

Stanley & Patterson (Newcode"), 23 Murray, New York

Tregoning Electric Mfg. Co., Cleveland, O.

Trumbull Electric Mfg. Co., Plainville, Conn.

Weber Electric Co., 131 State, Boston, Mass.

Weeks, Nelson, 227 William, New York

Yost Electric Mfg. Co. (Sign & Cleat), Toledo, Ohio

Record Holders (Wire Phonograph)

Stanley & Paterson, 23 Murray, New York

Syracuse Wire Works, Syracuse, N. Y.

Recorders (Cash)

Hough Cash Recorder Co. ("Security"), Indian Orchard, Mass.

Recorders (Moscrop, Continuous Speed)

Ashcroft Mfg. Co., The, (For Steam, Electric, Cable, Engine & Water Motors), 85 Liberty, New York

Recorders (Pressure & Speed)

Central Laboratory Supply Co. ("Vawter" Speed), La Fayette, Ind.

Du Vivier, Ernest H., 30 Church, New York

Schaeffer & Brudenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Uehling Instrument Co., Passaic, N. J.

Recorders (Railway Speed)

Chicago Pneumatic Toll Co., Fisher bldg, Chicago, Ill.

Venango Mfg. Co., Franklin, Pa.

Recorders (Water Level)

Du Vivier, Ernest H., 30 Church, New York

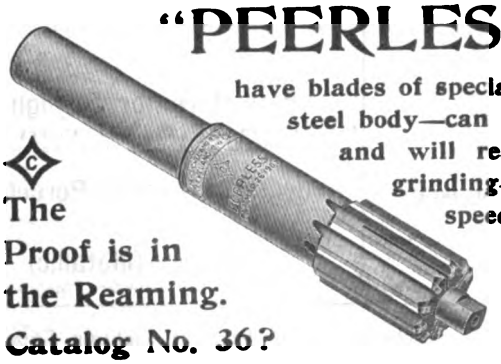
Uehling Instrument Co., Passaic, N. J.

Rectifiers (For Changing Alternating to Direct Current)

Churcher Electric & Mfg. Co., Cincinnati, O.

Electrical & Mechanical Development Co. ("Hickley"), Asbury Park, N. J.

"PEERLESS" HIGH SPEED REAMERS



have blades of specially selected high speed steel solidly joined to a soft steel body—can be run at double the speed of carbon steel reamers and will ream two or three times as many holes without grinding—costs you only half as much as other solid high speed reamers.

The Proof is in the Reaming.

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GENERAL ELECTRIC CO. ("Mercury Arc"). Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Ruprecht Electrical Co., Cleveland, O.
Sirch Electrical & Testing Laboratories, Los Angeles, Cal.
WESTINGHOUSE ELEC. & MFG. CO. ("Cooper Hewitt"), Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Rectifiers (Mercury Arc)

GENERAL ELECTRIC CO. (for Changing Alternating Current to Direct Current), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

*Red Lead (Enamelers')

NEVIN, T. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)

Reds (Venetian)

Hanna & Andres Mfg. Co. (English), Chicago, Ill.
Herrmann, Morris & Co., 68 William, New York
Macneal's Varnish & Color Works (American & English), Baltimore, Md.
Mepham, Geo. S. & Co., East St. Louis, Ill.
Smith, J. Lee, & Co., 59 Frankfort, New York

Reducing Wheels

(See also Indicators; also Planimeters)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co., 85 Liberty, New York
Bushnell, John S. & Co. ("Ideal"), 227 Fulton, New York
CROSBY STEAM GAGE & VALVE CO., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Dean, H. C. Machine Co. ("Tolman"), Fitchburg, Mass.
Hall Mfg. Co. ("Hall's" Improved), John & Cliff, New York
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Lippincott Steam Specialty & Supply Co. ("Lippincott"), Newark, N. J.
Mallery-Maschke Co. (Indicator), 123 Liberty, New York
Robertson, Pas. L. & Sons Co. ("The Victor"), 204 Fulton, New York
Star Brass Mfg. Co., Boston, Mass.
Thompson, Richard & Co. ("Ideal"), 126 Liberty, New York
Trill Indicator Co. ("Faultless"), Corry, Pa.
Watts Regulator Co., Lawrence, Mass.
Webster & Perks Tool Co. (Aluminum), Springfield, O.

Reeds (Car Seat, Chair, Etc.)

National Patent Reed Co., Unionville, Conn.

Reels (Blasting Cable)

Anderson, Homer, Peekskill, N. Y.
Kirk, Arthur & Son, Pittsburg, Pa.

*Reels (Centrifugal)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Reels (Chalk Line)

Bliss, R. Mfg. Co., Pawtucket, R. I.
Evansville Tool Works, Evansville, Ind.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Moulton, W. F., Manchester, N. H.
Sandusky Tool Co., Sandusky, O.
Stanley Rule & Level Co., New Britain, Conn.
Union Hardware Co., Torrington, Conn.

Reels (Clothes Line)

Gehl Bros. Mfg. Co., West Bend, Wis.
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Rock River Mfg. Co., Dixon, Ill.
Schreiber & Conchar Mfg. Co., Dubuque, Iowa
Sommer's, John, Son, Newark, N. J.

Reels (Fire Hose)

(See Reels & Racks, Fire Hose)

Reels (Fishing)

Gladding, B. F. & Co., So. Ostelic, N. Y.
Hendryx, Andrew B. Co., New Haven, Conn.
Martin Automatic Fish Reel Co. ("Martin's" Automatic), Mohawk, N. Y.
Meek, B. F. & Son (Inc.), Louisville, Ky.
Meisselbach, A. F. & Bro.), ("Tak-a-part"), Newark, N. J.
Montague City Rod Co., Montague City, Mass.

Reels (Garden Hose)

Wirt & Knox Mfg. Co. ("Wirt's"), 22 N 4th, Phila., Pa.

*Reels (Hexagon)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Reels (Mason)

Beall Bros. (Inc.), Alton, Ill.

Reels (Payout & Take-Up)

Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Cope, T. J., 1445 Westmoreland, Phila., Pa.
Dicke, C. H. Tool Co. ("Wasson"), Downers Grove, Ill.
Irish, W. F. Electric Co. ("Shamrock"), 60 Cortlandt, New York
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Meckel, Fred. L., 77 E 13th, Chicago, Ill.
Minneapolis Electric & Construction Co., Minneapolis, Minn.
Nagel, W. G. Electric Co. ("Ready"), Toledo, Ohio
Noblett, E. J. Co., Peoria & 121st, Chicago, Ill.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Therien Tool Works, Minneapolis, Minn.
Woonsocket Shuttle Co., Woonsocket, R. I.

*Reels (Scalping)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Reels (Sifter Bolting)

BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)

Reels (Wire)

Blake & Johnson Co., Waterbury, Conn.
Elgin Mfg. Co. ("McMahon" for Stringing Telephone & Telegraph Wires), Elgin, Ill.
Hallett Iron Works ("McMahon"), 92 Polk,
Hoefer Mfg. Co., Freeport, Ill. Chicago, Ill.
Koegel, Chas. & Sons, Holyoke, Mass.
Mayer, Clarence, Ellsworth bldg., Chicago, Ill.
Moesberg, Frank Co., Attleboro, Mass.
Morgan Construction Co., Worcester, Mass.
Richmond Safety Gate Co., Richmond, Ind.
SHUSTER, F. B. CO. (Adjustable), New Haven, Conn. (See adv. index, end of book)
Spicer Mfg. Co., New Philadelphia, O. book)
Turner, Vaughn & Taylor Co., Cuyahoga Falls, O
Wasson Reel Co. ("Wasson"), Clinton, Ill.

Reels & Racks (Fire Hose)

Allen, W. D. Mfg. Co. ("Bowes," "Dewey," "Hartford" & "Ryerson"), 151 Lake, Chicago, Ill.
American Fire Apparatus Co., 1 Madison av., New York
Ansonia Mfg. Co. ("Simplex"), 355 W 16th, New York
Clay John H. (Swinging), 1820 Ridge av. Phila., Pa.
Cliff & Guibert Co., 198 W B'way, New York
Hayward, S. F. & Co. (Fire Hose), 39 Park pl., New York
Howard, H. J. M. ("Howard's" Swinging) 113 4½ st, S W, Washington D. C.
Jiffy Fire Hose Rack Co. ("Jiffy" Fire Hose Racks), 727 7th av, New York
Manhattan Rubber Mfg. Co. (Swinging), 19 Vesey, New York, & Passaic, N. J.
Mineralized Rubber Co. ("The A. B. C."), 19 Cliff, New York
New York Coupling & Supply Co., 58 Ann, New York
Nuhring, Chas., & Bro. ("Safety" Swinging & Automatic), 907 Walnut, Cincinnati, Ohio
Revere Rubber Co. ("Schenck"), 63 Franklin, Boston, Mass
Seagrave Co., High & H. V. Ry., Columbus, O.
U. S. Metal & Mfg. Co. (Sole Railroad Agents for Cliff & Guibert's Automatic Hose Reels), 165 Broadway, New York
Whitehurst, R. W. Co., Norfolk, Va.
Wirt & Knox Mfg. Co. ("Hump"), 22 N 4th, Phila., Pa

Reflectors (Electric Light)

(See Shades & Reflectors; also Reflectors, Various Kinds)

Reflectors (Enameled Iron)

Baltimore Enamel & Novelty Co., Allen & Clement, Baltimore, Md.

*Reflectors for Art Galleries

FRINK, ISAAC P., 551 Pearl, New York. (See adv. index, end of book)

Reflectors for Churches, Halls Etc.

American Reflector & Lighting Co., 52 W Jackson boul, Chicago, Ill.
Bailey Reflector Co., 547 4th av, Pittsburg, Pa.
Boesch Lamp Co., San Francisco, Cal.
Burger, Alois, 39 E 8th, New York
Dayton Mfg. Co., Dayton, O.
FRINK, ISAAC P., 551 Pearl, New York. (See adv. index, end of book)
Gaumer, John L. Co., 22d & Wood, Phila., Pa.
Gillinder & Sons (Inc.) (Glass), 135 Orkney, Phila., Pa.
Gleason, E. P. Mfg. Co., 37 Murray, New York
Glemm & Co., 132 N 5th, Phila., Pa.
Kneeland Reflector Co., 18 Pitts, Boston, Mass
Kraushaar Brass Mfg. Co., 508 Lm, St. Louis, Mo
McCreary, A. A. ("McCreary"), 136 Liberty, New York
Martin Bradley Co., San Francisco, Cal.
Mitchell-Vance Co., 836 B'way, New York
National X-Ray Reflector Co., 345 E. Jackson boul., Chicago, Ill.
Sunlight Reflector Co., 141 Court, Brooklyn, N. Y.
Wheeler Reflector Co., 156 Pearl, Boston, Mass

*Reflectors for Daylight

FRINK, ISAAC P., 551 Pearl, New York. (See adv. index, end of book)

Reflectors (Glass & Porcelain)

(See Shades & Reflectors, Glass & Porcelain)

Reflectors (Metallic)

(See Shades & Reflectors, Metallic)

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Reflectors (Mirror)

(See Shades & Reflectors, Mirror)

*Reflectors (Oil Lamp)

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*Reflectors (Window)

FRINK, ISAAC P., 551 Pearl, New York. (See adv. index, end of book)

Refrigerators

Alaska Refrigerator Co., Muskegon, Mich.
Atkin, C. B., Co., Knoxville, Tenn.
Baldwin Refrigerator Co., Burlington, Vt.
Becker, L. A. Co., Halstead & 22d, Chicago, Ill.
Belding-Hall Mfg. Co., 213 Canal, New York
Challenge Refrigerator Co., Grand Haven, Mich.
Chattahoochee Furniture Co., Flowery Branch, Ga.
Cincinnati Refrigerator & Fixture Co. (Chamberlain-Lined), Cincinnati, O.
Cleveland Store Fixture Co., 4059 St. Clair av, N E, Cleveland, O.
Cold Storage Refrigerator Co., Eau Claire, Wis.
Cooper & McKee, 119 Lorimer, Brooklyn, N. Y.
Dillingham Mfg. Co., Sheboygan, Wis.
Eclipse Refrigerator Works, Burlington, Vt.
Eddy, D. & Sons Co., 336 Adams, Boston, Mass.
Ehrlich, H. & Sons, St. Joseph, Mo.
Ehlers, Robert J. Co., 432 Lexington av, New York
Eureka Refrigerator Co., Indianapolis, Ind.
Gale Mfg. Co. ("Allwin" Iceless), Galesburg, Ill.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Gurney Refrigerator Co., Fond du Lac, Wis.
Hall, A. D. & Son, 33 Spice, Boston, Mass.
Hall, W. E. & Co., 116 Edward, Phila., Pa.
Herrmann Furniture & Plumbers Cabinet W'ks, 254 Canal, New York
Holbrah-Dieckmann Refrigerator & Fixture Co., 615 Walnut, St. Louis, Mo.
Home Metallic Refrigerator Co. ("De Vaux" Sanitary Metallic), Albert Lea, Minn.
Illinois Refrigerator Co., Morrison, Ill.
Indiana Mfg. Co., Peru, Ind.
Jewett, John C. Mfg. Co., Buffalo, N. Y.
Jointless Refrigerator Co., Milwaukee, Wis.
Knoell, John & Sons (Inc.), 171 Jefferson, Phila., Pa.
Lorillard Refrigerator Co., 25 W. 32nd, New York
Lorillard Refrigerator Co., 23 W 34th, New York
McCray Refrigerator Co., Kendallville, Ind.
Mace, L. H. & Co., 111 E Houston, New York
Maine Mfg. Co., Nashua, N. H.
Marietta Glass Mfg. Co. (Eureka Opal), Indianapolis, Ind., & 156 Fifth av., N. Y.
Metal Stamping Co. (Metal, "White Frost"), Jackson, Mich.
Michigan Barrel Co. ("Yukon" & "Economic"), Grand Rapids, Mich.
Monarch Refrigerator Works, Burlington, Vt.
Monroe Refrigerator Co. (Porcelain), Lock-New Farson Mfg. Co., Chester, Pa. land, O.
Northern Refrigerator Co., Grand Rapids, Mich.
Odoriess Refrigerator Co., Chattanooga, Tenn.
Ranney Refrigerator Co., Greenville, Mich.
Rhinelander Refrigerator Co., Rhinelander, Wis.
Seidel Furniture Mfg. Co., 516 Barracks, New Orleans, La.
Steinfield Bros., 620 B'way, New York
Viking Refrigerator & Mfg. Co., Kansas City, Mo.
Vogt, Peter A., Buffalo, N. Y.
Western Cabinet & Fixture Mfg. Co., Kansas City, Mo.
White Enamel Refrigerator Co., St. Paul, Minn.
Wilke Mfg. Co., Anderson, Ind.
Wisconsin Refrigerator Co., Eau Claire, Wis.

Refrigerators & Cooling Rooms

Alaska Refrigerator Co., Muskegon, Mich.
Baldwin Refrigerator Co., Burlington, Vt.
Cooper, Madison Co. (Refrigerating Architects & Engineers), Watertown, N. Y.
Cooper & McKee, 119 Lorimer, Brooklyn, N. Y.
Eureka Refrigerator Co., Indianapolis, Ind.
Gloekler, Bernard Co. (Refrigerators Only), Pittsburg, Pa.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Gurney Refrigerator Co., Fond du Lac, Wis.
Heinz & Meunschaner, Superior & Randall, Buffalo, N. Y.
Holmes, C. D., 20 Creek sq, Boston, Mass.
Illinois Refrigerator Co., Morrison, Ill.
Indiana Mfg. Co., Peru, Ind.
Jewett, John C. Mfg. Co., Buffalo, N. Y.
Jewett Refrigerator Co., 27 Chandler, Buffalo, N. Y.
Lorillard Refrigerator Co., 25 W. 32nd, New York
McCray Refrigerator Co. (All Sizes & Constructions), Kendallville, Ind.
Maine Mfg. Co., Nashua, N. H.
Michigan Barrel Co. (White Enamel), Grand Rapids, Mich.
Perkins Mfg. Co., St. Paul, Minn.
Racine Refrigerator & Fixture Co., Racine, Wis.
Randall, R. T. & Co. (Butchers, etc.), 333 N 2d, Phila., Pa.
Ranney Refrigerator Co., Greenville, Mich.
Rhinelander Refrigerator Co., Rhinelander, Wis
Ridway Refrigerator Co., 707 N Broad, Phila., Pa.
Stevens, B. A. Co., Toledo, O.
Viking Refrigerator & Mfg. Co., Kansas City, Mo.
Weaver, Edw. E., Tamaqua, Pa.
White Enamel Refrigerator Co. (Bohn Syphon System for Refrigerator & Dining Cars), 1340-1400 University av, St. Paul, Minn.
Wilke Mfg. Co., Anderson, Ind.
Wisconsin Refrigerator Co., Eau Claire, Wis.
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

Refrigerators & Cooling Rooms (Glass Lined)

Baldwin Refrigerator Co., Burlington, Vt.
Cooper & McKee (Opalite), 113 Lorimer, Brooklyn, N. Y.
Jewett Refrigerator Co., Buffalo, N. Y.
Lorillard Refrigerator Co., 25 W. 32nd, New York
McCray Refrigerator Co., Kendallville, Ind.
Viking Refrigerator & Mfg. Co., Kansas City, Mo.
White Enamel Refrigerator Co., St. Paul, Minn.
Wilke Mfg. Co., Anderson, Ind.

Refrigerators & Cooling Rooms (Tile Lined)

Baldwin Refrigerator Co., Burlington, Vt.
Jewett Refrigerator Co., 27 Chandler, Buffalo, N. Y.
McCray Refrigerator Co. (Also Opal Tile Lined), Kendallville, Ind.
Stevens, Benj. A., Co., Toledo, O.
Viking Refrigerator & Mfg. Co., Kansas City, Mo.
White Enamel Refrigerator Co., St. Paul, Minn.
Wilke Mfg. Co., Anderson, Ind.

Registers (Autographic)

Autographic Register Co. ("Shoup's"), 10th, Clinton & Grand, Hoboken, N. J.
Egry Autographic Registry Co. (For Billing Sales & Shipping), 427 Monument av, Dayton, O.
Globe Register Co., 417 Sycamore, Cincinnati, Ohio
Hamilton Autographic Register Co., Hamilton, Ohio
McGaskey Register Co., Alliance, O.
United Autographic Register Co., 89 W Jackson, Chicago, Ill.

Registers (Car Fare)

Benton Mfg. Co., 9 Bethune, New York
Dayton Fare Recording Co., Dayton, O.
International Register Co. (Single & Double), 118 W Jackson boul, Chicago, Ill.
Ohmer Fare Register Co., Dayton, O.
Pay-As-You-Enter Car Co. ("McDonald"), 50 Church, New York
Recording Fare Register Co. (Tallying & Hand Tally), New Haven, Conn.
Rooke Automatic Register Co. (Automatic), Providence, R. I.
Security Register & Mfg. Co., 1512 Clark av, St. Louis, Mo.
Sterling-Meaker Co., 420 Ogden, Newark, N. J.
Woodman, R. Mfg. & Supply Co. (Hand), Boston, Mass.

Registers (Cash)

American Cash Register Co. ("Hallwood"), Columbus, O.
Autographic Register Co., Hoboken, N. J.
Automatic Cashier Co. ("Automatic" Cashiers), 40 Charter Oak av, Hartford, Conn.
Century Cash Register Co., Detroit, Mich.
Hough Cash Recorder Co. ("Security"), Indian Orchard, Mass.
Michigan Cash Register Co., Detroit, Mich.
National Cash Register Co., Dayton, O.
United Autographic Register Co., 89 W. Jackson boul., Chicago, Ill.
Whiting Mfg. Co., Northboro, Mass.

*Registers (Engine)

NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)

Registers (Grain)

Advance Thresher Co., Battle Creek, Mich.
Champion Thresher Co., Orrville, O.
Howell Mfg. Co., Minneapolis, Minn.

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

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Huber Mfg. Co., Marion, O.
Miller, Wm. S., Meyersdale, Pa.
Nesmith, C. L., Washington, Ill.
Nichols & Shepard Co. ("The Smith"), Battle Creek, Mich.
Nordyke & Marmon Co., Indianapolis, Ind.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Registers (Hand Tally)

Benton Mfg. Co., 9 Bethune, New York
Pratt & Whitney Co., Hartford, Conn.
Root, C. J., Bristol, Conn.
Woodman Mfg. & Supply Co., Boston, Mass.

Registers (Hot Air)

Auer Register Co., Cleveland, O.
Columbian Hardware Co. ("Tubo" Wrought Steel), Cleveland, O., & 168 Church, New York
Creamer, W. G. & Co., 96 John, New York
Detroit Register Co., Detroit, Mich; Works, Milan, Mich.
Excelsior Steel Furnace Co., 40 W Monroe, Chicago, Ill.
Ferrosteel Co., Cleveland, O.
HART & COOLEY CO. (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Highton, Wm. & Sons, Nashua, N. H.
Ideal Register Metallic & Furniture Co., Detroit, Mich.
Independent Register & Mfg. Co., Cleveland, Ohio
Mueller, L. J. Furnace Co. (Steel & Cast Iron, Wall & Floor), Milwaukee, Wis.
Novelty Mfg. Co., Jackson, Mich.
Phila. Hardware & Malleable Iron W'ks (Inc.) ("Colonial"), 9th & Jefferson, Phila., Pa.
Schreiber & Conchar Mfg. Co., Dubuque, Ia.
Standard Foundry & Mfg Co., Cleveland, O.
Stowell Mfg. & Foundry Co. (Floor & Side Wall), South Milwaukee, Wis.
Symonds Mfg. Co. (Wall), E St. Louis, Ill.
Syracuse Stove Works ("Kernan Welcome"), Syracuse, N. Y.
Tuttle & Bailey Mfg. Co. (Cast Iron, also Wrought Steel), 83 Beekman, New York
XXth Century Heating & Ventilating Co., Akron, O.
U. S. Register Co. ("Jones" Side Wall Ventilating), Battle Creek, Mich.
Walworth Run Foundry Co., 2488 W. 27th, S. W., Cleveland, O.
Waterloo Register Co., Waterloo, Ia.

Registers (Hot Water)

Excelsior Steel Furnace Co., 40 W Monroe, Chicago, Ill.

Registers (Pressure, for Gas Works)

Connelly Iron Sponge & Governor Co., 50 Church, New York

Registers (Stove Pipe)

Arcade Mfg. Co., Freeport, Ill.

Regulators (Air)

Charm Air Regulator Co. (Aluminum), 966 Myrtle av., Brooklyn, N. Y.

*Regulators (Blower, Electric)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Regulators (Boiler Feed)

(See Regulators, Feed Water)

*Regulators (Car Heating)

FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)

*Regulators (Compressor, Electric)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Regulators (Controller, Electric Railway)

Durkin Controller Handle Co., Phila., Pa.

Regulators (Damper)

(See also Furnace Regulators; also Pressure Regulators)

Acton, John, ("The Acme"), 118 John, Brooklyn, N. Y.
American Radiator Co. ("Sylphon"), 282 Michigan av, Chicago, Ill.
Atwood & Morrill ("XX Century"), Salem, Mass.
Automatic Damper Co. ("Ferdinand"), Milwaukee, Wis.
Berry Engineering Co. ("Berry"), Chester, Pa.
Burrows Mfg. Co. (Automatic), York, Pa.
Collins Mfg. Co. ("Collins" Automatic), 612 Chestnut, Phila., Pa.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book.)
Davis, Geo. M. Regulator Co., 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co. ("Curtis"), Boston, Mass.
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Doolittle, S. B. & Son ("Economy"), Binghamton, N. Y.
Ford, Thos. P. Co., 407 Broome, New York
Hess & Barker ("Kellum" Improved), 605 Sansom, Philadelphia, Pa.
Howard Thermostat Co. ("Sprague" Automatic Damper & Valve Regulator), Oswego, N. Y.
Kellogg-Mackay Co. ("Morgan's" for Steam & Hot Water), 19 W 18th, Chicago, Ill.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
KEWANEE BOILER CO., Kewanee, Ill. & 35 Michigan, Chicago, Ill. (See adv. index, end of book)
Kieley & Mueller (Improved "Climax"), 3[illegible] 13th, New York
Kipp, A., Jr., Ossining, N. Y.
Kitts Mfg. Co. (For Steam Boilers), Oswego, N. Y.
Klipfel Mfg. Co., 44 N Carpenter, Chicago, Ill.
Lagonda Mfg. Co., Springfield, O.
Lawler Regulator Co. (Hot Water), 472 B'way, New York
Lippincott Steam Specialty & Supply Co., Newark, N. J.
Locke Regulator Co. (Steam), Salem, Mass.
Lonergan, J. E. & Co. ("Kellam" Steam), 21 Race, Phila., Pa.
Mason Regulator Co., Boston, Mass.
Nason Mfg. Co. (Low Pressure), 71 Beekman, New York
Newbury Mfg. Co. (Low Pressure), Monroe, N. Y.
Patterson Mfg. Co., Baltimore, Md.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index & branch offices, end of book)
Powers Regulating Co., 40 Dearborn, Chicago, Ill.
Robertson, Jas. L. & Son (Inc.), 48 Warren, New York
Rutzler, E. Co. (Pressure), 127 White, New York
Schaefer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Spencer Regulator Co. ("Spencer"), Salem, Mass.
Standard Steam Specialty Co. ("Utility"), 32 W B'way, New York
Stillman-Carmichael Co. ("Stillman-Carmichael"), 19 Pearl, Boston, Mass.
Straight Line Regulator Co., 1344 Ridge av, Phila., Pa.
Thompson, Richard & Co. ("Thompson & Spencer" High or Low Pressure), 128 Liberty, New York
Watts Regulator Co. ("The Lawrence"), Lawrence, Mass.

*Regulators (Dynamo Field)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

*Regulators (Electric Blower)

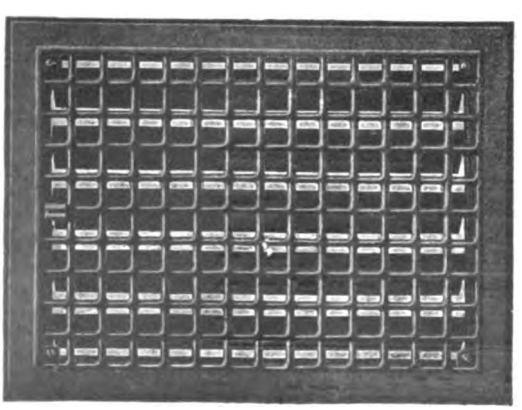
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Regulators (Electric Fan)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Regulators (Electric Pump)

(See Governors, Electric Pump)



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*Regulators (Exhaust Pressure)

LUKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Regulators (Fan Engine)

Davis, G. M. Regulator Co., 144 Milwaukee av, Chicago, Ill.
FOSTER ENGINEERING CO. (For Induced or Forced Draft), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Kitts Mfg. Co., Oswego, N. Y.
Nason Mfg. Co., 71 Beekman, New York
Rice, Barton & Fales Machine Co., Worcester, Mass.
Ross Valve Mfg. Co., Troy, N. Y.
St. Louis Steam Engine Co., St. Louis, Mo.
Star Brass Mfg. Co., Boston, Mass.
STRONG, CARLISLE & HAMMOND CO. ("The Squires"), 336 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Thomas Brass & Iron Co., Waukegan, Ill.
Trask, H. D. Co., 74 Portland, Boston, Mass.
Union Water Meter Co., Worcester, Mass.
Waters Governor Co., Everett, Mass.
Watson & McDaniel Co. (For Steam, Water & Air), 146 N 7th, Phila., Pa.
Watts Regulator Co., Lawrence, Mass.

Regulators (Feed Water)

(See also Regulators, Pump; also Governors, Pump)

Adams Regulator Co., Fargo, N. D.
Atlas Engineering Co., Newark, N. J.
Berry Engineering Co. ("Berry"), Chester, Pa.
Boston Steam Specialty Co., Boston, Mass.
Burrows Mfg. Co. ("Burrows"), York, Pa.
Chaplin-Fulton Mfg. Co. ("Vigilant"), Pittsburg, Pa.
Ford, Thos. P. Co. ("Ford"), 407 Broome, New York
Foster, F. W. Mfg. Co. ("Nev-R-Lek"), Boston, Mass.
Jerguson Mfg. Co. ("Wiltbonco"), Boston, Mass
Kitts Mfg. Co. (Safety), Oswego, N. Y.
Liberty Mfg. Co., 6907 Susquehanna, Pittsburg, Pa.
Locke Regulator Co., Salem, Mass.
McCrea, Jas. & Co. ("Rowe"), 65 W Washington, Chicago, Ill.
Murray Automatic Boiler Feed Co., Detroit, Mich.
Nichols & Whittaker ("Positive"), Methuen, Mass.
Northern Equipment Co. ("Copes"), Old Colony bldg., Chicago, Ill.
S. C. Regulator Co. ("S. C."), Fostoria, O.
Safety Equipment Mfg. Co. ("Gould"), Fisher bldg., Chicago, Ill.
Standard Steam Specialty Co. ("Utility"), 342 W B'way, New York
STRONG, CARLISLE & HAMMOND Co. ("The Squires"), 336 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Williams Gauge Co. ("Williams" Automatic Safety), Pittsburg, Pa.

Regulators (Furnace)

Cobb, Chas. C. (Furnace), 71 Gold, New York
Driesbach, L. & Co., 1407 N 8th, Phila, Pa.
Farquhar Furnace Co. ("Farquhar"), Wilmington, O.
Kees, F. D., Mfg. Co. ("Fuelsaver"), Beatrice, Neb.
Lawler Regulator Co., 473 W B'way, New York
Norcross Furnace Regulator Co., 71 Gold, New York
Puffer, W. E. & Sons (Automatic), 113 Beekman, New York
Quaker Mfg. Co. (Furnace Time Regulators), Chicago Heights, Ill.
Ridgeway Furnace Co., 6 Portland, Boston, Mass.
Riverside Mfg. Co., 162 Riverside av, Newark, N. J.
Rowe, L. L., 72 Portland, Boston, Mass.
White, C. H. & Co. (Automatic), 22 Bowker, Boston, Mass.

*Regulators (Gas)

STRONG, CARLISLE & HAMMOND CO. ("The Squires"), 336 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Regulators (Gas Pressure)

Baylis Co. ("Colonial"), 140 Greenwich, New York
Bishop & Babcock Co. (Carbonic Acid), 49th & Hamilton av., Cleveland, O
Boyce, Myron J., 584 Hudson, New York
Chaplin-Fulton Mfg. Co. ("Fulton"), Pittsburg, Pa.
Combustion Utilities Co., 60 Wall, New York
Crane, Wm. M. Co. ("Perfect Vulcan"), 16 W 32d, New York
Equitable Meter Co. ("Crawford" Sensitive), 439 Water, Pittsburg, Pa.
Evans Mfg. Co., Butler, Pa.
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)

PRESSURE REGULATORS

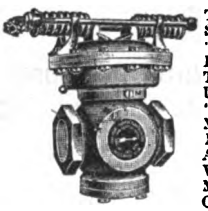
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GAS POWER CO., 2 Rector, New York. (See adv. index, end of book)
Gleason, E. P. Mfg. Co., 37 Murray, New York
Hughson Steam Specialty Co. ("Eclipse"), 5021 S State, Chicago, Ill.
Jacobson Machine Mfg. Co., Warren, Pa.
McLaughlin, Geo. G. Mfg. Co., 812 E 6th Boston, Mass.
Noyes Mfg. Co., 47 Indian, Boston, Mass.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Perfect Gas Controller Co., 50 5th av, Chicago, Ill.
PITTSBURG METER CO., East Pittsburg, Pa.
Powers Regulator Co. (Natural Gas), 40 Dearborn, Chicago, Ill.
Reynolds Gas Regulator Co. (Low Pressure), Anderson, Ind.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Sleeman, Nathaniel, New Haven, Conn.
Turner Brass Works, Sycamore, Ill.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Wright, Geo., Lapel, Ind.

Regulators (Heat)

Atwood & Morrill ("XX Century"), Salem, Mass.
Automatic Heat Regulator Co. ("South Bend"), South Bend, Ind.
Beers Bros. Thermostat Co., Rochester, N. Y.
Black Heat Regulator Co. ("Black"), Euclid & McPherson avs., St. Louis, Mo.
Chaplin-Fulton Mfg. Co., 27 Penn av, Pittsburg, Pa.
Chicago Heat Regulator Co. ("Chicago"), 40 Dearborn, Chicago, Ill.
D'Este, Julian Co. ("Curtis"), Boston, Mass.
Detroit Heating & Lighting Co., Wight, nr Leib, Detroit, Mich.
Electric Heat Regulator Co. (Automatic), Minneapolis, Minn.
Enterprise Mfg. Co., Newburgh, N. Y.
Geetsy Co. (Mechanical Air Moisteners or Temperature Controllers), 2548 Evanston av., Chicago, Ill.
Geissinger Regulator Co., 203 Greenwich, New York
Hawkins, Rollyn Co. (Automatic), Indianapolis, Ind.
Howard Thermostat Co., Oswego, N. Y.
International Heater Co., Utica, N. Y.
Jewell Mfg. Co., Auburn, N. Y.
Johnson Service Co. ("Johnson" System of Temperature Regulating), Milwaukee, Wis.
Klipfel Mfg. Co., 44 N Carpenter, Chicago, Ill.
Lawler Regulator Co., 473 W B'way, New York
Locke Regulator Co. ("Locke's" Office Heating), Salem, Mass.
Mack Automatic Heat Regulator Co. (Automatic), Port Plain, N. Y.
National Regulator Co. (For Control of Dampers & Valves in a Heating Apparatus), 334 Dearborn, Chicago, Ill.
National Steam Specialty Co. ("National" Heat Controller), 230 E Washington, Chicago, Ill.
Norwall Mfg. Co. ("Alle"), 154 Lake, Chicago, Ill.
Powers Regulator Co. 40 Dearborn, Chicago, Ill.
Queen City Electric Co. ("Guion Thermostat"), Elmira, N. Y.
Standard Temperature Regulation Co. (Automatic), Newark, N. J.
Tagliabue, Chas. J., Mfg. Co., 51 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.
Thermograde Valve Co., Boston, Mass.
Utica Steam Gauge Co., Frankfort, N. Y.
Weld, Geo. A. Co., Boston, Mass.
Williams, F. H. ("Economy"), Greene, N. Y.

Regulators (Hot Water)

KEWANEE BOILER CO. ("Kewanee"), Kewanee, Ill., & 35 Michigan, Chicago, Ill. (See adv. index, end of book)
Lawler Regulator Co., 473 W Broadway, New York
Weld, Geo. A. Co. ("Weld," Automatic Damper Regulators), 41 Lincoln, Boston, Mass.

Regulators (Hydraulic)

Locke Regulator Co., Salem, Mass.
Waters Governor Co., 84 Oliver, Boston, Mass. Works: Everett, Mass.

Regulators (Moisture)

Johnson Service Co. (Humidostat), Milwaukee, Wis.

*Regulators (Motor Speed)

CUTLER HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Regulators (Organ, Electric)

CUTLER HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Regulators (Pressure)

Acton, John, 118 John, Brooklyn, N. Y.
American District Steam Co. (Steam), Lockport, N. Y.
Atlas Engineering Co., Newark, N. J.
Belfield, H. & Co. (High & Low Pressure), 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Burrows Mfg. Co., York, Pa.
Chaplin-Fulton Mfg. Co., Pittsburg, Pa.
Collins Mfg. Co. ("Collins" Automatic Oil), 612 Chestnut, Phila., Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)

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CUTLER-HAMMER MFG. CO. (Electrically Operated Pressure Regulators for Use in Connection with Motor Driven Pumps & Air Compressors), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Davis, Geo. M. Regulator Co., 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Dow, Geo. E. Pumping Engine Co., 179 1st, San Francisco, Cal.
FOSTER ENGINEERING CO. (For Air, Ammonia, Steam, Gas, Oil, etc.), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Gilchrist, Geo. E. Co. ("The Boston"), 106 High, Boston, Mass.
GARDNER GOVERNOR CO. ("Gardner" Speed & Pressure), Quincy, Ill. (See adv. index, end of book)
Johnson Service Co. (Pressure Governors & Reducing Valves for Steam, Water, Gas & Air), Milwaukee, Wis.
Kieley & Mueller (Steam), 34 W 13th, New York
Kelly & Jones Co., Pittsburg, Pa.
Kipp, A., Jr., Ossining, N. Y.
Kitts Mfg. Co., Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Lawler Regulator Co., 473 W B'way, New York
Leslie Co. (Inc.), ("Leslie"), Lyndhurst, N. J.
Locke Regulator Co. ("New Era," Steam), Salem, Mass.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Mason Regulator Co., 158 Summer, Boston, Mass.
Ohio Brass Co. ("Collin"), Mansfield, Ohio
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Ross Valve Mfg. Co. (Air, Steam & Water), Troy, N. Y.
Spencer Regulator Co. ("Spencer"), Salem, Mass.
STRONG, CARLISLE & HAMMOND CO., ("The Squires"), 336 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)
Tagliabue, Chas. J., Mfg. Co., 51 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Trask Heating Co., 76 Sudbury, Boston, Mass.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Waters Governor Co., 34 Oliver, Boston, Mass. Works: Everett, Mass.
Watson & McDaniel Co. (For Steam, Water & Air), 146 N 7th, Philadelphia, Pa.
Watts Regulator Co., Lawrence, Mass.

Regulators (Pressure, for Cane Mills)

Buchel Machine Works, New Orleans, La.

Regulators (Pump)

(See Governors, Pump)

*Regulators (Rheostat)

CUTLER HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Regulators (Slasher)

Atwood & Morrill ("XX Century"), Salem, Mass.
Locke Regulator Co., Salem, Mass.

Regulators (Speed)

(See Controllers, Various Kinds; also Indicators, Various Kinds)

Regulators (Steam Engine)

(See Governors, Steam Engine)

Regulators (Steam Heat, for Train Service)

FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
Locke Regulator Co., Salem, Mass.

*Regulators (Stoker Equipment)

FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)

Regulators (Tank, Hot Water)

National Regulator Co., 111 W Harrison, Chicago, Ill.
Weld, Geo. A. Co. ("Weld"), 41 Lincoln, Boston, Mass.

Regulators (Temperature)

(See Regulators, Heat)

*Regulators (Vibration Proof)

GEISSINGER REGULATOR CO., 203 Greenwich, New York

Regulators (Voltage)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Gilmore Electric Co. ("Chapman"), Boston, Mass.
Keystone Electric Co. ("Pusey"), 135 S 10th, Phila., Pa.
Lincoln Electric Co., Cleveland, O.
Portland Co. ("W. H. C."), Portland, Me.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Regulators (Water)

STRONG, CARLISLE & HAMMOND CO. ("The Squires"), 336 Frankfort av., N. W., Cleveland, O. (See adv. index, end of book)

Regulators (Water Pressure)

Aneshaensel, C. & Co. ("Reliable"), Indianapolis, Ind.
Atwood & Morrill, Salem, Mass.
Bishop & Babcock Co., Cleveland, O.
Chapin-Fulton Mfg. Co., Pittsburg, Pa.
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Davis, Geo. M. Regulator Co., 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Erwin Hydraulic Machinery Co., 204 Grand av, Milwaukee, Wis.
Ford, Thos. P. Co., 407 Broome, New York
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
Haydenville Co., Haydenville, Mass.
Kieley & Mueller, 34 W 13th, New York
Kitts Mfg. Co., Oswego, N. Y.
Locke Regulator Co. ("New Era"), Salem, Mass.
Mueller, H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co. ("Griffin"), 71 Beekman, New York
Powers Regulator Co., Chicago, Ill.
Ross Valve Mfg. Co., Troy, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Thompson, J. & Co., c Van Horn & Sophia, Phila., Pa.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Watts Regulator Co. ("Watts"), Lawrence, Mass.

Regulators (Water Wheel)

(See Governors, Water Wheel)

Regulators (Windmill)

Althouse Wheeler Co., Waupun, Wis.
Baker Mfg. Co. ("Baker"), Evansville, Wis.
Batavia Windmill Co., Batavia, Ill.
Bushnell Pump Co., Bushnell, Ill.
Challenge Windmill & Feed Mill Co., Batavia, Ill.
Deming Co., Salem, O.
Dempster Mfg. Co., Des Moines, Ia.
Eli Tank Heater Co., DeKalb, Ill.
FAIRBANKS, MORSE & CO., Wabash av, & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Fisher & Long, Decatur, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Heller, Aller & Co. (Hydraulic), Napoleon, O.
Hunt, Helm, Ferris & Co. ("The Star" & "Champion"), Harvard, Ill.
Kelly Mfg. Co., Waterloo, Iowa
Mast, Foos & Co., Springfield, O.
Meyers, F. E. & Bro., Ashland, O.
Novelty Mfg. Co., Rock Island, Ill.
Red Cross Mfg. Co. ("Acme"), Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia.
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Zimmerman Mfg. Co., Auburn, Ind.

*Reheaters (Air)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Reinforced Concrete Bridges

(See Bridges, Concrete Reinforced; also Concrete Steel Construction, Reinforced)

*Reinforcing Metals

(See also Concrete Reinforcing Materials)

RANSOME CONCRETE MACHINERY Co. (Twisted Steel), Dunellen, N. J. (See adv. index & branch offices, end of book)
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg., Detroit, Mich. (See adv. index & branch offices, end of book)

Relays for Electrical Contact

General Railway Signal Co., Rochester, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Remnants (Cotton)

Devon Mills (George S. Browne, Prop.) (Specially Absorbent for Cleaning), Providence, R. I.

*Remnants (Rubber Belt)

WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

*Repairs (Electrical Machinery)

PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)

Replacers (Car)

Adreon & Co. ("Fewing's"), St. Louis, Mo.
Alexander Car Replacer Co., Mears bldg, Scranton, Pa.
Buda Foundry & Mfg. Co. ("Buda"), Railway Exchange bldg, Chicago, Ill.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Hood Reraller Co., Raleigh, N. C.
Johnson Wrecking Frog Co., Cleveland, O.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Locomotive Appliance Co. ("Newton"), Old Colony bldg., Chicago, Ill.
Q. M. S. Co. ("Fewing's"), Plainfield, N. J.
Sargent-Hollingshead Co. ("Sargent Reraller"), Fisher bldg., Chicago, Ill.
Tilden, B. E. & Co., Monadnock blk., Chicago, Ill.
Traction Equipment Co. ("Aldon"), 72 Gratz av, Brooklyn, N. Y.
U. S. Metal & Mfg. Co. ("Perfect" Pressed Steel & "Victor" Cast Steel), 165 Broadway, New York
Washburn Steel Casting & Coupler Co., Minneapolis, Minn.

Replacers (Incandescent Lamp)

Crescent Co. ("Bates"), 103 W Adams, Chicago, Ill.
Matthews, W. N. & Bro. ("Easy"), St. Louis, Mo.
MORSE, FRANK W. ("Handy"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Reservoirs (Air Brake, Etc.)

Avery Stamping Co. ("Never Break"), Cleveland, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)

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*Resistance Blocks

DIXON, JOS. CRUCIBLE CO. (Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)

*Resistance Grids

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Resistance Rods & Carbons

DIXON, JOS. CRUCIBLE CO. (Graphite), Jersey City, N. J. (See adv index & branch offices, end of book)

Resistance Units

CUTLER HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Simplex Electric Heating Co., Cambridge, Mass.
Ward, Leonard, El. Co., Bronxville, N. Y.

Resistances (Standard)

WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Respirators

Cover, H. S. (Metal or Rubber), South Bend, Ind.
DIAMOND RUBBER CO. (Rubber), Akron, O. (See adv. index, end of book)
Hayward, S. F. & Co., 39 Park pl, New York

Rests (Pipe)

Grabler Mfg. Co., Cleveland, O.

Retorts (Cast Iron)

Cornell, J. B. & J. M. Co., 26th & 11th av, Love Bros. (Inc.), Aurora, Ill. New York
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Retorts (Chemical)

Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.

Retorts (Gas)

Baltimore Retort & Fire Brick Co., Nicholson, c. Hull, Locust Point, Baltimore, Md.
Bartley, Jonathan, Crucible Co., Trenton, N. J.
Borgner, Cyrus Co., 23d ab Race, Phila., Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Chicago Retort & Fire Brick Co., 45th & Clark, Chicago, Ill.
Didier-March Co., 50 Church, New York
FISKE & COMPANY, (Inc.), 25 Arch, Boston, Mass., & Flat Iron bldg., New York. (See adv. index, end of book)
Gardner, Jas., Jr. Co., Lockport, Pa.
Gas Machinery Co., Cleveland, O.
Gautier, J. H. Co., Jersey City, N. J.
KREISCHER BRICK MFG. CO., 119 E 23d New York.; Works: Kreischerville, S. I., N. Y. (See adv. index, end of book)
Laclede-Christy Clay Products Co., St. Louis, Mo.
Louisville Fire Brick Works, Highland Park, Louisville, Ky.
MAURER, HENRY & SON, 420 E 23d, New York; Penna. bldg. Phila., Pa.; Works: Maurer, N. J. (See adv. front inside cover)
MISSISSIPPI GLASS CO., 115 Broadway, New York. (See adv. index & branch offices, end of book)
Parker-Russell Mining & Mfg. Co., 417 Pine, St. Louis, Mo.
Phila. Fire Brick Works, 2306 Vine, Phila., Pa.

Retorts (Gold & Silver Melting)

Power & Mining Machinery Co., Cudahy, Wis.

Retorts (Wood Alcohol)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York

Revolution Counters

(See Counters, Revolution)

Revolver Mfrs.

(See Rifles, Guns, Etc.)

Revolving Doors

(See Doors, Revolving)

Rheostats

American Electric Fuse Co. (Motor Starting & Controlling), Muskegon, Mich.
Badt, F. B. & Co. (Mfrs.' Agts.), Monadnock blk, Chicago, Ill.
Benton, Thos. P. & Son, La Crosse, Wis.
Bernard, E. G. Co., Troy, N. Y.
Cushman Electric Co. (Compound Starting & Regulating), Concord, N. H.
Cutler Electrical & Mfg. Co., 1112 Sansom, Phila., Pa.
CUTLER-HAMMER MFG. CO. (For all Purposes), Milwaukee, Wis. (See adv. index, end of book)



Battery Charging Rheostats for storage and ignition batteries. THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis.

Darrin, D. H. Co. ("The Whittingham"), 120 Liberty, New York
ELECTRIC CONTROLLER & MFG. CO., Central & Giddings av., Cleveland, O. (See adv. index, end of book)
Federal Electric Co. (Automatic Motor Starting, for Elevator and General Service), North Girard, Pa.
Fort Wayne Electric Works (Motor Sterling), Fort Wayne, Ind.
GENERAL ELECTRIC CO. (for Generators, Motors & Projectors), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
International Instrument Co. (Water), 28 Church, Cambridge, Mass.
Jenney Electric Mfg. Co., Anderson, Ind.
Lincoln Electric Co., 49 Wood, Cleveland, O.
McIntosh Battery & Optical Co. (Cautery, etc.), 225 E Washington, Chicago, Ill.
Monitor Mfg. Co. (Automatic Motor Starting), Baltimore, Md.
Muir, Thos. & Son, Union Trust bldg, Detroit, Mich.
National Rheostat Co., 115 Franklin, Chicago, Ill.
Northern Engineering Works, 120 Liberty, New York
OTIS ELEVATOR CO. (Automatic), 17 Battery pl., New York. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC COMPANY, Mansfield, O. (See adv. index, end of book)
Putnam, Jos. E. (Automatic), Chamber of Commerce, Rochester, N. Y.
Quaker City Electric Co., 237 Dock, Phila., Pa.
Simplex Electric Heating Co., Cambridge, Mass.
Schureman, J. L. Co., 70 W Jackson boul, Chicago, Ill.
Traction Equipment Co. (For Street Cars), 74 Cortlandt, New York
Ward, Leonard Electric Co. (Plating, etc.), Bronxville, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Rheostats (Controlling)

WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Rheostats (Field)

WESTINGHOUSE ELECTRIC & MFG. CO., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Ribbon Cutting Machines

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

Rice Binders

Aultman, Miller & Co., Akron, O.
Deering Harvester Co., Chicago, Ill.
Warder, Bushnell & Glessner Co., Springfield, Ohio

Rice Shoes (Brewers')

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Rickerts (Hay)

(See Rakes, Sweep, Etc.)

Riddles (Foundry)

(See also Riddles & Sieves)

Berkshire Mfg. Co. ("Berkshire" Rotary), Cleveland, Ohio
Bromwell Brush & Wire Goods Co., Cincinnati, O.
Buffalo Wire Works Co., 316 Terrace, Buffalo,
Dean, Hy. E. & Co., Worcester, Mass. N. Y.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
TAYLOR & DEAN, Penn av. & 25th, Pitts-burg, Pa. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O., and 11 B'way, New York. (See adv. index & branch offices, end of book)
U. S. Chaplet & Supply Co., 140 Cedar, New York
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Riddles (Miners')

TYLER, W. S. CO., Cleveland, O., and 11 B'way, New York. (See adv. index & branch offices, end of book)

Riddles (Revolving Dumping)

Hanna Engineering Works (Motor Driven for Foundry Use, etc.), 825 Elston av., Chicago, Ill.

Riddles & Sieves

Brand, S. H. & Co. (Nickel Plate), 99 W. Mon-roe, Chicago, Ill
Bromwell Brush & Wire Goods So., Cincinnati, O.
Buffalo Wire Works Co., Buffalo, N. Y.
Colton Wire Cloth Co., Worcester, Mass.
DARBY, EDWARD & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Dufur & Co., 311 N Howard, Baltimore, Md.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Ful-ton, New York. (See adv. index, end of book)
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Ludlow-Saylor Wire Co., St. Louis, Mo.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Morss & Whyte Co., 75 Cornhill, Boston, Mass.
OSBORN MFG. CO., 5401 Hamilton av, N. E. Cleveland, O. (See adv. index, end of book)
Phoenix Wire Works, Detroit, Mich.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd., N. W., Cleveland, O. (See adv. index, end of book)
TAYLOR & DEAN, Penn av. & 25th, Pitts-burg, Pa. (See adv. index, end of book)
Tristram, Jas. J., Rockville Center, N. Y.

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TYLER, W. S. CO., Cleveland, O., and 11 B'way, New York. (See adv. index & branch offices, end of book)
Wickwire Bros. (Coal & Flour Sieves, etc.), Cortland, N. Y.
WILSON, F. CORTEZ, & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)
WRIGHT WIRE CO. (Steel, Brass, etc.), Worcester, Mass. (See adv. index & branch offices, end of book)

Ridge Roll (Corrugated)

BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end of book)
Kanneberg Roofing & Ceiling Co., Canton, O.
Thomas Steel Co., Niles, O.

*Ridgings (Globe Ventilated)

GLOBE VENTILATOR CO. (Globe Ventilated Ridging), Troy, N. Y. (See adv. index, end of book)

Riding Galleries (Steam)

(See Carousels, Organs, Etc.)

Rifles (Air)

Benjamin Air Rifle & Mfg. Co., 612 N. B'way, St. Louis, Mo.
Daisy Mfg. Co. ("Daisy" and "Sentenal"), Plymouth, Mich.
Markham Air Rifle Co., Plymouth, Mich.
Quackenbush, H. M., Herkimer, N. Y.
Smith, Wm. G. & Co. ("Columbia"), 1429 N 21st, Phila, Pa.

Rifles, Guns, Etc.

Baker Gun & Forging Co., Batavia, N. Y.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Crescent Fire Arms Co. (Single & Double Barrel Shot Guns), Norwich, Conn.
Davenport, W. H. Fire Arms Co., Norwich, Conn.
Davis, N. R. & Sons (Hammerless Guns, etc.), Assonet, Mass.
Fyreberg, Andrew & Sons, Hopkinton, Mass.
Hamilton, C. J. & Son Mfg. Co. (22 Powder Guns), Plymouth, Mich.
Harrington & Richards Arms Co. (Guns & Pistols), Worcester, Mass.
Hopkins & Allen Arms Co. (Revolvers, Rifles & Shot Guns), Norwich, Conn.
Hunter Arms Co. (Hammerless & Hammer Breech Loading Guns), Fulton, N. Y.
Ithaca Gun Co. (Hammer & Hammerless Guns), Ithaca, N. Y.
Johnson's, Iver Arms & Cycle Co. (Single Shot Guns & Revolvers, etc.), Fitchburg, Mass., & 99 Chambers, New York
Lefever Arms Co. (Automatic Hammerless Guns), Syracuse, N. Y.
Marlin Fire Arms Co. (Repeating Rifles & Shot Guns), New Haven, Conn.
Parker Bros. (Shot Guns), Meriden, Conn.
Remington Arms Co., Ilion, N. Y.
Savage Arms Co., Utica, N. Y.
Shattuck, C. S. (Hammerless Guns, etc.), Hatfield, Mass.
Smith, Otis A. (Revolvers), Rockfall, Conn.
Smith & Wesson (Revolvers), Springfield, Mass
Stevens, J. Arms & Tool Co. (Rifles, Pistols, Shot Guns, etc.), Chicopee Falls, Mass.
Three Barrel Gun Co., Moundsville, W. Va.
Union Fire Arms Co., Toledo, O.
United States Rapid Fire Gun & Power Co. (Navy & Fortification Guns, with Ammunition for Same), Derby, Conn.
Winchester Repeating Arms Co., New Haven, Conn.

*Rigging (Yacht)

TUCKER & CARTER ROPE CO., 76 South & 167 Maiden la, New York. (See adv. index, end of book)

Rims (Automobile)

American Tube & Stamping Co. (Cylinder, etc.), Bridgeport, Conn.
American Wood Rim Co. (Wood), Bradford, Pa.
Bryant Steel Wheel & Rim Co. (Steel), Columbus, O.
G. & J. Tire Co. ("G. & J."), Indianapolis, Ind.
Garford Co. (Steel), Elyria, O.
Globe Machine & Stamping Co. (Steel), 97 Hamilton, Cleveland, O.
Hagerstown Spoke & Bending Co. (Wood), Hagerstown, Ind.
Harburg Tire Co. ("Harburg"), 232 W. 58th, New York
Jamesville Mfg. Co. (Steel), Jamesville, N. Y.
K. & C. Mfg. Co. (Wood), Henniker, N. H.
Midgley Mfg. Co., Dublin av, Columbus, Ohio
Rastalter, Louis & Son (Wood), Fort Wayne, Ind.
Republic Rubber Co. (Detachable), Youngstown, O.
Smith, A. O. Company (Steel), Clinton, bet. Park & Virginia, Milwaukee, Wis.
Standard Welding Co. (Steel "V"), 37 Cone, Cleveland, O.
Tucker Bicycle Woodwork Co. (Wood), Sidney, Ohio
Weston Motor Co. (Steel), Pleasant, Utica,
Weston-Mott Co., Flint, Mich. N. Y.

Rims & Rings (Pan Grinder)

Railway Steel Spring Co. ("Muller" Weldless Forged & Rolled Steel), 30 Church, New York

Rims (Mirror)

National Sheet Metal Co., Peru, Ill.

Ringers (Hog)

Pratt, Wm. E. Mfg. Co. ("Perfect"), 91 Lake, Chicago, Ill.
Stearns, E. C. & Co., Syracuse, N. Y.

*Rings (Aerial Telephone & Telegraph Wire Distributing)

STAR EXPANSION BOLT CO., 147 Cedar, New York. (See adv. index & branch offices, end of book)

Rings (Band)

Grabler Mfg. Co., Cleveland, O.

Rings (Beetle)

Oliver Iron & Steel Co., Pittsburg, Pa.

Rings (Boiler Bracket)

Desper, H. A., Worcester, Mass.

*Rings (Box)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Rings (Brass)

American Ring Co., Waterbury, Conn.
Grammes, L. F., & Sons (Plain & Screw), Allentown, Pa.
Hendryx, Andrew B. Co., New Haven, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

*Rings (Bridle)

DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)

*Rings (Chalk & Mason)

TURNER & STANTON CO., Norwich, Conn. (See adv. index, end of book)

Rings (Clinch)

Falls Mfg. Co., San Francisco, Cal.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hazel Atlas Glass Co., Wheeling, W. Va.
Rhode Island Tool Co., Providence, R. I.
Wilcox, Crittenden & Co., (Wrought & Malleable), Middletown, Conn.

Rings (Electric Lamp Socket)

Goodrich B. F. Co. (Rubber), Akron, O.
PENNSYLVANIA RUBBER CO. (Rubber), Jeanette, Pa. (See adv. index, end of book)

Rings (Fruit Jar)

(See Rubbers, Fruit Jar)

Rings (Furnace Casing)

XXth Century Heating & Ventilating Co., Akron
Walworth Run Foundry Co. (Steel), Cleveland, O.

Rings (Grommet)

Wilcox Crittenden & Co. (Malleable Iron Galvanized), Middletown, Conn

Rings (Harness, Etc.)

(See also Hardware Manufacturers, Saddlery)
Hobbs Mfg. Co., Worcester, Mass.
Randolph, Wm. C. (Bone, Ivory, etc.), Arch, Phila.

Rings (Hinge)

Grabler Mfg. Co. (Extension, etc.), Cleveland

Rings (Hitching)

Brewer Bros. (Wrought, Screw, Drill or Lag etc.), 614 Filbert, Phila.
Hamblin & Russell Mfg. Co., Worcester, Mass
Vaughn & Bushnell ("V" & "B" Steel), 9 W Carroll av, Chicago
Wire Goods Co. (Wrought), Worcester, Mass

Rings (Hog & Bull)

Chambers, Bering & Quinlan Co., Decatur
Decker Mfg. Co., Keokuk, Ia.
Heesen Bros. & Co., Tecumseh, Mich.
Humason & Beckley Mfg. Co. (Ring & Punches), New Britain, Conn
Kohler, F. E. & Co., Canton, O.
Morgan Spring Co., Worcester, Mass.
Pratt, Wm. E. Mfg. Co. ("Hill," "Brown," "Major" & "Wolverine"), 91 Lake, Chicago
St. Louis Screw Co. (Rings, Hog), 609 Clarence, St. Louis
Smith, F. P. & Co. ("Hills," "Blair," Copper & Galvanized, Cast & Malleable Iron), Sharon Hill
Smith, Seymour & Son (Bull Only), Cairo

Rings (Key)

Arcade Mfg. Co. ("De Vore" Double), Port Jervis
Billings & Spencer Co. ("Billing's"), Hartford, Conn
Browne & Dowd Mfg. Co. ("Reliable" Pump Clasp, "Joker"), Meriden, Conn
Coe Mfg. Co. (Steel Ball Key Rings), 50 Warren, New York
Morden Mfg. Corporation ("Morden Perfect"), Waterbury, Conn
NIAGARA FALLS METAL STAMPING Works ("Flexible," "Split Steel"), Niagara Falls, N. Y. (See adv. index)
Snow & Petrelli Mfg. Co., 698 Chapel, New Haven, Conn

Rings (Marble Polishing)

Royden Marble Machinery Co. ("Emery Polish Rings), 1 Madison av, New York

Rings (Net)

Meisselbach, A. F. & Bro. (Fishing), Newark, N. J.

Rings (Open)

Brewer Bros. (Wrought), 614 Filbert, Phila

Rings (Pole)

American Iron & Steel Mfg. Co., Lebanon
Boston Bolt Co., Boston, Mass.
Hubbard & Co., Murtland bldg, Pittsburg
Lang, M. & Sons, 101 S 29th, Pittsburg, Pa
New England Bolt & Steel Co., Everett, Mass
Oliver Iron & Steel Co., Pittsburg, Pa.
Piqua Handle & Mfg. Co. (Wood Curtain Pole, etc.), Piqua
Strieby & Foote Co., Newark, N. J.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Rings (Rubber)

(See also Rubber Manufacturers, Mechanical)
B. & R. Rubber Co. (Fruit Jars), Brookfield

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BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Cincinnati Rubber Mfg. Co. (Fruit Jar, etc.), Cincinnati, O.
Continental Rubber Works (Plunger Vacuum, etc.), Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.) (For All Purposes), Detroit, Mich.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO. (For Unions, Pumps, Lubricator, Gauge Glass, Packing, etc.), Jeannette, Pa. (See adv. index, end of book)
Rubber Products Co. (Jar Rings), Barberton, Ohio
Wilkie Rubber Mfg. Co., Saugus, Mass.

Rings (Screw)

Brooks, M. S. & Sons (Brass), Chester, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Rings (Shower Bath)

Kelly, Thos. & Bros. ("Kelly"), Congress & 46th av, Chicago, Ill.

Rings (Shutter)

Brooks, M. S. & Sons., Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.

Rings (Socket)

Dickinson Mfg. Co., Springfield, Mass.

Rings (Steel)

Chrome Steel Works (Rolled Chrome Steel), Chrome, N. J.
Dunne, Geo. W. & Co. (Solid), 687 Carroll av, Chicago, Ill.
Hobbs Mfg. Co., Worcester, Mass.
Seneca Chain Co. (Wrought), Kent, O.
Sundberg, Kropp & Co. (Solid Forged), 1121 W. 21st, Chicago, Ill.

Rings (Trap Door)

Reading Hardware Co., Reading, Pa.
Stearns, E. C. & Co., Syracuse, N. Y.

Rings (Trapeze)

Wilcox, Crittenden & Co., Middletown, Conn.

Rings (Vest & Split Button)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Rings (Welded)

Grabler Mfg. Co., Cleveland, O.

Rings (Weldless)

Crucible Steel Forge Co., Cleveland, O.
Dyson, Jas. & Sons, Cleveland, O.
Hay-Budden Mfg. Co., 254 Henry, Brooklyn, N. Y.
Horsburgh Forging Co., Cleveland, O.
Railway Steel Spring Co. (Forged & Rolled Steel), 30 Church, New York
Standard Steel Works Co. (For Crushing Machinery, etc.), Harrison bldg., Phila., Pa.

Rings (Wire)

North & Judd Mfg. Co. (Steel "Anchor"), New Britain, Conn).
Parker Wire Goods Co., Worcester, Mass.
Wire Goods Co., Worcester, Mass.

Rings with Staples

Humason & Beckley Mfg. Co. (Wrought), New Britain, Conn.

Rings (Wood)

Piqua Handle & Mfg. Co., Piqua, O.

Rivet Mfrs.

(Under this Heading see Sub-classifications)
Ames, W. & Co., 312 Wash'n, Jersey City, N. J.
American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Iron & Steel Mfg. Co., Lebanon, Pa.
American Screw Co., Providence, R. I.
Atlas Tack Co., Fairhaven, Mass.
Baker & Co. (Platinum), Newark, N. J.
Berry Bros., E. 1st av & R. R., Columbus, O.
BETTCHER MFG. CO., Clark av., at C. C. C. & St. L. Ry, S W, Cleveland, O. (See adv. index, end of book)
Blake & Johnson Co. (Iron, Steel, Brass & Copper), Waterbury, Conn.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Bourne & Knowles Mfg. Co. (Hot Rivets ½ & Larger), 1231 Main, N W, Cleveland, O.
Brown, Edw. E., Winsted, Conn.
Burden Iron Co., Troy, N. Y.
Champion Rivet Co., Cleveland, O.
Clark Bros. Bolt Co., Millidale, Conn.
Cobb & Drew (Copper, Brass & Iron), Plymouth, Mass., & Rock Falls, Ill.
Coe Brass Mfg. Co., Torrington, Conn.
Columbus Bolt Works, Columbus, O.
Equipose Rivet Co. (Small), Waterbury, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Fort Pitt Forge Co., Pittsburg, Pa.
Garland Nut & Rivet Co., Bailey-Farrell bldg, Pittsburg, Pa. Works, West Pittsburg, Pa.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Greenlie, Wyatt & Co., 499 Water, New York
Hassall, Jno. (Small), 171 Lafayette, New York
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
HUNGERFORD, U. T. BRASS & COPper Co. (Mfrs. Agts.), 497 Pearl, New York
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Lanz, Mathew, & Sons, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Milwaukee Tack Co. (Small), Milwaukee, Wis.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
Newark Rivet Works, Newark, N. J.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., Everett, Mass.
Old Dominion Iron & Nail Wks. Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Philips, Townsend & Co., N 4th & Glenwood av, Philadelphia, Pa.
Pittsburg Mfg. Co., 28th & R. R., Pittsburg, Pa
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Plymouth Mills, Plymouth, Mass.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Pittsburg, Pa.
Richards, T. C. Hardware Co., Winsted, Conn.
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co. (Brass, etc.), Waterbury.
Scranton Roll & Nut Co., Scranton, Pa. Conn.
Sessions, J. H. & Son, Bristol, Conn.
Severence, S. Mfg. Co., Glassport, Pa.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Steel Car Forge Co., Pittsburg, Pa.
Stimpson, Edwin B., Co., 31 Spruce, New York
Taunton Rivet Co., Taunton, Mass.
Thomson, Judson L. Mfg. Co., Waltham, Mass.
Tower Mfg. Co., Madison, Ind.
Townsend, C. C. & E. P., New Brighton, Pa.
Townsend, G. G., Winchendon, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.
Ulster Iron Works (Inc.), Dover, N. J.
Upham, V. B. & Bro. (Aluminum, Brass, Copper, Iron, etc.), 30 Hudson av, Brooklyn, N. Y.
Upson Nut Co., Unionville, Conn., & Cleveland, O.
Waterbury Brass Co. (Brass, etc.), Waterbury, Conn.

Rivet Sets

BERNZ, OTTO (Plumbers), S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Braunsdorf-Hueller Co., Elizabeth, N. J.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Cleveland Steel Tool Co. (Compression, Hand, Lever, Pneumatic, Tinners), 1144 W. 3d, Cleveland, Ohio
Eyelet Tool Co., Boston, Mass.
Granger, David J., 25 S. Canal, Chicago, Ill.
Krauter & Co., Newark, N. J.
Lovejoy Tool Works, 86 E Ohio, Chicago, Ill.
Marchant, Geo F. ("New Process" Air Hammer), Elizabeth & Lake, Chicago, Ill
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)
Osborne, C. S. & Co. ("C. S. O. & Co." Harness Makers, etc.), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Springfield Machine Screw Co. ("Diamond"), Chicopee, Mass.
Vaughn & Bushnell Mfg. Co., 875 W. Carroll av, Chicago, Ill.

Riveters (Belting & Harness Repairing, Etc.)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.

Riveters (Hand Power)

Albree, Chester B. Iron Works Co., Pittsburg, Pa.
Chicago Pneumatic Tool Co., Fisher bldg, Chicago, Ill.
Davis Mfg. Co., Milwaukee, Wis.
Heath Foundry & Mfg. Co. ("Plymouth Rock," Automatic), Plymouth, O.
Smith, F. H. Mfg. Co. ("Pony"), 48 St. John's Ct., Chicago, Ill.
Williams, A. C., Ravenna, O.

Riveters (Pneumatic Compression)

(See Pneumatic Compressing Riveters)

Riveting Machines

(See Machinery; also Pneumatic Riveters)

Rivets (Aluminum)

Aluminum Co. of America, Pittsburg, Pa., & 99 John, New York
Blake & Johnson Co., Waterbury, Conn.
Upham, V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.

Rivets (Barrel)

Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Garland Nut & Rivet Co., Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Reading Screw Co., Norristown, Pa.
Townsend, G. G., Winchendon, Mass.

Rivets (Belt & Hose)

American Screw Co. (Rivets & Burrs), Providence, R. I.
Atlas Tack Co. (Copper), Fairhaven, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Garland Nut & Rivet Co., Pittsburg, Pa.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
HUNGERFORD, U. T. BRASS & COPper Co. (Copper), 497 Pearl, New York
National Supply Co. (Belt), Baltimore, Md.
Phillips, Townsend & Co., 4-8 Glenwood av, Phila., Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Standard Rivet Co. (& for Cloth & Other Fabrics), 41 Lincoln, Boston, Mass.
Stimpson, Edwin B. & Son, 31 Spruce, New York
Tower Mfg. Co. (Tinned & Coppered Iron, Burrs & Rivets), Commerce & Elm, Cincinnati, O., & Madison, Ind.

Rivets (Bifurcated)

Thomson, Judson L., Mfg. Co., Waltham, Mass.

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Rivets (Boiler & Tank)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Atlas Tack Co., Fairhaven, Mass.
Bassett-Presley Co. ("Crown" Steel), Western Reserve bldg, Cleveland, O.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Bourne & Knowles Mfg. Co., Cleveland, O.
Burden Iron Co. (Iron), Troy, N. Y.
Champion Rivet Co., Cleveland, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Fort Pitt Forge Co., Pittsburg, Pa.
FULLER BROS. & CO. (Mfrs'. Agts.), 139 Greenwich, New York
Garland Nut & Rivet Co., Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co., Pittsburg, Pa.
Pittsburg Mfg. Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Rockford Bolt Works, Rockford, Ill.
Severence, S., Mfg. Co., Glassport, Pa.
Steel Car Forge Co. ("Xcelsior"), Pittsburg,
Ulster Iron Works (Inc.), Dover, N. J. Pa.
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Rivets (Brass & Copper)

Atlas Tack Co. (Rivets & Burrs), Fairhaven Mass.
Blake & Johnson Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Cobb & Drew, Plymouth, Mass.
Coe Brass Mfg. Co., Torrington, Conn.
Equipoise Rivet Co., Waterbury, Conn.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Hassall, John (Small to Order Only), 171 Lafayette, New York
HUNGERFORD, U. T. BRASS & COPPER Co., 497 Pearl, New York
MERCHANT & EVANS CO. (Inc.), (Jobbers), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Newark Rivet Works, Newark, N. J.
PHOENIX SPECIALTY MFG. CO. 48 Duane, New York. (See adv. index, end of book)
Plume & Atwood Mfg. Co. (Copper Trunk, Raisers, Brass Jacket, etc.), Waterbury, Conn.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Reeves Mfg. Co., New Haven, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Russell & Erwin Mfg. Co. (Brass, etc.), New Britain, Conn., & 98 Lafayette, New York
Scoville Mfg. Co. (Brass Only), Waterbury, Conn.
Taunton Rivet Co. (Copper Rivets & Burrs), Taunton, Mass.
Townsend, C. C. & E. P., Brighton, Pa.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Upham, V. B. & Bro., c John & Hudson av, Brooklyn, N. Y.
Waterbury Brass Goods Corpn. (Brass Only), Waterbury, Conn.

Rivets (Bridge & Structural)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Bassett-Presley Co. ("Crown" Steel), Cleveland, O.
Bourne & Knowles Mfg Co., Cleveland, O.
Cambria Steel Co., Arcade bldg., Phila., Pa.
Champion Rivet Co., Cleveland, O.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
FOREST CITY STEEL & IRON CO., 110th, nr. Detroit av., Cleveland, O. (See adv. index, end of book)
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, Mathew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
New Castle Forge & Bolt Co., New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Old Dominion Iron & Nail W'ks Co., Richmond,
Oliver Iron Steel Co., Pittsburg, Pa. Va.
Pittsburg Forge & Iron Co. Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence, S. Mfg. Co., Glassport, Pa.
Townsend, C. C. & E. P., New Brighton, Pa.
Union Forge Co., Pittsburg, Pa.
Upham, V. B. & Bro. (For Ornamental Work), 30 Hudson av. Brooklyn, N. Y.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

Rivets (Car)

American Car & Foundry Co., 915 Olive, St. Louis, Mo., & 165 B'way, New York
American Iron & Steel Mfg. Co., Lebanon, Pa.
Bourne & Knowles Mfg. Co., Cleveland, O.
Columbus Bolt Works, Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., Cleveland, O.
Lanz, Mathew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Co., St. Louis, Mo.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Pittsburg, Pa.
Severence, S., Mfg. Co., Glassport, Pa.

Rivets (Coopers')

American Screw Co., Providence, R. I.
ATLAS BOLT & SCREW CO., THE, Marquette, opp. Hamilton av., N. E., Cleveland, O.
Berry Bros., E. 1st av. & R. R., Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Lamson & Sessions Co., Cleveland, O.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
Phillips, Townsend & Co., 4th & Glenwood av, Phila., Pa.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Tower Mfg. Co. (Countersunk, etc.), Commerce & Elm, Cincinnati, O., & Madison, Ind.
Waterbury Brass Goods Corporation, Waterbury, Conn.

Rivets (Draw Bar)

Illinois Bolt, Nut & Forging Co., 35th & Ashland av., Chicago, Ill.

Rivets (Galvanized)

Townsend, C. C. & E. P. Co., New Brighton, Pa.
Keystone Nail Co., Perry bldg., Pa. Pa.

Rivets (German Silver)

Blake & Johnson Co., Waterbury, Conn.
Hassall, Jno., 169 Elm, New York
Progressive Mfg. Co., Torrington, Conn.
Upham, V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.

Rivets (Hame)

American Screw Co., Providence, R. I.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Reading Screw Co., Norristown, Pa.

Rivets (Hinge)

Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.

Rivets (Norway Iron)

Falls Rivet & Machine Co., Cuyahoga Falls, O.
Hassall, John, 171 Lafayette, New York
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Newark Rivet Works (Black, Coppered & Tinned), 146 Monroe, Newark, N. J.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Pittsburg, Pa.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio

*Rivets (Ornamental Steel)

BRAUN, J. G., 323 S. Paulina, Chicago, Ill., & 537 W. 35th, New York. (See adv. index, end of book)

Rivets (Platinum)

AMERICAN PLATINUM WORKS, Chestnut st & N J R R av, Newark, N. J. (See adv. index, end of book)
Baker Co., Newark, N. J.
CROSELMIRE & ACKOR CO. (For Spark Coils), 42 Walnut, Newark, N. J. (See adv. index, end of book)

*Rivets (Platinum - Iridium)

CROSELMIRE & ACKOR CO. (For Spark Coils), 42 Walnut, Newark, N. J. (See adv. index, end of book)

Rivets (Pronged)

Standard Rivet Co. (For Fastening Leather, Cloth, etc.), 41 Lincoln, Boston, Mass.

Rivets (Ship)

(See Rivets, Boiler & Tank)

Rivets (Shovel)

Berry Bros., Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, Ohio
Garland Nut & Rivet Co., Pittsburg, Pa.
Reading Screw Co., Norristown, Pa.

Rivets (Stove)

Berry Bros., E. 1st av. & R. R., Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Lamson & Sessions Co., Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.

Rivets (Tinners')

American Screw Co., Providence, R. I.
ATLAS BOLT & SCREW CO., THE, Marquette, opp. Hamilton av., N. E., Cleveland, O.
Atlas Tack Co., Fairhaven, Mass.
BETTCHER MFG. CO., Clark av., at C. C. & St. L. Ry., S. W., Cleveland, O. (See adv. index, end of book)
Central Stamping Co., 174 Fulton, New York
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland Nut & Rivet Co., Pittsburg, Pa.
Grand Crossing Tack Co., S Chicago av. & 79th, Chicago, Ill.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Lamson & Sessions Co., Cleveland, O.
MERCHANT & EVANS CO. (Inc.), (Black & Tin), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
National Supply Co., Baltimore, Md.
Phillips, Townsend & Co., Phila., Pa.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Taunton Rivet Co., Taunton, Mass.
Tower Mfg. Co., Cincinnati, O.
Townsend, C. C. & E. P., New Brighton, Pa.
Upham, V. B. & Bro., 30 Hudson av., Brooklyn, N. Y.
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Rivets (Tire)

BETTCHER MFG. CO., Clark av., at C. C. & St. L. Ry., S W. Cleveland, O. (See adv. index, end of book)
Columbus Bolt Works, Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Lamson & Sessions Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburg, Pa.
Skelly, Thos. P. & Co., N 24th & Callowhill Phila., Pa.

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Rivets (Tubular)

Thomson, Judson L., Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., Boston, Mass.

Rivets (Wagon Box)

Oliver Iron & Steel Co., Pittsburg, Pa.

Rivets (Wire)

Falls Rivet & Machine Co., Cuyahoga Falls, O.
Reading Screw Co., Norristown, Pa.

Rivets & Burrs (Brass & Copper)

(See Rivets, Brass & Copper)

*Road Building Equipment (New & Second-Hand)

MARYLAND EQUIPMENT & SUPPLY CO., Calvert & Fayette, Baltimore, Md., (See adv. index, end of book)

Road Levelers

Acme Road Machinery Co., Frankfort, N. Y.
American Harrow Co., Detroit, Mich.
American Road Machine Co., Kennett Square, Pa.
Austin Mfg. Co., Manhattan bldg., Chicago, & Harvey, Ill.
Climax Road Machine Co., Marathon, N. Y.
Hancock Iron & Steel Co. ("Harter" Road Scraper & Leveller, Findlay, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ohio Road Machinery Co. ("Ohio"), Oberlin, Ohio
Sidney Steel Scraper Co. (Tongue Scraper, Leveler & Ditcher), Sidney, O.

Road Machines & Graders

Acme Road Machinery Co. (Reversible), Frankfort, N. Y.
Adams, J. D. & Co., Indianapolis, Ind.
American Road Machine Co., Kennett square, Pa.
Anderson Bridge & Scraper Co., Anderson, Ind.
Austin Mfg. Co., 315 Dearborn, Chicago, Ill., & Harvey, Ill.
Bagley Grader Co., Tacoma, Wash.
Baker Mfg. Co. ("XXth Century" Graders), Fisher bldg., Chicago, Ill.
Buffalo Steam Roller Co., Buffalo, N. Y.
Champion Road Machine Co., Kennett Square, Pa.
Climax Road Machine Co., Marathon, N. Y.
Deere & Co. (Graders), Moline, Ill.
Edwards, C. D., Albert Lea, Minn.
Good Roads Machinery Co., Kennett Square, Pa.
Indiana Road Machine Co. ("Indiana" & "National" Reversible Road Graders), Ft. Wayne, Ind.
Kilbourne & Jacobs Mfg. Co. (Graders), Columbus, O.
Marion Steam Shovel Co., Marion, O.
Moore, Joshua, Marseilles, Ill.
Ohio Road Machinery Co. ("Ohio," Reversible "Shuart," Land Graders), Oberlin, O.
Phillip, Roesman, Stockport, N. Y.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Smith & Sons Mfg. Co., Lydia & Guinotte av, Kansas City, Mo.
Stroud, T. F., & Co. (Elevating Graders), Omaha, Neb.
Universal Road Machinery Co., 120 Liberty, New York
Western Wheeled Scraper Co., Aurora, Ill.
White City Grader Co. ("Twentieth Century" Grader), White City, Kans.
Zieg, F. B., Mfg. Co., Fredericktown, O.

Road Rollers

(See Rollers, Various Kinds)

Road Scarifiers

Longenecker, Charles & Co., 150 Nassau, New York
Strain & Sanford Co. ("Torpedo"), 18 W 34th, New York
Universal Road Machinery Co. ("Porcupine"), 120 Liberty, New York

Road Scrapers (Drag & Wheel)

Acme Road Machinery Co. (Drag & Wheel), Frankfort, N. Y.
American Road Machine Co. (Drag & Wheel), Kennett Square, Pa
American Steel Scraper Co. (Drag & Wheel), Sidney, O.
Anderson Bridge & Scraper Co. (Drag & Wheel), Anderson, Ind.
Austin Mfg. Co. (Drag & Wheel), Manhattan bldg., Chicago, & Harvey, Ill.
Champlain Agr'l Works (Drag), Champlain, N. Y.
Climax Road Machine Co. (Drag & Wheel), Marathon, N. Y.
Comstock, Geo. S. (Cast Iron Road Scoops & Scrapers), Mechanicsburg, Pa.
Donaldson Bros. (Drag), Mount Clemens, Mich.
Empire Plow Co. (Drag), Cleveland, O.
FAIRBANKS, MORSE & CO. (Drag Only), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Fresno Agricultural Works (Drag Scrapers), Fresno, Cal.
Good Roads Machinery Co. (Drag & Wheel), Kennett sq, Pa.
Gould Co. (Drag), Chicago, Ill.
Gowanda Architectural Works (Drag Only), Gowanda, N. Y.
Hancock Iron & Steel Co. ("Harter" Road Scraper & Leveler), Findlay, O.
Herschel, R. Mfg. Co., Peoria, Ill.
Holt Mfg. Co. (Drag), Stockton, Cal.
Indiana Road Machine Co. ("Indiana" & "National" Drag & Wheel), Fort Wayne,, Ind.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co. ("Boss," "Columbus," "Drag"), Columbus, O.
Lansing Wheelbarrow Co. (Drag & Wheel), Lansing, Mich.
Lehr Agricultural Co. (Drag), Fremont, O.
MARSH COMPANY ("Haslup" Round Back, Solid Pressed Drag Scraper & "Haslup" Wheeled), Old Colony bldg., Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY CO., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mechanical Mfg. Co. ("Stubbe" Wheeled), Union Stock Yards, Chicago, Ill.
SHAW, WILLIS CO. (Drag & Wheel), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
Sidney Steel Scraper Co. ("Haslup's" Drag & Wheel), Sidney, O.
Slusser-McLean Scraper Co. (Drag & Wheel), Sidney, O.
Smith & Sons Mfg. Co. ("Royal" Drag & Wheel), Kansas City, Mo.
Stewart, Frank (Drag), Washington, Iowa
Stroud, T. F. & Co., Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Universal Road Machinery Co., 120 Liberty, New York
Western Wheel Scraper Co. ("Western," "Columbian" Drag & Wheel), Aurora, Ill.
Wilder, J. K. Sons (Drag), Monroe, Mich.

Roasters (Coffee & Peanut)

(See also Coffee, Peanut & Cocoa Bean Roasting Machines)

Abele, Chris., 537 W. 50th, New York
Atsatt Bros. ("Acme"), Mattapoisett, Mass.
Automatic Coffee Machine Co., West Hoboken, N. J.
Bartholomew Co. ("Stunner," "Rival," "Ripper," "Nickel Mint" & "Boss"), Peoria, Ill.
Burns, Jabez & Sons (C.), 642 Greenwich, New York
Crandall & Godley Co. (P.), 157 Franklin, New York
Crestors & Co. (P.), Chicago, Ill.
Dunbar & Co. ("Chicago"), 687 Fulton, Chicago, Ill.
Fraser Mfg. Co. (C.), 26 Cortlandt, New York
Henneman Coffee Roaster Co., Fitchburg, Mass.
Hilbert Machine Co. (P.), Cincinnati, O.
Howes, S. Co. (C.), Silver Creek, N. Y.
Kingery Mfg. Co. (C. & P.), ("Perfection" & "Automobile" Steam Power & "Little Gem" & "Climax" Spring Power), 106 E Pearl, Cincinnati, O.
Lalley, M. ("Peerless"), 218 Elm, Cincinnati, Ohio
Lambert Food & Machine Co. (C. & P.), ("Lambert"), Marshall, Mich.
Lane Bros. Co. (C.), Poughkeepsie, N. Y.
Lee, Thos. ("Lee's Boss"), 132 W 2d, Cincinnati, O.
Long, W. Z., Springfield, O.
Mills & Bro. (P.), 1301 N 8th, Phila., Pa.
Paxton Hdw. Mfg. Co. (C.), Paxton, Ill.
Reuter-Jones Mfg. Co., 1607 S. 3d, St. Louis, Mo.
Whitman Agl. Co. (C. & P.), St. Louis, Mo.

Roasters & Baking Pans

Royal Polished Steel Roaster Co. ("New Royal" Polished Sheet Steel), Troy, O.

Robes (Carriage & Lap)

American Buffalo Robe Co. (Carriage, Plush, Lap, Automobile, Baby Carriage), Buffalo, N. Y.
Ayres, Wm. & Sons (Lap), Cumberland, from 3d to 4th, Philadelphia, Pa.
Beckman Company (Carriage, Lap, Woolen), Cleveland, O.
Bishop, J. H. Co. (Carriage, Fur), Wyandotte, Mich.
Buell Mfg. Co. (Carriage, Woolen), St. Joseph, Mo.
Chase, L. C. & Co. (Plush), Boston, Mass.
Curtis & Von Bernuth Mfg. Co. (Carriage), 88 W B'way, New York
Day, O. F. Son & Co. (Carriage), Baltimore, Md.
Goodyear Rubber Co. (Lap), 787 B'way, New York
Lane's, D. M. Sons (Carriage), Phila., Pa.
Lang Mfg. Co., Westpoint, Ga.
Newichawanick Co. (Carriages), South Berwick, Me.
North Star Woolen Mill Co. (Carriage), Minneapolis, Minn.
Peters Harness & Saddlery Co. (Lap), Newark, N. J.
Pioneer Woolen Mills (Carriage), 1020 Beaufait av., Detroit, Mich.
Pontoosuc Woolen Mfg. Co. (Carriage, Lap), Pittsfield, Mass.
Riley, Wm. B. & Co. (Carriage, Lap & Automobile), 326 Market, Phila., Pa.
Sanford Mills (Carriage, Plush, Wool), Sanford, Me.
Saxonville Mills (Carriage), Boston, Mass.
Taylor Textile Co. (Lap), 1615 Foulkrod, Frankford, Phila., Pa.
Vehicle Apron & Hood Co., Columbus, O.

Rock Crusher Parts

(See Castings, Rock Crusher)

Rock Face Steel Siding

(See Steel Brick & Rock Face Siding)

Rock Salt Mfrs.

Retsof Mining Co., 2 Rector, New York
Wadsworth Salt Co., Wadsworth, O.

Rock & Ore Crushers

Acme Road Machinery Co., Frankfort, N. Y.
ALLIS-CHALMERS CO. ("Gates"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co. ("Blake," "New Century"), Basic City, Va.
American Pulverizer Co. ("American"), St. Louis, Mo.
American Road Machine Co., Kennett Square, Pa.
Austin Mfg. Co., Manhattan bldg., Chicago, Ill.
Austin-Western Co. (Ltd.), 315 Dearborn, Chicago, Ill.
Bacon, Earle C., 26 Cortlandt, New York
Bonnot Co., Canton, O.
BRADLEY PULVERIZER CO., 92 State Boston, Mass.
Calkins Co. ("Advance" Ore), Los Angeles, Cal.
Carlin Machinery & Supply Co., Allegheny, Pa.
CARLIN'S, THOS. SONS CO., 1619 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)
Chalmers & Williams ("Kennedy" Gyratory, also "Blake," "Dodge"), Commercial National Bank bldg Chicago, Ill.
Climax Road Machine Co., Marathon, N. Y.
Coldwell-Wilcox Co. ("Brennan"), Newburgh, N. Y.
Cresson, Geo. V. Co. ("Buchanan" All Steel), Allegheny av, w of 17th, Phila., Pa.
Denver Engineering Works Co. (Ore), Blake & 30th, Denver, Col.

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Exeter Machine Works, Pittston, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Farrel Foundry & Machine Co. (Stone Breakers, etc.), Ansonia, Conn.
Hassell Iron Works Co., Colorado Springs, Colo.
Hendy Joshua Iron Works (Ore Rock), San Francisco, Cal.
Hoyt, L. E. & Co., Walton, N. Y.
Indiana Road Machine Co. ("Indiana," "National" & "Fort Wayne"), Fort Wayne, Ind.
JEFFREY MFG. CO. ("Jeffrey" Rotary, etc.), Columbus, O. (See adv. index & branch offices, end of book)
KOEHRING MACHINE CO., Milwaukee, Wis. (See adv. index, end of book)
Krom Machine Works (Ore), 170 B'way, New York. Works, Jersey City, N. J.
Lake Shore Engine Works, Marquette, Mich.
McFarlane Mfg. Co., Denver, Colo.
MARSH COMPANY ("Kennedy" Gyratory Crusher, Ball & Socket Eccentric), Old Colony bldg, Chicago, Ill., & 50 Church, New York
Martin, William R., Lancaster, Pa.
MARYLAND EQUIPMENT & SUPPLY CO. (New & Second Hand), Calvert & Fayette, Baltimore, Md.
Merralls Machinery Co. ("Merralls" Roll Rock Breaker & "Hercules" Ore & Rock Breaker), 1123 B'way, New York
Mine & Smelter Supply Co. (Ore), Denver, Colo.
Morse Bros. Machinery & Supply Co. ("Wild" Mill), Denver, Colo.
Pennsylvania Crusher Co. (Coal & Coke Crushers), Stephen Girard bldg, Phila., Pa.
Philadelphia Roll & Machine Co., S 23d & Wash'n av. Phila., Pa.
Phillips & McLaren ("Blake"), 24th & Smallman, Pittsburg, Pa.
Phoenix Iron Works, Portland, Ore.
Portage Lake Foundry & Machinery Co. (Rock Breakers Heavy, for Copper & Iron Mines, etc.), Hancock, Mich.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Power & Mining Co. ("McCully" Gyratory Crusher, also "Dodge"), Cudahy, Wis.
Raymond Bros. Impact Pulverizer Co., 143 Lafin, Chicago, Ill.
Schutz-O'Neill Co., Minneapolis, Minn.
SHAW, WILLIS CO. (New & Second Hand), 171 La Salle, Chicago, Ill. (See adv. index, end of book)
SMITH, T. L. CO., Majestic bldg., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Smith & Post Co. ("Symons," Gyratory Rock Crusher), Milwaukee, Wis.
Smith & Sons Mfg. Co. ("Royal" Rock Crusher), Kansas City, Mo.
South St. Louis Foundry, 7516 S B'way, St. Louis, Mo.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Sterritt-Thomas Foundry Co. (Stone Crushers), 32d & Smallman, Pittsburg, Pa.
STROUD, E. H. & CO. (Crusher & Pulverizers), 36 La Salle, Chicago, Ill. (See adv. index, end of book)
Sturtevant Mill Co., Clayton, c. Park, Dor., Boston, Mass.
Traylor Engineering Co. (T. E. Co. "Blake"), Allentown, Pa.
Union Iron Works Co., San Francisco, Cal.
Universal Road Machinery Co. ("Reliance" Stone Crusher), 120 Liberty, New York
Universal Stone Crusher Co. ("Universal," "Velten"), Cedar Rapids, Ia.
Walker & Elliot (Phosphate), Wilmington, Del.
Webb City & Carthage Foundry & Machine Works ("Blake" Crushers), Webb City, Mo.
West'n Wheeled Scraper Co. (Rock), Aurora, Ill.
Williams Patent Crusher & Pulverizer Co. (Quarts Rock), 2705 B'way, St. Louis, Mo.
YAGLE FOUNDRY & MACHINE CO., (Ltd.) ("Blake"), 400 32d, Pttsburg, Pa. (See adv. index, end of book)

Rods (Aluminum)

Aluminum Co. of America, Pittsburg, Pa.
Electric Smelting & Aluminum Co., Lockport, N. Y.
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Scoville Mfg. Co., Waterbury, Conn.

Rods (Anchor)

American Iron & Steel Mfg. Co., Lebanon, Pa.
AMOS, CHAS. & CO., 94 W Larned, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Graham Nut Co., W Carson, nr Point Bridge, Pittsburg, Pa.
Hubbard & Co., Pittsburg, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Klein, Mathias & Son (For Guy Wires), 87 W Van Buren, Chicago, Ill.
Lang, Mathew & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.

Rods (Awning)

Oliver Iron & Steel Co., Pittsburg, Pa.

Rods (Bessemer Coppered)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co., Youngstown, Ohio

Rods (Black Steel)

Kidd Bros. & Burgher Steel Wire Co., Allquippa, Pa.

*Rods (Brace)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Rods (Brake Lever Connecting)

American Iron & Steel Mfg Co., Lebanon, Pa.

Rods (Brass & Copper)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Bristol Brass Co. (Brass Only), Bristol, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Chicago Brass Co. (Brass Only), Kenosha, Wis
Chicago Screw Co. (High Brass Only), 39 Homan av, Chicago, Ill
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills (Also Bronze), Detroit, Mich.
French Mfg. Co. (Irregular Shapes & Solid Drawn), Waterbury, Conn
Griswold Co. (Cooper Only), Sterling, Ill.
Hendricks Bros. (Copper Only), 49 Cliff, New York
HUNGERFORD, U. T. BRASS & COPper Co. (Yellow Metal & Tobin Bronze), 407 Pearl, New York
Manhattan Brass Co., 338 E 28th, New York
MERCHANT & EVANS CO. (Inc.), (Jobbers), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
New Jersey Tube Co. (Brass Only), Harrison, N. J
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves, Paul S. & Son (Red & Yellow Brass. Do Not Make Copper Rods), 1415 Catharine, Phila., Pa
Rome Brass & Copper Co., Rome, N. Y.
Scovill Mfg. Co. (Brass Only), Waterbury Conn
Taunton-New Bedford Copper Co. (Copper, Yellow Metal), New Bedford & Taunton, Mass.
Waterbury Brass Co., Waterbury, Conn.
Waterbury Rolling Mills (Inc.), Waterbury, Conn.

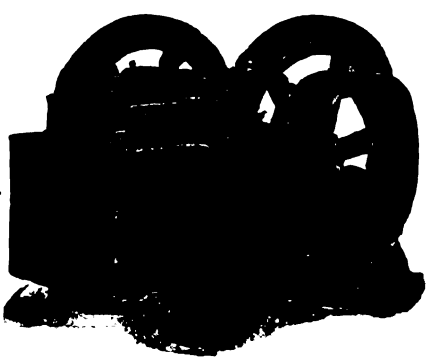
Rods (Bridge & Roof)

American Iron & Steel Mfg. Co., Lebanon, Pa.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Columbus Bolt Works, Columbus, O.
Dietrich Bros., 344 North, Baltimore, Md.
Dunne, Geo. W. & Co., 687 Carroll av, Chicago, Ill.
Frelinger, J. G., 115 W. 2nd, Cincinnati, O.
Graham Nut Co., Pittsburg, Pa.
Hedden Iron Construction Co., 22 Clinton, Newark, N. J.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
KRATZER, W. N. & CO., 3218 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Kropp, A. & Co., 52 Law av, Chicago, Ill.
Lake Erie Iron Co., Wade bldg, Cleveland, O
Lang, M. & Sons, 101 S 29th, Pittsburg Pa.
Michigan Bolt & Nut Works, Detroit, Mich
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W. Lombard, Baltimore, Md.
Neely Nut & Bolt Co., S 22d & P. & L. R. R. Pittsburg, Pa
New Castle Forge & Bolt Co., New Castle, Pa
New England Bolt & Steel Co., Everett, Mass

"THE BLAKE" ROCK AND ORE CRUSHER

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IRON CASTINGS | SPECIAL FITTINGS FOR WATER PIPE



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Repair Parts furnished for Eccentric Pattern Crushers formerly manufactured by the Robinson-Rea Mfg. Co. ASK FOR CRUSHER PAMPHLET and PRICES

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Old Dominion Iron & Nail Works Co., Richmond, Va.
Parkhurst Bros. & Co., Indianapolis, Ind.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works, San Francisco, Cal.
Pittsburg Forge & Iron Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Preble, Edward, 103 Summer, E. B., **Boston, Mass.**
Republic Iron & Steel Co., Pittsburg, Pa.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.
Wendt, Albert, 456 E 2d, Cincinnati, O.
Wichita Mfg. Co., Wichita, Kan.
WORDEN-ALLEN CO., P. O. Box 528, Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Rods (Bridle)

DIAMOND EXPANSION BOLT CO., 90 West, New York. (See adv. index & branch offices, end of book)

Rods (Camber)

American Iron & Steel Mfg. Co., Lebanon, Pa.

Rods (Chair)

Lamson & Sessions Co. (Gimlet Point), **Cleveland, O.**
National Screw & Tack Co., Cleveland, O.
Reed & Prince Mfg. Co. (Wood Screw Point, Flat Head), Worcester, Mass.

Rods (Conduit Wiring & Cleaning)

Bissell, F. Co. ("Security"), Toledo, O.
Cope, T. J., 1445 Westmoreland av, Phila., Pa.
DIAMOND EXPANSION BOLT CO. ("Empire"), 90 West, New York. (See adv. index & branch offices, end of book)
Driggs, C. V., New York
Meckel, Fred L., 77 E 13th, Chicago, Ill.
Mullin, Coleman J. Co. ("Mandrel"), 432 Kent av, Brooklyn, N. Y.
Nagel, W. G. Electric Co. ("Ready"), Toledo, Ohio
Stevens Mfg. Co., Woodbury, N. J.

Rods (Connecting)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Bethlehem Steel Co., South Bethlehem, Pa.
Boston Forge Co., 340 Maverick, E. B., Boston, Mass.
Cambria Steel Co., Arcade bldg., Phila., Pa.
Carnegie Steel Company, Pittsburg, Pa.
Chester Steel Casting Co., 407 Sansom, Philadelphia, Pa., & Chester, Pa.
Crucible Steel Co. of America, Frick bldg, Pittsburg, Pa.
Dunne, Geo. W. & Co., 687 Carroll av, Chicago, Ill.
Electric Welding Products Co., Cleveland, O.
Erie Forge Co. (Forged), Erie, Pa.
Graham Nut Co., 755 Rebecca, Allegheny, Pa.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keystone Drop Forge Works, Chester, Pa
Midvale Steel Co., Nicetown, Phila., Pa.
National Bolt & Nut Co., Pittsburg, Pa.
Otis Steel Co., Cleveland, O.
PAGE-STORMS DROP FORGE CO. (Drop Forged), Chicopee, Mass. (See adv. index, end of book)
Pettibone, Mulliken & Co., 204 Dearborn, Chicago, Ill.
Pittsburg Mfg. Co., 28th & R. R., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Reading Iron Co., Reading, Pa.
Richmond Forgings Corporation (Drop Forged), Belle Isle, Richmond, Va.
Standard Connecting Rod Co., Beaver Falls, Pa.
Sundberg, Kropp & Co., 1121 W. 21st, Chicago, Ill.
Tioga Steel & Iron Co., 52d & Gray's av, Philadelphia, Pa.
Titusville Forge Co., Titusville, Pa.
Transue & Williams Co. (Drop Forged), Alliance, O.
Union Drop Forge Co. (Drop Forged), Chicago, Ill.

Rods (Coppered Bessemer)

Pittsburg Shafting Co. of Detroit, Detroit, Mich.

Rods (Curtain)

Barrett, Chas. R. Co. ("Barrett" Flexible), 32 Union sq., New York
Linton, W. H., Co. (Brass, Steel & Plateu Extension), Ogdensburg, N. Y.
Ludlow-Saylor Wire Co., St. Louis, Mo.
Ossawan Mills Co., Norwich, Conn.
Parker Wire Goods Co., Worcester, Mass.
Pullman Mfg. Co. (Coil Spring), Rochester, N. Y.
Spencer Wire Co., Worcester, Mass.
Standard Developement Co. ("Barrett" Flexible), 52 State, Chicago, Ill.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wire Goods Co., Worcester, Mass.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Rods (Dock)

Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Kropp, A. & Co., 52 Law av, Chicago, Ill.
National Bolt & Nut Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Rods (Drill)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Crucible Steel Co. of America (Polished, Scoured & Lime-Finished Steel), Frick bldg., Pittsburg, Pa.
Damascus Tool Steel Co., Pittsburg, Pa.
FRASSE, PETER A. & CO. (Also High Speed), 180 Worth, New York. (See adv. index & branch offices, end of book)
Globe Wire Co.(Polished), Sharpsburg, Pa.
Halcomb Steel Co. (Crucible Steel), Syracuse, N. Y.
Kidd Bros. & Burgher Steel Wire Co. (Polished, Square & Special), Aliquippa, Pa.
Logan Iron & Steel Co. (Iron), Burnham, Pa.
National Tube Co. ("Shelby" Seamless Steel Tubing), Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Pittsburg Shafting Co. of Detroit, Detroit, Mich.
Pittsburg Tool & Wire Co. ("Monaca," "Champion"), Monaca, Pa.
Washburn Wire Co., Phillipsdale, R. I., & 118th & E. R., New York

Rods (End Measuring)

Brown & Sharpe Co., Providence, R. I.

Rods (Extension Sash Curtain)

Linton, W. H. Co. (Brass & Steel), Ogdensburg, N. Y.

Rods (Eye)

American Iron & Steel Mfg. Co., Lebanon, Pa.
ANDERSON FORGE & MACHINE Co., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., Baltimore, Md.
New Castle Forge & Bolt Co., New Castle, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.

Rods (Fibre)

(See Fibre, Hard)

Rods (Fishing)

Horton Mfg. Co. ("Bristol," "Rainbow," Luckie" Steel), Bristol, Conn.
Martin Automatic Fish Reel Co., Mohawk, N. Y.
Montague City Rod Co., Montague City, Mass.
New Century Rod & Bait Co. ("New Century" Telescope Casting Rod, etc.), Holland, Mich.
Standard Fishing Rod Co. ("Grover Cleveland" Fly & Bait Rod, Split Bamboo, Calcutta, Lancewood, etc.), West Brookfield, Mass.
Union Hardware Co. (Steel), Torrington, Conn.

Rods (German Silver)

Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves, Paul S., & Son, 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Waterbury Brass Co., Waterbury, Conn.

Rods (Glass)

(See Tubing, Glass)

Rods (Gun Cleaning)

(See Tools, Gun Cleaning & Reloading)

Rods (Gun Screw)

Independent Steel & Wire Co., Pittsburg, Pa.

Rods (Guy)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Lanz, M., & Sons, Carson & 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt & Nut Co., Pittsburg, Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Rods (Hard Fibre)

(See Fibre Manufacturers, Hard)

Rods (Hollow Drill)

Seamless Tube Co. of America (Seamless Cold Drawn Steel), Pittsburg, Pa.

Rods (Manganese Bronze)

American Manganese Bronze Co., **99 John, New York**
Reeves, Paul S., & Son (Rolled), **1415 Catharine, Phila, Pa.**

Rods (Measuring)

Aloe, A. S. Co., 513 Olive, St. Louis, Mo.
Brown & Sharpe Mfg. Co., Providence, R. I.
Keuffel & Esser Co., 127 Fulton, New York
Pratt & Whitney Co., Hartford, Conn.
Scott, Olin (U. S. Standard), Bennington, Vt.
SOLTMANN.E.G (Also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Rods (Phosphor Bronze)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Phosphor Bronze Smelting Co., 2204 Washington, av, Philadelphia, Pa.
Reeves, Paul S. & Sons (Rolled), 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

Rods (Piston)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bethlehem Steel Co., South Bethlehem, Pa.
Boston Forge Co. (Steel), 340 Maverick, E. B., Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Cambria Steel Co. (Cold Drawn), Arcade bldg, Phila., Pa.
Carnegie Steel Company, Pittsburg, Pa.
Carbon Steel Co., Pittsburg, Pa.
Columbia Steel & Shafting Co., Pittsburg, Pa.
Crucible Steel Co. of America, Frick bldg. Pittsburg, Pa.

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Helmbacher Forge & Rolling Mill Co., Wainwright bldg, St. Louis, Mo.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Pittsburg, Pa.
Midvale Steel Co., Nicetown, Phila., Pa.
Phosphor Bronze Smelting Co. (Ltd.), 2200 Washington av, Phila., Pa.
Reading Iron Co., Reading, Pa.
Reeves, Paul S., & Son (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phosphor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Pittsburg, Pa.
Standard Steel Works, Harrison bldg., Phila, Pa.
Sullivan Engineering Co. ("Sullivan" Self-Centering), Poughkeepsie, N. Y.
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.
Tioga Steel & Iron Co., 52d & Gray's av, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Union Drawn Steel Co. (Cold Rolled Steel & Iron), Beaver Falls, Pa., & 460 Washington, New York

Rods (Platinum)

(See Platinum, Sheet & Wire)

Rods (Pump)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Brightman Mfg. Co. (Galvanized), Shelby, O.
Columbia Steel & Shafting Co., Pittsburg, Pa.
Finished Steel Co. (Polished Steel), Youngstown, O.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Reeves, Paul S., & Son (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phoephor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Pittsburg, Pa.
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.
Union Drawn Steel Co. (Cold Rolled Steel & Iron), Beaver Falls, Pa., & 460 Washington, New York

*Rods (Rake)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Rods (Ram)

Washburn Wire Co., Phillipsdale, R. I., & 118th & E. R., New York

Rods (Resistance)

DIXON, JOS. CRUCIBLE CO. ("Dixon's Graphite"), Jersey City, N. J. (See adv. index & branch offices, end of book)
Wirt, Chas. & Co. ("Di-el-ite"), 4901 Stenton av, Gtn., Phila., Pa.

Rods (Roller Bearing)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Kidd Bros. & Burgher Steel Wire Co., Aliquippa, Pa.
Union Drawn Steel Co. (Cold Drawn High Carbon Steel), Beaver Falls, Pa., & 460 Washington, New York
Washburn Wire Co., Phillipsdale, R. I., & 118 E. R., New York

Rods (Rubber)

(See Rubber Rods & Sheets)

Rods (Sash Curtain)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wire Goods Co. (Adjustable), Worcester, Mass.

Rods (Screw)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Cambria Steel Co. (Cold Drawn & Cold Rolled, etc.), Arcade bldg., Phila., Pa.
Finished Steel Co. (Polished Steel), Youngstown, O.
Kidd Bros. & Burgher Steel Wire Co. (Polished), Aliquippa, Pa.
Reading Screw Co., Norristown, Pa.

Rods (Side)

Carbon Steel Co., Pittsburg, Pa.
Helmbacher Forge & Rolling Mill Co., St. Louis, Mo.
Standard Steel Works, Harrison bldg, Phila., Pa.

Rods (Stair)

Carter Stair Rod Co., Altoona, Pa.
Gould's M. Son & Co. (Brass & Bronze), 83 Reade, N. Y., & 61 Hamilton, Newark, N. J.
Newark Stair Rod Mfg. Co., Newark, N. J.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Walker, D. Mfg. Co., Newark, N. J.

Rods (Stove)

Adams Company (Slotted Heads), Dubuque, Ia.
American Screw Co., Providence, R. I.
ATLAS BOLT & SCREW CO., THE, Marquette, opp. Hamilton av, N E, Cleveland, O.
Berry Bros. (and Seat), Columbus, O.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Fanner Mfg. Co., Cleveland, O.
Kirk-Latty Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Screw & Tack Co., Cleveland, O.
National Surety Co., Baltimore, Md.
Ohio Nut & Bolt Co., Berea, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Troy Nickel Works, Albany, N. Y.
Upson Nut Co., Unionville, Conn.
Washburn Wire Co., Phillipsdale, R. I., & 118th & E. R., New York

Rods (Sucker)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book
Chapman Sucker Rod Co., Washington, Pa.
Coss & Stinebaugh, Lima, O.
Columbus Sucker Rod Co. (Wood, for Oil & Water Wells), Columbus, Ohio
Dresser & Boothe, Bradford, Pa.
Findlay Sucker Rod Co., Findlay, O.
Kile, S. & W. L., Mansfield, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Shannon & Wilson, Corry, Pa.
Weinman Machine Works (Wood), Columbus, Ohio

Rods (Tedder)

(See Rods, Rake)

Rods (Tie)

American Equipment Co., Norristown, Pa.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Ames, W. & Co., Jersey City, N. J.
CHAMPION IRON CO. (Beam), Kenton, O. (See adv. index, end of book)
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mulvey, Chas., Mfg. Co., 1331 35th, Chicago.
National Bolt & Nut Co., Pittsburg, Pa. Ill.
National Supply Co., Baltimore, Md.
New Castle Forge & Bolt Co., New Castle, Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penna. Iron Co., Lancaster, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Solid Steel Tool & Forge Co., Brackenridge, Pa.
Steel Car Forge Co. (Upset or Plain Threaded) Frick bldg, Pittsburg, Pa. Works: Ellwood City, Pa.

Rods (Truss)

(See Rods, Bridge & Roof)

Rods (Upset)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Continental Bolt & Iron Works, 234 & Ohio, Chicago, Ill.
Fort Pitt Forge Co., Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Illinois Bolt, Nut & Forging Co., 35th & Ashland av, Chicago.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt & Nut Co., Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle.
Old Dominion Iron & Nail Works Co., Richmond, Va.
O'Leary, Arthur J. & Sons Co., 128 W Lake, Chicago.
Oliver Iron & Steel Co., Pittsburg, Pa.
PITTSBURGH RIVET CO., 35th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.

Rods (Ventilator Controlling)

Peters, Jas. & Son, 1934 N Front, Phila., Pa.

*Rods (Vulcanized Fibre)

(See also Fibre, Hard)

AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. (See adv. index)

Rods (Watch Screw)

Kidd Bros. & Burgher Steel Wire Co. (Polished), Aliquippa, Pa.

Rods (Wire)

AMERICAN STEEL & WIRE CO., (Of Open Hearth & Bessemer Steel) Commercial Nat'l Bank bldg., Chicago (See adv. index & branch offices, end of book)
Ashland Steel Co. (Bessemer Steel), Ashland, Ky.
Atlanta Steel Co. (Open Hearth Steel), Atlanta, Ga.
Carpenter Steel Co., Reading, Pa. (also at Detroit, Mich.)
Colorado Fuel & Iron Co., Denver, Colo.
Crucible Steel Co. of America (Crucible Steel also in Coils), Pittsburg, Pa.
Damascus Tool Steel Co., Pittsburg, Pa.
Grand Crossing Tack Co. (Bessemer & Open Hearth), S. Chicago av & 79th, Chicago.
Griswold Co. (Steel & Iron), Sterling, Ill.
Illinois Steel Co., Commercial Bank bldg, Chicago.
Independent Steel & Wire Co., Pittsburg, Pa.
Kidd Bros. & Burgher Steel Wire Co. (Piano Steel Rods), Aliquippa, Pa.
Kokomo Steel & Wire Co. (Small), Kokomo, Ind.
McCoy & Linn Iron Co. (Soft Charcoal), Millersburg, Ky.
Page Woven Wire Fence Co., Monessen, Pa.
Pittsburg Steel Co., Pittsburg, Pa.
Roebling's, Jno. A. Sons Co. (Of New Jersey), Trenton, N. J.
Southern Steel Co., Birmingham, Ala.
TRENTON IRON CO. (Also Wire Rope), Trenton, N. J., & 30 Church, New York, (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros., Cortland, N. Y.
Youngstown Sheet & Tube Co., Youngstown, O.

Rods (Wood Saw)

Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.

Rods (Zinc)

Edes Mfg. Co., Plymouth, Mass.
Lanyon Zinc Co., Iola, Kans.
MERCHANT & EVANS CO., (For Battery & Other Purposes), 517 Arch, Phila., Pa. (See adv. index & offices, end of book)

Rods & Rams (Steel Hammer)

Bethlehem Steel Co., South Bethlehem, Pa.
Tioga Steel & Iron Co., 52d & Gray's, Phila.

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Roll Bars & Bed Plates (Paper Mill Engine)

American Knife Co., Baldwinsville, N. Y.
Hankey, A., & Co., Rochdale, Mass., & 1213 Race, Phila., Pa.
Simonds Mfg. Co., Fitchburg, Mass.

Roll Grinding & Corrugating

Acme Mill Works, Greensboro, N. C.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Am. Metallic Packing Co., Lexington, Ky.
Barnard-Sypher Machinery Co., Spokane, Wash.
Barnard & Leas Mfg. Co., Moline, Ill.
Barry-Wehmiller Machine Co., St. Louis, Mo.
Bollinger Bros., 133 1st av. Pittsburg, Pa.
Capitol Iron Works, Topeka, Kans.
Harrisburg Roll Grinding & Corrugating Co., Harrisburg, Pa.
Jackson Flour Mills Machinery Mfg. Co., Jackson, Mich.
Nashville Machine Co., Nashville, Tenn.
Portland Iron Works, Portland, Ore.
Rochester Roll Grinding & Corrugating Co., 218 Mill, Rochester, N. Y.
Salem Foundry & Machine Works, Salem, Va.
Silver Bros. Iron Works Co., Salt Lake City, Utah
Starr, B. F. Co., 445 North, Baltimore, Md.
Straub Machinery Co., 1956 W 6th, Cincinnati, O.
Strong-Scott Mfg. Co., Minneapolis, Minn.

Roller Coasters

Ingersoll Construction Co., Pittsburg, Pa.

*Roller Skate Parts

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Roller & Pulverizer Combined

Brooks & Stuckwisch, Indianapolis, Ind.
Bucher & Gibbs Plow Co., Canton, O.
Buffalo Steam Roller Co., Buffalo, N. Y.
Fulton Machine Co. ("The Cyclone"), Canal Dover, O.
Macgowan & Finigan, St. Louis, Mo.
Ohio Cultivator Co. (Sizes 6, 7½, 9, 12 ft.), Bellevue, O.
Peterson Mfg. Co., Kent, O.

Rollers (Barn Door)

Arnold Co., Norwalk, Conn.
Feney, S. & Son, Manlius, N. Y.
Griffin Mfg. Co., Erie, Pa.
Myers, F. E., & Bro., Ashland, O.
National Mfg. Co. (Stay), Sterling, Ill.
New England Butt Co., Providence, R. I.
Wrightsville Hardware Co., Wrightsville, Pa.

Rollers (Barn Door, Stay)

Myers, F. E., & Bro., Ashland, O.
National Mfg. Co., Sterling, Ill.
Richards Mfg. Co., Aurora, Ill.

Rollers (Cable)

(For Pulling in Cables)

Kelly, T. J., 1445 Westmoreland av, Phila., Pa.
Matthews, N. W. & Bro. ("Callahan"), St. Louis, Mo.

Rollers (Concrete)

Buffalo Steam Roller Co., Buffalo, N. Y.
Foos Bros. Foundry Co. ("Gem" Hand Rollers for Cement Sidewalks), Dayton, O.
INSOME CONCRETE MACHINERY Co., Dunellen, N. J. (See adv. index & branch offices, end of book)

Rollers (Copper Printing)

(See Textile Machinery, Etc.)

Rollers (Drawer, Ball Bearing)

Knipe Steel Mfg. Co. ("Knipe"), The Bourse, Phila., Pa.

Rollers (Electric Cable)

Matthews, W. N. & Bro. (Malleable Iron, for Putting Up Heavy Cables), St. Louis, Mo.

Rollers (Flue)

(See Expanders, Tube)

Rollers (House Movers')

Temple Pump Co., 15 W. 15th pl, Chicago, Ill.

Rollers (Incline)

Gustafson Mfg. Co., Chattanooga, Tenn.

Rollers (Land & Field)

Allen, E. R., Corning, N. Y.
Almy, Samuel & Son, Trumansburg, N. Y.
American Bell & Foundry Co., Northville, Mich.
American Road Machine Co., Kennett Square, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Arnold's, W. G. Son, Iona, Mich.
Avery, B. F. & Sons, Louisville, Ky.
Barley, Thos. K., Sedalia, Mo.
Bauch, Freak (Cast Iron), Alliance, O.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bradley, David Mfg. Co., Bradley, Ill.
Brennan & Co., Louisville, Ky.
Brooks & Stuckwisch, Indianapolis, Ind.
Bucher & Gibbs Plow Co. (Steel, T-Bar, Tubular, Clod Crushers & Pulverizers), Canton, O.
Buch's, A. Sons, Elizabethtown, Pa.
Buffalo Steam Roller Co., Buffalo, N. Y.
Burr, H. M. Co., Champlain, Ill.
Clipper Plow Co., Defiance, O.
Comstock, Geo. S. (Steel & Wood, Double), Mechanicsburg, Pa.
Cooley Bros. (Miller Steel), Richmond, Mich.
Daverkosen, H., Janesville, Wis.
Davis Mfg. Co., Flushing, Mich.
Deats, Hiram, Jr., Pittstown, N. J.
Deuscher, H. P. Co., Hamilton, O.
Donaldson Bros. (Iron & Wooden), Mount Clemens, Mich.
Drusdieker Foundry & Mfg. Co. (Clod Crushers & Pulverizers), Pekin, Ill.
Dunham, J. W. & Son (Steel Frame Pulveriser), Berea, O.
Eddy, W. Plow Co., Greenwich, N. Y.
Everets & Co., Meridian, N. Y.
Fulton Machine Co., Canal Fulton, O.
Gale Mfg. Co. (Steel or Wood Frame), Albion, Mich.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y.
Greencastle Mfg. Co., Greencastle, Pa.
Greenville Implement Co., Greenville, Mich.
Harder Mfg. Co., Cobleskill, N. Y.
Harrison, W. R. & Co., Massillon, O.
Hazen, W. S. & Marshall, Ripon, Wis.
Hench & Dromgold Co., York, Pa.
Howland Mfg. Co., Pontiac, Mich.
I. C. I. Co. (Combined Harrow & Roller), Annville, Pa.
Ionia Wagon Co., Ionia, Mich.
Keystone Farm Machine Co. (Steel or Oak Drum), York, Pa.
Lean, Roderick Mfg. Co. (Steel Land & Corn).
Lee, R. E., Almont, Mich. Mansfield, O.
Lehr Agricultural Co. (Steel Shell), Fremont, Ohio
Little, O. J., Deckertown, N. J.
Lovejoy, H. H. & Son, Cambridge, N. Y.
Macgowan & Finigan, St. Louis, Mo.
Martinsburg Foundry Co., Martinsburg, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Monitor Mfg. Co., Minneapolis, Minn.
Munnsville Plow Co. (Steel or Wood), Munnsville, N. Y.
New York Agricultural Co., 51 Cliff, New York & Boonton, N. J.
Ohio Cultivator Co., Bellevue, O.
Ohio Rake Co., Dayton, O.
Osborne, D. M. & Co., Auburn, N. Y.
Patten & Stafford Co., Canastota, N. Y.
Peek, S. H., E. Aurora, N. Y.
Peterson Mfg. Co., Kent, O.
Ripson, Wm. & Son, Youngstown, N. Y.
Rock Island Plow Co., Rock Island, Ill.
Schoepflin, Chas., Gardenville, N. Y.
Sellers, Edw., Oak Hall Station, Pa.
Sheer Engine Co., Lincoln, Ill.
Sherwin, E. C. & Son, Brandon, Wis.
Standard Harrow Co., Utica, N. Y.
Sweet, Geo. Mfg. Co., Danville, N. Y.
Stewart, A. T. Co., Carnegie, Pa.
Tait, F. B. Mfg. Co., Decatur, Ill.
Tanner, D. F., Holland, N. Y.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Thornburgh Mfg. Co., Bowling Green, O.
Toledo Plow Co., Toledo, O.
Turner, Geo. O. P., Churchville, N. Y.
Van Buren, S. C., Carey, O.
Watkins Chilled Plow Co., Watkins, N. Y.
Weaver Mfg. Co., New Oxford, Pa.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman Agricultural Works Co., St. Louis, Mo.
Wilder-Strong Implement Co., Monroe, Mich.
Willbaum Bros., Brookville, O.
Williams Bros., Ithaca, N. Y.
Woodhouse, J. S., 191 Water, New York
Yorks, W. R., Honeoye Falls, N. Y.

(Rollers (Lawn Mower)

Piqua Handle & Mfg. Co. (Wooden), Piqua, O.

Rollers (Lawn & Garden)

Allen, E. R., Corning, N. Y.
American Road Machine Co., Kennet Square, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass
Bausman, D. H., Bausman, Pa.
Bradley, David Mfg. Co., Bradley, Ill.
Brennan & Co., Louisville, Ky.
Buch's, A. Sons Co. ("Keystone"), Elizabethtown, Pa.
Buffalo Steam Roller Co., Buffalo, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Dunham, J. W. & Son, Berea, O.
Eddy, W. Plow Co., Greenwich, N. Y.
Foster, C. A. Novelty Co., Elkhart, Ind.
Gowanda Agricultural Works, Gowanda, N. Y.
Johnston & Field Mfg. Co., Racine, Wis.
Kelly-Springfield Road Roller Co. (Steam), Springfield, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Messinger Mfg. Co., Tatamy, Pa.
Mott, J. L. Iron Works, 118 5th av, New York
Palmer, O. F., Utica, N. Y.
Patten & Stafford Co., Canastota, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Supplee Hardware Co., 303 Market, Phila., Pa.
Thornburgh Mfg. Co., Bowling Green, O.
Van Dorn Iron Works Co., Cleveland, O.
Westervelt, A. B. & W. T., 102 Chambers, New York
Whitehurst, R. W. & Co., Norfolk, Va.
Whitman Agricultural Works Co., St. Louis, Mo.
Wilder-Strong Implement Co., Monroe, Mich.

Rollers (Paper Hangers')

Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Webster & Perks Tool Co. ("Simplex"), Springfield, O.

Rollers (Paper Machine)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Peerless Rubber Co., 16 Warren, New York
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Boston, Mass.
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Rollers (Pipe)

Grabler Mfg. Co. (Cast Iron, also Roller Hangers & Bolts, etc.), Cleveland, O.

Rollers (Plate Glass)

Stortz, John, & Son, 210 Vine, Phila., Pa.

Rollers (Pudding)

Universal Road Machinery Co. ("Universal" for Reservoir & Embankment Work), 120 Liberty, New York

Rollers (Reversible Road)

Buffalo Steam Roller Co., Buffalo, N. Y.
Climax Road Machine Co., Marathon, N. Y.
Enterprise Mfg. Co., Columbiana, O.

Rollers (Road, Horse Power)

Acme Road Machinery Co., Frankfort, N. Y.
American Harrow Co., Detroit, Mich.

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American Road Machine Co., Kennett Square, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Austin Mfg. Co., Manhattan bldg, Chicago, Ill., & Harvey, Ill.
Buffalo Steam Roller Co., Buffalo, N. Y.
Climax Road Machine Co., Marathon, N. Y.
Enterprise Mfg. Co., Columbiana, O.
Grand Rapids Bridge Co. ("Economy"), Comstock Park, Mich.
Indiana Road Machine Co. ("Indiana"), Fort Wayne, Ind.
MARYLAND EQUIPMENT & SUPPLY CO., (New & Second Hand), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pope, Richard C., 510 Pine, St. Louis, Mo.
Universal Road Machinery Co. (Plain & Reversible), 120 Liberty, New York

Rollers (Rubber Covered)

BOSTON BELTING CO. ("Forsyth"), 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Cleveland Rubber Works, Cleveland, O.
Continental Rubber Works, Erie, Pa.
Empire Rubber Mfg. Co., Trenton, N. J.
Goodrich, B. F., Co., Akron, O.
Gutta Percha & Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
N. J. Car Spring & Rubber Co., Jersey City, N. J.
Peerless Rubber Mfg. Co., 16 Warren, New York
Plymouth Rubber Co., Stoughton, Mass.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Boston, Mass.
Wilkie Rubber Mfg. Co., Saugus, Mass.

Rollers (Shade)

American Extensive Shade Roller Mfg. Co., Kewanee, Ill.
Columbia Shade Cloth Co., 27 W. 24th, New York
Cowles, C. & Co. (Inc.), (Carriage, etc.), New Haven, Conn.
Edwards, O. M. Co. (Car, Window, etc.), Syracuse, N. Y.
Hartshorn-Stewart Co., Newark, N. J.
Haviland Shade Roller Co., 407 Broome, New York
Judd, H. L. Co., 87 Chambers, New York
Keystone Shade Roller Co., Saginaw, Mich.
Metal Finishing Co., Union City, Conn.
Minette Shade Cloth Co. (Spring), Oswego, N. Y.
Quaker Shade Roller Co., Saginaw, Mich.
Vermont Shade Roller Co., Burlington, Vt.
Wemple, Jay C., Co., 35 E. 20th, New York

Rollers (Steam Asphalt)

Buffalo Steam Roller Co., Buffalo, N. Y.
Iroquois Iron Works ("Iroquois"), Buffalo, N. Y.
Kelly-Springfield Road Roller Co., Springfield, Ohio
Universal Road Machinery Co., 120 Liberty, New York

Rollers (Steam Golf Course)

Buffalo Steam Roller Co., Buffalo, N. Y.
Iroquois Iron Works, Buffalo, N. Y.
Kelly-Springfield Road Roller Co., Springfield, Ohio

Rollers (Steam Road)

Acme Road Machinery Co., Frankfort, N. Y.
Austin-Western Co., Ltd. (Motor Driven, Gasoline or Alcohol), Chicago, Ill.
Buffalo Steam Roller Co. ("Buffalo-Pitts"), Buffalo, N. Y.
CARLIN'S, THOS. SONS CO. (New & Second Hand), 1610 River av, North Side, Pittsburg, Pa. (See adv. index, end of book)
Case, J. I. Threshing Machine Co., Racine, Wis.
Erie Machine Shops, Erie, Pa.
Iroquois Iron Works, Buffalo, N. Y.
Kelly-Springfield Road Roller Co., Springfield, Ohio
Longenecker, Chas. & Co., 150 Nassau, New York

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Interstate Iron & Steel Co. (Iron & High Carbon & Soft Steel Bars, Agricultural Implement Steel, Angles, Channels, Tees, Reinforcing Steel Bars, etc.), 1st Nat. Bank bldg. Works: East Chicago, Ind., & Cambridge, O.
Phoenix Horse Shoe Co. (Bar Iron & Horse Shoes): Mills, Joliet, Ill., & Poughkeepsie, N. Y.
Pullman Co. (Product all Consumed by the Company)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
Sellers Mfg. Co. (Splice Bars, Tie Plates, etc.), 27 W Chicago av
Simonds Mfg. Co. (Crucible Saw Plates & Sheets, all Consumed by the Company, 16th & Western av. Main Office: Fitchburg, Mass.
Western Steel Car & Foundry Co. (Merchant Bars), Old Colony bldg.; Works, Anniston, Ala.

CHICAGO HEIGHTS—Calumet Steel Co. (See Chicago, Ill.)
Columbia Tool Steel Co. (Crucible Tool & Machinery Steel)
Inland Steel Co. (See Chicago)

EAST ST. LOUIS—Republic Iron & Steel Co. (See Pittsburg, Pa.)
St. Louis Steam Forge & Iron Works (Bar Iron & Forgings, etc.)

EVANSTON—Mark Mfg. Co. (Wrought Iron Pipe Boiler Tubes, etc.)

GRANITE CITY—National Enameling & Stamping Co.(See New York)

JOLIET—American, McKenna Process Co. (See Milwaukee, Wis.)
Illinois Steel Co. (See Chicago, Ill.)
Joliet Iron Products Co. (Round & Square Bar Iron, Flats, Angles & Shapes)
Phoenix Horse Shoe Co. (See Chicago, Ill.)

KEWANEE—National Tube Co. (See Pittsburg, Pa.)

MOLINE—Republic Iron & Steel Co. (See Pittsburg, Pa.)

ROCKFORD—Pioneer Steel Co. (Soft Center Steel)

STERLING—Dillon Co. (Steel Wire, Rods & Nails)

WAUKEGAN—American Steel & Wire Co. (See Chicago)

INDIANA.

ANDERSON—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
American Steel & Wire Co. (See Chicago)

ATLANTA—Atlanta Tin Plate & Sheet Mill Co. (See Indianapolis)

EAST CHICAGO—Interstate Iron & Steel Co. (See Chicago, Ill.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)

ELWOOD—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)

GARY—Indiana Steel Co. (See Chicago, Ill.)

GAS CITY—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)

INDIANA HARBOR—Inland Steel Co. (See Chicago)
Ward-Dickey Steel Co. (Open Hearth Planished Sheet Steel)

INDIANAPOLIS—Atlanta Tin Plate & Sheet Mill Co. (Sheets & Black Plates for Tinning)

KOKOMO—Kokomo Steel & Wire Co. (Steel Wire, Rods & Nails, etc.)

LINTON—Linton Rolling Mill Co. (Steel Rails 12 to 40 lbs., Splices & Track Spikes)

MUNCIE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)

NEW ALBANY—Ohio Falls Iron Co. (Merchants' Bar & Staybolt Iron)

NEW CASTLE—Indiana Rolling Mill Co. (High Carbon Sheet Steel)

TERRE HAUTE—Highland Iron & Steel Co. (Merchants' Bar Iron & Steel)

VINCENNES—National Rolling Mill Co. (Scrap Bar & Finished Iron & Steel Bar)

KENTUCKY.

ASHLAND—Ashland Steel Co. (Bessemer Steel Billets & Slabs, Wire Rods, Sheet & Tin Plate Bars, etc.)
Job Iron & Steel Co. (Black & Galvanized Sheet Iron & Steel, Bar Iron & Sheet & Tin Plate Bars)
Norton Iron Works, Inc. (Cut & Wire Nails, Wire & Wire Rods, Nail Plates)

COVINGTON—Licking Rolling Co. (Bar Iron, Sheet Iron, Shafting, etc.)

LOUISVILLE—Ewald Iron Co: (Charcoal Boiler, Fire Box, Flange & Sheet Iron & Bloom Bar)

NEWPORT—Andrews Steel Co. (Open Hearth Billets, Slabs, Ingots, Sheet & Tin Plate Bars)
Newport Rolling Mill Co. (Black & Galvanized Sheet Steel)

MARYLAND.

BALTIMORE—Canton Iron & Steel Co. (Muck Bar & Merchant Bar Iron)

CANTON—Canton Iron & Steel Co. (See Baltimore, Md.)

CUMBERLAND—Cumberland Steel Co. (Cold Rolled Steel, Polished Steel Shafting, etc.)
Maryland Rail Co. (Renewed Light Steel Rails)
Taylor, N. & G. Co. (See Phila., Pa.)

SPARROWS POINT—Maryland Steel Co. (See Phila., Pa.)

MASSACHUSETTS.

BOSTON—Ames Shovel & Tool Co. (Shovel Plate & Blanks, all consumed by the Company). Mills, Beaver Falls, Pa., & Elwood, Ind.
Sylvester Co. (Merchant Bar Iron, Spikes, Bolts, Tie Rods), 70 Kilby
Tremont Nail Co. (Percha Steel, Ingots, Slabs, Nail & Tack Plates & Nails & Spikes). (See West Wareham, Mass.)

HOLYOKE—Prentiss, G. W. & Co. (Wire, etc.)

SPENCER—Spencer Wire Co. (See Worcester.

WEST WAREHAM—Tremont Nail Co. (See Boston, Mass.)

WORCESTER—AMERICAN STEEL & Wire Co. (Washburn & Moen Branch). See Chicago. (See adv. index, end of book)
COES, LORING & CO. (Inc.) (Hot Rolled & Welded Materials for Knives, Dies, etc.). (See adv. index, end of book)
Morgan Spring Co. (Wire for all Purposes & Wire Nails, etc.)
Spencer Wire Co. (Iron & Bessemer Steel Wire of All Kinds; Fine Steel Wire a Specialty)
WRIGHT WIRE CO. (Annealed, Bright, Coppered, Tinned & Galvanized Wire) (See adv. index, end of book)

MICHIGAN.

ADRIAN—Page Woven Wire Fence Co. (See Monessen, Pa.)

DETROIT—American Car & Foundry Co. (See St. Louis, Mo.)
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Tubes)
Railway Steel Spring Co. (See New York)

KALAMAZOO—Harrow Spring Co. (Milled Steel Bars & Spring Steel, etc.)

MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc.)

ST. LOUIS—American Car & Foundry Co. (Bar Iron, etc.), 915 Olive
Granite Iron Rolling Mills (Owners, National Enameling & Stamping Co.), 3400 N 2nd. (See New York)
Helmbacher Forge & Rolling Mill Co. (Merchants' Bar Iron & Band, Rod & Guide Iron)
Hirsch Rolling Mill Co. (Bar Iron & Steel, Angles, Shapes, Spikes, Bolts, Light-Rails, etc.)
Western Forge Co. (Bar Iron & Forgings), 520 Olive

NEW JERSEY.

BOONTON—Boonton Iron & Steel Co. (Bar Iron & Angles)

CHROME—Chrome Steel Works (Steel Plates, Angles & Bars, etc.)

DOVER—Ulster Iron Works (Merchant Bar & Staybolt Iron)

ELIZABETH—Singer Sewing Machine Co. (Product Rounds, Flats, etc., all Consumed by the Company)

HIGH BRIDGE—Taylor Iron & Steel Co. (Muck Bar for Car & Locomotive Axles, Shafts, etc.)

JERSEY CITY—Ames, W. & Co. (Bar Iron, Bolts, Tie Rods, Spikes, etc.)
Crucible Steel Co. of America (Spalding & Jennings, Branch). (See Pittsburg, Pa.)

KINKORA—Roebling's, Jno. A. Sons Co. (See Trenton, N. J.)

NEWARK—Heller Bros. Co. (High Speed Tool Steel)

PERTH AMBOY—Pardee, C. Works (Open Hearth Steel Billets, Blooms, Merchant Bars & Cold Rolled Shafting, etc.)

PHILLIPSBURG—American Horse Shoe Co. (High Grade Horse Shoes, etc.)

ROCKAWAY—Rockaway Rolling Mills (Bar Iron & Steel, also Double Refined Bar Iron)

TRENTON—Roebling, Jno. A. Sons Co. (Steel & Copper Wire & Steel Wire Rods & Nails, etc.)
Trenton Iron Co. (Iron & Steel Wire of all kinds, Wire Rope, Bar Iron, etc.)

NEW YORK.

AUBURN—International Harvester Co. of America (Agricultural Implement Mfrs., etc.), Osborne Plant. (See Chicago, Ill.)
Tuttle, Chas. W. (Merchant Bar Iron & Horse Shoe Iron)

BUFFALO—Lackawanna Steel Co. (Steel Billets, Blooms, Rails, Beams, Anchor Bars, etc.)
New York State Steel Co. (4-in. x 4-in. Open Hearth Steel Billets, Blooms & Slabs). White bldg
Niagara Forged Steel Co. (Open Hearth Steel Billets for Forging, etc.)
Seneca Iron & Steel Co. (Black & Galvanized Sheet Steel)

COHOES—Cohoes Rolling Mill Co. (Wrought Iron Pipe & Merchant Bar Iron)

CORTLAND—Wickwire Bros. (Billets, Ingots, Wire, Nails, Rods & Staples, etc.)

DUNKIRK—Atlas Steel Co. (High Grade Crucible Steels)

ELMIRA HEIGHTS—Elmira Rolling Mill Co. (Refined Iron & Steel Bars)

LOCKPORT—Westerman & Co. (Horse Shoe Iron, Rounds, Squares, Hexagons & Fancy Shapes)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Igoe Bros. (Steel Wire & Nails), 69 Metropolitan av
Miller & Van Winkle (Cold Rolled Steel & Steel Wire), 20 Bridge
Wurster, F. W. & Co. (Inc.) (Iron & Steel Bars, Axles, etc.), 375 Kent av

Boroughs of Manhattan & Bronx.

NEW YORK—Baldwin Steel Co. (Crucible Tool Steel, Air Harding, High Speed Die Blocks, etc.), 133 Reade. Mills, Charleston, W. Va.
Duplex Metals Co. (Copper & Bronze Clad Steel), 149 B'way. Works, Chester, Pa.
Illingworth, John Steel Co. (Crucible Hammered & Rerolled Steel Bars & Sheets for Tools, Saws, Knives & Files, etc.), 25 Cliff. Mills, Phila., Pa.
Jessop Steel Co., 91 John. Mills, Washington, Pa.
Lalance & Grosjean Mfg. Co. (Black Sheets, Plates & Tin Plate, all Consumed by the Company), 299 B'way. Mills: Harrisburg, Pa.
Manhattan Rolling Mills (Inc.), (Refined Bar Iron & Horse Shoes), 362 Ave. A.
National Enameling & Stamping Co. (Mfrs. Sheet Steel for their Own Consumption), 374 B'way. Works, Granite, Ill., & St. Louis, Mo.
Philadelphia Forge Co. (Rolled Rounds, Squares, etc., Forged Oil Blocks, Shafts, etc.), 50 Church. Works, Phila., Pa.
Rail Joint Co. (Bars, Rail Joints, Tram Rails). Works, Troy, N. Y.
Railway Steel Spring Co. (Open Hearth Steel Ingots, Merchant Steel Tire & Spring Steel, etc.), 30 Church
Singer Mfg. Co., 149 B'way. Works: Elizabeth, N. J.
Washburn Wire Co. (Steel Wire, etc.), ft. E 118th. (See Providence, R. I.)

(End of New York City)

POUGHKEEPSIE—Phoenix Horse Shoe Co. (See Chicago)

ROME—Rome Merchant Iron Mills (Merchant Bar, Puddled Iron & Band, Hoop, Staybolt & Horse Shoe Iron)

SYRACUSE—Crucible Steel Co. of America (Sanderson Bros. Works, Tool Steel). (See Pittsburg, Pa.)
Eckels-Nye Steel Co. (Merchant Steel)
Halcomb Steel Co. (Crucible & High Grade Steel)

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TONAWANDA—Buffalo Steel Co. (Bessemer Steel Bars, Agricultural Steel, Angles, Channels, etc.)
TROY—Burden Iron Co. (Bar Iron, Horse Shoes, Boiler Rivets, etc.)
Rail Joint Co. (See New York)
WATERVLIET—Ludlum Steel & Spring Co. (Pure Carbon Crucible Tool Steel)

OHIO.

BELLAIRE—Carnegie Steel Co. (See Pittsburg, Pa.)
BRIDGEPORT—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
CAMBRIDGE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
AMERICAN STEEL & WIRE CO. (See Chicago.) (See adv. index, end of book)
Interstate Iron & Steel Co. (See Chicago, Ill.
CANAL DOVER—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Dover Forge & Iron Co. (Iron Forging, Billets, Charcoal Blooms, Iron Sheet Bars, Charcoal Iron Tin Plate Bars, etc)
CANTON—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
BERGER MFG. CO., THE (Sheet Iron & Steel, etc.). (See adv. index, end of book)
Carnahan Tin Plate & Sheet Co. (Tin & Terne Plate & Sheet Steel for Tinning, etc.)
Stark Rolling Mill Co. (Sheet Iron & Steel, etc.)
United Steel Co. (Skelp, Slabs, Billets, Basic Open Hearth Steel Sheet Bar & Universal Plate)
CINCINNATI—Cincinnati Horse Shoe Co. (Horse Shoes & Bar Iron). Works, Hoover, O.
CLEVELAND—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
American Steel & Wire Co. (See Chicago, Ill.)
Cleveland Hardware Co. (Manufacture for their Own Consumption)
Cleveland Steel Co. (Light Steel Plates & Sheets, etc.)
Empire Rolling Mill Co. (Iron & Steel Bar)
Lake Erie Iron Co. (Bar Iron, Bolts, Nuts, etc.)
Otis Steel Co. (Open Hearth Steel Billets, Blooms, Ingots, Bar, Plates, etc.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
Union Rolling Mill Co. (Refined Bar Iron; also Bolt, Nut, Rivet & Bridge Iron)
COLUMBUS—Carnegie Steel Co. (See Pittsburg, Pa.)
Columbus Steel Co. (Cold Rolled Steel Bars, Sheets, Strips, etc.)
Standard Chain Co. (See Pittsburg, Pa.)
CUYAHOGA FALLS—Falls-Hollow Staybolt Co. (Hollow & Solid Staybolt Bars, Staybolts, etc.)
DRESDEN—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
ELYRIA—Columbia Steel Co. (Cold Rolled Steel Bars, Sheets, Strips, etc.)
Elyria Iron & Steel Co. (High Carbon Steel, Angles, Tubing, Track Spikes, etc.)
HOOVEN—Cincinnati Horse Shoe Co. (See Cincinnati, O.)
IRONTON—Belfont Iron Works Co. (Cut & Wire Nails, Barbed, Plain & Galvanized Wire)
Kelly Nail & Iron Co. (Cut & Wire Nails, Spikes, Staples, Barbed, Plain & Galvanized Wire)
LORAIN—National Tube Co. of Ohio. (See Pittsburg, Pa.)
MANSFIELD—National Sheet Steel Co. (High Grade Open Hearth Steel & Iron Sheets)
MASSILLON—Massillon Rolling Mills Co. (Steel Sheet Plates)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
MARTINS FERRY—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Whitaker-Glessner Co. (See Wheeling, W. Va.)
MIDDLETOWN—AMERICAN ROLLING Mill Co. (Sheet Iron & Steel, Black & Galvanized, etc.)
MINGO JUNCTION—Carnegie Steel Co. (See Pittsburg, Pa.)
NEW PHILADELPHIA — American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
NILES—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Carnegie Steel Co. (See Pittsburg, Pa.)
Empire Iron & Steel Co. (Wrought Iron & Steel Sheets & Corrugated Sheets)
Thomas Steel Co. (Black & Galvanized Iron & Steel Sheet)
NORWALK—Norwalk Steel & Iron Co. (Steel Bars, Forgings & Plates, Plow, Jail & Vault & Tool Steel, etc.)
PORTSMOUTH—Portsmouth Steel Co. (See Wheeling, W. Va.)
PIQUA—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
SALEM—American Steel & Wire Co. (See Chicago, Ill.)
SHELBY—Ohio Seamless Tube Co. (Seamless Steel Tubing)
STEUBENVILLE—La Belle Iron Works (Pipe & Tube Mills, Steel Sheet Bar, Steel Skelp, Cut Nails, Spikes, Pig Iron, etc.)
Pope Tin Plate Co. (See Pittsburg, Pa.)
STRUTHERS—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
TOLEDO—Republic Iron & Steel Co. (See Pittsburg, Pa.)
WELLSVILLE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
YOUNGSTOWN—Republic Iron & Steel Co. (See Pittsburg, Pa.)
Youngstown Sheet & Tube Co. (Iron & Steel Sheet, Black & Galvanized. Wrought Iron Pipe, Wire Rods, Billets, Muck Bar, Skelp, Pig Iron, etc.)
Youngstown Iron & Steel Roofing Co. (Sheet Iron & Steel, Black & Corrugated Roofing & Siding, etc.)
ZANESVILLE—American Rolling Mill Co. (See Middletown, O.)
Mark Mfg. Co. (Wrought Iron Pipe & Boiler Tubes)

OREGON.

PORTLAND—Pacific Hardware & Steel Co. (See San Francisco, Cal.)

PENNSYLVANIA.

ALIQUIPPA—Crucible Steel Co. of America. (See Pittsburg)
Jones & Laughlin Steel Co. (See Pittsburg, Pa.)
Kidd Bros. & Burger Steel Wire Co. (Steel Wire, Polished Drill Rods, Polished Needle Wire, Black Steel Rods, etc.)
Vulcan Crucible Steel Co. (High Grade Crucible & Acid Open Hearth Steel & Forged Products, etc.)
ALLENTOWN—American Steel & Wire Co. (See Chicago, Ill.)
ALTOONA—Altoona Iron Co. (Bar, Hoop, Band & Oval, Half Oval, Round & Scroll Iron, etc.)
AMBRIDGE—American Bridge Co. (See Pittsburg, Pa.)
AUBURN—Delaware Seamless Tube Co. (Hollow Seamless Billets, Boiler Tubes, Hollow Staybolt Stock & Seamless Tubing)
AVONMORE—Alcania Co. (See Pittsburg, Pa)
BEAVER FALLS—Ames Shovel & Tool Co. (See Boston, Mass.)
Pittsburg Seamless Tube Co. (Seamless Steel Tubes & Steel Blanks for Mfg. of Steel Tubes)
Union Drawn Steel Co. (Cold Rolled Steel, Cold Drawn & Polished Steel Shafting, etc.)
BIRDSBORO—Brooke, E. & G. Iron Co. (Muck Bar, Skelp Iron & Cut Nails)
BLANDON—Blandon Rolling Mills (See Est. of Simon Seyfert, Reading, Pa.)
BRACKENRIDGE—Allegheny Steel Co. (See Pittsburg, Pa.)
Reliance Tube Co. (Ltd.). (See Pittsburg, Pa.)
BRADDOCK—American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburg, Pa.)
BRAEBURN—Braeburn Steel Co. (Crucible & Fine Open Hearth Tool Steel, Spring, Hammer & Machinery Steel & Forgings, etc.)
BRISTOL—Bristol Iron & Steel Co. (See Phila., Pa.)
BURNHAM—Logan Iron & Steel Co. (Bar & Staybolt Iron, Iron Angles, Crow Bars, Links & Pins, Drill Rods, etc.) (See Phila., Pa.)
Standard Steel Works (See Phila., Pa.)
BUTLER—Standard Steel Car Co. (See Pittsburg, Pa.)
CANONSBURG — Canonsburg Steel & Iron Works (Sheet Iron & Steel, Tin & Terne Plate, etc.)
Standard Tin Plate Co. (Tin & Terne Plate)
CARNEGIE—Damascus Tool Steel Co. (See Pittsburg, Pa.
Superior Steel Co. (See Pittsburg, Pa.)
CATASAUQUA—Bryden Horse Shoe Co. (Bar Shoes & Horse Shoe Bars
CHESTER—Duplex Metals So. (See New York)
South Chester Tube Co. (Wrought Iron Pipe
CLEARFIELD—Clearfield Steel & Iron Co. (See Pittsburg, Pa.)
COATESVILLE—Coatesville Rolling Mills Co. (Boiler Tubes
Lukens Iron & Steel Co. (Open Hearth Billets, Ingots, Slabs, Steel Boiler, Tank & Bridge Plates, Sheared & Universal Plate
Worth Bros. Co. (Steel Boiler & Tank Plate, Sheared Plates, Boiler Tubes Skelp, etc
COLONA—Colonial Steel Co. (See Pittsburg)
Pittsburg Tube Co. (See Pittsburg Pa.
COLUMBIA—Janson Steel & Iron Co. (Bar Iron & Steel
Susquehanna Iron Co. (Refined Bar Iron, Wrought Iron Pipe, Skelp & Pud Mills
CONNELLSVILLE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Sligo Iron & Steel Co. (See Pittsburg, Pa.)
CONSHOHOCKEN—Longmead Iron Co. Wrought Iron Pipe & Skelp Iron, etc.) (See Phila., Pa.)
Wood, Alan Iron & Steel Co. (See Phila., Pa.)
Wood, J. & Bros. Co. (Iron & Steel Sheets & Light Plates, Locomotive Jacket, Corrugated Bath Boiler, Gas Holder, Pickled Blue Annealed Tank & Electrical Sheet Iron & Steel, etc.)
CORAOPOLIS—Duquesne Steel Foundry Co. (See Pittsburg, Pa.)
CORRY—McINNES STEEL CO. (Hammered Crucible Tool Steel; Also Hardening & Oil Tempered Steel. See adv. index, end of book)
CRUM LYNNE—Vulcan Charcoal Iron & Steel Co. (Tin Plate Bars, Skelp Iron, Boiler Tubes & Charcoal Blooms.)
DANVILLE—Pennsylvania Brake Beam Co. (Special Shapes for Brake Beams, Deck & I Beams)
Reading Iron Co. (See Reading, Pa.)
DONORA—American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburg, Pa.)
DUQUESNE—Carnegie Steel Co. (See Pittsburg, Pa.)
ELLWOOD CITY—National Tube Co. (See Pittsburg, Pa.)
ERIE—Jessop Steel Co. (Crucible Steel Ingots, Sheets & Saw Steel)
United States Horse Shoe Co. (Billets, Iron Steel Bars for the Mfr. of Horse Shoes)
ETNA—Spang, Chalfant & Co. (See Pittsburg, Pa.)
GLASSPORT—Pittsburg Steel Co. (See Pittsburg, Pa.)
GREENVILLE—Carnegie Steel Co. (See Pittsburg, Pa.)
National Tube Co. (See Pittsburg, Pa.)
HARRISBURG—Bailey, Chas. L. & Co. (Muck Bar, Cut Nails)
Central Iron & Steel Co. (Iron & Steel Bridge, Boiler, Tank, Ship & Fire Plate)
Harrisburg Pipe & Pipe Bending Co. (Wrought Iron & Steel Pipe, Open Hearth Steel Billets, Ingots, Slabs, Shovel Plate, Sheet Bars, etc.)
Harrisburg Rolling Mill Co. (Refined Merchant Bars, Skelp)
Lalance & Grosjean Mfg. Co. (See New York)
Lucknow Iron & Steel Co. (Charcoal Blooms, all kinds of Iron & Steel Plates, Iron, Bands, Angles)
HAYS—Monongahela Iron & Steel Co. (See Pittsburg)
HAZLETON—Hazleton Sheet Steel Co. (See Phila.)
HOMESTEAD—Carnegie Steel Co. (See Pittsburg, Pa.)
HOOPERSTON—Hoopes & Townsend Co. (See Phila., Pa.)
HOPE CHURCH—(See Hays, Pa.)
HYDE PARK—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
JOHNSTOWN—Cambria Steel Co. (See Phila., Pa.)
Lorain Steel Co. (See Phila., Pa.)
KITTANNING—Kittanning Iron & Steel Co. (Muck Bar)
LANCASTER—Penn. Iron Co. (Bar Iron,

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LEBANON—American Iron & Steel Mfg. Co. (Merchant Bar Iron & Steel, Bolts, Nuts, Washers, Turnbuckles, Lag Screws, etc.)
Lebanon Valley Iron Co. (Bar Iron & Muck & Scrap Bar)
Weimer Chain & Iron Co., Mfrs. (Chains, etc.)
West End Iron Co. (Bar Iron, also Rivet, Car Link & Staybolt Iron, Bridge & Horse Shoe Rods, Chains of all kinds)
LEECHBURG—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
McKEESPORT—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Firth-Sterling Steel Co. ("Blue Chip" Fine Crucible Tool Steel) (See also Glesboro Manor, D. C.)
McKeesport Tin Plate Co. (Tin Plate & Black Plate for Tinning). Works, Port Vue, Pa.
National Tube Co. (See Pittsburg, Pa.)
McKEES ROCKS—Lockhart Iron & Steel Co. (See Pittsburg, Pa.)
MIDDLETOWN—National Tube Co. (See Pittsburg, Pa.)
MILESBURG—McCoy & Linn Iron Co. (Bar Iron, Wire, Wire Rods, Chains, etc.)
MILTON—American Car & Foundry Co. (Merchants Bar Iron) (See St. Louis, Mo.)
Godcharles, F. A. Co. (Muck Bar, Cut Nails & Spikes)
Milton Mfg. Co. (Merchant Bar Iron, Bolts, Nuts, Rivets, etc.)
MONACA—Colonial Steel Co. (See Pittsburg, Pa.)
Pittsburg Tool Steel Wire Co. (Drawn Tool Steel for Twist Drills, Taps, etc.)
MONONGAHELA—Liggett Spring & Axle Co. (Carriage & Wagon Axles & Springs)
MONESSEN—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Carnegie Steel Co. (See Pittsburg, Pa.)
Page Woven Wire Fence Co. (Open Hearth Steel Ingots, Wire, Rods, etc.)
Pittsburg Steel Co. (See Pittsburg, Pa.)
Seamless Tube Co. of America (See Pittsburg, Pa.)
NEW BRIGHTON—Townsend, C. C. & E. P. (Steel Wire, Bolts, Nuts & Nails, etc.)
NEW CASTLE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburg, Pa.)
Elliott, Blair Steel Co. (Bright Cold Rolled Strip Steel, etc.)
New Castle Forg e& Bolt Co. (Product all consumed by the Company; Mfrs. Bolts, Chains, etc.)
NEW KENSINGTON—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
NORTHUMBERLAND—Van Alen & Co. (Muck Bar Iron & Iron & Steel, Cut Nails & Spikes, etc.)
PARKESBURG—Parkesburg Iron Co. (Charcoal Boiler Tube, Iron Skelp)
PENCOYD—American Bridge Co. (Steel Beams). (See Pittsburg, Pa.; also Phila., Pa.)
PHILADELPHIA—American Bridge Co. (Steel Beams, Angles, Channels, Tees, Zees, Bar Steel, etc.). (See also Pittsburg, Pa.)
Bristol Iron & Steel Co. (Bar, Band & Scroll Iron)
Cambria Steel Co. (Steel Beams, Bars, Angles, Channels, Tees, Cold Rolled Steel, etc.), Arcade bldg.; Works, Johnstown, Pa.
Davis Bros. (Bar Iron, Angle Iron Up to 2 Inches, Spikes, etc.), **29th & Bristol**
Disston, Henry & Sons, Inc. (Tool & Sheet Steel, Cold Rolled & Cold Drawn Steel, etc.), Tacony
Gaulbert & Caskey (Merchants Bar Iron, etc.), N. American & York
Hazleton Sheet Steel Co. (Black & Galvanised Steel Sheets, Steel Corrugated Roofing Sheets), Mills, Hazleton, Pa.
Hoopes & Townsend Co. (Bar Iron & Steel Bolts, Rivets, Rods, etc.), 1330 Buttonwood; Works also at Hooperstown, Pa.
Hughes & Patterson (Bar Iron Specialties & Skelp Iron, Bands, Hoops & Rods)
Illingworth, Jno. Steel Co., Frankford. (See New York)
Ivens, Ellwood Tube Works (Seamless Drawn Steel Tubes), Oak Lane Sta.
Logan Iron & Steel Co. (Bar & Staybolt Iron, Iron Angles, Crow Bars, Links & Pins, Drill Rods, etc.) North American bldg. Works, Burnham, Pa.
Longmead Iron Co. (Wrought Iron Pipe, Muck Bar & Skelp Iron). Works, Conshohocken, Pa.
Lorain Steel Co. (Light Rails & Street Railway Track Materials), Penn. bldg Works, Johnstown, Pa.
Maryland Steel Co. (Bessemer Steel Billets, Blooms, Ingots, Rails & Plates, etc.), Girard bldg. Works, Sparrows Point, Md.
Midvale Steel Co. (Crucible & Open Hearth Steel Ingots, Bar Steel, Billets, Rods, Spring Steel, etc.). Nicetown
Penna. Steel Co. (Steel Billets, Blooms, Beams, Angles, Channels, etc., Bar Steel & Railroad Specialties, etc.) Girard bldg. Works, Steelton, Pa.
Philadelphia Forge Co., Tacony. (See New York)
Phoenix Iron Co. (Open Hearth Steel Ingots, Bars, Acid & Basic Process, Beams, Angles, Channels, Bridge Plates, etc.), 410 Walnut. Works, Phoenixville, Pa.
Standard Steel Works (Open Hearth Steel Ingots, Steel Car & Locomotive Tires, Axles, etc.), Harrison bldg. Works, Burnham, Pa.
Taylor, N. & G. Co. (Steel Sheets & Plates & Tin & Terne Plate Mfrs.), 409 Mariner & Merchant bldg. Mills, Cumberland, Md.
Wood, Alan Iron & Steel Co. (Basic Open Hearth Steel Billets, Slabs, Sheet Bars & Universal Mill Plates, Black & Galvanized Iron & Steel Sheets & Plates, Locomotive Jackets, Bath Boiler, Swede & Norway Sheets, Gas Holder, Corrugated, Pickled & Cold Rolled Sheets, Electrical Iron & Steel, Water Pipe & Light Plates), 519 Arch. Works, Conshohocken, Pa.
PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)
PITTSBURG—Alcania Co. (Tin & Terne Plate & Black Plates for Tinning). Works, Avonmore, Pa.
American Bridge Co. (Structural Steel, Billets, Blooms, Ingots, Axles, Shafting, etc.)
Allegheny Steel Co. (Open Hearth Steel Billets, Ingots, Sheet Steel, Shovel, Tack & Boiler & Tank Plate, Skelp, Sheet Bars, etc.). Works, Brackenridge, Pa.
American Sheet & Tin Plate Co. (Bessemer Open Hearth, Acid & Bastic Sheet Iron & Steel; Black, Planished, Polished, Galvanized & Corrugated, Cold Rolled Tin & Terne Plate, etc.), Frick bldg.
American Steel & Wire Co., Frick bldg. (See Chicago, Ill.)
Brown & Co. (Inc.) (Tool Steel, Refined Bar & Hammered Iron for Special Purposes), 10th & Duquesne Way
Byers, A. M. Co. (Inc.) (Wrought Iron Pipe & Iron Skelp & Muck Bar)
Carbon Steel Co. (Open Hearth Steel, Billets, Blooms, Ingots, Sheared Plates, Universal Rolled Plates, Carbon Chrome Safe Plates, Locomotive, Driving, Car Axles, General Forgings, etc.)
Carnegie Steel Co. (Steel Billets & Blooms, Rails, Beams & Structural Shapes, Armor & Boiler Plate, etc.)
Carter Iron Co. (Iron Bar, Staybolt, Roofing, Chains, Forgings, etc.), Mills: Paden City, W. Va.
Clearfield Steel & Iron Co. (Skelp, etc.)
Colonial Steel Co. (Crucible & Open Hearth Steel in Bars, Sheets, Circular Plates, etc.). Mills, Colona, Pa.
Columbia Steel & Shafting Co. (Polished Turned Steel Shafting, Forged Shafts & Cold Drawn Shapes, etc.)
Crucible Steel Co. of America (Tool Steel, Merchant Bar Steel, Boiler & Tank Plate, Cold Drawn & Polished Steel Shafting, Cold Rolled Steel & General & Nickel Steel Forgings)
Damascus Tool Steel Co. (Damascus & Nickel Steel for Tools, Dies, etc.). Works, Carnegie, Pa.
Dilworth, Porter & Co. (Tie Plates, Floor Plates & Spikes, etc.)
Duquesne Steel Foundry Co. (Rolled Steel Car Wheels). Works, Coraopolis, Pa.
Follansbee Bros. Co. (Sheet & Tin Plate Bars, Black Sheets & Plates, Tin & Tern Plate)
Hubbard & Company (Shovel, Plate Shovels, etc.)
Hussey, Binns Shovel Co. (Crucible Cast Steel Consumed in the Mfr. of Shovels)
Independent Steel & Wire Co. (Wire, Rods, Nails, etc.)
Jones & Laughlin Steel Co. (Steel Billets & Blooms, Beams, Channels, Angles, Tees, Zees, Plates, Bars, Bands, Rails up to 40 lbs., Cold Rolled Shafting & Fittings, Chain, Rivets, Spikes, Forgings, etc.)
Keystone Axle Works (Car Axles)
Linton Rolling Mill Co. (Light Rails & Spikes), Park bldg. Works, Linton, Ind.
Lockhart Iron & Steel Co. (Bar, Bands & Hoops, Angles, Channels & Tees, etc.). Works, McKees Rocks, Pa.
Monongahela Iron & Steel Co. (Bar Iron, Muck Bar, Staybolt Iron, Iron Chains, etc.). Mills, Hays, Pa.
Monongahela Tube Co. (Iron & Steel Boiler Tubes). Mills, Wilson, Pa.
National Tube Co. (Wrought Iron & Steel Pipe & Boiler Tubes, etc.)
Oliver Iron & Steel Co. (Bar Iron & Steel, Bolts, Nuts, Rivets, Forgings, etc.)
Pittsburg Forge & Iron Co. (Merchant Bar & Staybolt Iron, etc.)
Pittsburg Spring & Steel Co. (Spring Steel all consumed by the Company)
Pittsburg Steel Co. (Steel Billets, Wire, Rods & Nails, Steel Bands & Hoops, Staples, Cotton Ties, Barbed Wire, etc.)
Pittsburg Tube Co. (Bedstead Tubing). Mills, Colona, Pa.
Pope Tin Plate Co. (Black Plates or Sheets for Tinning). Works, Steubenville, O.
Refined Iron & Steel Co. (High Grade Engine, Staybolt, Chain, Bolt & Nut & Cold Rivet Iron)
Reliance Tube Co. (Steel & Charcoal Boiler Tubes, Locomotive Tubing, Line Pipe, Casing, etc.). Works, Brackenridge, Pa.
Republic Iron & Steel Co. (Bar Iron & Steel, Bolts, Screws, Railroad Spikes, Turnbuckles, Cold Rolled Steel, Angles, Channels, Tees, etc.)
Russell, J. C. Shovel Co. (Shovel Blanks, all consumed by the Company)
SCAIFE, WM. B. & SONS CO. (Iron & Steel Sheet, Black & Galvanised, Bars & Boiler Tank Plates), 221 1st av. (See adv. index, end of book)
Seamless Tube Co. (Seamless Cold Drawn Tubes). Works, Monessen, Pa.
Shenango Iron & Steel Co. (Refined Iron Bars, Muck Bar, etc.). Works, Wheatland, Pa.
Sligo Iron & Steel Co. (Flange & Tank Steel, Bessemer & O. H. Blue Annealed & Wrought Iron Plates & Sheets, Bar Iron, etc.). Works, Connellsville, Pa.
Spang, Chalfant & Co. (Inc.) (Pipe & Tube Mills). Works, Etna, Pa.
Standard Chain Co. (Bar Iron Chains of all kinds, Light Rails, etc.)
Standard Steel Car Co. (Steel Cars)
Superior Steel Co. (Hot & Cold Rolled Strip Steel). Works, Carnegie, Pa.
West Leechburg Steel Co. (Hot & Cold Rolled Strip Steel). Works, West Leechburg, Pa.
Zug Iron & Steel Co. (Ltd.) (Black & Galvanized Iron & Steel Sheets, Black Plates for Tinning, Corrugated Sheets, etc.)
PORT VUE—McKeesport Tin Plate Co. (See McKeesport, Pa.)
POTTSTOWN—Glasgow Iron Co. (Muck Bars, Boiler, Tank & Bridge Plates, Boiler Heads, Pipe Flanges, etc.)
Leesig, Geo. B. Co. (Tack, Nail & Shovel Plate & Puddle Bars, etc.)
Potts Bros. Iron Co. (Muck Bar, Boiler, Tank, Flue & Pipe Iron)
POTTSVILLE—Eastern Steel Co. (Steel Beams & Structural Shapes, Bridge Plate, etc.).
PUNXSUTAWNEY—Clark Steel Hoop Co. (Steel Hoops, etc.)
READING—American Iron & Steel Mfg. Co. (See Lebanon, Pa.)
Carpenter Steel Co. (Crucible Tool Steel, Gun, Boiler & Machinery Steel, etc.)
Reading Iron Co. (Merchant Bar Iron, Wrought Iron Pipe, Staybolt Iron, etc.)
Seyfert, Sam'l R. & Bro. (Puddled Bars, etc.)
Seyfert, Simon (Est. of) (Boiler & Tank Plate & Skelp Pipe Iron)
SALTSBURG—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
SCHUYLKILL HAVEN—Schuylkill Haven Iron & Steel Co. (Bar Iron & Steel)
SCOTTDALE—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
SCRANTON—Scranton Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc.)

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SHARON—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Carnegie Steel Co. (See Pittsburg, Pa.)
Republic Iron & Steel Co. (See Pittsburg, Pa.)
SHARON STEEL HOOP CO. (Open Hearth Steel Billets, Ingots & Bands & Hoops). (See adv. index, end of book)
Stewart Iron Co. (Muck Bar, Low Phosphorus Bars & Hammered Blooms for making Crucible & Open Hearth Steel)
Wilkes Rolling Mill Co. (Sheet Iron & Steel, Merchant Bar Iron)
SHARPSBURG—Moorhead Bros. & Co., Inc. (Bar Iron, Boiler Sheet Tank & Skelp Iron & Steel)
SLATINGTON—Slatington Rolling Mill Co. (High Grade Bar Iron, Also Staybolt, Boiler Rivet, Horse Shoe, Angle & Drop Forging Iron, etc.)
SOUTH BETHLEHEM—Bethlehem Steel Co. (Steel Billets & Blooms, Armor Plate Steel Bars, Light Rails, etc.)
STEELTON—Penna. Steel Co. (See Philadelphia, Pa.)
TITUSVILLE—Cyclops Steel Works (Crucible Tool Steel & Refined Hammered Bar Iron)
VANDERGRIFT—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
WASHINGTON—Jessop Steel Co. (See New York City)
Tyler Tube & Pipe Co. (Charcoal Skelp & Blooms & Lap Welded Boiler Tubes)
WAYNESBURG—Hubbard & Co. (See Pittsburg, Pa.)
Waynesburg Pressed Steel Co. burg, Pa.)
WEST LEECHBURG—West Leechburg Steel Co. (See Pittsburg, Pa.)
WHEATLAND—Shenango Iron & Steel Co. (See Pittsburg, Pa.
WILLIAMSPORT—Sweet's Steel Co (Merchant Bar Steel, Special Open Hearth, Steel, Crow Bars, Harrow Teeth, Steel Tire, Machinery Steel, Calking Steel, Soft Steel, etc.
Williamsport Iron & Nail Co. (Muck Bar Iron, Cut Nails, etc.)
WILSON—Monongahela Tube Co. (See Pittsburg, Pa.
WYOMING—Wyoming Shovel Works (Steel Sheets & Light Plates & Shovel Mfrs.)
YORK—Susquehanna Iron Co. (See Columbia, Pa.)

RHODE ISLAND.

PHILLIPSDALE—Washburn Wire Co. (Steel Billets, Steel Wire Rods & Nails, etc.)
PROVIDENCE—Rhode Island Perkins Horse Shoe Co. (Bars for Horse Shoes & Toe Calks)

TENNESSEE.

BRISTOL—Virginia Coal, Iron & Coke Co. (See Roanoke, Va.)
KNOXVILLE—Knoxville Iron Co. (Merchant Bar Iron, Light Angles, Channels, etc.)

VIRGINIA.

NORFOLK—Norfolk Iron Co. (Iron & Steel Hoops, Cotton Ties, Steel Rods, etc.)
RICHMOND—Old Dominion Iron & Nail Works Co. (Merchant Bar Iron, Car & Bridge Iron, Fish Plates, etc.)
Tredegar Co. (Merchant Bar, Car & Bridge Iron & Fish Plates)
ROANOKE—Virginia Iron, Coal & Coke Co. (Steel Billets & Blooms, Merchant Bar Iron, etc.)

WASHINGTON.

SEATTLE—Seattle Steel Co. (Bar Iron, Light T Rails, etc.)

WEST VIRGINIA.

BENWOOD—National Tube Co. (See Pittsburg, Pa.)
CHARLESTON—Baldwin Steel Co. (See New York City)
CHESTER—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
CLARKSBURG—Phillips Sheet & Tin Plate Co. (Black Plates for Tinning & Tin & Terne Plate & Sheet Steel)
HUNTINGTON—West Virginia Rail Co. (Light Rails)
MORGANTOWN—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
PADEN CITY—Carter Iron Co. (See Pittsburg, Pa.)
PARKERSBURG—Parkersburg Iron & Steel Co. (Sheet Iron & Steel)
WHEELING—American Sheet & Tin Plate Co. (See Pittsburg, Pa.)
Portsmouth Steel Co. (Open Hearth Steel Billets, Slabs, Ingots, Boiler, Light & Heavy Plates & Heavy). Works, Portsmouth, O.
Wheeling Corrugating Co. (Whitaker Works) (Iron & Steel Sheet)
Wheeling Steel & Iron Co. (Steel Billets & Blooms, Iron & Steel Sheets, Skelp, Muck, Bar, Nails, Spikes & Wrought Iron & Steel Pipe)
Whitaker-Glessner Co. (Sheet Iron & Steel)

WISCONSIN.

MILWAUKEE—American McKenna Process Co. (Renewed Steel Rails). Works, Joliet, Ill., Kansas City, Kans., & Tremley Point, N. J.
Illinois Steel Co. (See Chicago, Ill.)

Rolls (Adding, Cash Register)

Buchanan, Benj. E. (For all Makes of Machines, also for Time Clocks, Telephone, etc.), 4th & Commerce, Phila., Pa.

Rolls (Beam Bending)

Lewis Foundry & Machine Co., Coraopolis, Pa.

Rolls (Bending & Straightening)

Badger State Machine Co., Janesville, Wis.
Bertsch & Co. (Hand or Power for Plates, Sheets, Angles, Angle Iron, etc.), Cambridge City, Ind.
Bethlehem Foundry & Machine Co. (Combined Belt or Hand Power), Front, South Bethlehem, Pa.
Betts Machine Co., Wilmington, Del.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cincinnati Punch & Shear Co., Cincinnati, O.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Hilles & Jones Co., Wilmington, Del.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Long & Allstatter Co. (Tire Bending, etc.), Hamilton, O.
MORGAN ENGINEERING CO. (Plate Bending, etc.), Alliance, O. (See adv. index & branch offices, end of book)
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS. (Plate), Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Hand & Power Bending, Electric), Warren, Mass.
Phila. Roll & Machine Co. (Hand & Belt Power, Plate, etc.), S 23d & Wash'n av, Phila., Pa.
Pittsburg Mfg. Co., Pittsburg, Pa.
Queen City Punch & Shear Co., Cincinnati, O.
Rock River Machine Co. (Hand & Power), Janesville, Wis.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
United Engineering & Fdy. Co., Farmers' Bank bldg., Pittsburg, Pa.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.
Wickes Bros. (Plate, etc.), Saginaw, Mich.

Rolls (Blue Print)

Continental Rubber Works, Erie, Pa.
Lovell Mfg. Co. (And for Mechanical Work), Erie, Pa.

Rolls (Chilled Calender)

Bellows Falls Machine Co., Bellows Falls, Vt.
Currier, Cyrus & Son, Newark, N. J.
Emerson Mfg. Co., Lawrence, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.
Garrison, A. Fdy. Co., Pittsburg, Pa.
Holyoke Machine Co. (Chilled Iron, Paper, Cotton & Husk), Holyoke & Worcester, Mass.
Kitson Machine Co., Lowell, Mass.
Lobdell Car Wheel Co., Wilmington, Del.
Perkins, B. F. & Son (Splined Paper Calender), Holyoke, Mass.
Poole, J. Morton Co., Wilmington, Del.
Pusey & Jones Co., Wilmington, Del.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.
Watson Machine Co., Paterson, N. J.

Rolls (Copper Printing)

Rome Brass & Copper Co., Rome, N. Y.

Rolls (Crimping & Corrugating)

(See also Machinery, Sheet Metal Working)
Bertsch & Co., Cambridge City, Ind.
BLISS, E. W. & CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Keene, Geo. C. & Co., Cincinnati, O.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS. Buffalo, N. Y. (See adv. index, end of book)
Robinson, J. M. Mfg. Co., Cincinnati, O.

Rolls (Crushing)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co. ("New Century" Geared & Belt Driven), Basic City, Va.
Bonnot Company (Clay, etc.), Canton, O.
Buckeye Iron & Brass Works, Dayton, O.
Chalmers & Williams (For Gold & Silver Ore, etc.), Commercial Nat. Bank bldg., Chicago, Ill.
Colorado Iron Works Co. ("Humphreys"), Denver.
Cresson, Geo. V. Co. ("Buchanan" Plain & Corrugated), Allegheny av. W of 20th, Phila., Pa.
Davis, F. M., Iron Works Co., Denver, Colo.
Denver Engineering Works Co. (Wilson Springs), Blake & 30th, Denver, Colo.
Farrel Foundry & Machine Co., Ansonia, Conn.
Hendy, Joshua, Iron Works (Ore), San Francisco, Cal.
Hoagland's, M. Sons Co., Rockaway, N. J.
Krom Machine Works ("Krom" Crusher), 170 B'way, New York; Works: Jersey City, N. J.
McFarlane Mfg. Co., Denver, Colo.
McFarlane, Peter, & Sons Iron Works (Horizontal), Denver, Colo.
Marquette, Jno. N., 507 S Eden, Baltimore, Md.
Mine & Smelter Supply Co., Denver, Colo.
Montgomery, J. H. Machinery Co., 1220 Curtis, Denver, Colo.
Nordberg Mfg. Co., Milwaukee, Wis.
Penna. Crusher Co., Stephen Girard bldg., Phila., Pa.
Philadelphia Roll & Machine Co., S 22d & Wash'n av, Phila., Pa.
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Power & Mining Machinery Co. ("Superior" "Simplex"), Cudahy, Wis.
Scaife Foundry & Machine Co. (for Coke), Pittsburg, Pa.
South St. Louis Foundry, 7516 S B'way, St. Louis, Mo.
Stearns, Roger Mfg. Co., Denver, Colo.
Stedman's Foundry & Mach. Wks., Aurora, Ind.
Traylor Engineering Co., Allentown, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.

Rolls (Dandy)

BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
Brown & Sellers Co., Holyoke, Mass.
Buchanan & Bolt Wire Co., Holyoke, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Gleeson, Thos. E., East Newark, N. J.
Globe Wire Cloth Co., Harrison, N. J.
Smith, C. H. & Co., Holyoke, Mass.

*Rolls (Flaking)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Rolls (Forged Steel)

Birmingham Iron Foundry, Derby, Conn.
Trethewey, Samuel & Co. (Ltd.), (Harrison) 47th & Plummer, Pittsburg, Pa.

*Rolls (Forging & Tapering)

AJAX MFG. CO., 3830 Lakeside, Cleveland, O. (See adv. index, end of book)

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Rolls (Grinding)

Cresson, Geo. V., Co. (Wet & Dry), Allegheny av. W of 17th, Phila., Pa.
Nordyke & Marmon Co., Indianapolis, Ind.
Poole, J. Morton Co. (Paper Mill, etc.), Wilmington, Del.
Sandy Hill Iron & Brass Works (For Paper Mills), Sandy Hill, N. Y.

Rolls (Hand & Belt Power, Bending)

NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Whitcomb-Glaisdell Machine Tool Co., Worcester, Mass.

Rolls (Hub Band Bending & Truing)

Williams, White & Co., Moline, Ill.

Rolls (Jewelers')

Philadelphia Roll & Machine Co., S 23d & Wash'n av. Phila., Pa
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Rolls (Lap Welding)

United Engineering & Foundry Co. (Single & Double for Pipe & Tube Mills), Pittsburg, Pa.

Rolls (Leather Pressure)

Barry & Zecher Co., Lancaster, Pa.

Rolls (Lime)

Union Iron Works Co., Selma, Ala.

Rolls (Live)

ALLIS-CHALMERS CO. (Also Drives), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Southern Engine & Boiler Works (Inc.), (For Saw Mills), Jackson, Miss
Wheland Machine Works (Steel), Chattanooga, Tenn.

Rolls (Map)

Bramen, O. H., Carthage, N. Y.

Rolls (Plate Bending)

(See Rolls, Bending & Straightening)

Rolls (Ribbon Solder)

Marquette, Jno. N., 507 S Eden, Baltimore, Md.

Rolls (Rubber)

BOSTON BELTING CO. ("Forsyth"), 200 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F., Co., Akron, O.
Lovell Mfg. Co. (For Laundries, Woolen Mills Tanneries, etc.), Erie, Pa
Manhattan Rubber Mfg. Co., 18 Vesey, New York, & Passaic, N. J.
New York Belting & Packing Co. (Rubber Covered), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)
Republic Rubber Co., Youngstown, O.
Wilkie Rubber Mfg. Co., Saugus, Mass.

Rolls (Sand, Chilled & Steel)

(See also Machinery, Rolling Mill)

American Roll & Foundry Co. (Sand & Chilled Only), Canton, O.
American Sheet & Tin Plate Co., Roll & Machine Works (Sand Chilled & Semi-Steel), Canton, O.
Birmingham Iron Foundry (Sand & Chilled Only), Derby, Conn.
Black-Clawson Co., Hamilton, O.
Blake & Johnson Co. (Hardened Steel & Chilled Iron), Waterbury, Conn.
Centre Foundry & Machine Co. (Sand), Wheeling, W. Va.
Farrel Foundry & Machine Co. (Chilled & Sand), Ansonia, Conn.
Garrison, A. Foundry Co. (Chilled), 9th & Bingham, Pittsburg, Pa.
Hess Snyder Co. (Sand Only), Massillon, O.
Hyde Park Foundry & Machine Co. (Sand & Chilled), Hyde Park, Pa., & Pittsburg, Pa.
Lewis Foundry & Machine Co. (Sand & Chilled), Coraopolis, Pa.
Lobdell Car Wheel Co. (Sand & Chilled Cast Iron), Wilmington, Del.
Mackintosh, Hemphill & Co. (Steel Only), ft 12th, Pittsburg, Pa.
Massillon Foundry & Mach. Co. ("Massillon"), Massillon, O.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Phila. Roll & Machine Co., S 23d & Wash'n av, Phila., Pa.
Pittsburg Steel Foundry, Pittsburg, Pa. Works: Glassport, Pa.
Reading Iron Co., Reading, Pa.
Riverside Foundry Co., Cleveland, O.
Seaman-Sleeth Co. (Sand & Chilled Only), 41st & A. V. Ry., Pittsburg, Pa.
Townsend Furnace & Machine Shop Co. (Sand, Soft Only), Albany, N. Y.
Trethewey, Samuel & Co. (Ltd.), 47th st., nr Plummer, Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg., Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co. (Sand Chilled & Semi-Steel), Waterbury, Conn.
West Penn Foundry & Machine Co. (Sand, Chilled & Semi-Steel), Avonmore, Pa.
Wheeling Mold & Foundry Co. (Sand & Chilled), Wheeling, W. Va.
Youngstown Foundry & Machine Co. (Sand, Chilled, Semi-Steel), Youngstown, O.

*Rolls (Smoothing Armature Segments, Disks & Sheet Metal Blocks)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

NOTICE.

This book contains complete lists of the manufacturers and fabricators of every article made from iron and steel. For the particular specialty required, see Index of Contents. If an exception to the truth of this statement is found in consulting the columns of our Commercial Register, kindly advise us and we will supply the deficiency.

S. E. HENDRICKS CO.,
74 LAFAYETTE STREET,
NEW YORK, N. Y.

THE UNIVERSITY OF MICHIGAN, DISCARD.

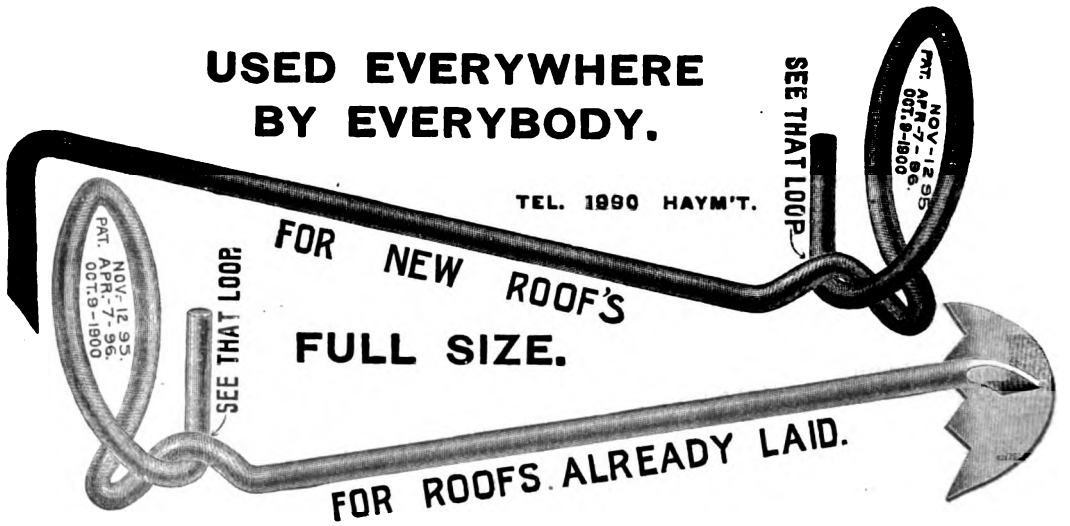
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Absolute Protection Against Snow Slides.

SAMPLE BY MAIL ON APPLICATION

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GILMAN SNOW-GUARD CO., 103 MERRIMAC ST., BOSTON, MASS.

C. H. GILMAN, Proprietor

Rolls (Typewriter)

Continental Rubber Works, Erie, Pa.
Goodrich, B. F. Co. (Rubber), Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Rolls (Wood)

Novelty Turning Co. (For Perforated Music), Norway, Me.
Tatem, J. B. & Son (Lawn Mower & Heavy), Putnam, Conn.

Rolls (Wringer)

(See Rolls, Rubber)

Roof Coatings

(See Cements, Roofing)

Roof Joint

Parker, E. L. & Co. ("Reese" Patent, Water Tight, Expanding, etc.), Baltimore, Md.

Roof Paving Compound

Powell, M. W. Co. ("Actinolite"), 204 Dearborn, Chicago, Ill.

Roof Snow Guards

CLASON ARCHITECTURAL METAL Works ("H. B." & "Clason"), 428 Kinsley av, Providence, R. I. (See adv. index, end of book)

CLASON SNOW GUARD

428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Cleveland Wire Spring Co., Cleveland, O.
Folsom Snow Guard Co., 7 Water, Boston, Mass.
Fulmer, J. H. ("Eagle," "Fulmer," "Eureka"), Nazareth, Pa.

GILMAN SNOW GUARD

103 Merrimac, Boston, Mass. (See adv. index, end of book)
Hamblin & Russell Mfg. Co. ("Brace," "Standard"), Worcester, Mass.
HUNGERFORD, U. T. BRASS & COPper Co. (The "Gilman" Copper & Galvanized Iron), 497 Pearl, New York
HUNT METAL CORNER CO. (Continuous). Westboro, Mass. (See adv. index, end of book)
Peter, F. N. & Bro. ("Never Break"), Newside, Pa.

Roofers (Plastic Slate)

Aeolian Plastic Slate Roofing Co. (Tile, Brick & Slate Paved Roofs), 163 W 23d, New York
Casmento Roofing Co., 160 W 5th av, New York
Foy, Edw. L. & Co., Baltimore, Md.
Granite Plastic, Slate & Slag Roofing Co., 882 Ryan, Baltimore, Md.
Griffin Roofing Co., 506 W 26th, New York
Laura, John & Co., 160 5th av, New York
Noble, H. & Co., Baltimore, Md.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Roofers, Tinners, Etc.

NOTE—The words in parentheses (Comp., Metal, Slate & Tile) following the names of Roofers, indicate composition, metal, slate & tile roofers. Those not indicated are tin or metal roofers.

(See also Cornices, Galvanized Iron; also Iron & Steel, Corrugated: also Roofing Materials: also Roofing & Siding, Iron & Steel; also Roofing Slate; also Roofing Tile; also Shingles, Metallic: also Roofing Felt; also Skylights; also Building & Sheathing Papers; also Roofing Paints; also Cement Roofing)

ALABAMA.

ALEXANDER CITY—Turner, T. B.
ANNISTON—Anniston Supply Co. (Slate, Metal & Gravel)
ATHENS—Le Grand, H.
BIRMINGHAM—Alabama Metal Roofing Co.
Bain, C. A.
Birmingham Paint & Roofing Co.
East Birmingham Iron Roofing & Cor. Co.
Holtam Bros.
Merrell, Lee
Spiro Hardware Co.
Wheelock, Geo. F. Co. (Slate & Metal)
BRIERFIELD—McCollum, W. W.
DECATUR—Brown, W. A. & Co. (Slate & Metal)
DEMOPOLIS—Braswell Hardware Co.
EAST BIRMINGHAM—(See Birmingham)
EUFAULA—Folsom, G. W. & Sons
Folsom, C. J. & Co.
Ross, J. L.
GREENVILLE—Dunklin, J. H. & Co.
Johnson, J. F. Hardware Co.
HUNTSVILLE—Dreger, Oscar
MOBILE—Cunningham Hardware Co.
McMillin Bros. Co.
Partridge, C. S. Hardware Co. (Metal Slate)
Phelan Bros.
Pope, John A.
Tillson, Walter
White & Benson
Wintergerst, C., 555 Dauphin
MONTGOMERY—Flood, D. F.
Hegenwald, John G.
Kennedy Co.
Kernell, Thos. M.
Pope, D. & Son
Wilson, J. B. & Co.
NEW DECATUR—Decatur Cornice & Roofing Co.
Yates, W. C. & Co. (Slate & Metal)
OPELIKA—Benton, J. F.
Galbraith, W. A.
ROANOKE—Neal, F. A.
TROY—Jolly, Mrs. A. E. & Co.
TUSCALOOSA—Robertson, J. B.
TUSCUMBIA—Halsey, W. G. & H. L.
UNION SPRINGS—Anderson, F.
UNIONTOWN—Brown & Mc[illegible]

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ARIZONA TERRITORY.

GLOBE—McNeil, J. P.
PHOENIX—Burtis, D. H.
Evans, Wm.
PRESCOTT—Brown Bros.
Kiehl, E.
TUCSON—Corbett, W. J. (Iron)
Julian, W. A. Co.
Tucson Hdw. Co.

ARKANSAS.

ARGENTA—Gerard, Joseph
BATESVILLE—Baker, G. A.
Rosenthal Hardware Co.
BRINKLEY—Rider, W.
CORNING—Bailey, C. L.
DARDANELLE—Goodier, Joe
FORREST CITY—Hodges, Sam.
FORT SMITH—Ft. Smith Cornice & Plumbing Co. (Slate, Metal & Gravel), 16 N 5th
Nicodemus & Price
HELENA—Bulow, Paul
Helena Tin & Plumbing Co.
HOPE—Halliburton, C.
McRae, K. G. Hardware Co.
HOT SPRINGS—Black, W. H. & Co.
Donnelly, E. C.
Williams, Schurder & Co.
JONESBORO—Christian Bros.
LITTLE ROCK—Foster Hardware Co., 301 Main
Haley, Neff & Co.
Ketcher & Isbburn
McCardell Bros., 522 Center
Robinson, J. K. & Co., 108 E 4th
Simmons & Mayer
MARIANNA—Plummer & Davis
MONTICELLO—McQuiston, L. D. & Co.
MORRILLTON—Kleinschmidt, Louis
Patton, John & Co.
OZARK—Maxey, J. F.
PINE BLUFF—Dellmon, John H., Jr. (Slate & Rafferty Bros. Metal)
Fox Bros. Hardware Co. (Slate & Metal)
Steck, John H.
TEXARKANA—Hoffman Hardware Co.
Wagner, Louis
WARREN—Gill, M. T.

CALIFORNIA.

ALAMEDA—Fischer, C. F. Plumbing & Furey, Frank P. Hardware Co.
ANAHEIM—Bennerscheidt, Jos.
Miller, L. E.
ANTIOCH—Christensen, N. E.
ARCATA—Arcata Hardware Co.
BERKELEY—Berkeley Cornice Works
McNamara, J. M.
Sahlman, M. F.
CHICO—Hubbell, L. L.
Newman, J. F.
CLOVERDALE—Williams, O. C.
COLUSA—Mitchell, H. & Son
Roche, Jas.
CONCORD—Pacheco, Chas. Co.
CTNA MILLS—Eller, E. J.
EUREKA—Moore & Cooke Co.
FERNDALE — Kausen & Williams Hardware
FORTUNA—Leach & Smith Co.
FRESNO—Barrett-Hicks Co.
Donahoo, Emmons & Co.
Foin, F. A. & Son
Kutner, Goldstein Co.
McHugh, M. P.
GALT—Orvis & Ritz
GEYSERVILLE—Haupt, Julius
GILROY—Chappell, G. A. & Co.
Robinson Hardware Co.
GRASS VALLEY—Clausen, C.
HALF MOON BAY—Rathbone, C. E.
HANFORD—Foster, Fred.
HAYWARDS—Brunner, H. E., B st.
Dale & Son
Linekin & Allen, Main st
HEALDSBURG—Garrett, A. W.
Gunn & Ferguson
Raabe, M.
IRVINGTON—Hirsch, O. N. & Co.
JACKSON—Garbarini Bros.
LEMORE—Moore, Robert A.
LIVERMORE—Anthony, Mrs. M. S.
Dutcher, N. D.
LODI—Henderson Bros. Co.
LOS ANGELES—Berry B. R., 2803 W. Pico
Biller, J. B., 2953 W. 10th
Bittleson, S., 715 E. Pico
Breithaupt, M., & Co., 204 S. Los Angeles
Campbell, J. A., 802 Temple
Harper & Reynolds Co., 152 N. Main
Hellman, Jas. W., 155 N. Spring
Howe Bros. (Slate & Metal), 554 S. Spring
Irish, H. A., 118 N. Daly
Keays, A. A., 415 S. Los Angeles
Kilts & Jackson, 116 E. 3d
Kirkby, Mark (Tile & Slate)
Lindenbaum, Louis, 806 S. Main
Longley, A. H., & Son, 509 S. San Pedro
Maitre, C. J. (Slate & Metal), 906 S. Main
Metzger, Theo., 1044 Byram
Panzer-Hamilton Co. (Metal, Tile, etc.), 131 Rose
Paraffine Paint Co. (Comp.), 313 N. Los Angeles
LOS GATOS—Bogart, A. W.
Lewis, O., & Sons Co.
MADERA—Barcroft, Fred.
Hoffman & Stephenson
MARYSVILLE—Hampton Hardware Co.
White, Cooley & Cutts
MONTEREY—Hanna, N. D.
NAPA—Young Hardware Co.
OAKLAND—Antone, F. A., 814 B'way
Dalziel, Robert, Jr., 418 18th
De Luchi & Shufelt, 1106 San Pablo av
Heidt, W., Cornice Works (Slate & Metal), 916 Webster
Ingram Hardware Co.
Johnson, T., 2112 San Pablo av.
Kirk, Owen C., & Co., 305 E. 12th
Mackenzie Roof Co. (Felt & Gravel)
Maxwell Hardware Co.
Murray & Co., 610 B'way
Oakland Roofing & Paint Co., 412 15th
Pierce Hardware Co.
Planer, E., 1229 San Pablo av
Randall & Dinsmore, 1216 Market
Spearman, Henry, 406 7th
Watson Roof Co. (Felt & Gravel), 427 15th
Yager Sheet Metal & Plumbing Co., 1006 7th
OROVILLE—Kelley, T. J.
Sadowski, C. F.
PASADENA—Buckius, J. J.
Dunn, W. H., 8 E Colorado
Munger & Munger
Nay, R. O. & Co.
PETALUMA—Schonings Bros.
PLACERVILLE—Alderson, Edw. L.
Meehan, M. Q.
POMONA—Wilkinson, J. W. & Son
RED BLUFF—Lyon & Garrett
REDDING—Young, James Hdw. Co.
REDLANDS—Dostal, John F.
Kline & Underwood
REDWOOD CITY—Holmquist, R. C.
RIVERSIDE—A'Fleck, J. B.
Copley Bros.
Cunniff, M. T.
Schanck, A. H.
Shiels John & Sons
SACRAMENTO—Carlaw, Edward
Jackson, E. B.
Miller & Cahill, 1116 J
Miller, Elder & Co.
Sinclair & Bessey
ST. HELENA—Steves, J. H. Hardware Co.
SALINAS—Anderson & Dougherty
Webster, J. A.
SAN BERNARDINO—Cooley, G. M. Co.
SAN DIEGO—Johnston, J. S., & Sons
Julian, C. H.
Kindler Plbg. Co., 748 6th
Schultheiss Bros. Co.
SAN FRANCISCO—Abele Sheet Metal Works, 3009 Mission
Amaler, C. S., 25 Shotwell
Appman & Brady, 446 7th
Barth Cornice Works, 121 Julian av.
Blakeway, John H., 105 Beale
California Roofing Co. (Asphaltum), 15th & Market
Cantley, James, & Co. (Asphaltum, Felt & Gravel), 1370 Green
Comyns & Nygren, 1781 15th
Conlin & Roberts (Asphalt, Slate & Metal), 410 Natoma
Cook & Co., 11 Mission
Cronan, Wm. (Slate & Metal), 19 City Hall av
Cronan's Eagle Cornice Works (Metal & Slate), 19 City Hall av
De Lano Bros., 70 Spear
Eureka Sheet Metal Works, 26 Minna
Feldman & Sommer
Fenton & Son, 15 Tehama
Ferry Sheet Metal Works, 892 Folsom
Flahaven, Stephen (Metal), 2807 23d
Ford & Malott (Asphaltum & Felt Comp.), Mariposa, & Iowa
Forderer Cornice Works (Slate & Metal), 269 Potrero av

GILMAN SNOW GUARD
103 Merrimac, Boston, Mass. (See adv. on preceding page)

Globe Sheet Metal Works, 1929 Market
Grant-Leonard Co. (Asbestos), 316 1st
Guilfoy Cornice Works (Slate), 209 8th
Hammond, Philip, 378 Dolores
Heidt, Wesley, Cornice Works (Slate & Metal), 152 1st
Hurabielle Bros., 775 B'way
Knickerbocker Roofing & Pav. Co. (Asphaltum), 48 12th
Larsen Bros., 135 Connecticut
Lawson, Jno. C., 771 Guerrero
Leiser & Co., 412 Grove
Mamlar, Nathan, 232 Perry
Morrison & Clark, 791 McAllister
Murphy, Patrick H., 187 Parker av.
Merchants Roofing Co. (Felt & Gravel), 3487 17th
Metropolitan Roofing & Pav. Co. (Asphaltum, Felt, Gravel, etc.), Chronicle bldg.

WIRE SNOW GUARDS
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MADE OF COPPER AND GALVANIZED WIRE. WRITE FOR PRICES.

The "H-B" two-piece Guard for old roofs.

ALSO VENTILATORS, SKYLIGHTS, METAL WINDOW FRAMES AND SASH, ETC. ESTIMATES FURNISHED FROM PLANS. SEND US YOUR REQUIREMENTS.



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The Clason Architectural Metal Works, - Providence, R. I.

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National Mastic Roofing Co. (Gravel & Ready), 180 Jessie
Olmo, Frank, 3462 Mission
Pacific Refining & Roofing Co. (Asphalt Comp., etc.), 16th & Mississippi
Paraffine Paint Co. (Asphalt, Felt & Comp.), Merchants' Ex. bldg
Penn, Chas. S., 66 Sanches
Pioneer Asphaltum & Art. Stone Pav. Co. (Asphaltum), 710 Montg'y
Power & Pike Co., 22 Main
Richardson & Engler, 1669 Market
Riddle Bros., 308 7th
Rulofson, A. C., Sheet Metal Works, Monadnock bldg
San Francisco Cornice Works, Brynt & Dore
San Francisco Roofing & Pav. Co. (Asphaltum), 1443 Fillmore
Shields, Thos., 571 Mission
Stalder & Hinkelbein, 1513 Polk
Standard Roofing Co. (Asphaltum, Felt & Gravel), 365 McAllister
Standard Sheet Steel Co., 1550 Bryant
Superior Roofing Co. (Asphaltum), Monadnock bldg
Taylor & Pritchard, 22 Sacramento
Union Roofing Co., 3780 Mission
United Sheet Metal Works, 575 Howard
Von Tagen & Moller, 13 Clay
Watson Roof Co. (Asphaltum, Felt, Gravel, etc.), 110 Sutter
Western Roofing Materials Co. (Felt, Gravel, etc.), 7th & Hooper
Wilson, W. H. & Co. (Asphaltum & Comp.)

SAN JOSE—Klein, F. & Son 42 Notoma
Mangrum & Otter Co. (Slate & Metal)
Stock, Jno., Sons (Slate & Metal)

SAN LEANDRO—Hoerst, E.
Reichsrath, H. L.

SAN LUIS OBISPO—Payne, E. M.
Payne, E. M.

SAN PEDRO—Dakin, H. M.

SAN RAFAEL—Conway, E. H.
Johnson, R. W.
Kelly Bros.
Kinsella, Richard

SANTA ANA—Haywood, J. S.
Hill, S. & Son
McFadden, Jno.

SANTA BARBARA—Booth, R. L.
Ott Hdw. Co.

SANTA CLARA—Dickinson, F. R.
Mensel, R. Hdw. Co.

SANTA CRUZ—Byrne Bros. (Comp. Asphalt, etc.)
Senegrini Bros.
Whitney Bros.

SANTA MARIA—Bryant & Trott Co.
Weber, R.

SANTA MONICA—Bohme, Geo. C.
Middlekauff, C. D.

SANTA ROSA—Demmer, Chas.
Haven & Hawk
Letold Co.
Morrow, E. E. & Son
Potter, J. H. & Son

STOCKTON—Gneckow, E. L.
Mills, J. T., 148 Main
Schuler, Geo. F. (Iron & Tin), Hunter st

VALLEJO—Brownlie, Robt.
Wilder, H. E.
Winchell, C. L. Hardware Co.

VENTURA—Baker, F. W.
Leach, B. A.

VISALIA—Gilbert & Son

WATSONVILLE—Friermuth, P. J. (Est. of)

COLORADO.

ALAMOSA—Spriestersbach Hardware Co.

ASPEN—Tomkins, L. H. Hardware Co.

CANON CITY—Bancroft Hardware Co.
Ellis & Hood
Harding Hardware Co.

COLORADO CITY—Roles & Sutherland

COLORADO SPRINGS—Ball Bros.
Barnes, G. S. & Son
Blake, A. S.
Heyse, Rudolph
Joyce, E. R.
Lowell-Meservey Hardware Co.
Barnes, G. S. & Son
Taylor, Chas. E.

CRIPPLE CREEK—Colorado Tin & Sheet Iron Works

DENVER—Angerman, Harry, 122 B'way
Dill, C. C. (Gravel), 1534 Champa
Dorrington, Wm. H. (Metal), 1746 Arapahoe
Fair, C. W. Cornice Works Co. (Metal & Slate), 1809 Blake
Flaherty, P. J.
Fredrum, J. W., 1421 Lawrence
Freund, Geo. & Co., 1016 18th
Globe Cornice Works (Slate & Tile), 758 B'way
Hallack & Howard Lumber Co. (Elaterite & P. & B. Products), Larimer & 7th
Hinchman-Renton Fireproofing Co. (Gravel), 1815 Arapahoe
Jones & Greathead, 1335 Welton
Kelley, James M., 1727 Stout
Kessler, Fred., 2706 Larimer
Kobel, Carl F., 1358 Larimer
Lang, H. G., 1901 Welton
McBride, Charles (Gravel) 2046 Stout
Neveu, Wm. H., 1219 Lawrence 1837 Stout
O'Brien, D., 3827 Downing av
Sabath, G. S.
Sanford's Furnace Co., 1782 Welton
Sayre-Newton Lumber Co. (Parold), 23d & Blake
Schmitt, Wm. C.
Treat, L., 1743 Glenarm
Wahlgren, Jno. A., 1933 Curtis
Walter, L. H., 1426 Blake
Weigele Riveted Steel Pipe Works, Larimer, N E c 30th
Western Elaterite Roofing Co. (Elaterite)
Young, Jno., 2245 Blake
Zint, G. W., 1754 Welton

DURANGO—Graham, F. R.

FLORENCE—Wilson, Geo. Hardware & Supply Co.

FORT COLLINS—Dierck, H. G.

GLENWOOD SPRINGS—Dougan, Wm.
Everett, E. B. & Son
Metelmann, H. C.

GREELEY—McArthur, D. R. & Co.
McCutcheon Hardware Co.

LA JUNTA — Bomgardner & O'Neil Hardware Co.
Johnson, John

LEADVILLE—Blosfeld, Charles E.
Leadville Hardware Co.
Muller, Jos.
Tompkins, H. H. Hardware Co.

MONTROSE—Lathrop, J. V.
Montrose Hardware Co.

OURAY—Arps Bros. Hardware Co.

PUEBLO—Holmes Hardware Co., 302 S Union
Killin, John M. & Co., 206 S Main av
Pueblo Plumber Co., 402 Santa Fe av

SILVER CLIFF—Woodside, Wm.

TRINIDAD—Brown, H. B. Hardware Co.

CONNECTICUT.

ANSONIA—Gaffney, Wm.
Tercy, T. P. & Son, 80 Main
Webb, John T.

BERLIN—Damon, H. H.

BRANFORD—Edgquest, A. R.

BRIDGEPORT—Beitner, Geo. L., 609 State
Bertilson, Berger, Morehouse
Beutelspacher, Henry (Metal), 235 Middle
Birmingham, John, 273 State
Booth, F. & F. C., Co., 230 Middle
Brady, Thomas T., 359 Benham av
Bridgeport Cornice Works, 227 John
Bullard, W. S. (Gravel, etc.), 636 Water
Burns & Co. (Asphalt, etc.), 83 Fairfield av
Clapp, W. A. (Slate Comp. & Gravel), 33 P. O. Arcade
Curtis, Nathan B., 358 Stratford av.
Donning, D. Alex., 173 Stratford av.
Dougherty, Andrew J., 137 Kossuth
DROUVE, G. CO., 40 Tulip. (See adv. index, end of book)
Eames, C. S., & Co., 246 Middle
Farmers' Supply & Roofing Co. (Tar, Asbestos & Iron), 256 Middle
Gould, H. C. & Co. (Gravel, Slate & Felt), 304 West av
Green, M. A. & Co., 1328 Main
Hurley, James J., 606 E Main
Kinder, Fred W., 126 Austin
Kirk, Wm. P. Co., 360 Fairfield av
Lord & Roberts, 20 Crescent av.
Lynch, Geo., & Co. (Tin), 56 Golden Hill
McLevy, Geo., & Sons Co. (Slate), 117 Housatonic av
Manwaring, M. W., 855 E. Main
Middlebrook & Goulden, 40 Court
Mills, L. H. (Iron & Metal), 32 Middle
Murphy, John F. (Metal), 53 Union sq
Nonpariel Roofing & Covering Co. (Gravel, Felt & Slag), 37 E Washington av
Reilly, J., Jr., 283 State
Roc, Robert T., 103 South av
Scanlon, John J., 1772 Main
Schreiber, Chris., 220 Evergreen
Schwing, John, Corpn. (Iron & Metal), 863 Wood av
Silliman & Godfrey Co. (Gravel), 1119 Broad
Taylor, H. O., 654 Fairfield av
Wakeman, S. B., Co., 261 Clinton av.
Wheeler, Cook & Co., 119 State

BRISTOL—Roberts & Arnold
White, J. M.

COLCHESTER—Avery, F. T.

COLLINSVILLE—Bidwell, D. W. & Co.

DANBURY—Benjamin, F. C. & Co. (Gravel & Tar)
Danbury Hardware Co.
Duane & Culhane, 10 Keeler
Hoyt, H. W. Co.
Hull, F. A. & Son
Scofield, Theo.

DANIELSON—Keach, E. H. & Co.

DARIEN—Lounsbury, C. W.

DEEP RIVER—Cochrane, A. B.

DERBY—Dickgiesser, Chas. J. & Co.
Kelly, D. H.
Kelly, T. F.
Munson, W. H. (Slate)
Peck, E. W. & Co.
Shelton Tin & Plbg Co.

EAST BERLIN—Bowers, E. W.

EAST HARTFORD—Hills, C. M.

ESSEX—Bowen, Wm.

FAIRFIELD—(See Southport)

FARMINGTON—Parker, Arthur J.
Sneath, Frank H. & Son
Swanston, Frederick P.

GREENWICH—Allen, David K. (Slate & Metal)
Peck, E. S. (Gravel & Tin)
Talbot, Francis J. (Slate)

GROTON—Hempstead, G. R.

HARTFORD—Aitkin, T. P., & Son, 57 Market
Behmer, F. Edw., 1116 Main
Beseman & Bostwick, 44 Ann
Bliss, Edward
Bull, N. B., & Son, 257 Asylum
Capitol City Roofing Co., 101 Trumbull
Clark, Merlin F. (Slate, Metal, Gravel & Tile), 19 Center
Clarke, E. W. & Son (Gravel, etc.), 15
Cohen Bros., 1204 Main
Couch, Geo. M., Co., 1072 Main
Cullen & Atkinson Co.
Fine, M. S., 1152 Main
Ford, J. P. (Slate, Metal & Felt), 373 Asylum
Godbout, Fred J., 74 Allyn
Goldenthal, M., 15 Affleck
Hartford Roofing Co., 33 Church
Lurie, Aaron, 172 Allyn
McManus, John C. & Sons, 346 Main
Murray, W. & J., 450 Main
Sneath, Frank H., & Son (Slate & Tile), 902 Main
Stelling, F. W., 9 Pawtucket
Webster, Chas. S., 546 Asylum
Wallad, Meyer, 35 Albany
Weigelt, W. P., 164 State

HIGHWOOD—Rice, Henry H.

LAKEVILLE—Hoyt & Baumann

LITCHFIELD—Allen, E. B. Co.
Crutch, George E.
Moraghan, M. V.

MANCHESTER—Emmons, L. S.

MERIDEN—Cummings, Geo. H. (Slate), 15
Dahill, John F., 72 Grove
Goodrich, F. S., 260 Centre
Griswold, Richmond & Glock Co., 2 W Main
Holmes, John L., 524 Broad
Rogers, Hervey, 82 Akron
Wheeler, F. J., 17 W Main

MIDDLETOWN—Bacon Bros.
Coughlin, W. J.
Donovan, James
Flynn, J. Taylor
Hale & Kelsey
Hyland, Michael J. (Slate, Tile & Gravel)
Kennedy, R.
Longworth-Wetherby Co.
Mills, Lyman D.
Schenk, Fred

MILFORD—Ford, S. T. & M. C.

MYSTIC—Hopwood, J. E. & Co.
Newberry, E. H.

NAUGATUCK—McCarthy, W. H., 75 S Main
Page, J. M. & Co., 175 Church

NEW BRITAIN—Bergeron, Albert H. 61 Cherry
Brady, Thomas H., 851 Main
Croll, Louis
Emley, William, 187 Main
Ericson & Johnson
Erwin, J. Edward, 48 Lafayette
Erwin, J. J. & W. T., 160 North
Hannon, M. E. & Co. (Gravel, Tar, etc.)
Hinchcliffe, S. L.
Hjerpe, C. A.
Loomis, F. W., & Co., 150 Arch
Pape, Wm. C.
Rapelye, George, 250 Main

NEW CANAAN—Simon Bros.

NEW HARTFORD—Smith, Henry T.

NEW HAVEN—Beebe, Wilson H., 414 Howard
Bradley Co., 158 Orange
Bradley, James H. (Felt & Gravel), 28 Farren av
Bristol, W. T., 116 Lamberton
Brown, James W., 3 E. Grand av.
Buckingham, South Co., 151 Court

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Carleton, F. A. (Est. of), 190 George
Chatfield Paper Co. (Gravel & Felt), 300 State
Clark, C. W., & Son (Slate, Tile & Felt), 109 Commerce

CLASON SNOW GUARD
428 Kinsley av, Providence, R. I. (See adv. index, end of book)

Clerkin & Co., 779 Grand av
Coe & Coleman Co., 970 Chapel
Corbett, T. W., 29 Broadway
Coyne Bros. Concrete Co. (Tar, Felt & Gravel), 250 Blatchley av
Curtiss & Pierpont Co., 272 Elm
Dardell, A., 292 George
Denny, W. H., 341 Peck av
Dibble, S. E., 639 Grand av.
Dorman & Cugell, 243 Congress av.
Edmondson, Geo., Co., 956 Grand av.
Flanagan, M. C., 194 Shelton av.
Flynn, Wm. E., 291 Congress av.
Godfrey, F. A. & A. E., 479 Campbell av., W. H.
Grodinsky, Samuel, 13 Vernon
Herpich, C., 543 Congress av.
Igo, John E., 121 Dixwell av.
Kannegiesser, Ernst, 109 Asylum
Kelley, James E., & Son (Gravel), 66 Liddell, Graham, 53 Crown Commerce
Lohse, Edward E., 224 Campbell av., W. H.
McDonald, Wm. H., 778 Grand av.
Menzies & Menzies, 196 Orange
Neuman, C. U., 529 3d av., W. H.
Perry, Harry M. (Metal), 218 George
Rourke Bros. Co., 834 Grand av
Ryan, Edw. R, 145 State
Sheehan, Daniel M., 108 Court
Shields, Richard J. (Tin & Slate), 81 Webster
Smith, A. J. & Co., 18 Blatchley av
Smith, W. A. T. Heating Co.
Wadsworth, I. N., 247 Elm, W. H.
Wright, O. S., 780 State

NEW LONDON—Andre, Benj. (Gravel, etc.) 352 William
Downey & Brennan, 36 Bradley
Higgins, Jno. F. (Slate, Gravel & Copper), 41 Sherman
Kennedy, Harry J., 398 Bank
McPhartland, Hugh, 81 Golden
Mallory, Amos, 113 Golden
Mallory Co., 166 Bank
Murray & Maher, 41 Main
Newman & Cronin, 33 Main
Roche & McGuire, 84 Green
Russel, P. W., 206 Bank
Sugrue, T. T., 29 Starr

NEW MILFORD—Beach, C. M.
McMahon, A. H.

NORFOLK—Thurston, W. A.

NORWALK—Clarke, Frank F. (Tar) Heating & Plumbing Co. (Slate & Tin)
Jones & Hotchkiss Co. (Slate & Metal)
McKeon, F. J., Jr.

NORWICH—Barstow, John P. & Co., 23 Water
Capron, C. P., Norwichtown
Murphy, Chas. O. (Tin & Gravel), 257 Central av
Troland, Jno., 23 W Main
Whitaker, Chas. E. (Gravel)

PORTLAND—Ellsworth, H. W.

PUTNAM—Chandler & Morse

RIDGEFIELD—McGlynn & Whitlock

ROCKVILLE—Kuhnley Plumbing & Heating Co.
Mulligan, John

SALISBURY—Wanger, C. F.

SHELTON—(See Derby)

SOUTHPORT—Wheeler, C. A.

SOUTHINGTON—Hancock, S. G.
Ballou, William M.

SOUTH MANCHESTER—Carrier, E. T.
Ferris Bros.
Moriarty, Hugh
Trotter, T. M.
Wright, Geo. R.

SOUTH NORWALK—(See Norwalk)

STAFFORD SPRINGS—Adams, Anthony
Hodgson, C. P.

STAMFORD—Broderick, T. H., 86 Gay
Stark Bros., 40 Park row
Wilson, James & Co., 36 Atlantic

STRATFORD—Beardsley, F. P. & Co.

SUFFIELD—Brown, F. W.

THOMASTON—Blakeslee, Harry L.

THOMPSONVILLE—Leete, A. R.

TORRINGTON—Agard Hardware Co.
Morrison, W. H.

WAUNVILLE—Symonds, W. F.

WALLINGFORD—Phelps, F. W., 21 Main
Phelps, L. M.

WATERBURY—Barlow Bros. Co. (Metal & Gravel), 63 Grand
Byrne, C. R. A. (Felt & Gravel), N Main, opp City Mill Lane
Clancy, M. (Est. of), 892 Bank
Disley, W. T. Co. (Gravel & Metal), 276
Donnelly, M. J., 47 Union Bank
Excelsior Concrete Co. (Felt & Gravel), 17 Baldwin av
Fahy, M. J., 8 West Burton
Garrity, P. H., 342 S Main
Keegan, J. A., Co. (Felt, Metal, etc.), 498 W. Main
Keeler, H. W. Co. 178 S Main
Smith, J. K. (Tile, Slate & Gravel), 7 1st av
Thatcher, Chas. Co., 39 Center
Toucey, Levi H. Co., 171 E Main
Weyand, Hy. Co. (Slate, Metal & Tile), 22 Jeff
Wright, E. R. (Felt, etc.), 115 Bank

WATERTOWN—Hitchcock Hardware Co.
Suffa, Jos.

WEST HAVEN—(See New Haven)

WILLIMANTIC—Bill, J. G., 12 North
Lyman, Hollis H.
Truscott, R. B., 8 Railroad

WINDSOR—Ingleson, W. D.
Wilbraham, G. F.

WINDSOR LOCKS—Mooney, J. E. (Slate & Metal)
Pease, Allen Co.

WINSTED—Alvord, J. H., 450 Main
Barrett & Kennelly
Holbrook, J. H.
Marsh, Fredk. W. & Son

WOODBURY—Hitchcock, F. F.
Terrill, Geo. G.

DELAWARE.

BRIDGEVILLE—Layton, H. C.

DOVER—Clendaniel, Geo. G.
Jones, T. K. & Bro. Co.

GEORGETOWN—Faucet, W. A. & Co.
Holson Bros. Hardware Co.

HARRINGTON—Callaway, J. A.

LAUREL—Smith, Samuel T.

MIDDLETOWN—Letherbury, W. S.
Roberts, J. T.

MILFORD—Apel, J. H.
Gray, W. M.

NEWARK—Hayes, Jas. H.

SEAFORD—Burton, W. S.
Williams, P. J.

SMYRNA—Brinton, J. H.
Faries, Wm.
Sisco, C. W.

WILMINGTON — Alexander, Wm. H. (Slate, Gravel, Plastic, Slag & Metal), 511 E 4th
Anderson, Thos. S., 1619 W 3d
Biddle, Samuel (Metal, Gravel, Plastic & Slag), 102 W 8th
Bullock, Isaac S. (Gravel, Plastic, Slag & Metal), 708 Shipley
Cooke, Hollis R., 715 Shipley
Davis, E. R., 1704 Lincoln
Delaware Roofing Co. (Gravel, Metal & Plastic), A & Newcastle av
Dewey, Jas. M., 9 W. 30th
Faulkner, Jas. E. (Slag), 614 Walnut
Faulkner, W. J. (Gravel, Plastic, Slag & Metal), 428 Queen
Johnson, J. C. & Son, 622 King
Johnson, Wm. J., 909 Walnut
Le Carpenter, Jno. F., 1607 Penna. av
O'Neill, Jos. I. Co. (Gravel & Plastic), 411 E. 4th
Palmer, Wm. M. (Metal, Gravel & Plastic), 101 E 15th
Reese & Bro., 412 King
Robinson, Harry G. (Metal & Slag), 221 Shipley
Rudolph, Z. Ferris, 108 E. 4th
Sakers & Co., 915 Church
Schweizer, John T., 525 W Front
Sharpe, Henry D., 107 W 9th
Shuster & Layton (Gravel & Plastic), 2202 Penna. av
Smith, Elmer G. (Metal, Gravel & Plastic), 117 E 7th
Speer, Geo. I. (Slate, Slag, Gravel & Plastic), 523 E. 4th
Starr, Thos. T. (Metal, Gravel & Plastic), 838 King
Stewart, Geo. B. (Metal, Slag, Gravel & Plastic), 119 Tatnall
Stradley, Geo. L., Jr., 607 W. Front
Williams, James, 527 W. Front
Williams, Wm. E. Co. (Metal, Gravel & Plastic), 821 Orange
Wood, J. F. & Co., 301 W Front

DISTRICT OF COLUMBIA.

WASHINGTON—Adams Bros., 1228 Pa. av., N W
Albinson, James E., 1802 14th, N. W
Bennett, James, 1122 18th, N W
Berry, W. O., 1009 E, N W
Binnix, Thomas, 1224 H, N W
Boland, T. M., 2222 Brightwood av, N W
Brand, David (Slate), 23 P, N E
Brown, Geo. B., 602 K, N E
Burns, Theo. A., 137 B, S E
Burrows, Chas. R., 1543 Wis. av. N W
Callan, Jno. F., 108 8th, N E
Casey, Timothy J., 614 L, N W
Castle, W. D., 1218 H, N W
Coberth, Chas. E., 812 14th, N W
Collier & Brosnahan, 229 H, N W
Collins, John W., & Son, 505 O, N W
Cook, John H., 1740 Pa. av., N W
Daly & Hopper, 1630 14th, N W
Davis Bros., 416 10th, S W
Dickerson, Joseph, 701 2d, S W
Dodson & Hodgson, 822 13th, N W
Doyle, John T., 907 R, N W
England, Wm. B., 716 H, N E
Englehart, Frank C., 346 M, S W
Fanning, Chas. J. (Slate & Tile), 220 Massachusetts av, N W
Feddon, James F., 17 Monroe
Flynn, Maurice B., 621 Pa. av, S E
Fry, Thos. R., 904 8th, S E
Gary & Flood, 2118 14th, N W
Giclas, Harry J., 118 4½, S W
Giclas, Louis, 1026 6th, N W

GILMAN SNOW GUARD
108 Merrimac, Boston, Mass. (See adv. index, end of book)

Goetzinger, Leo O., 2104 14th, N W
Grafton & Son, 714 9th, N W
Grimes, Philip H., 1057 Warehouse al, N W
Harrington, John J., 3206 M, N W
Heard, Chas. E., 1007 M, N W
Henshaw, John T., & Co., 736 13th, N W
Huddleston, M. C., & Co. (Slate & Tile), 1218 30th, N W
Hurdle, George, 609 Louisiana av, N W
Jenkins, Guy E., & Co., 633 F, N W
Johnson, Chas. W., Jr., 825 6th, N E
Jones, A. P., & Co., 1528 8th, N W
Kane, Stephen H., 2206 Pa. av, N W
Kennedy, John, 1229 7th, N W
Kirby, Michael P., 2216 14th, N W
Kneas, Gustave, 3122 Brightwood av, N W
Knight, Alex, C., 2707 P, N W
Lanahan, Cornelius B., 222 H, N W
Lingebach, Geo. A., 1109 T, N W
Lipp, Carvallis M., 1524 14th, N W
Lyles, Geo. W., 1308 14th, N W
McCarthy, Dennis F., 1010 M, N W
McConaty, Thos. A. (Slate & Tile), 814 I, N E
McCuen, William H., & Co., 1016 Connecticut av, N W
McIntosh, Chas. O., 1206 18th, N W
Madden Bros., 1731 7th, N W
Mallory, Chas., 1115 Q, N W
Marche, Wm. B., 805 E. Capitol
Mathy Co., 1918 Pennsylvania av, N W
Minnis & Martyn, 1501 Fla. av, N W
Mills, Walter R., 232 C, N E
Mitchell, M. C., Co., 3100 M, N W
Moran, John Co. (Inc.), 2126 Pa av, N W
Ockershausen, Chas., 1023 10th, N W
Pepper, John, 2015 14th, N W
Pierpont, Jno. A., 310 12th, N W
Poindexter, Welford, 328 C, S W
Ray, Wm. J., & Co., 802 M, N W
Rose Bros. (Slag & Metal), 1809 14th, N W
St. John, Alex., & Son, 1233 Wisconsin av, N W
Shedd, S. S., & Bro. Co., 432 9th, N W
Shelton, Wm. R., 480 Mass. av., N W
Shughrue, Chas. E., 446 11th, S W
Shughrue, John, 1103 7th, N W
Shugrue, John A., 412 Mass. av., N W
Shughrue, Michael, 431 11th, N W
Simmons, Wm. H. G., 512 K, N W
Simms, Jno. H., 1841 7th, N W
Smith, Richard C., 1915 9th, N W
Sommers & Davis, 527 4½, S W
Splawn, Thos. P., 3610 N, N W
Stansbury, Daniel R., 1306 H, N W
Stockstill, D. W., & Co., 211 12th, N W
Symanoskie, Jos., 701 D, N E
Uber, Louis C., 215 C, N E
Waple, Wm., & Son, Linden ct, N E
Ward, A. W., & Son, 1408 Pennsylvania av, N W
Warren Bros. Co., 27th, c H, N W
Winters, Jas. H., 742 8th, N W
Wright, R. F. Jr. & Co., Kenilworth
Yeatman, Geo. W., 490 Maryland av, S W

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FLORIDA.

COCOA—Hindle, Wm.
DAYTONA—Nash, Clarence & Son
DE LAND—McDonald, R. D.
Watts & Miller
JACKSONVILLE—Bouis, S. G. & Co.
Hubbard, S. B. Co.
McMillan Bros.
Macy & Johnson
Miller, Jno.
KEY WEST—Costar, M. R., 121 Simonton
Page, A. J., Elizabeth c Caroline
OCALA—Marion Hardware Co.
Young, R. E.
PALATKA—Griffin, Martin & Co.
Points, J. D. & Co.
PENSACOLA—Avery Hardware & Supply Co.
Vetter, C. B.
ST. AUGUSTINE — Hamblen, C. F. (Slate, Pacetti, Jos. T. & Co. Gravel, etc.)
SANFORD—Fernald, Geo. H. Hardware Co.
Hill, A. E.
TALLAHASSEE—Horton, J. H.
Yeager, L. C.
TAMPA—Berry, Wm. J. & Co.
Howard, Harry
Lau, K. Richard

GEORGIA.

ACWORTH—Kitchen & Williams
ATHENS—Bailey, D. W. J. S.
ATLANTA—Dowman-Dozier Mfg. Co. (Slate & Metal), 22 Trinity av
Franklin Plumbing & Tinning Co., 121 Gouge, C., 74 Ivy Whitehall
Henry Bros., 308 Decatur
Hunnicutt, J. E. & Co. (Slate & Metal), 56 Peachtree
Jones, W. R. (Slate, Metal & Tile), 98 Kelley, Alonzo R., 468 Decatur Walton
McNinch, J. T., 137 Marietta
Murphy, C. P. & Son (Granite, etc.), 2 Russell, C. W., 19 Peters Wall
Shide, A. J. & Co., 105 S Forsyth
Southern Roofing Co. (Felt, Gravel, Steel, etc.), Sou Ry Belt Line nr Van Winkle's
Strickland, J. W., 9 Peters
Warlick Sheet Metal Mfg. Co., 60 W Alabama
AUGUSTA—De More, E. A., 112 7th
Jessup, E. S., 939 Broad
Slusky, David (Slate & Metal), 1009 Broad
BARNESVILLE—Hawkins, R. E. Lee
CARTERSVILLE—Lumpkin Hardware Co.
CARROLLTON—Campbell, W. S.
CEDARTOWN—Mee, I. T.
COLUMBUS—Everett, H. F.
Gartman, W. D.
McArdle, H. L.
Russell, J. C. & Co.
Sheridan, G. W.
CORDELE—Hutchinson Lumber & Supply Co.
GAINESVILLE—Davidson & Pruitt Hardware
MACON—Howard, W. C., 25 Wall Co.
Ricks, L. C., Wall st
MARIETTA—Dobbs Hardware Co.
MILLEDGEVILLE—Hatcher, R. W.
Stanley, Joseph
ROME—Neal, James
SAVANNAH—Cornwell & Chipman, 108 W Congress
Cox, C. A., 142 Barnard
Hahne, F., 212 Drayton
Hobbs Bros. & Co.
Karsman, Frank
Pacetti's, E. C. Sons, 136 Whitaker
Platzblatt, H.
Sanders, C. M., 127 Jefferson
Sanders, J. K., 143 Jefferson
Seckinger & Kane, 151 Whitaker
THOMASVILLE—Watt, James & Bro.
VALDOSTA—Briggs, W. H. Hdw. Co.
WAYCROSS—Harley, P. N. Hardware Co.
Murray, M. J.

IDAHO.

BOISE—Acme Plumbing & Heating Co.
Carlson-Lusk Hardware Co.
Idaho Hdw. & Plumbing Co.
Loree & Son Hardware Co.
LEWISTON—Hahn, Chas.
MOSCOW—Collins & Orland Hardware Co.

ILLINOIS.

ADAMS—Bennett, Frank
ALBION—Weaver, Geo. & Son
ALEDO—Detwiler Bros.
Wells Bros.
ALTON—Barrett, Jas. L.
Degenhardt, A. J. (Slate & Metal)
Eckhard Mercantile Co.
Hoffman, H. A.
Merkle Bros.
Pitts & Hammill
AURORA—Choate & Kreamer
Crampton, J. T.
Hart, Chas. H.
Johns & Brown Co.
Kartheiser, Frank.
Mall, W.
Messenger & Parks Mfg. Co. (Slate & Metal)
Plain & Granquist (Slate & Metal)
Roesch, Geo. E.
Ryan, Henry
Tanner, Henry R.
Thielen, Barney
Usona Roofing Co.
Welter, N. P.
BARRINGTON—Bauman, Edward G.
Schroeder, Louis F.
BATAVIA—Burton, Geo.
Grimes, Wm. L. (Metal)
BAYLIS—Nichols, L. D.
BEARDSTOWN—Dunn, Robert H.
Keil, H. C., Main
BELLEVILLE—Geel, John A.
Junck, Charles & Co.
Keil, Adolph
Lebkeucher, L.
Louis, Frank J.
Millitzer, Henry
Voelkel Bros.
BENSENVILLE—Koelker, Fred.
BLOOMINGTON—Butler, Harry
Evans, Jno. W. Sons Co. (Felt, etc.)
Haase, Emil C.
Holder, Athey Hdw. Co.
Larson, John G.
McEvoy, J. W.
Morrison, Frank
Muhl, F. C. (Slate & Metal)
Parker, Wm. C.
Popple, M. L. (Slate & Metal)
Read, G. H. & Bro.
Schueler, Fred'k
BLUE ISLAND—Claussen, Henry G.
Schreiber Bros., Western av & James
BOWEN—Walty, Albert
BUSHNELL—Griffith, J. L. & Co.
Hoover & Bernhill
CAMP POINT—Stecher, C. F.
CAIRO—Engler Sheet Metal Works
CANTON—Luker Bros.
CARROLLTON—Black, S. A.
Mahoney, John
Stone, A. H.
CARTHAGE—Boswell, W. B.
Reyer Fred.
Sholl Bros.
Taylor & Edwards
CENTRALIA—Buehler, Fred & Co.
Zarback, E. F.
CHAMPAIGN—Durr, Alvin C.
Mollett, Chas.
Terwilliger, A. M. & L. A.
Trevett, Thos. H.
CHANDLERVILLE—Dorr, Henry
CHARLESTON—Pinatel, Chas. C.
Schriver, George
CHESTER—Fey Stove & Hardware Co.
Weinrich, C. F.
CHICAGO—Acme Roofing Co., 1188 W Congress
Advance Roofing & Sheet Metal Works, 4749 Cottage Grove av
Ajax Roofing Co., 180 S Western av
American Tile & Gravel Roofing Co. (Gravel, Tile, etc.), 188 La Salle
Anderson & Armstrong, 1011 Sheffield av
Anderson, F. & Co., 101 Clark av
Anglo-American Roofing Co., 972 W Chicago av
Asphalt Roofing & Mfg. Co., 836 W Randolph
Atlantic Roofing Co., 951 N Western av
Atlas Cornice Works (Slate & Metal), 1064 W 22d
Atlas Roofing Co., 651 W Madison
Bald, Benj., 282 Blue Island av
Bales, O. M., 3962 Cottage Grove av
Balsam, Emil, 180 Blue Island av
Barker, Chas. H., 792 W. Vanburen
Barriball, Chas. H. (Felt, Comp. & Gravel), 11444 Indiana av
Barsley, A. L., 2729 Michigan av
Bartels, Chas., 682 W. 14th pl
Baumheimel, John, 564 29th
Beahan, T. & Son, 429 W Lake
Becker, Ferdinand, 1510 Milwaukee av
Beher, Raymond, 24 Rush
Benz & Rossbach, 399 Dearborn
Bergstrom, A. B., 1407 W 59th
Berry, R., 6242 S Centre av
Biegler, Louis, 67 Dearborn av
Biewer, Wm., 744 Winnemac av
Black, John (Slate & Metal), 159 22d
Block, M., & Son, 316 W. 12th
Bohnett, Wm. R. (Felt, Comp. & Gravel), 4324 Cottage Grove av
Brady, J., 288 W. Adams
Brosty, H. S., 818 N Western av
Brosty, Henry R., 967 N California av
Brown, J. H. & Co., 310 W Lake
Brotzky, Joseph, 285 W 14th
Buckley & Hagan, 651 W Madison
Burke, Augustus (Comp.), 100 W Superior
Burke, John (Gravel), 3130 S Halsted
Burke, John, Roofing Co., 909 W. Madison
Lussiere, L. E. & Co., 1183 Congress av
Chicago Roofing & Supply Co., 1142 Fulton
City Roofing Co., 501 W. North av

CLASON SNOW GUARD
428 Kinsley av, Providence, R. I. (See adv. index, end of book)

Clutterham, Robert, 421 W 75th
Colby, Edwin L., 763 Estes
Colver Roofing Co., 11838 Wallace
Colvin, J. N., 6111 S Halsted
Connelly, M. C., 1970 W Madison
Cornell, Geo. H., 960 W Vanburen
Cortright Metal Roofing Co., 124 E Van Buren
Crescent Felt & Gravel Roofing Co., 80 W. Lake
Crescent Roofing Co. (Comp. & Gravel), 2821 Calumet
Cunningham, Thomas, 224 W 47th
Outler, William, 548 S Jefferson
Dahnel, Ernest R., 9368 S. Chicago av
Daly, L. F., 164 Odgen av
Davis & Gleason, 281 35th
De Clark, E., & Co., 91 Randolph
Dermody, Michael, 379 W. Ohio
Doran, John, 217 S. Sangamon
Downing, John, 3107 State
Driever, W. L., 1335 Osgood
Eastern Granite Roofing Co., 98 Jackson bl
Elaborated Ready Roofing Co., 4417 Wentworth
Elliott, J. M., 411 Blue Island av
Engel, Chas. F., 997 W. Van Buren
Enos, Henry E., 163 39th
Epple, Charles A., 2729 Cottage Grove av
Erickson, John T., 4430 La Salle
Evans, John M., 468 S. Leavitt
Evans & Eichner, 85 Lake
Farwell Cornice Co. (Slate & Metal), 13 Southport av
Fein, Samuel H., 309 26th
Fitch Roofing Co. (Slate & Metal), 179 Cottage Grove av
Foley & Overholt, 218 Illinois
Ford, Pierce, 38 N. Clark
Ford Roofing Co., 109 W Wash
Forsman, J. A., 441 W. 58th
Fowler, Alex. E., 2982 Elston av
Frentel & Foerster, 376 Center
Gaylord, George H. Roofing Co. (Slate, Gravel & Metal), 167 Dearborn

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Genasco Roofing Co., 108 La Salle
Giffert Roofing Co., 210 S Western
Givens, Wm., 278 55th
Glowacki, John B., 4528 S Ashland
Goldberg, Jos., 123 Johnston av
Goldenberg Nathan, 150 Sebor
Green & Schmidt, 973 W. 12th
Griffith Cornice Works, 2441 Indiana av
Gross, Geo. M., 1445 State
Gross Roofing Co., 456 W Division
Grove Roofing Co., 6655 Cottage Grove av
Gustafson, Edward, 733 Winona av
Haines, Chas. W., 2187 Lincoln av
Haines & Co., 83 Walnut
Halla, Frank G., 407 W Harrison
Hamer, Fred., 75 North av
Hansman, Martin, 2719 Wentworth av
Hartman, Hermann, 158 Fry
Harvey, Richard J., 428 Johnson
Hazzard & Co., 7030 Cottage Grove av
Heckler, Herman, 351 63d
Henrichs & Renaud, 143 31st
Henschel, E. H., & Co., 4212 Wentworth av
Herr, Wm., 610 W. 15th
Hillebrand & Grotefield, 2271 N Robey
Hoffmann, Wm., 775 N. Halsted

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Holmberg, Chas., & Co., 50 Michigan
Holpuch Roofing Co. (Felt, Comp. & Gravel), 923 S Ashland av
Hopkins, H. H., Co., 50 Dearborn
Hopp, Frank, 1153 W. 63d
Hughes, Peter & Co. (Comp.), 1241 W. Lake
Illinois Roofing & Cornice Co. (Slate, Tile & Metal), 329 W Kinzie
Jaeger, Peter, 1799 Milwaukee av
James, David & Son, 123 S Clinton
Johnson, John Roofing Co.
Johnson, Oscar, 273 W. Randolph
Johnson & Adamson, 5008 Wentworth av
Kalbaba, Joseph, 215 W. 12th
Kaminsky, M., 9 O'Brien
Kasten, Wm., 922 Wellington
Kelly, Henry C., 100 S Franklin
Kennealy, Edmund (Comp.), 3008 Loomis
Kerstowske Bros., 5139 Justine
Kessin, Chas., 489 W. Chicago av
Kitzelman & Co., 7333 Wentworth av
Knickerbocker Roofing & Paving Co., 138 Washington
Knisely Bros. (Slate, Metal & Tile), 2799 5th av
KNISELY, H. C. CO. (Slate, Tin, Iron & Tile), 278 S. Canal. (See adv. index, end of book)
Koehler, Anthony, 655 Blue Island av
Koenig, John, 494 Larrabee
Kolbe, Otto, 937 N. Western av
Kozeluh, John, 674 S May
Kovarsky, L. & Co., 438 S Paulina
Kraft, Aug. C., 235 Lake
Krefting, Edw., 119 W. Vanburen
Kubal, John, 599 W. 17th
Kubick, Chas. F., 9270 S. Chicago av
Kuhn, Alex., 229 Larrabee
Kyle, Geo. A., 80 Hudson av
Lachele Bros., 2980 N. Ashland av
Lakeside Roofing Co., 2419 S Park av
Landquist, Oscar, 546 37th
Lavin, L., & Co. (Felt, Comp. & Gravel), 336 W. 14th
LeClair, Adrian, 108 Flournoy
Liddle, Robert, 2608 State
Lincoln Roofing Co. (Felt, Comp. & Gravel), 1413 N Clark
Livingston, John, 256 35th
Lothamer, Louis W., 435 W Lake
Lovedale, Orville, 775 N Park av
Lozier, Chas. B., 808 120th
Lyman, Albert, 1071 W Madison
Lyman, Wilfred C., 49 Michigan
McCarthy, Jos., 423 N. Clark
McFARLAND, J. C. & CO. (Slate, Metal & Tile), 27th & 5th av. (See adv. index, end of book)
McIlroy Cornice Works, 1519 State
McKeon, Christopher J. (Comp.), 791
McKeown, John, 14 Rush Grand av
McMahon, M. J., 1254 S. 43d av
McMorran, Edw. E., & Co., 15 N. Clinton
Maehler, Paul Co., 203 W Lake
Maguire, James S., 681 Warren av
Marcus, Bernard, 278 Blue Island av
Mathiesen, Anton, 220 Grand av
Mathiesen, E. C., 90 W Ohio
Mealor, J., & Co. (Comp. Felt, Gravel & Metal), 186 Washington
Meister, Otto, 1000 N. Sawyer av
Mellish, F. & Co., 123 Kinzie
Merchants' Roofing & Supply Co., 106 Grand av
Miller, Isaac E., 792 W. Chicago av
Miller, James A., & Bro. (Slate, Metal, Tile, etc.), 136 S. Clinton
Miller, Otto V., 5111 State
Millington, Arthur, 965 S. Homan av
Mitchell, Wm., 157 S. Desplaines
Monarch Roofing Co., 1436 Ogden av
Moore, Edward Roofing Co., Cham of Com bldg
Moore-Maguire Roofing Co., 138 Washington
Morris Roofing Co., 565 N. Robey
Mosheik, Philip, 421 S. Halsted
Motzer, John J., 1506 N Maplewood av
Mund, Paul F., 131 Clybourn av
Murdoch, William, Co. (Felt, Comp. & Gravel), 145 La Salle
Nadel, Samuel Sons & Co., 2476 Archer av
Narowetz, Louis, 203 Kinzie
National Roofing Co., 3223 La Salle
Nelson & Bergstrom, 246 Janssen av
Newman, Alex., 2940 Wentworth av
Noebling, Wm., 399 North tav
North Chicago Roofing Co. (Felt, Comp. & Gravel), 128 North av
Northwest Ready Roofing Co., 1293 N Western av
Norton, Daniel H., 16 Churchill
Noyes, E. A. (Slate & Metal), 584 W Lake
Nyman, Aug., 3152 State
O'Brien & Co. (Gravel), 4705 State
O'Brien, John, 215 S. Clinton
Offersen, Louis, 827 W. North av
O'Donnell & Wilder, 952 W. 12th
Parrott, Wm., 4532 Cottage Grove av
Patent Vulcanite Roofing Co., 625 Camp-
Peterkin, John, 47 Michigan bell
Powell, M. W. Co. (Flax Felt, Wool Felt & Flat Tile) 204 Dearborn
Powell & Jones (Comp.), Monadnock blk
Prairie, Frank, 3424 State
Price, Jacob (Felt, Comp. & Gravel), 881 Larrabee
Progress Roofing Co., 154 W. Division
Purdy & Cauble (Felt, Comp., Gravel & Metal), 800 W. 63d
Randolph, Charles W., 825 Clifton av
Raymaker Roofing Co., 463 W Lake
Ready Roofing Co., 5239 S Ashland av
Redmond, Timothy J., 1583 Harvard
Reif, Max A., 360 N. Winchester av
Reliable Roofing Co., 466 S California av
Renaud, F. D. & Co. (Comp., Felt, Gravel & Metal), 615 31st
Renaud, J. P., & Co., 3708 5th av
Renaud Roofing Co., 3530 Wentworth
Rice, C. H., & Bro., 249 57th
Richards, David M., Roofing Co. (Comp.) 238 31st
Riebel, F., & Co., 6217 Wentworth av
Riedl, Anton, 1259 W. Lake
Roessler, Albert H., 494 W. North av
Rood, Geo. L., 238 Lake
Roop & Grupell, 77 Vanburen
Rosenbaum, H. Roofing Co. (Felt, Comp. & Gravel), 3326 State
Rosenow Bros., 927 Otto
Ryan, Samuel R., 1115 N. Halsted
Rysdon, Louis S., 66
Schanze, Fredk. H., 600 W. 12th
Schlundt, Fredk. M., 58 Blue Island av
Schmidt, Herman, 344 Clark
Schmidt, W. C. & Co., 978 W 12th
Scholl, Theo. F., 3036 Archer av
Schuld, Jacob, 441 S. Lincoln
Schuler, J. F., 94 E. Fullerton av
Schumacher, N. G., 740 Belmont
Schuth Bros., 1293 N Western av
Seela, Max, & Co. (Shingle, Tar & Gravel), 775 W. 21st
Seidler, Lewis, 591 Noble
Shaffer, H. R., Co. (Gravel), 145 La
Shinn, Seth L., 700 W. Lake Salle
Shipley, Jos. T., 201 Warsaw av
Simpson, Robt., 5722 State
Smith, Chas. H., 242 40th
Smith, J., & Co. (Slate & Metal), 1344 W. 22d
Spencer, Geo. L., & Co., 140 N. Central Park av
Standard Roofing Co. (Comp.), 294 N. HalsteJ
Steffey, C. A., 977 N Halsted
Stieber, Jos., 400 N. Ashland av
Stoops, G. B., & Bro. (Comp., Slate & Metal), 449 Grand av
Stowell Mfg. Co., 47 Market
Sykes Steel Roofing Co. (Slate, Tile & Metal), 114 W 19th pl
Taylor, Walter G., 1102 75th
Thoresen, William, 419 W. North av
Troxel, John, 645 W. Kinzie
Turner, R., 358 W. Lake
Universal Cornice & Roofing Co. (Slate, Metal & Tile), 970 S. Troy
Vallas, Wm. H. (Felt, Comp. & Gravel), Vogt, Anton, 605 Root 1325 W. Lake
Volgtman, Fk., Cornice Co. (Slate, Tile & Metal), 91 Indiana
Wall, C. L., & Co., 507 39th
Warren, Jas. P., 215 Austin av
Watson, W. D. Co., 802 W. Vanburen
Weil, Herman Roofing Co. (Comp.), 591 N Wells
West, B. F., & Co. (Comp., Felt & Gravel), 217 W. Madison
West Coast Co., 153 La Salle
Westermann, Christian, 324 N. Ashland av
Western Roofing Co., 2357 La Salle
Wheeler, B. W. (Comp.), 1074 58th
Wheeler, John J., 290 N Halsted
Wheeler & Thomas Roofing Co. (Comp.), 169 N. Wells
White Bros., 1347 Fulton
Wilie, C. H., 11834 Wallace
Wilson & Friend, 3136 S Canal
Woodley, Jas. C., & Co., 2256 Lumber
Worthington, Wm. R., 259 Rush
Wright, J. W., 1425 Fillmore
Wright, Wm., 415 W Van Buren
Wyatt, W. E. (Felt, Comp. & Gravel), W. Garfield boul., cor. State
Yeldham & Keusder, 269 W Van Buren
Yeske, Robt. H., 468 S Western av
Zeh, Henry C., 830 S Troy
Zeller, John H., 3102 N Irving av
Zeller, Joseph, 3112 Butler
Zenner, John P., 28 N Desplaines

CLINTON—Killough, John
Metz, Herman
COLLINSVILLE—Kluge Bros.
Ruemler, Charles
CRETE—Dierson, Henry W.
CULLOM—Cook, P. J.
DANVILLE—Bireline & Orr (Slate & Metal)
Brant, Edw'd H.
Dietz & Senger
Dobbins & Lahr
Goth, Wm.
King Bros. (Slate & Metal)
Koons, William U.
DECATUR—Adkesson, C. B.
Bane, G. T.
Decatur Cornice & Roofing Co.
Dennis, B. M.
Fahey, M.
Morehouse & Wells Co.
DE KALB—Dunn, John
Sheets & Knodle Co.
DIXON—Herrick, W. A.
Hofman, John
Howell, E. N. Hdw. Co.
Slothower, R. J. & Sons
DU QUOIN—Kimmel & Yehling
EAST MOLINE—Aldrich & Potter
EAST ST. LOUIS — Boyles, Frank P. & Co.
Haines, O. J. & Son (Gravel)
Schaub Hardware & Iron Co., 312 B'way
EDINBURG—Ballett, Jacob (Slate, Metal &
EDWARDSVILLE—Bernreuther, Fred Tile)
Kellar, E. A. Co.
Kriege, W. C. & Co.
Tuxhorn Bros. Hdw. Co.
ELGIN—Barclay, D. F.
Davis & Little
Juby, A. C.
Kimball-Dietrich Hdw. Co.
King, John W.
Klitzgen, Aug.
Meehan, William J.
Ziegler Bros.
ELMHURST—Fiebrandt, Henry
Most, Wm.
EL PASO—Baker, Joseph
Hass, Peter & Sons
Waite, A. H.
EVANSTON—Connor, J. C. Co., Davis
Connor, Thos. E.
Davis, Wm.
Drummond, A. & Co.
Hedblom, Fred. W.
Peterson, N. G.
Moore, A. H.
FREEPORT—Freeport Hdw. Co.
Parker, M. L.
GALENA—Asmus, C. A., 194 Main
Kempter, Frank
GADESBURG—Bliss, H. C.
Galesburg Cornice Works (Slate, Metal & Tile)
Murphy Bros. & Anderson (Slate, Metal & Tile)
Rearick, F. H. & Son
Hvaren, Oscar
Willis Mfg. Co. (Slate & Metal)
GENESEO—Becker, Theo.
Bolte, Hy
Hannon, Kidney & Ryan
GENOA—Sager, Thomas G.
GILLESPIE—Schmidt, F. E. Hardware Co.
GOLDEN—Franzen & Miller
GRANITE CITL—Bischoff, Henry H.
Bristow Hardware & Supply Co.
GRIDLEY—McNaught, C. E.
Niergrath & Donnelly
HAMILTON—Wetzel, L. F.
HAMPSHIRE—McGrath & Widmayer
HARRISBURG—Seten, R. & Son
HARVEY—Cassell, Isaac & Son
Hilbish, D. H.
HAVANA—Geary, G. W.
HIGHLAND PARK—Purdy, D. C. & Sons
Sullivan, C. P.
HILLSBORO—Brown, Geo. W. (Slate, Comp. &
McDavid, J. L. & Co. Metal)
HINSDALE—Bohlander, Jno. & Sons
HOOPESTON—Werner, E. B. (Slate & Metal)
JACKSONVILLE — Brennan, J. F. (Slate &
Brady Bros. Hdw. Co. Metal)
Gay, Geo. S.
Johnson & Hackett
Smith, H. L. & B. W.
JERSEYVILLE—Cory, J. E.
Daniels, H. S.

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JOLIET—Meers, Robert
Poehner & Dillman
Schuessler, Albert M.
KANKAKEE—Bregenzer, C. C.
Crevier, F. X.
Reuter, Henry (Slate, Iron & Comp.)
Sauer, Jacob
Troup, H. H. & Co (Felt)
KEWANEE—Rutterwick & Bro.
Kennish Hardware Co.
KIRKWOOD—Wise, E. F.
KNOXVILLE—Tate, Frank M.
LA GRANGE—Blaser, Jno
Schwenck, Frank
Stuessy Bros.
LA HARPE—Coulson, Brundage & Co.
LAKE FOREST—O'Neil, Jos. W.
O'Neill, Wm. J.
LA SALLE—Boyle, T. & Bro.
Camenish Bros.
Gruenwald, Julius G.
Hellstedt Hardware Co.
Herrcke, Robert T.
Nelly, I. K.
LEBANON—Sager, C. H. Hardware Co. (Slate & Metal)
Stoffel Bros.
LE MONT—Friedley, F. T.
LEWISTOWN—Ewan & Purdy
Grier, Cullen
LEXINGTON—Strayer, Sarah F.
LIBERTY—Austin, Cornelius
LIBERTYVILLE—Eger, H. B.
LINCOLN—Debner, J. P. (Slate & Tin)
Oltz, Fred.
Reinhardt's M. Sons
Yeager, Edw. W.
LITCHFIELD—Clearwater, N.
Hiller, Henry
LOCKPORT—O'Connell, Wm.
LONDON MILLS—White & Wolford
LYONS—Bittig, Chas.
Waller, Fred.
MACOMB—Campbell, J. W. & Co.
Rice & Frowein
MANITO—Marshall, J. A. & Co.
MARTINSVILLE—McNary, H. V.
MASCOUTAH—Guth, A. H.
Keller, B. R.
Stoffel, J. W.
MASON CITY—Chambers, C. E.
MATTOON—Webber, O. B.
MAYWOOD—Ruden, John
MECHANICSBURG—Freeto, G. L.
MELVIN—Stathers, W.
MENDON—Thompson, Wm.
MENDOTA—Edwards Hardware Co.
Schultz, August
Wittgan, Frank
METROPOLIS—Craig, J. H. & Co.
MILLSTADT—Nolte, Geo.
MOLINE—Bergen, R. D.
Berglund, C. A. (Metal)
Hager, Jacob
Hemmingson, C. & A.
Lewis, F. J., Mfg. Co.
Parks, Hugh H.
Reid Co.
Sammel, W. B.
Willis & Sons Co. (Slate & Metal)
MOMENCE—Astle, Charles B.
MONMOUTH—McCullough Hdw. & Impl't Co.
Van Valkenburg & Son
MONTICELLO—Harris, Henry P.
MORRIS—Croning, D. G.
Donahue, C. G.
MORRISON—Robinson, Wm. G.
Sauer, H.
Woods, Oscar
MORRISONVILLE—Wyckoff, C. A.
MORTON—Reuling, Fred.
MOUND CITY—Hough, W. W.
MOUNT CARROLL—Jessen, Otto
Squires, Thos., Hardware Co.
MOUNT STERLING—Breidenband, J.
Briggs, Hersman & Parker
O'Neil, Martin A.
MOUNT VERNON—Hinman & Mathews
Stratton, R. L.
MURPHYSBORO—Stoetzle, John & Bro.
OAK PARK—Kaltenbach, H. W.
Purnell, Enoch
Steger, Peter
OLNEY—Jolly, Weiland & Richardson
ONARGA—Amerman, M. T.
OREGON—Gilbert, F. M. & Son
Sheets, B. F. Co.
OTTAWA—Fischer, Fred L.
Jordan, R. C.
Paisley, Wm. C.
Pearson's, Sam'l S. Sons
Zeller Hardware Co.
Walter, Jno. (Slate & Metal)
PANA—Brown & Custer (Metal & Comp.)
Haywood, H. L.
Paul, G. A. (Slate & Metal)
PARIS—Bovell, J. B. (Slate & Metal)
Hannah, A. A., Jr.
PAXTON—Corbett Bros.
Cruzen, R. Co.
PEKIN—Jaeckel & Son
Pekin Hdw. Co.
Schuttler, Martin
Splittgerber, Chas. & Son
PEORIA—Aylward, R. C. (Slate & Metal), 916 N Adams
Bushell, A. A. & Son (Slate & Metal & Gravel), 1317 S Wash'n
Dickson Co., The, 206 S Jefferson av
Gardelka, Ernest, 510 Steubenville
Hunter & Strehlow (Slate & Metal), 114 S Adams
Johnson, Charles Hardware Co. (Slate & Metal), 2023 S Adams
Kavanaugh, P. H., 227 S Madison av
Kellerstrass, Robt.
Martens, Wm.
Meyer, F. & Bro. & Co. (Slate & Metal), 1313 S Adams
Orr, Samuel M., 407 S Washington
Russell, H. V., 1110 N Adams
Traeger, Fred'k W. (Slate, Metal & Steel), 719 Main
Strehlow, Rudolph
Weber, Frederick J., 1007 Warner av
Wilson, Robt. L. & Co., 3017 S Adams
PERU—Soedler, Geo. & Sons
PETERSBURG—Clary, W. P.
Kahn, Marcus
Seese, C. A.
Seese, John H.
PINCKNEYVILLE—Stookey, V. A. & Son
PITTSFIELD—Clayton Hardware Co.
Lloyd Hardware Co.
PONTIAC—Lauth, Joseph
PRINCETON—Cowley, T. C.
Gibbs, H. D. & Sons
Glynn, John & Co.
Priestley Hdw. Co.
QUINCY—Albright Bros. (Gravel, etc.)
Berghofer-Mitchell Co. (Slate, Tile & Metal)
Comstock-Castle Stove Co.
Frederick, Edw. (Slate & Metal)
Gross, Frank C.
Meyer & Schell
Schaller, Geo. C.
Scheipering, Gustav
Scheipering & Lohman
Schwendeman, George
Thoele, Wm. H.
Weinhoener & Schild
Wilson, W. C. (Slate & Metal)
Winking, George
Wurst, C. H. Co. (Slate & Metal)
Ziener, Alois
Ziener Bros. (Slate & Metal)
ROCK FALLS—Taylor, E. U.
BROCKFORD—Allen, John C. (Tar & Gravel)
Drake-Tucker Hdw. Co. (Slate & Metal)
Harder, Alex. P.
McGuire Bros. (Tin, Tile & Slate)
Mosecrop, R. J.
Ralston, J. B. & Son
Skandia Hdw. Co.
ROCK ISLAND—Allen, Myers & Co., 1821 2d av
Bertelsen, Jno. (Slate & Metal), 523 22d
Burgess, J. J., & Co.
Krell & Johnston
Lewis Roofing Co. (Asphalt, Gravel & Felt), 2325½ 3d av
Siemon, H. T.
Wilcher, Phil S.
BUSHVILLE—Griffith Hardware Co.
Parrott & Kerr
SHELBYVILLE—Lantz Bros.
SPRINGFIELD—Armstrong Bros
Cooper, J. W.
De Souza, Chas.
Edmands, Fred. E.
Foster, Wm. & Sons Co.
George Bros.
Kreigh, E. M. Co.
Lanterbach, Peter
Mathies, R.
Melcher, Oscar A.
Neuman, J. C. (Asbestos & Metal)
STERLING—Davis, Chas. A.
Phillips, J. H. & Co.
Taylor, F. R. & Co. (Slate & Metal)
STREATOR—Alband, John
Howe, L. D.
Reiferschneid, W. & Co.
SYCAMORE—Haight Bros. Hdw. Co.
Ohlmacher, C. J.
Brower, A. W.
TAYLORVILLE—McGahan, Wm. H. (Slate & Metal)
TOULON—Ward, C. D.
TRENTON—Koents, L. M.
TUSCOLA—Cox, C. E.
UPPER ALTON—Hoffman, J. B.
URBANA—Grant, F. M.
Green, J. D.
VIRGINIA—Lang, F. C.
Meade, Thos.
WAUKEGAN—Bangs, Henry A.
Dodge, W. H.
Lanyon, J. & Son
Melody, Wm. A.
West Coast Co.
WENONA—Barrett, Frank
WHITE HALL—Brantsel, M. G.
WYANET—Olds & Hamilton

INDIANA.

AKRON—Miller, Wm. C.
ALBANY—McCormick Bros. Co. (Slate, Gravel & Metal)
ALBION—Baughman, D. L. (Asbestos)
Berger, J. D. (Metal & Felt)
ANDERSON—Babcock, Robert G.
East, D. C. & Son
Epperson, Geo. B.
Nichol Hardware Co.
ANGOLA—Woolford, Walter M.
ATTICA—Powell, Thos. M.
AUBURN—Bearet, Louis J.
Conrad, A. H.
AURORA—Langley, A.
Spaeth, H. P. & Co.
BATESVILLE—Krieger, Wm. & Son
Schrader, H. F. E.
BEDFORD—Ramsey & Matthis
BLOOMINGTON—Davis Hardware Co. (Gravel, Slate & Metal)
Mooney, Wm.
Shafer Bros.
BOONVILLE—Kinderman's, Wm. Sons
BRAZIL—Hawkins, O. C.
BREMEN—Breunlin, W. G.
Steinick, J. H.
BROOKVILLE—Fieber & Holmes
BROWNSTOWN—Bolles, W. R.
CAMBRIDGE CITY—Hollowell, Jos.
CARLISLE—Risinger & Ellis
COLUMBUS—Brooks Bros. (Slate & Metal)
Browning, Thos. E.
Loesch & Williams
Schwartskopf, J. G. & Son (Slate & Metal)
Volland, F.
CONNERSVILLE—Cain, Harry
COVINGTON—Coffing, T. M.
Mayer, M., Jr.
CRAWFORDSVILLE—Bappert, A. & Son
Davis, Frank
Schenk, Henry T.
DECATUR—Brock, John
DELPHI—Barnett & Mohr
ELKHART—Borneman & Sons
Garvin & Co.
Klaer, Frank L.
EVANSVILLE—Anchor Roofing & Paving Co. (Gravel), 915 River
Anchor Supply Co. (Asphalt & Gravel), 3
Anderson & Veatch
Attinger, Wm. F. (Metal), 309 L 1st
Blemker, L. A. & Son
Bohn, Chas. (Metal), 1319 Main
Bush, E. M. Hardware Co. (Felt & Gravel), 305
Groeninger, J. J. & Co. (Metal),
Jurgensmeier, Edw. (Slate), 610 F
Koch, Geo. Sons (Gravel & Metal),
Koch Stove & Hardware Co.
Kreipke, J. H. & Co. (Metal), 319
Lohse, H. Co. (Metal), 7 2d av
Meaker, Geo. L. Co. (Iron & Steel)
Meyer, Jos. A. (Metal), 1407 Main
Moran, Mich'l & Son (Metal), 216
Ohio Valley Roofing Co. (Slate), 318
Puder, Fred (Metal), 730 Vine
Schminke, H. & Co. (Slate & Metal),
Schmitt, Aug. & Sons (Metal), 607 Main
Schwink, Jos. J., 1105 W Franklin
Sonntag, G. W. (Felt & Gravel),
Thiele, J. A. & Co. (Metal), 108
FAIRMOUNT—Bryan, A. D.
Dale, J. W. (Slate & Metal)
FORT BRANCH—Lawton, F. P.
Stone, W. I.
FORT WAYNE—Ash, H. J.
Bohen, T. H.
Fort Wayne Roofing & Paving Co. (Asphalt & Gravel)
Freiburger Hdw Co., 360 Calhoun
Gerding & Ammann Bros. (Slate, Metal & Asphalt, etc.), 115
Gunkel, Otto F.
Pranger, Wm.
Schlatter, C. C. & Co., 38 E Columbia
Seavey Hardware Co., 19 W Main
Staub, A. H., 22 E Columbia
Welch, J. H. & Sons (Tile, Metal & Asphalt), 129

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GAS CITY—Garthwait Hdw Co.
GOSHEN—Hawks Hardware Co.
GOSPORT—Burkett, A. H.
GREENCASTLE—Meltzer, Chas H.
GREENFIELD—Banks, A. J. & Son (Slate, Grifey & Johnson Tin & Steel
GREENSBURG—Corbett & Rohe (Slate, Metal)
Mendenhall, James E.
HAMMOND—Lundt & Carley Roofing Co.
Minas, E. C. Co.
Mueller, P. H.
HUNTINGBURG—Bamberger, Phil.
Dufendach Hardware Co.
Shurig, Chas.
HUNTINGTON—McCartney, Geo. M.
Miller, Christian
Nave, Samuel S.
Reichenbach & Wickenhiser
Shock, J. W. Co.
Stevens, E. M. (Slate)
INDIANAPOLIS — Abel & Doyle (Slate & Metal), 229 Indiana av
Albrecht, Chas., Co., 574 Mass. av
Bouvy, Julius H., 1118 Prospect
Braughton, McCullough, 727 Mass. av
Brown, Jos. H., 1125 Woodlawn av
Carroll, Jas. P., Broadway & 10th
Cox, Rich'd, 916 E 6th
Crompton, Ebenezer, 908 Ft. Wayne av
Ehrich, Wm. G., 120 E. Maryland
Enders, Aug. C. F., 1006 E Washington
Enners, Chas. H., & Co., 408 Mass. av
Ensey, Orvis B. (Slate, Gravel & Metal), 1308 N Senate av
Eschenbach, Moritz, 1718 Madison av
Escol, Hyman, 868 Virginia av
Evans, Jesse A., 1020 N Beville av
Fehr, Charles C., 710 E. 19th
Fitzwater Bros., Warman av & Michigan
Frand, Edward D., 714 Virginia av
Frick, Julius, 1800 Orange
Gardner, Jos. (Slate & Metal), 41 Kentucky av
Gauss, Chas. A., 721 Russell av
Gerkin, John E., 3006 N. Illinois
Goebler, Henry, 307 W. 16th
Goldstein & Son, 1016 S Meridian
Hadley, Thos. E., 146 Kentucky av
Harmon & Hall (Asphalt & Gravel), 137 W. Wash.
Havens, D. F., 36 McLean pl
Hawkins Rollyn Co.
Hoover, Ralph P., 1515 Buchanan
Horton, Benj. F., 1214 Blaine av
Humphreys & Sargent (Slate & Metal), 124 E. Court
Jacobs, Wm., 1917 W. Wash'n
Kalb, John, 1419 N. Illinois
Lauck, Jno., & Sons, 1004 S. Meridian
Laut, H. W., & Co., 630 Fletcher av
Lieberman, Louis, 616 S. West
McCain, Jos. C., 549 Arbor
McCready, Benj. F., 935 Ft. Wayne av
Maier, Charles, 2104 W. Michigan
Mast, G. J., Heating Co., 648 Mass. av
Messmer, Edward W., 1025 Madison av
Nahre, Richard, 22 N Ritter av
Neiburger, Sam'l, 819 Mass. av
Newhouse, Asariah, 2426 N. Olney
Off, Christian, & Co. (Slate & Metal), 5 N. New Jersey
Powell, Geo., 335 Virginia av
Price, Edward S., 141 W. 21st
Prunk, Frank H., 522 Indiana av
Quack Bros., 1150 Spruce
Reeder, Ralph R., 312 E. 16th
Shepard & Berg, 2864 Clifton
Sheppard, Wm. C., 1101 W. 30th
Smith, Frank, 829 N. Temple av
Smith, James I., 2513 W Washington av
Smither, H. C., Roofing Co. (Tar, Pitch, Comp., Felt & Gravel), 330 S. Penn
Smither, T. F. (Comp., Asphalt, Gravel & Pitch), 332 W Maryland
Smock, Howard A., 489 Mass. av
Steeb, John, 521 Lincoln
Sullivan, Wm. A., 517 King av
Symmes, H. H., Co. (Asphalt, Comp., etc.), 144 Kentucky av
Troy Bros., 142 S. Delaware
Turner, Alvin H., 122 E 24th
Turner, Major W., 405 Horman
Weinland, Albert H. (Slate & Metal), 942 Ft. Wayne av
Willis, Jonathan, 932 Indiana av
Wright, Wm. L., 614 E. Washington
Zimmerman, C., & Sons (Comp., Slate & Metal), 19 S. East
EFFERSONVILLE—Bennett, Geo. W.
Lindley, Thos. J.
Overholser, H. G.
JESBORO—Jackson Bros.
KENDALLVILLE—Loomis, Edgar S.
Zern & Bliss
KNIGHTSTOWN—Kennard, F. M.
Verry, George W.
KOKOMO — Armstrong-Landon Co. (Slate & Metal)
Werbe, W. H.
LAFAYETTE—Boyle, D. M.
Co-operative Tin Shop
Hicks, John B. & Son
Howe & Shipley (Slate & Metal), 336 main
Lehnen & Reitemeier
Neumann, J., Hardware Co.
Reitemeier, F. & Son, 203 Columbia
Strate, William F.
Sale, A. C.
LAPORTE—Decker Bros.
Lower's, Jas. Sons
Webber, Hdw. Co.
Wunsch, E.
LAWRENCEBURG—Barrott, E. & Son
Emerson, W. A.
Kidd, H. G.
Stuber, F., & Son (Slate & Metal)
LEBANON—Tice & Brown
LIBERTY—Fosdick, F. F.
Peters, H. C.
Shafer, I. E.
LOGANSPORT—Dilley, C. L. & Co. (Tar & Gravel), 515 Market
Eberlein, C. Augustus (Metal & Slate), 508
Wood, Thos. 12th
LOWELL—Burnham Bros.
Death, George M.
Sanders, E. L.
MADISON—Davison, Nellie A. (Mrs.)
Eckert, John Sons
Hoffman, Peter
MARION—Beshore, Chas. (Metal & Slate)
Brown, Wm. Co.
Clifford, L. L. & Co.
Curran, F. V. & Son (Gravel & Tar)
Hollinger, M. G. & Co. (Slate & Metal)
Jones, O. S.
Swanger & McClane (Slate, Iron, etc.)
MICHIGAN CITY—Bartholomew & Co. (Slate
Klopsch, Otto & Son
Staiger Hdw. Co.
MISHAWAKA—Albert & Hunsburger
Distler, Jno. C.
Lang, O. E. & Co.
Swanger, J. Q., Jr.
MOUNT VERNON—Gronemeir's, S. H. Son
MUNCIE—Cook & Miller
Doyle, Thos. F.
Noland Roofing Co. (Pitch, Gravel, Asphalt,
Warfel, Wm. H. etc.)
Wells, A. T.
Young & Kessler
NEW ALBANY—Creed, W. B.
Huncilman, E. A.
Miller Bros.
Plumer & Co.
Walter, John J.
NEW CASTLE—Michael, C. A. & Son
Shriner, Jas. C.
NOBLESVILLE—Clark Supply House (Felt & Steel)
Longley, W. R.
Michaels, Milton & Son
Thompson, Jacob (Iron & Tin)
NORTH MANCHESTER—Frame, D. & Son
Lockwood, J. B.
Stewart & Noftzger
PERU—Cloud, Levi
Soames, Chas.
PLYMOUTH—Armstrong, H. A.
Eich, Chas. J.
RICHMOND—Johnson, Peter Co. (Slate, Metal & Gravel)
Johnson, W. N. (Slate & Metal)
Schultz & Laning, 186 Ft. Wayne av
Woodhurst, C. R.
RUSHVILLE—Beale, John S.
Clark, M. B.
SEYMOUR—Cordes Hardware Co. (Slate, Tin & Iron)
Frederick, Geo. M. (Slate, Tin & Iron)
Kessler Hardware Co. (Slate & Metal)
Union Hardware Co.
SHELBYVILLE—Brown & Boehning
Howard, Lon (Slate)
Pearson, J. C. & S. (Slate)
SHERIDAN—McCarthy, Wm. B.
Scott, Geo. W.
SOUTH BEND—Folsom, Chas. G. Mfg. Co.
Huber, Andrew & Son (Gravel & Comp)
Lauber, J. C. & Co.
Melkus, Carl
Meyer, G. E. & Son (Slate & Tin)
Sibley, I. A. (Slate & Tin)
Zeltner Bros.
TERRE HAUTE—Austin Hardware Co.
Bukenhofer, Thos., 1847 Wabash av
Deady, Patrick F.
Dudley, A. W. & Co.
Fenner, S. L. Hardware Co., 1200 Wabash
Fromme, A., 1701 S 7th av
McAdams, John (Slate & Tin), 1409 S 2d
Manion, John (Slate & Tin), 905 Main
Moore, John T. (Slate & Tin), 725 Wabash
O'Connell, James F.
Smith, C. C. Sons Co. (Slate & Tin), 30 Wabash
Townley Hardware & Stove Co. (Slate & Metal), 429 Wabash av
TROY—Lindauer, Anton
UNION CITY—Kerr, John F.
Shank, K. & W. A.
VALPARAISO—Patrick, J. H. & Son
VEVAY—Goldenburg, W. F. (Metal), 412 8th
VINCENNES—Dubois Bros.
Lauby, C. W.
Smith's, N. Sons
Watson, H.
WABASH—Carpenter Bros.
King, McNamee & Hipskind
Lawrence, Russell
Wabash Cornice Works
WASHINGTON—Carnahan, M. J. Co.
Hatfield & Palmer Co.
WINCHESTER—Hoffman, D. E. (Slate)
Smith, Geo. W.

IOWA.

ACKLEY—Carstens Bros.
ALBIA—Barger, C. S.
Duncan & Duncan
ALGONA—Robinson, J. W.
ANAMOSA—Scott, W. B.
AUDUBON—Hoover, G. W.
BOONE—Deering, Chris.
Johnson Hdw. Co.
Noland, L. C.
Wheelock Hardware Co.
BURLINGTON—Forney, J. H.
Haffner, Chas.
Hillen, C. F.
Kaut & Kreischbaum
Kriechbaum & Deweis
McMillan, E.
Scott, J. M. & Co.
Wagner, J. F.
Woellhaf, Otto J.
Woepking, Theo.
CEDAR RAPIDS—Ring Bros.
Swab, C. H. & Co.
Warner, Clinton D.
CENTERVILLE—Goss, Joseph & Son
Peatman, C. A.
CHARITON—Ensley, G. W.
CHARLES CITY—Snyder Bros.
CLARENCE—Jons, Henry A.
CLARINDA—Spring, John
CLINTON—Armstrong, C. E. & Co. (Slate, Calnan, W. H. Iron & Tin), 228 5th av
Dean, M. J. & Co.
Hansen, H. C.
Nootbar, Henry
Stukas, C. E. & Son
Union Roofing & Mfg. Co.
Wulf, Peter C.
COUNCIL BLUFFS—Amy, W. S.
DeVol, P. C. Hardware Co.
Jones, H. E.
Petersen & Schoening Co.
Spencer, F. A. Furnace & Sheet Metal W'ks
CRESCO—Lomas & Farnsworth
Strayer, E. C.
CRESTON—Edgerton, E. E.
Patt, Jas. H.
DAVENPORT—Brauch, John C.
Davis & Wright
Detlefsen & Moeller
Hipwell, Chas. G. (Slate, Metal, etc.)
Kuehlcke, Herman
Lerch, A. J. Co., 120 W 3d
Reimers, Peter A.
Schebler Bros.
Weidner, Wm., Jr.
Wriedt, E. F. & Son
DECORAH—Ridne & Istad
DENNISON—Romans, J. B. Co.
DES MOINES—Backman Steel Metal Wks
Barrick & Son (Asphalt, Slate & Metal), 911 Walnut
Drake Roofing Co. (Gravel & Slate), 210 5th
Fischer, John
Fisher, Frank (Metal & Slate), 714 Locust
Kurtz, L. H. Co. (Metal), 600 E Grand av
Nelson, A. V. Co., 600 E Grand av
Nichols Roofing Co. (Gravel, Composition & Asphalt), 200 W 4th
St. John & Barquist Co. (Slate, Gravel, Tin, etc.), 418 8th
Sheldon, Geo. W., 811 Locust
Steel Roofing & Stamping Works (Metal), 506 Jefferson

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DUBUQUE—Gruber, W.
Jonas, D. J.
Key City Roofing Co. (Gravel & Asphalt)
Klauer Mfg. Co. (Slate, Tile & Metal), 1351 Iowa
Lalley, James
Lyons & Lyons (Slate & Metal), 172 Main
Oswald, Chas. J.
Ris, J. F. & Bro. (Metal), 648 Main
Schlenker, Paul
ELDORA—Stauffer, Chas. F.
ELKADER—Brown & Bahr (Gravel)
ESTHERVILLE—Jewell, J. B.
FAIRFIELD—Gaines Bros.
FORT DODGE—Vincent, Harry S.
FORT MADISON—Barbour, E. C.
Cooney, H. C.
Yotter & Yachel
GRINNELL—Miles, G. L.
HARTLEY—Messer, E. B. & Son
IDA GROVE—Sauer, Martin
INDEPENDENCE—Allen & Simmons
Plane, I. C.
INDIANOLA—Farley, Geo. T. & Co.
IOWA CITY—Cochran, M. H.
Marsh Bros. (Slate & Metal)
Miller & Miller
JEFFERSON—Bofink, Chas.
Brandon, Geo. F.
KEOKUK—Buss Roofing Co.
Geiger, Aug.
Seither & Cherry Co.
Vollers, Frank
KNOXVILLE—Ashton, Henry
Little, C. F. & Son
LAKE MILLS—Styve Bros.
LE MARS—Edmunds, D. R.
Haas, C. E.
LIVERMORE—Leighton, J. W. (Metal, Rubber & Gravel)
Reilly, P. & Son
LYONS—Heupel, Wm.
Magnussen, C.
MALCOLM—Vogel, W. F.
MANCHESTER—Carhart & Nye
Whitney, H. F.
MAQUOKETA—Ringlep Hardware Co.
Trout & Matthais
MARENGO—Dean, J. M.
MARSHALLTOWN—Abbott & Son (Steel & Tin)
Heins, Edw. (Slate, Steel & Tin)
Mack, Perry L.
Painter, W. R.
MASON CITY—Currie Hardware Co.
Mica Insulating Co. (Gravel)
Miles Hardware Co.
MISSOURI VALLEY—McGavren, J. R.
MORNING SUN—Selzer Bros.
MOUNT UNION—King, H. G.
MUSCATINE—Fisch, Geo. B.
Herr, Nicholas
McQuesten & Sawyer Co.
Thompson Bros. Co.
NEW HAMPTON — Garmen & Forkenbrock (Slate & Metal)
NEWTON—Baldwin, F. P.
Failor, H. J.
Griebeling, C.
Scharf, Chas.
Seeberger, Chas.
NORTHWOOD—Ofthus, J. K.
OELWEIN—Perry, Edson
OSAGE—Kingsbury, J. B. & Co.
Miniger, H. A.
OSKALOOSA—Iowa Mfg. Co.
OTTUMWA—Harper & McIntyre Co.
Kohl, Wm.
McCarroll Bros. (Slate & Metal)
McIntyre, W. A. & Co., Main st
Randall, F. M. & Sons
PELLA—Van Zante Bros.
PERRY—Gilbert, T. J.
Miller Bros.
RED OAK—Maloney Bros.
ROCKWELL CITY—Dixon Bros.
SAC CITY—Bauer, W. P.
SHELDON—Chase, H. F.
Messer, E. P. & Son
SIOUX CITY—Eidt, Julius
Falkenhainer, Geo. B.
Hamlett Son & Co.
King, Thos. A.
Orentt Co., 1012 4th
Snell, J. H. & Co.
SPENCER—Bisbee, J. L.
Leach & Thompson
STATE CENTER—McMahon, J. L.
Schilling Bros. (Slate, Comp. & Gravel)
TOLEDO—Conant, A. H.
VILLISCA—Banes, J. S.
Jones, F. F.
VINTON—Allen & Gilchrist
Robinson, S.
WALCOTT—Wunder, A. C. L.
WAPELLO—Bettler, Chas. L. & Son
WASHINGTON—Stewart, Geo. W.
WATERLOO—Bachtell, Harry
Berkley, C. M.
Cutler Hardware Co.
Julien, Wm.
Kramer, U. G.
Schiel, Jas A.
Waterloo Lumber Co.
WAVERLY—Curtis, S. H. & Co.
WEBSTER CITY—Mason, F. B. & Son
WEST UNION—Hoyt, Fred E. (Metal)
WINTERSET—Benge, J. E.
WOODBINE—Young & Sweet

KANSAS.

ABILENE—Hodge Bros.
ANTHONY—Costa, Jas. J.
ATCHISON—Klostemeier Bros. Hardware Co. (Slate & Metal)
Klostemeir Bros. (Slate & Metal)
Walcott, H. O. (Slate & Metal)
Weinmann, C. F.
CHETOPA—Lyon Bros. (Asbestos, Tin & Ruberoid)
COFFEYVILLE—Ashby, A. F. Hardware Co.
COLUMBUS—Scovell, H. A.
CONCORDIA—Robinson & McCrary
COUNCIL GROVE—Gibson & Davidson
Snider, J. F.
EL DORADO—Pattison Bros.
Turner, C. L.
EMPORIA—Haynes Hardware Co.
Hoffer & Lepper
Knapp, O. H. P.
Peters Hardware Co.
EUREKA—Stuelpner, Max
Young, S. P.
FORT SCOTT—Brunny, John
Congdon, D. C. (Slate & Metal)
Crane, C. C. Hardware Co.
Penniman, A. C. & Son (Gravel & Tar)
GALENA—Schmidt Bros.
GARFIELD—Waymire, N. O.
GIRARD—Hertner, H. E. (Slate & Tin)
Hitch, W. S.
GLASCO—Davidson & Co. (General)
GODDARD—Linnebur, H. C.
GREENLEAF—Thinness Bros.
HIAWATHA—Amann, G. & Son
HUTCHINSON—Carr, E. L.
Nelson Bros.
INDEPENDENCE—Mibeck, G. F.
Schmidt, Peter
Wentworth, F. B.
IOLA—Root, W. H.
Shannon, T. B.
JUNCTION CITY—Barker, E. E.
Muenzenmayer, J. J. & W. F.
KANSAS CITY—Bartlett, F. W. & Son, 588 Minnesota av
Bentz, Jos. J.
Cashman & Beard, 438 Minn. av
Eagle Metal Works
Fults, A. W. Hardware Co., 849 Minn. av
Garnier, A., Jr.
Gille & Plank, 619 Kans. av
Hance, P. R., 753 Minn. av
Harmon & Beeler
Haskell Bros., 522 Minn av
Hatton Bros., 11 N 10th
Joyce, P. J.
Kasther & Smith, 707 N 6th
Kurtz & Neher
Laughlin, J. C., 33 S James
Major Bros., 720 Kans. av
Muir, J. L.
Powers, J. H., 655 Kansas av
Pulver, Frank, 900 Ohio av
Reyburn, Joseph
Strobel, Theo., 816 Osage
Timmer, Joe Hardware Co., 11 Central av
Voss, John W., 1810 N 5th
Walton, Emanuel, 706 Central
Wright, Wm. J., Jr., 743 Minnesota av
LARNED—Doerr, A. A.
Grennell, Wm.
Shady Bros.
LAWRENCE—Bennett, F. H.
Broeker, H.
Grayson & Reinisch
Munk, Edw.
O'Brien & Co.
Shaw, Alex. & Son
LEAVENWORTH—Hoffman, S. C., 713 Shawnee
Meincke, J., 507 Cherokee
Reyburn, T. T., 5th c Cherokee
Varney Htg. & Mfg. Co. (Metal), 323 Cherokee
Zeitz, G. F., 117 N 3d
LITTLE RIVER—Kaufman, J. D.
McPHERSON—Nelson, F. E.
Sellars, Geo. A.
Sellars, Wm. A.
Street, F. D.
MINNEAPOLIS—Agnew, S. J.
MITCHELL—Hindes, W. P.
NEWTON—Bachman, Chas. A.
Bergh, Wm. (Slate & Metal)
NORTH TOPEKA—(See Topeka)
OBERLIN—Colt, J. B. Hardware Co.
OTTAWA—Elder Mercantile Co. (Asbestos & Tin)
Petit, J. C.
Smith, O. H.
PARSONS—Buckley Hardware Co.
Doughman & Rust
Roush, E. D.
Steele Hardware Co. (Gravel & Comp.)
PHILLIPSBURG—Smith, Theo. & Son
PITTSBURG—Bagley, J. P.
Beasley & Miller (Slate, Metal & Gravel)
Mosteller & Clark
SALINA—Kastner, Chas. & Co.
TOPEKA—Baird, J. M., 216 W 6th av
Forbes, D. H., 616 Kansas av
Foucht, J. H., 825 Kans av
Johns, Halterman & Co.
Mood Plumbing & Heating Co.
Nussbeck, Jno. G.
Peterson, A. J., 1109 E 6th av
Seybold, G. E.
Seybold, J. H.
Sutherin, Geo. W. & Co.
Van Dorp, Louis (Slate & Metal), 828 Kansas
WICHITA—Buckley, Fred.
Butler, H. R.
Caswell & Hartsell
Dermody Plumbing & Heating Co.
Ketzler, Eugene F.
Reitz, F. J.
Stocker, O. B.
WINFIELD—Dixon & McConn

KENTUCKY.

ASHLAND—Coburn, S.
Henderson Hardware Co.
Karnap, Henry
Phelps, F. K.
AUBURN—Satterfield, E. W.
AUGUSTA—McKibben, Bert.
BARDSTOWN—Hart, M. S.
Wallace, Claude
BELLEVUE—Schaufele, William
Wagenlander, August
BOWLING GREEN—McNamara, Jas.
McNamara, Jas.
CAMPBELLSVILLE—Buchanan, T. W. & Co.
Burress, J. H.
Hiser, Bunnell
CARLISLE—Powell, J. G.
CARROLLTON—Burckle, W. P.
CATLETTSBURG—Ely, Charles W.
Mims, A. Co.
Williamson Hardware Co.
COVINGTON—Collopy, P. J.
Covington Roofing Co.
Fischer Bros. Co.
Glaser, Wm. A. Roofing & Cornice Work
Gottschalk, F. S. Sons. (Slate & Metal)
Hesselman, Herman
Jones, J. L. Co.
Manwaring, Thos.
Rasch's, C. F. Sons (Slate & Metal)
Wachs, Wm. & Sons
Walterman, Nicholas H.
CYNTHIANA—Colegrove & Reid
Ingles, W. H.
DANVILLE—Chestnut-Salter Hardware Co.
Durham & Scott
DAYTON—Hermann, Martin (Slate & Metal)
Poos, John
ELIZABETHTOWN—Wintersmith's, R. L. Sons
EMINENCE—Koenigstein, J. J. E.
FLEMINGSBURG—Hammer, H. O.
FRANKFORT—Breslan, J. J.
Miller, George W.
FULTON—Huddleston, A. & Co.
Nolan, I. R.
GLASGOW—Satterfield, P. R. & Co.
Shader, T. M.
HARRODSBURG—Adams, Jno. H.
Reed, W. H.
HENDERSON—Harding & Felx
Wallace, J. H. (Slate & Tin)
HOPKINSVILLE—Adwell & Stowe
Ballard, H. C.
Forbes Mfg. Co. (Slate, Gravel & Metal)
McShane, Hugh
Young, John (Slate & Metal)
LA GRANGE—Fischer & Son
LEBANON—Clements & Abell
LEXINGTON—Bitterman, Edw. & Son, 27 Main (Slate & Metal)
Cholvin, J. C. (near)
Payne, Geo. F.
Sharp, Geo. B.
Smith, Watkins & Co.

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Trowbridge, Thomas A.
Van Deren Hdw. Co.
White, H. A., 47 W Main
Woodruff & Co.
LOUISVILLE—Abraham, M. Roofing Co. (Felt, Asphalt, etc.), 101 W B'way
Bates, J. W. Roofing Co. (Felt & Gravel), 819 Main
Birkel, Fred, 2203 W Market
Blacker, Eva W., 314 E Jeff
Bohlson, Henry, 2121 Preston
Bohn, George P., 205 E Jefferson
Bott, Henry J., 1017 Christy av
Conen, H. J. (Metal), 1010 7th
Conn, Geo., 2824 Cleveland av
Daringer, Hy., 716 E Green
Ellis, G. D., 1223 21st
Everett, J. Guy (Metal & Slate), 1123 W Market
Fink, P. & Sons, 315 1st
Fronmiller, John, 1612 E Main
Garrett, B. F., 723 10th
Geher, Fischer & Co., 323 2nd
Heartick, E. C. (Metal), 1308 Preston
Hebner, Fred, 911 E Gay
Horn, Joseph F., 904 E Madison
Hurvitz, Harris, 349 E Jefferson
Imperial Wire Iron & Roofing Co. (Asphalt, Pitch, Felt & Gravel), 221 W Market
Kaufer, Joseph, 416 33d
Keller, Martin, 2304 W Broadway
Kirch, Henry A., 1203 Mulberry
Kraus, Hy., 732 Shelby
Krauth, H. P. & Son, 1301 Baxter av
Lindenmaier, J. A., 1234 18th
Louisville Cornice Roofing & Heating Co. (Tin & Slate), 226 10th
Mayfield, S. A., 753 E Main
Miller, L. C., 804 26th
Miller, P. & Son (Metal), 917 E B'way
Nalty, S. J., 1849 Portland av
National Roofing & Supply Co. (Asphalt, Pitch, etc.), 140 W Main
Obrecht, Wm. F., 3519 4th
Paine Bros.
Paine, C. H. (Metal), 323 West P
Paine, W. H. & Son, 1453 18th
Pfister, Leo, 2506 (a) W Market
Ramser, Chas., 603 W B'way
Ramser, Edw. (Metal), 3116 4th
Ramser's, Geo. Sons, 1027 3d
Ransdell & Jutz, 834 E Market
Reck, John, 1626 W Main
Roth, Alfred N., 1403 Story av
Schott, Charles W., 755 E Green
Schreick, Jacob & Co., 1406 Preston
Sikking, J. E., 2813 Dumesuil
Sikking, T. A., 234 W Green
Smith-Porter Roofing Co.
Southern Roofing & Paving Co., 1006 W Main
Staeuble, C., 1106 Frankfort av
Standard Roofing Co., 1126 Preston
Sullivan, Owen M., 1912 12th
Troxell, S. F. Co. (Felt, etc.), 108 3d
Wagner, H. J., 1600 7th
Wagner, Joseph F. & Sons (Slate & Metal), 603 E Jefferson
Wesbecker, Jos., 714 12th
Wobbe, F. H., 741 E Jefferson
Wulff, W. C. & Co. (Slate, Tile & Metal), 603 E Jefferson
Zeller, M., 1611 Clay
LUDLOW—Buchanan, David S.
MADISONVILLE—Bourland & Moore
Harned, R. L.
MAYSVILLE—Leonard & Lally
McClenahan & Shea
Power, W. F.
NEWPORT—Ehinger, Jos.
Letcher, Henry
Listerman, Jno.
Ochs, George J.
Reden, Henry
Reder, Henry
Rust, L. & Son
Schweikert, J. N.
Wagenlander, F. & Co.
OWENSBORO—Frederick, J. C. (Tin & Slate)
Guenther, W. A. & Sons (Tin & Slate)
Holbrook, R. R.
Killian, P. F.
PADUCAH—Clayton, T. H.
Davis, G. R. & Bro. (Slate, Granite & Metal)
Fowler-Wolfe Sheet Metal Works
Hank Bros.
Maret, John C. (Slate & Tin)
Miller, C. J.
Scott, W. D.
PARIS—January & Connell
Lowry & Talbott
PRINCETON—Maret, H. T.
Ratcliff, Charles
Rucker & Edwards
PROVIDENCE—Benjamin, J. B.
RICHMOND—Taylor & Oldham
SHELBYVILLE—Casey, J. M.
Owen & Moore

LOUISIANA.

BATON ROUGE—Gessell, Frank
Williams, M. J.
DONALDSONVILLE—Scharff, H. & Son
HOUMA—Babin, Teles
JEANERETTE—Jeanerette Hardware Co.
JENNINGS—Smith, J. M.
LAFAYETTE—Graser Bros.
LAKE CHARLES—Baird, W. E.
Braden, C. M.
Murray-Brooks Hardware Co.
LAKE PROVIDENCE—Fousse, N.
MONROE—Moore, J. L.
MORGAN CITY—Boutterie, Vic.
Shannon Hardware Co.
NAPOLEONVILLE—Blanchard Bros.
NEW IBERIA—Ribbeck Mfg. Co.
NEW ORLEANS—American Sheet Metal Works, S Carrollton av & Edinburg
Anderson, Alfred, 713 Carondelet
Annan, A. Hill (Slate), 510 Carondelet
Appel, John, 935 Julia
Becker, J. Frederick, 2027 Magazine
Blanke's, Henry H. Sons, 2353 Tchoupitoulas
Blessey, F. H., 4701 Magazine
Brady, Dennis, 1763 St. Charles av
Dendinger, Jacob, 352 St. Joseph
Downey, Richard J. Co. (Slate), 509 St. Charles
Frederick, Hugo H., 929 Tchoupitoulas
Gerber, Jacob, 1623 Dryades
Gulf Galvanizing & Metal Works, 1229 Carondelet
Hamburger, John, 3143 Dauphin
Harry Bros. Co., S Carrollton av & Edinburg
Haubert, Philip, 3820 Dauphine
Heiny, Frank, 904 1st
Holzer, Rudolph G., 317 Burgundy
Ibos Bros., 522 Chartres
Jones, J. Wilton, 612 Bienville
Kelly, James, 728 Magazine
Kleinschmidt, Geo., 3531 Baronne
Lemley, David (Copper & Metal), 355 Barrone
Levy, Emile D. Co., 1525 Dryades
Louisiana Boiler & Sheet Iron Works, 2344 Euphrosine
Louisiana Roofing Co., 407 Tchoupitoulas
Lubben, John, 115 Magazine
Mesa & Weitham, 1744 Erato
Munchow, Emile (Slate), 800 Louisiana av
National Blow Pipe & Mfg. Co., 632 Tchoupitoulas
Nelson, A. J. Mfg. Co. (Ltd.), Howard av c Dryades
New Orleans Roofing & Metal Works (Metal, Asphalt & Gravel), 936 Lafayette
Redmond, B. V., 340 Chartres
Reppel, Chas., 1060 S Rampart
St. Germes, Bertrand, 730 Touro
Steffens, L. A., 474 Josephine
Troy, Gus, 1123 Josephine
Twickler, Wm., 4530 Magazine
Whitney Supply Co. (Comp.), 200 S Peters
Zansler, Edw. L., 325 Decatur
SHREVEPORT—Adams & Son (Tin & Slate)
Bain, H. H.
Wortman, E. (Tin & Slate)

MAINE.

ANDOVER—Smith, Fred. S.
AUBURN—Elms, James
Haskell, L. W. & Co.
AUGUSTA—Cogan, J. H. & Co.
Malcolm & Dyer
Taber & Reid
BANGOR—Clement, Carter & Co.
Gould, J. P.
Leighton Plumbing & Heating Co.
Reilly, R. J. (Slate & Metal)
Semple, S. T.
BAR HARBOR—Green & Reynolds Co.
Lawrence, A. E. Co.
BATH—Barton, G. H. W.
Rogers, C. W.
Watson, W. H.
Winslow, J. A. & Son
BELFAST—Mitchell & Trussell
Mitchell & Trussell
Stickney, J. B.
Wright, C. L.
BIDDEFORD—Anthoine, George A.
Anthoine, Geo. A
Lowell, John B.
BINGHAM—Lander, J. J. & Co.
BLUE HILL—Stanley, I. E.
BOOTH BAY HARBOR—Holton, W. T.
Lake, J. H.
BREWER—Woodbury, S. H. & Co.
BROOKS—Lane, Otis W.
BRUNSWICK—Furbish, B. L.
Ridley, Geo. B.
BUCKSPORT—Beazley, E. L.
CALAIS—Huson, J. A. (Gravel)
CAMDEN—Bowers, J. W. Co.
CARIBOU—Briggs, Samuel E. & Son
CASTINE—Stover, F. N.
DAMARISCOTTA—Keene, W. W. & Son
DEXTER—Crockett & Tilson
DOVER—Lander, J. Q.
EASTPORT—Martin, E. S. & Son
Spates, W. T.
ELLSWORTH—Morrison, Joy & Co.
FAIRFIELD—Totman, A. H.
FARMINGTON—McLeary, Wilfred
FORT KENT—Dugal, A. L.
FREEPORT—Brewster, J. A.
FRYEBURG—Page, Seth A. & Co.
GARDINER—Kelley & Wheeler
GORHAM—Brown Bros.
GUILFORD—Page, Spearing & Co.
HALLOWELL—Church, John W. & Son
HOULTON—Smith Bros.
ISLAND FALLS—Berry, C. M.
KENNEBUNK—Lunge, Harry E.
KENNEBUNKPORT—Wells, Alfred M.
KEZAR FALLS—Mason, Geo.
LEWISTON—Chas. J. H. Co., 191 Lisbon
Goss, A. L. & H. F.
Guilmet Co.
Howard, A. A. (Slate & Gravel), 36 Spring
Pratt, T. L., 183 Lisbon
Stetson, J. H. Co. (Slate & Metal), 65 Lisbon
LIBERTY—Knowlton, J. L.
LISBON FALLS—Bailey, Charles E.
LUBEC—Trecartin Bros.
MACHIAS—Bowker, F. W.
Crane Bros.
MECHANIC FALLS—Hawkes & Whitney
MILLBRIDGE—Burnham, F. W.
Shaw, William
MOUNT VERNON—Fellows, Chas. O.
NEWPORT—Deering, R. A. & Son
NORWAY—Crooker, James O.
PITTSFIELD—Getchell, T. E.
Lancy, T. G. & Co.
OLD TOWN—Godfrey, F. N.
ORONO—Park, F. C.
PORTLAND—Alexander, A. R., 22 Monum't sq
Bourne, M. B. & Son (Slate), 33 Temple

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Hersey, Elias Roofing Co. (Felt Composition & Gravel), 22 Monument sq
Hollivan & Parker (Gravel & Asphalt), 56 Cross
Hutchinson & Cain (Metal), 438½ Fore
McBrady, J. E. & Son (Metal), 229 Federal
Nash, F. & C. B. Co., 386 Fore
Nash, O. M. & D. W., 6 Exchange
Scott, Wm. H. Co. (Metal), 29 Union
William, C. G. B.
RICHMOND—Haynes, J. & Sons
Rogers Bros.
ROCKPORT—Libly, A. & Son
SACO—Lord, A. T. & Son
SANFORD—Huff, Geo., W Main
SKOWHEGAN—Ross, C. A.
Stewart Hardware & Plumbing Co.
Wood, F. A.
SOUTH BERWICK—McIntire, D. E.
SOUTH PARIS—Richardson, J. P.
SOUTH PORTLAND STATION—Tilton, C. A. & Co.
SPRINGVALE—Makin, J. H.
THOMASTON—Webber, M. E.
WALDOBORO—Curtis, C. H.
Richards Bros.
WARREN—Jameson, E. E.
WATERVILLE—Arnold, W. B. & Co.
Hanson, Webber & Dunham
WESTBROOK—Knight Bros. & Co.
WOODFORDS STATION—Crockett & Gordon
Cutts & Boyman
Madsen & Allen Co.
Wheeler, F. E.

MARYLAND.

ANNAPOLIS—Carr, W. H.
Granite Plastic, Slate & Slag Roofing Co. (Plastic Slate, Metal, Slate Tile, etc.), 882
Wilson, C. A. L.
BALTIMORE—Appler, Henry, & Sons, 52 S. Carrollton av
Armstrong, E. A., 18 N. 1st, E
Baltimore Roofing & Coal Tar Co. (Asphalt, Gravel & Comp.), 1215 Leadenhall
Banks, W. H. & Sons, 405 Druid Hill av
Baugher, Joshua W., York rd, opp. Homeland av
Beever, John R., 648 Ensor

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Bennett Bros., 523 N. Fremont av
Bell, Joseph T., 2001 Edmondson av
Berry, Bernard H., 244 Pearl
Betzel, W. F., 427 N. High
Bien, John, 718 S. Ann
Bley, J. H., 1522 N. Carey
Biden, James (Slate, Slag, Metal, Comp., etc.), Pratt & Parkin
Bracken, J. F., 124 Richmond
Brown, G. W., 1017 Greenmount av
Burrows & Broderick, 1539 Maryland av
Carter, H. G., 1909 Folk av
Chesapeake Plbg. & Tin Co., 1201 Hau-
Coath, Wm., Jr., 1636 E. Preston bert
Clarke, Wm. Wirt, & Son, 546 Monument
Clifton Cornice & Skylight Works, 427 N High
Cotton, Wm. E., 1600 Harford av
Crandell, R. A., 1112 W Baltimore
Crout, W. F., 1121 Patterson av
Cunzeman, John, 1723 Bank
Dailey, Chas. J., 1121 W. Baltimore
Dawes, J. S., & Co. (Slag, Gravel & Slate), 782 W. Pratt
Deal & Gorsuch, 1731 Harford av
Denker, Herman, 2011 Fkd. av
Dorries, C. H., 2413 Orleans
Eberle, J. A., & Son, 860 Linden av
Ebert, George, 101 N. Patuxent
Eckhoff, John P., 3 N. Exeter
Eckman, Harry, Frederick & Payson
Ellis, Luke J., 218 S. Sharp
Engleman, Chas. J., 935 W. Fayette
Eurich, Henry, 2302 Boston
Eurich, Wm., 2208 Boston
Feldstein, Israel, 905 E. Lombard
Fingles, James A., 726 Light
Fingles, Wm. A., 1523 Maryland av
Fitzberger, T. Frederick, 213 Park av
Fleming, Lewis, 2334 Pa. av
Foy, Edw. L., & Co. (Asphalt, Gravel, Comp. & Felt, Slate & Tile), 16 W. Camden
Frederick, M. J., & Bro., 317 Park av
Fricke, John H., 205 S. Bond
Gail, H. W., 580 N. Gay
Garthe, Wm., Co. (Slate, Metal & Tile), 1527 Maryland av
Geiger, George, 2053 Bank
Genasco Roofing Co., Bayard & Warner
George, Conrad, 924 S. Sharp
Gibson, S. S., 601 N. Payson

GILMAN SNOW GUARD
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Govanstown Htg. & Plbg. Co., Govans
Grasser, John G., 316 S. Eden
Guetler, Geo., Belvidere av., nr. Falls rd
Guilfoy, James C., 16 W. 20th, N.
Guarantee Roof & Metal Pt. Co., 307 North
Haas, Alex. D., 508 Burgundy al.
Hagerty, Patrick J., 1618 Thames
Hartman, A. N. (Slate & Tile), 207 W. Saratoga
Haupt, John M., 205 N. Gilmor
Hetzel, John G. & Son (Metal), 225 N.
Hicks, C. A., 911 3d av, N. Howard
Hill, Harry W., 1812 Fkd. av
Hoffman, John W., 673 W. Fayette
Irwin, John, 1144 York rd
Ittner, Jacob F., 1627 Fkd. av
Hopper, W. H., 1817 Harford av
Kaestner, E. A., 516 N. Calvert
Kahlein, Fred'k, 1121 Carroll S
Kaiser, E. W., & Sons, 1408 Orleans
Kaiser, Geo. J., 206 Fkd. av. ext
Keiner, John, 410 S. Bond
Kintop & Brenneis, 113 Clay
Kirschenhofer, Louis, 1032 N. Gay
Kirwan, Wm. T. A., 10 W. Fort av
Klein's, A., Sons, 1114 Linden av
Kohlhepp, A., 404 N. Howard
Kolscher, J. F., 740 W. Saratoga
Kraus, C. C., & Co., 1337 W Lombard
Kraus, H. M., 2338 Pa. av
Kreb, John H., 130 Amity
Leamann, Fred'k C., 1026 Hillen
Leffert, J. Geo., 215 W Saratoga
Lenderking, Louis, 816 Ridgely
Lenderking, Philip H., Jr., Dillon, cor. Patuxent
Letmate, J. Fred., & Sons, 728 Penna. av
Levy, I., 1019 E. Lombard
Lloyd, Wm. H., 1405 Presstman
Lock, Daniel A., 620 W. Cross
Loomis, F. L., 719 Hanover
Lowrey, J. F., 826½ W. Baltimore
Maryland Roofing Mfg. Co. (Slag, etc.), 2101 Boston
Markolf, Geo. H., 705 Gordon av
Miller, J. F., 1511 W. Baltimore
Millar, Wm. J. S., 856 W. North av
Miller, W. H., 614 W Barre
Mills, E., Jr., & Co., 27 W. Biddle
Mixter, J. S., 1004 5th av, N
Moss, Morris L., 38 S. Eden
Mueller, Michael, 2601 E. Fairm't av
Mullenberg, Chas. H., 420 W. Lanvale
Mulliken, B. F., 1017 Hillen
Nagel & Briers, 201 Hill
Neighoff, Francis M., 113 Stafford
Noble, H., & Co. (Asphalt, Gravel, etc.), 623 S. Caroline
Northwestern Cornice Wks., 1506 Pa. av
Ohm, Wm., 115 N. Greene
Parsons, N. E., & Son, 910 3d av, N.
Peters, Joseph, 3318 E. Baltimore
Plumshoff, H. G., & Co., 340 N. Calvert
Popple, Harry F., & Co., 1822 Harford av
PRUDEN, C. D. CO. (Sheet Metal Works), Warner, Bayard & Dock. (See adv. index, end of book)
Renna, Chas. C., 883 W. Franklin
Ritterhoff Ernest, 1157 Balto.
Rode, F. H., 1929 E. Fayette
Rubber & Asbestos Roof Painting Co., 544 N Calvert
Russell, G. W., 238 S. Strickler
St. Paul Plbg. & Htg. Co., 2439 St. Paul
Sauerland, A. P., 1101 Pa. av.
Schneider, F., 1740 Canton av
Schneider, H., 2007 Clifton av
Schoenberger, Henry, 1304 N. Gay
Schultz, E. W., & Sons, Cent. av. & Sellman, J. H., 2224 York rd Jackson
Sellman, Niles P., 1416 Pa. av
Share, Albert, 1429 E. Eager
Simon, Adam, & Son, 1310 E. Eager
Sinclair, James M., 1001 York rd
Sinclair, W. W., 1042 York rd
Sindall, John P., 2706 Elliott
Smick, Hy. (Slate & Tile), 1846 N.
Thaler, George J., 802 N. Gay Wolfe
Todd, Geo., 1314 N. Central av
Trotter Bros., 305 E. Preston
Valle & Young, 216 N. Calvert
Wachsmuth, Chas., 935 S. Charles
Walker, William E., 1307 Edmondson
Ward, Wilbur F., 20 W. Pratt av
Weems & Thoms, 1319 Highland av
White, Robt. W., & Son, 1328 Pa. av
Wiegel, G. W. C., 1500 Penna. av
Wilhelm, J. Frank, 748 Pa. av
Wilhelm, Wm. H., 633 W. North av
Wilkinson, O. A., 929 Bolton
Winchester, J. H., 826 N. Gay
Zeller, W. F. & Co., 1119 Denver
Zimmers, A. M., 1808 Frederick av

CAMBRIDGE—Anthony, J. R. & Co.
CATONSVILLE—Fisher, George
Wilson, Frank
BEL AIR—Brown, Charles C.
Heuer, Wm. W.
COCKEYSVILLE—Kraus, L. P.
CUMBERLAND—Gessner, Geo.
Habig & Stegmaier
Langer, William
Morehead's, Wm. Sons
Rizer, Charles L.
Thumel, Theodore
Wolz, J. L.
Zilch, J. G.
EASTON—Harnett, W. J.
ELKTON—Alexander & Son (Tin, Iron & Felt)
Boulden, H. R.
ELLICOTT CITY—Fisher, C. C.
Meads, Jas. F.
EMMETTSBURG—Adelsberger, J. M. & Son
Hays, J. T. & Sons
FREDERICK—Fox, L. M.
FROSTBURG—White, Robert, Jr.
Wolf & Sons
Wolfe, Mrs. C. E.
HAGERSTOWN—Boward, Louis D.
Carlisle, R. B.
Danzer Metal Works
Hoch, H. K.
Miller, J. Z.
Saum, E. K.
Wagner, Harry R.
HAVRE DE GRACE—Case, N. B.
Murphy, John T.
Sanders, W. M.
LAURAVILLE—Buchwald, Paul R.
PORT DEPOSIT—Stephenson & Reynolds
REISTERTOWN—Brown, J. V.
Gormley, J. W. & Son
ROCKVILLE—Viett, Henry
SALISBURY—Dorman & Smyth Hdw. Co.
Gunby, L. W. Co.
UNION BRIDGE—Hollenberger, John M.
WESTMINSTER—Gilbert & Gehr
Grumbine, W. H.
Westminster Hdw. Co.
WILLIAMSPORT—Herbert, Sarah E. (Mrs. I
Reichter, E. E.

MASSACHUSETTS.

ADAMS—Weston, L. A.
AMESBURY—Brown, Leonard
Mulligan, Patrick J.
ANDOVER—Welsh, Wm. H. & Co.
ARLINGTON—Shattuck, R. W. & Co.
ASHBURNHAM—Marble & Gilson
ASHLAND—Enslin, Franklin & Co.
ATHOL—Fisher, W. C. (Slate)
Lee, Samuel, Athol Centre
Smith, C. E., Athol Centre
Ward, A. T.
ATHOL CENTER—Lee, Samuel
Smith, C. H.
ATTLEBORO—Brownell Hardware Co.
Gay, Irving M.
Jones, Richard H.
Perry, N. & Co.
AUBURNDALE—Gammons, R. F.
Walker, E. A.
AYER—Fillebrown, A. A. & Co.
BEVERLY—Hinkley, George F.
BLACKSTONE—Copeland, C. A.
BOSTON—Acme Roofing & Repairing Co., 11 School
Ahern, James & Son, 135 Hyde Park av
Albee, C. W., 6 Payson av, Dor.
Alger, C. W. Co., 189 Fort Hill sq
Anderson, Clas. & Co., 41 Way
Asphalt Roof Coating Co., 127 Federal
Badger, E. B. &Son Co. (Copper, Gravel & Tin), 67 Pitts
Banash, Hy. A., 82 Roxbury
Bannen, Jas. P., 81 Joy
Barnard, Geo. A., 166 Devonshire
Bates, W. N., Elastic Paint & Roofing Co., 26 Central
Belo, Max, 74 Brighton
Berry, Wm. B. & Co., 79 North
Binney, John & Son, 326 Atlantic av
Blacklow, N., & Son, 8 Friend
Block, Jacob, 93 Prince
Boston Furnace Co., 6 Portland
Boston Roofing Co. (Slate, Metal, Tar & Gravel), 21 Bromfield
Brainard, John C., 930 Tremont
Burgess, Robt. A., 34 Dakota rd, Dor.
Buchanan, Geo. J., 85 Commercial wf
Carlin, Wm. J., 18 Cambria
Carey, Arthur J., 23 Burrell, Rox.
Chandler, H. B. & Son, 9 Cambridge

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Cleaves, Stephen A., 631 Wash'n, Dor.
Connor, John P., 55 Sudbury
Cote & Cazeault, 35 Wareham
Crowley, A. F., 292 Main, Chas.
Daly, T. F., 389 Tremont
Desmond, Daniel J., 86 Endicott
Devine, C. (Slate & Metal), 18 Pitts
Dinan & Co., 83 Albion
Drennan, C. M., & Son, 67 Dundee
Driscoll, James F., 213 W 9th
Dugan, James F., 103 Clifton, Rox.
Eagles, L. A., 600 Dudley
Ely, J. B., & Co. (Slate, Metal & Gravel), 74 North
Evans, A. B. & Co. (Slate, Gravel & Metal), 19 River
Evans, James & Co., 22 Emerson
Farquhar's, John Sons (Inc.) (Slate, Copper Metal & Gravel), 22 Rus
Feeney, John, 15 N Grove
Feneno, B. & Co., 1480 Tremont
Felstead, Wm., 20 Blackstone
Finegan & Lumbard (Asphalt, Gravel & Slag), 89 Pear
Finn, D. E., 78 Revere
Flanagan, D. L., 490 Harrison av
Forrest, Alfred W., 464 Harrison av
Freundlich, Max, 2 Georgians
Gallagher, D. F., & Co. (Metal), 37 Commercial
Gettins, John P., 815 Tremont
Gillespie, J. Y., 708 Columbia rd

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Griffiths, Wm. J., 14 Brattle sq
Hackett, Wm. J., 57 Long wf
Harding, John W., 412 Main

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Harrigan, J., & Son (Slate, Metal, etc.), 111 Liverpool
Harrington, Eben, 278 Bennington, E. B.
Hawley, John G., 641 E. 4th
Hayden, Francis, 490 Harrison av
Hayden, Wm. O., & Co., 254 Gold, S. B.
Henderson, A. W., 636 Warren, Rox.
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Hobbs, H. S. & Son, 112 Harrison av
Hoffman, E. S., 642 Washington, Dor.
Houghton, J. F. & Son, 178 Green, J. P.
Hourihan, John J. (Slate, Metal & Gravel), 7 Walden, Rox.
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Kesselhuth & Co., 1 Eliot sq, Rox. bldg
Knights, Wm. H. (Slate, Metal, Tar & Gravel), 83 W. Concord
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Miers, Chas. J., & Son (Slate, Metal & Gravel), 142 Cambridge, Chsn.
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Ryan Bros. (Slate)
GROTON—Blood, F. M. & Co.
Blood, Geo. H. & Co.
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NORTH EASTON—Kelly, E. E.
NORWOOD—Foreman, Wm.
Huntoon & Co.
ORANGE—Hill, G. L.
Train, E. W. & Co.
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PALMER—Brown, E. Co.
PEABODY—Norton, Benj. F.
Sears, Frank L.
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WALTHAM—Carr, Frank C.
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WARE—Marsh Bros.
WAREHAM—Humphrey, Albert
WARREN—Keenan, J. H.
Maxim, J. W.
WATERTOWN—Morris, Edw. O. (Slate)
Walker & Pratt Mfg. Co.
WEBSTER—Bates, A. J. & Son
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WELLESLEY—Porter, F. H.
WESTBORO—Frost, Wm. B.
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ADRIAN—Baier, Jos. A.
Clauda, Paul
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ALBION — Granger, Hardware Co. (Metal & (Comp.)
Griffin, Geo. P. (Metal & Comp.)
Slowey, Wm. E.
ALLEGAN—Phillips Bros.
ANN ARBOR—Fischer, John C.
Muehlig & Schmid
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BANGOR—Camp, Fitz W.
Seymour, F. S.
BATTLE CREEK — Battle Creek Furnace & Roofing Co.
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BAY CITY—Bialy Hardware & Supply Co.
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Grove, Wm. J.
Hart, C. M. (Slate & Gravel)
Hershey, Frank
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Wilson & Wanless
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BENTON HARBOR—Colgrove, Wm. E.
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BIRMINGHAM—Blakeslee, J. B.
BLISSFIED—Timmins, P.
BOYNE—Reichert, J. L.
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BROOKLYN—French, Stuart K.
BURROAK—Hazzard, F. J.
CADILLAC—Johnson, John
CALUMET—Carlton Hdw. Co.
CARSON CITY—Hallett, John W. & Son
CASSOPOLIS—Fisher, Jno. W.
Hayden, W. B. & Son
CENTERVILLE—Pitts, L. W.
CHARLEVOIX—Bartholomew, L. D. & Co.
CHARLOTTE—Munger, J. W. & Son
CHEBOYGAN—Cueny, J. E. & Bro.
Post, J. J. Hdw. Co.
CHESANING—McKenzie, Hector F.
CLARKSTON—Smith, Oliver A.
CLINTON—Lindsley, Geo. C. & Son
CLINTON—Lindsley, Geo. C.
COLD WATER—Allen, D. C. & Co.
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HASTINGS—Goodyear Bros.
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IDA—Braunlich, A. H.
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LAPEER—Gray, Sidney T. Washington, S
LYONS—Hatch & Baker
MANCHESTER—Kuebler, Louis A.
MANISTEE—Miller, Wm.
MANTON—Meyer Hardware Co.
MARINE CITY—Scott Bros.
Scott Bros.
Zimmerman Bros.
MARQUETTE—Clark, Daniel M.
Manhard, M. R. & Son
Neidhart, B. & Co.
MARSHALL—Osborne, Daniel
Treadwell, J. W.
Weaver, Edgar
MENOMINEE—Bertholdt, Herman C.
Northern Hardware & Supply Co.
MIDLAND—Reardon Bros. Merc. Co. (Tin & Metal)
MILFORD—Hatch, F. B.
MONRENCI—Gust, G. W.
MONROE—Steiner, Wm.
MOUNT CLEMENS—Ferrin, Chas. S.
Ullrich, E. C., Hardware Co.
Widrig, Rosell
MUNISING—Thoenen, R. H.
MUNITH—Harris, Arthur M.
NASHVILLE—Glasgow, C. L. (Steel)
NEGAUNEE—Farson, S. A.
NEW BALTIMORE—Laugell, Frank M.
NILES—Montague, C. M.
Platt, W. E.
Salisbury & Selfridge
NORTH BRANCH—Orr, Daniel
NORTHVILLE—Carpenter & Huff
OWOSSO—Curry, Ira G.
Hadsall, H. H.
Post, H. M. & Son
Van Kammen, John
PAW PAW—Norwood, C. A.
Waters, H. C. & Co.
PETERSBURG—Kohler, Fred.
PETOSKEY—Bump & McCabe
Raynolds, Chas. A.
PLYMOUTH—Connor Hardware Co.
Huston & Co.
PONTIAC—Gable, Leonard
Hallett, E. J.
Rich, A. C.
PORT HOPE—Weatherhead, M. P.
PORT HURON—Bolligar, Jas.
Boyce Hardware Co.
Busby, Chas. E.
Casler, Conrad C.
Dart, J. A. & Son
Sturmer, Chas. A.
PORTLAND—Ferguson, R. L.
PRINCY—Barringer, W. Fred
Bishop, I. L.
Cole, S. B.
RANSOM—Thompson, O. W.
RICHESTER—Tienken & Case
ROMEO—McDowell, Wm. C.
Moreland, H. H.
ROMULUS—McBride, W. S.
ROSCOMMON—Orcutt, Wm. B.
SAGINAW—Asphalt Roofing Co., 1424 S Hamilton
Bauer, Jacob C.
Ferguson, John S.
Gemmill, Wm. & Son, 502 Potter
Jacobi, Alex. A. N. (Slate & Metal), 113 N Warren av
Krogman, H. G., 212 N Hamilton
Leyerer, J. S., 408 Germania av
Martin, B. & Son, 816 Jane, E S
Paxson & Schoenberg (Tin & Steel), 213 N Hamilton
Saginaw Sheet Metal Works (Slate, Tile & Metal)
Saunders, Chas.
Schaberg, C. F., 806 Lapeer av
VALLEY CORNICE & SLATE CO. (Ltd.) (Slate, Tile & Metal), 314-318 W Hamilton, W. S. (See adv. index, end of book)
Weiland, Albert P., 731 Hoyt av
Winterstein, O. A. F.
ST. JOHNS—Fowler & Ball
Spaulding & Co.
ST. JOSEPH—Moulton, Chas. H.
ST. LOUIS—Humphrey & Brockway Hardware Co.
SAUGATUCK—Koning, Jno.
Schnobel, H.
SAULT SAINTE MARIE—Soo Hardware Co.
SCOTTVILLE—Talmage, M.
SEBEWAING—Muellerweiss, Adolph
SHELBY—McKinnon Hardware Co.
Rankin, A. J.
Sargent, M. J.
SHEPHERD—Worthington, F. A.
SPARTA—Loopa, Jas.
STANTON—Segar, Edwin L.
STURGIS—Feek, H. H.
TECUMSEH—Satterthwaite Bros.
Whitenack, D. L. & Co.
THREE RIVERS—Griffith, Jno. (Slate & Metal)
Reed, T. J.
TRAVERSE CITY—Arms & Cole
UBLY—Wilkinson, Harry J.
UNION CITY—Walker, C. S.
VASSAR—Brett, C. N.
Dean, H. C.
VERMONTVILLE—Bailey, F. J.
WALDRON—Gish, C. M. (Asbestos, Gravel & Metal)
WAYNE—Cosadd, J. C.
WOODMERE—Mason, Richard
WYANDOTTE—Gartner Hardware Co.
Karth, Frank A.
YPSILANTI—Carpenter, Edmund A.
Whitford, T. S.

MINNESOTA.

ADRIAN—Prediaux Bros.
AITKIN—Schadegg, Fred. G.
ALBERT LEA—Gulbrandson Hardware Co.
AUSTIN—Decker Bros.
Holmes Hardware Co.
BEMIDJI—Doran Bros.
BIRD ISLAND—Kromer & Hurley
BLOOMING PRAIRIE—Morton, E.
BLUE EARTH—Maas, A. G.
Maxson Hardware Co.
Rabe, Chas.
BUFFALO—Osterman, Jno.
CASS LAKE—Schwenk, Chas. & Son
CHATFIELD—Heyden, H. H.
CLOQUET—Fish, L. A. & Co.
Loisel, Jos.
CROOKSTON—O'Brien, J. E. & Co. (Asbestos)
DULUTH—Brown, E. M.
Burrell & Harmon (Slate & Metal), 308 E
Deets & Co., 406 E Superior Superior
Duluth Corrugating & Roofing Co. (Iron, Pitch & Gravel)
Helbing, L. R. Co., 322 E Superior
Holliban & Milostan, 207 W 1st
FARIBAULT—Cavanaugh, Geo. W.
FERGUS FALLS—Bauer, Joseph
Frankovis Hardware Co.
GIBBON—Isaakson, Louis
GLENWOOD—Rowe, David W.
HARMONY—Kidder, E. F.
HOPKINS—Kocourek & Breen
KENYON—Tornblad & Pederson
MANKATO—Lewis, John A & Son
Luisdorff, G. & Son
MINNEAPOLIS—Allan, D. M., 311 6th av, S
Archambo Htg. & Plbg. Co., 317 5th
Barette & Co., 10 E. 26th av, S
Berg, E. B., 15 S. E. Main
Bergman, A. F., 726 S. 4th
Boehme, G. Jr., 019 N E Main
Bixby, James W., 1244 6th av, N.
Burgess, John H., 3845 Bryant, S
Crittenden Roofing & Mfg. Co. (Slate, Metal, Tile, Asphalt, etc.), 920 S. 4th
Drury, C. F., 1210 3d av, S
Dulkin, M., 600 N. 5th
Ebe, Anton, 748 Adams, S. E.
Gardiner, R. H., 819 Washington av S E
Gardner, W. L., 6 E. Lake
Gerber, J. J., 128 6th av, S

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Goetzenberger, E., 2421 Lyndale av S
Goetzenberger, Joseph J., 605 Cedar av
Great Wester Stove Repair Co., 312 Hennepin av
Henning, Julius, 27th st & 29th av S
Henseler & Naused, 1324 N. E. Marshall
Houston, M., 244 2d av, S
Jones & Sawyer, 3005 Hennepin av
Kaplan, Max, 709 N. 5th
Keller, L. J., 617 1st av S
Kraus, Albert, 2441 Bloomington av
Krenzke, T. A., 26 W. Lake
La Duke, H. A., 3185 Clinton av
Lucas Bros., 424 Hennepin av
Middlemist, John & Sons, 9 N 2d
Minneapolis Roofing & Cornice Works, 403 6th av, S
Moorhouse, J. F., 3026 Harriett av
Morison, W. K., & Co., 247 Nicollet av
National Roofing & Cornice Co. (Slate, Tile, Gravel, Metal, etc.), 1409 S. 7th
Nees, Louis, & Co. (Slate, Metal, Gravel, etc.), 1207 S. 3d
Northwestern Roofing & Cornice Works (Slate, Metal, Pitch & Gravel), 1113 S. 5th
Quam, H. J., 2013 Bloomington av
Roberts, H. O., 103 Western av
Robinson, Arthur H., 2805 Girard av S
Russell, Frank H., 2013 5th av, S
Saucier, Chas., 2008 Lyndale av, N
Selden Roofing & Mfg. Co., 76 Western av
Shotwell, H. J., 14 9th st S
Smith, H. F., 1961 Feronia av
Solberg & Colby, 515 E. Lake
Stremel Bros. (Slate, Felt & General), 1215 Wash'n av, N
Swenson, Alfred (Gravel, etc.), 1026 N.
Townsend, A. W., 20 S. 2d 8th av
Tunstead Heating Co., 223 S. 6th
Turnblom, E. R., & Co., 2019 Central av
Wilson & Seelye, 516 Central av
Wishart, R. S., 424 S. 6th
York, Fred. J. & Co., 409 20th av N
MONTEVIDEO—Jensvold, F. N.
MOORHEAD—Levitre, Jno. J.
NEW ULM—Gag & Ranweiler
Laudenschlager, W. F.
Roloff, Charles
NORTHFIELD—Biermann Bros.
Boe, H. A.
OWATONNA—Butsch & Son
Thon, John
Thompson, J. M. & Son, Hardware Co.
PARK RAPIDS—Breher, Jos.
Tennis, S. C.
PELICAN RAPIDS—Berg, Lara L.
PRINCETON—Grant, B. D.
REDWOOD FALLS—Laird, D. E.
Pease, E. A.
ROCHESTER—Stebbins & Co.
RUSHFORD—Griesser, Chas.
ST. CLOUD—Thielman Bros.
ST. PAUL—Acme Roofing & Cornice Co., Ackerman, Wm., 561 B'way 486 Selby av
Adams, E. J., 374 Jackson
Armbruster, E. A., 50 W 4th
Atwater, J., 2378 Hampden av
Bergstrom, Mrs. A. (Carl), 600 E Cook
Bodman, Henry, 194 E 14th
Decker, A., Hardware Co., 347 Jackson
Finn, Thos., 468 St. Peter
Flitsch, Gust. L., 14 Douglas
Franz, L., & Son, 480 Banfil
Grayum Bros., 157 W. 7th
Griffen & Boehme, 121 W. University
Haag, George, 355 W. 7th
Haag Roofing & Cornice Co., 28 W. 3d
Haag, Wm. P., & Co., 309 W. 7th
Haas & Anderson, 131 S. Wabasha
Haase, C. A., 744 Grand av
Heinl, John, 918 W. 7th
Hinderer, Edward, 195 W. 6th
Janitschke Bros., 751 N. Snelling av
Knickerbocker Roofing & Paving Co., 189 W 3d
Lefebre-Deslauriers Roofing & Cornice Co. (Slate, Tile, Asphalt, etc.), 311 Chestnut
Laubach, J. A., 152 Baker
Marzolf, A., & Co., 117 W. 6th
Matteson, B. C., 786 Grand av
Minnesota Roofing & Cornice Works, 135 12th
Moshofsky, Frank, 379 Rice
Northwestern Lime Co., 68 Lower Levee

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Novak, Leo, 555 Rice
Peyer, E. J., 543 Rice
Phillippi, Michael, 905 Rice
Prendergast Bros., 20 E 6th
Rossberg, C. E., 148 N Dale
Schleck Bros., 991 W 7th
Schleh & Ryan, 91 Concord
Schlets, R. H., 674 Winslow av
Schneider & Luckert, 228 W 3d
Schroeder, Bros., 902 Payne av
Scribner-Libbey Co. (Comp. Slate & Metal), 219 W 5th
Stallman, E., 407 Rosabel
Staples & Staples, 565 Decatur
Stuhlman, J. C., 429 S Wabasha
Wenzel, Robert, 661 Kent.
Wolterstorff-Haskell Range & Furnace Co., 186 E. 6th

ST. PETER—Feldman, Charles H.
SAUK CENTER—Hillerud, G. & Co.
SHAKOPEE—Mergens, Henry
STILLWATER—Evans, W. T.
Loeber, August
Strudwick, J. F.
THIEF RIVER FALLS—Jackson & McGinn Oen Merc. Co.
TWO HARBORS—Schreiner Bros. & Moulton
WABASHA—Schmidt, Julius
WARREN—Taralseth, K. J. & Co.
WILLMAR—Lewis Hardware Co.
WINONA—Baeuerlein, C. A. Hardware Co., Cone, R. D. Co.
Magnus & Wilkens, 119 E 2d

MISSISSIPPI.

ABERDEEN—Lann & Carter Hdw. Co.
Henderson Hdw. Co.
Miller, J. A.
Warburton, T. R.
COLUMBUS—Newby Bros.
CORINTH—Byrnes, M. & Son
JACKSON—Braddock, L. J.
Daley, C. E.
Gaston, H. D.
Key-Price Hardware Co.
McCleland, Thomas Hardware Co.
Wright, Ray
MERIDIAN—McMillan, A.
Melton Hardware Co.
Switzer, J. W. & Son
NATCHEZ—Boyle, B.
Boyle, B.
Holmes, T. J.
Mulvihill, P. W. (Metal & Slate)
Schwartz & Stewart
VICKSBURG—Bruser, Wm. H. (Slate, Metal, Comp. & Gravel)
Smith, J. B. (Slate, Comp. & Metal)
WEST POINT—Foster & Co.
Quinn, H. L. & Co.
YAZOO CITY—Cummings, M. F. (Slate & Tin)
Jenne, George

MISSOURI.

AURORA—Aurora Hardware Co.
Burney & Richart
Burney Bros.
BERGER—Freese, A. W.
BETHANY—Bethany Hardware Co.
Cole, W. C.
BETHEL—Bower, W. C.
BOONVILLE—Hirlinger, Frank H.
Vanatta, Frank
BOWLING GREEN—Campbell Bros.
BRAYMER—Divelbiss & Toland
BROOKFIELD—Post, M. C.
BUCKLIN—Hausmann, T. A.
Murphy, Hy.
BURLINGTON JUNCTION—Corken Bros.
BUTLER—Bennett, Wheeler Mer. Co.
Ray, Hayden
Ray, John
CAMDEN—Burnett, Clarbourne
CANTON—Martin, C. F.
CAPE GIRARDEAU—Brunkhorst, A. F.
Leher, H. A.
Vogel, W. H.
Vogt, F. W.
CARTERVILLE—Wood, N. J.
CARTHAGE—Drake Hardware Co.
CARUTHERSVILLE—Caruthersville Hdw. Co.
CENTRAL—Fuhrmann, J.
CHILLICOTHE—Batts, Joseph
Markey, James A.
Palmer, S. & Son
CLARENCE—Lagenbock, A. (Est. of)
CLARKSVILLE—Kissinger, J. H.
CLINTON—Baum, Hy.
Blakemore, Jas. N.
Hayaler-Rose Co.
COLUMBIA—Gribble, H. J. & C. B.
Matthews, Charles
Hornberger, W. W.
Jones, R. P. & Son
Newman, C. C. & Co.
CORDER—Kleinschmidt, H. F.
DEEPWATER—McCown, W. H.
DE SOTO—Cunningham-Hamel Mercantile Co. (Gravel, Tin, Comp., etc.)
McLane, D. D.
Slawson, A. F., Gravel, Tin, Comp., etc.)
DEXTER—Miller, Ulen & Carter
DIXON—Dixon Hardware Co.
DOWNING—Bailey, C. M.
EDINA—Frobes Bros.
ELDORADO SPRINGS—Smith, B. W.
EVERTON—Goforth-Hankins & Co.
EXCELSIOR SPRINGS—Westbrook, E.
FARMINGTON—Boswell & Helber
FAYETTE—Kelly, D. P.
FLORISANT—Albers, Aug. C.
Humbach, Peter L.
Kienstra, Anthony
FRANKFORD—Bucks, Jno. K.
FULTON—Callaway Hdw. Co. (Slate & Metal)
GALLATIN—Lawrence-Osborne Hardware Co.
GLASGOW—Blocher & Huber
GLENWOOD—Chattin, Wm. & Bro.
Smith, Celeste
GREENFIELD—Helpenstein, Amos
HAMILTON—Barker, F.
HANNIBAL—Busby & Baskett
De Laporte, J. A.
Farmer, J. O.
Hynes, J. E.
Kanstner, Wm.
Kaup, Wm.
Peck, E. J.
Shea, Morris
HARRISONVILLE—Parsons, J. C. & Bro.
HERMAN—Eberlin, Armin
HOLDEN—Tevis, J. H.
HUMPHREYS—Whaley & Son
INDEPENDENCE—Casper, Martin
Hill & Martin (Slate & Metal)
JACKSON—Jaeger, Adolph
Wolters, R. S.
JASPER—Bayne & Son
JEFFERSON CITY—Natsch, Anton
Schleer Bros.
Staihr, M. M.
JOPLIN—Harvey, A.
Joplin Cornice Works
Morgan, W. E. Roofing & Mfg. Co. (Gravel, Comp., etc.)
KANSAS CITY—Bennett, J. H., 1206 E 24th
Blake, C. E., 210 W Port av
Brink, J. H., 1915 Grand av
Carey, Philip Mfg. Co., 520 Delaware
Conkey Roofing Co. (Gravel), 1314 E 18th
Cubine, W. B., 3031 S W boul
Decker, Sarah M., 2001 Indiana av
Dietrich, Peter, 706 W 14th
Dietzel, F. H., 2117 E 15th
Geis, John G., 1001 W 24th
Gille Mfg. Co., 1053 St. Louis av
Gordon, H. & Co., 1713 Grand av
Gray, F. I., 407 Oak
Heckard, W. S., New Ridge bldg
Humbrock, Gustavus R., 2700 Summit
Jakobe, J. G. & Sons, 1318 Main
Johns, H. W.-Manville Co., 1410 Main
Kansas City Asbestos Mfg. Co., 1412 Main
Kansas City Furnace Co., 618 Prospect
Kansas City Slate & Tile Roofing Co., 21st & Forrest
Kansas City Standard Roofing Co., 2118 Grand av
Kimmel, J. C., 3310 E 15th
Kirby, Scott, 709 E 31st
Kornbrodt, Chas. T. (Slate, Tile, Metal & Asbestos), 1811 Troost av
Malken & Sons, 2508 E 31st
Nail, J. C., 1421 E 18th
Redheffer Co., 544 Main
Reed, H. M. (Hardware), 3186 Jefferson
Ritzler, J. A. Cornice & Ornament Co. (Slate & Metal),, 2410 E. 18th
Sellers & Marquis Roofing Co., 105 W 8th
Seymour & Kiff, 2408 E 16th
Sick, W. F., 2804 E 18th
Silverstein, B., 1223 Inde ave
Stoeltzing Bros. Stove & Cornice Co., 1605 Grand av
Stoeltzing, Martin, 1605 Grand av
Stophlet, F. C., 12 E Missouri av
Twichell Iron Co., 220 W. 3d
Stoeltzing, Martin, 1605 Grand av
Stophlet, F. C., 12 E Missouri av
Twichell Iron Co., 220 W 3d
Vanstone, Walter, 2901 E 18th
Walter, G. E., 522 Grand av
Weis, Henry Cornice Co. (Iron, Slate & Tile), 1811 Wyandotte
Western Roofing Co. (Comp. & Gravel), E W. Missouri av
Zahner Mfg. Co., 12 W 10th
KENNETT—Riggs-Petty Hardware Co.
KEYTESVILLE—Vaughan, W. D.
KIRKSVILLE—Clark, R. Hdw. Co.
Heine Hdw. Co.
KIRKWOOD—Cronin, M. W.
Daly, W. M.
Donworth, Wm.
LA GRANGE—Oyster, W. B.
Wright, W. J.
LAMAR—Adams Hdw. & Furniture Co.
Barth, A. H.
Humphrey & Bro.
LANCASTER—Freidrich, C. C.
LA PLATA—Fulmer, G. H.
LEBANON—Bantley Bros. Hardware Co.
Koby, Victor & Son
LEWISTOWN—Thale, Aug.
LEXINGTON—King & Marrs
Yingling, C. E.
LIBERTY—Harlin, John W.
Poage, Cyrus B.
LOCKWOOD—Wookman Bros.
LOUISIANA—Rose, C. B.
Suda-Buffington Hdw. Co.
LURAY—Combs & Webb
MACON—Demeter, E. A.
Jaeger Bros.
Mayer, Frank Hardware Co.
Patton, B. P.
Walker, W. P., Sr.
MARSHALL—Johnston, O. W.
MEMPHIS—Bedbury, Robert N.
Courtney, J. C.
Mount, J. E.
MEXICO—Ferris & Redmond
MILAN—Lane & Evans
MOBERLY—Stauffer, P. & Co.
MONETT—Floreth, W. H.
MONROE CITY—Jaeger, Alfred
NAPOLEON—Gaeth, Carl
NEOSHO—Briggs Hardware Co.
NEVADA—Eppenauer, Jos. P.
NEW CAMBRIA—Nichols & Goodson
OLEAN—Inglish, F. W. & Co.
ORONGO—Stults, R.
PALMYRA—Best Bros. Hardware Co.
PERRY—Barr & McElroy
Coil & Fairbairn
Stehle & Son Stove Co.
PLEASANT HILL—Hon, W. W.
Pearce, M. E.
PRINCETON—Safarik, J. F. J.
QUEEN CITY—Casper, Jos. T.
RICHMOND—Percival, J. H.
Shoop & Smith
ST. CHARLES—Ebeling, Louis
Heye, Thos.
Nolle, Louis
Pallardy, L. L. & Co.
ST. JAMES—Burge, J. F.
ST. JOSEPH—Carolus, Geo. A., 1708 Jule
Cramer & Geiwitz, King Hill & Colle av
Gehrs, Herman J., 1019 S 8th
Jesberg, Wm. H., 1212 N 3d
Langan, Peter, 305 S 4th
Miller, Chas., 621 Messanie
Parrish-Erickson Hdw. Co., 115 S 6th
Rich, Felix
Robertson, Wm. J. (Gravel), 922 S 6th
Schwein, Aug. Stove Co., 419 Edmond
Seaman & Schuske Metal Wks. Co. Slate, Tile, Metal & Asphalt), 1604 Frankl
Wehrman, Wm. (Slate & Metal), 119 N 3
Welbers, W. J., 1106 Farson
Whelan, Alex. T. (Slate & Metal), 1[illegible] S 10th
Williamson, Wm. C., 202 Highland av
ST. LOUIS—Ahrens, Fred'k. 7120 S B'way
Amrhein, Jacob, 1410 S. 18th
Arcade Tinning & Slating Co. (Slate & Metal), Arcade bld
Bence, Joseph, 2005 Cass av
Bennett, Geo. W., 3641 Cass av
Berwanger, Louis, 2508 S. Jefferson av
Blohm, Chas. H., 1120 Emmet
Bokern, Frank T., 217 Market
Brinkmann, John H., & Sons, 1913 Olive
Buchfelder, John, 3611 Kossuth av
Burke, Jas. H., 2727 Sheridan av
Caine & Miller, 2480 Cass av
Campe, Wm. J., 1921 Franklin av
Condon Bros., 1026 Market
Decker, E. G., 3330 S B'way
Daniels Roofing & Supply Co., 2016 Walnut
Davis, Wm. R., 718 N Vandeventer av
Dockery Heating & Sheet Metal Co., 3514 Easton
Doerste, Herman H., 4728 Hanover av
Dolson, Chas. L., 521 Biddle
Eberle, J. & Son, 4014 Leeholm av

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Ebert, Robt., 1022 S. 12th
Ellman, Louis, 1008 N 7th
Epenter, Julius L., 4740 Delmar boul
Excelsior Roofing Co. (Felt, Comp. & Gravel), 4923 Delmar boul
Finger, Geo. & Co., 2008 Russell av
Fisler, Gottlieb, 2206 S 8d
Foy, Matthew H., 1858 Park av
Frick, Jos. D., 2547 Maiden Lane
Funke, Bernard J., 1917 College av
Giesow Cornice Works, 3721 Cass av

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Gilsonite Roofing & Paving Co. (Tile & Comp.), 721 Olive
Godfrey, W. E., 8089 N B'way
Gossel, Chas., 2648 Olive
Grevels, Edmund, 4520 Easton av
Grundorf, John W., 1600 Blair av
Hahne, Wm., 2124 Gravois av
Halpin, James Mfg. Co., 1518 Chestnut
Hammermeister, Otto A. (Gravel, etc.), 3822 Lemp av
Hayden, John A. Slate Co. (Slate & Tile), 2006 Locust
Heagen, P. (Comp.), 1530 Morgan
Heagen, Thomas A. Roofing Co., 1532 Morgan
Hemp & Co., 904 S 2d
Harold, John C., 3521 Florissant av
Higgins, Frank B., 924 N. 6th
Higgins, John F., Mfg. Co., 5619 Easton
Hiob Bros., 4053 N Broadway av
Hogan, Thos. W., 1817 Washington av
Hubenschmidt Bros., 2108 Franklin av
Huber Bros. Cornice Co., 3744 St. Louis av
Huhn, Edw., 631 S. 4th
Hummert, Wm., 1131 N B'way
Jarolimek, F. J., 1869 S 12th
Jefferson Roofing Co., 218 Chouteau av
Jordan, Adolph, 1848 Cass av
Jordan, Wm. M., 1123 Market
Kadell, Chas. W., 2729 Lafayette av
Kaul, Frank, 3022 Oregon av
Kern, Dominick J., 716 N. King's Highway boul
Kestranek, Jos. & Son, 2907 McNair av
Klinkein, Henry, 1431 Old Manchester rd
Kleinhenn, Henry, 2637 Chouteau av
Klittich, Ernst L., 707 Carroll
Knox, Thos. E. & Co., 4608 Easton av
Koch, Moritz, 2812 Manchester av
Koelsch, Wm., 1124 Buchanan
Kohlmeyer, Geo. E., 8222 N. B'way
Krauss, Anthony, 4260 Easton av
Larkin, Michael P., 2823 Easton av
Latal, Jno. J. Roofing Co. (Gravel, Slate & Comp.), 4422 Easton av
Lintzenich, Jacob E., 721 Olive
Lintzenich, Joseph W., 810 Olive
Lloyd, Geo. E. (Slate, etc.), 1210 Dolman
Loch, Charles H., 1007 N. B'way
Loeblein, Geo., 6021 Old Manchester rd
Lorens, Chas., 2615 Bismarck
Lucas, Philip G., 2726 Gravois av
McCracken, C. E., 4250 Hartford
McHenry, Thos. & Sons, 4001 Easton av
McDermott Roofing Co., 1417 Grattan
Macmahon Roofing Co., 4118 Evans av
Mager, Philip W., 810 S 4th
May, Louis, 4406 A Rutger
Meade, Aug., 2822a Victor
Merkel, Herman, 509 Elm
Meyer, Theodore C., 2186 Salisbury
Meyer & Axthelm, 4054 Olive
Mill Bros. (Gravel, Felt & Comp.), 1019
Miller, Adolph, 911 N 9th Chestnut
Mirkiff, Patk. B., 4975 Easton av
Naughton, P. S. Slate Roofing Co. (Slate, etc.), 3020 Laclede av
Neska & Lindauer, 1725 S B'way
Noonan, Leon C., 812 W 14th
Nolen, Jos. B., 1100 Ohio av
Noole, Edw'd F., 7935 N B'way
Nowiak, John, & Son, 4107 Chippewa
Oerter, Fredk. A., 2827 N 9th
Peters & Boyd Roofing & Cornice Co. (Slate & Metal), 3614 Laclede av
Riordon & Co., 1413 N. B'way
Rile, Geo. A. & Co. (Slate, etc.), Odd Fellows bldg
Schmelin, Richard, 1120 N B'way
Scott, W. L., 1905 S Jefferson av
Sinclair Roofing Co. (Comp. & Gravel), 921 Chestnut
St. Louis Cornice Co. (Slate & Mantel), 1914 Union blvd
St. Louis Roofing Co. (Felt, Comp. & Gravel), Wainwright bldg
St. Louis Tin & Sheet Metal Working Co., 212 S. 7th
Santen, John H., 1134 Pine
Satterfield, John G., 4253 John av
Schaperkoetter, Gustav, 2222 Maiden la
Schoening, Zesch, 2618 Laclede av
Schmidt, Otto, 821 Market
Schneider, Chas. G., 2711 Arsenal
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Steube, Jos., 1501 Gratiot
Stirrat, James, 4240 Olive
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Sydow, Herman, 6333 S B'way
Sydow, John, 7828 S B'way
Tiernan, Luke, 1019 Chestnut
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Vogler, A., 2706 Indiana
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Williams Roofing Co. (Slate), 4331 McRee av
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Zacharias, Wm., 1209 Park av
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Zitko, Charles, 17 N. Ewing av
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SEDALIA—Ilgenfritz Hardware Co.
Sedalia Hardware & Iron Co.
Smith, D. H.
Werner, A. F.
SHELBYVILLE—Miller, N. C.
SLATER—Jenkins, R. T. & Bro.
SPRINGFIELD—Anslinger & Co., Sheet Metal Works (Slate & Metal), 212 E Walnut
Baum Hardware Co.
Carmack & Rathbone, 510 Commercial
Speaker, Ernest, 823 Boonville
Welhermer, William
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SWEET SPRINGS—Rembert, A. S.
TINA—Evans, E. L. (Est. of)
TRENTON—Witten Hardware Co.
WARRENSBURG—Stillwell, M. F.
Warnick Bros.
WASHINGTON—Busch, E. G. & Co.
Dickbrader, H. J.
Poppenhausen, William
WEBB CITY—Mead & Palmer
WENTZVILLE—Wullschlegel, Fred.
WESTON—Schwope & Mitchell
WEST PLAINS—Dressler, C & Co.
Fitzgerald, M. G.
WHEELING—Smiley Bros.
WINDSOR—Davis, H. T.
WYACONDA—Bowman, Jno.
Matthews, Jas. C.

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ANACONDA—Copper City Commercial Co.
Stagg, J. P.
BILLINGS—Yegan Bros.
BOZEMAN—McCay, Harry B.
McCay, J. J. (Mrs.)
Reeder & Budd
BUTTE—Anaconda Copper Mining Co. (Hardware Department)
Canonica, Anton
DEER LODGE—O'Neill Hdw. & Plumbing Co.
Trask, M. W.
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Mont Hardware Co.
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MISSOULA—Missoula Mercantile Co., 102 Front

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FREMONT—Globe Cornice Works
Lee-Miller Hardware Co.
Smith, F. M. & Son
GOTHENBURG—Jennings & Spaulding
GRAND ISLAND—Detlefsen, Lewis
Hehnke & Co.
Lederman, A. C. Co.
McAllister, R. H. & Co.
Wingert, J. A.
HOOPER—Heine, J. F. & Son
KEARNEY—Bodinson, C. F. Hdw. Co.
Hubbell Bros.
LEXINGTON—Bancroft, J. S.
Zepf, Geo.
LINCOLN—Hall Bros. Co.
Keller, John, 1435 O
Krause, W., 806 O
Nichols Roofing Co. (Comp.), 413 S 7th
Way, Palmer, 2217 O
McCOOK—Polk Bros.
Waite, H. P. & Co.
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Kuwitzkey, Horace
Ziels, G. W.
NORFOLK—Degner, Albert
Friday, Jno.
Laubach, Carl S.
NORTH BEND—May, Milton
NORTH PLATTE—Fillon, Jos. T.
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Hauth, Philip, 3124 S 20th
Heaton, W. S., 1301 Farnam
Jones, J. H. Roofing Co. (Slate, Tile, Mica, Asphalt, Comp., Felt, etc.), 1517 Burt
Kastl, J. F., 1414 S 13th
Koch, G. E.
Krelle, C. F., 610 S 13th
McMahon, John M.
Mica Roofing Co. (Mica & Gravel), 510 S
Miller & Peterson, 2518 Cuming 12th
Murray, D. E.
Nast & Son
National Roofing Co. (Slate, Gravel, Mica, Tile, etc.), 510 Ware blk
Olson Bros., 2570 Leavenworth
Rogers, G. W. (Comp., Gravel, Asphalt & Felt), 915 Douglas
Savage, Edw'd, 2822 Farnam
Simon, Wm.
Simonson & Norby, 1705 Cuming
Sunderland Roofing & Supply Co. (Magnesia), Thrane, L. C., 508 S 10th 1208 Farnam
Wiig & Son, 713 S 27th
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PAPILLION—Pacey, E. D.
PLATTSMOUTH—Krochler & Vetesnick
RULO—Winterbottom, Jno. S.
SOUTH OMAHA—Grist, M. W.
Jensen, Ferd.
Wright, Sanford
SUTTON—Carney, S.
WACO—Tinker, C. W.

NEVADA.

CARSON—Millard, A. J.
EUREKA—Cromer, L. W.
RENO—Genesy, B. J.
Nevada Hardware & Supply Co.
Nevada Sheet Metal Works

NEW HAMPSHIRE.

ALTON—Buckley, Paul E.
AMHERST—Taylor, F. C.
ANTRIM—Hunt, Geo. W.
ASHLAND—Sanborn, E. W.
BELMONT—Barrett, W. J.
BERLIN—Berlin Mills Co.
BRADFORD—Marshall, Chas. H.
CANAAN—Eastman, Daniel
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Kennedy, Jas. H. (Slate & Gravel)
Littlefield, Frary & Co., Wash'n st
Snow, Geo. W. (Tar & Gravel), 4th st
ENFIELD—Fogg, Fred. A.
EPPING—Ladd, John S.
EXETER—Young, Augustus
FARMINGTON—Thayer, W. F.
FRANKLIN—Judkins & Wallace
HANOVER—Brown, Chas. D. & Co.
Ford, E. T.
HENNIKER—Connelley, Edw.
HILLSBORO—Newman, W. E.
HINSDALE—Taylor, H. W.

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KEENE—Kirk Sewall
Pearson Bros.
LACONIA—Smith, James S. & Co.
LAKEPORT—Brawn, W. H.
Dame, C. C.
LANCASTER—Moore, L. F. (Est. of)
LEBANON—Hildreth, C. M. & Son
LITTLETON—White, R. P.
MANCHESTER—Blood, F. W. Roofing Co. (Slate & Metal)

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Knoettner, Geo. & Co.
Lawson, H. J. (Slate & Metal)
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Moreau, J. J. & Son (Slate, Metal & Gravel)
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Nichols Bros.
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PITTSFIELD—Nutter, M. Henry
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ROCHESTER—Bailey, C. M.
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SANBORNVILLE—Haynes, J. M.
SOMERSWORTH—Murray, Jas. W.
TILTON—Greenwod, Joseph
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WALPOLE—Morse, Chas. W.
WOODSVILLE—Mulliken, A. F. & Son

NEW JERSEY.

ALLENTOWN—Korer, W. H.
ALLOWAY—Darlington, A. L.
ARLINGTON—Whitefield, Thomas J. (Slate & Felt), 578 Chestnut
ASBURY PARK—Burke, P. L., 405 Bond
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Griffin, James F.
Hurley, James
Hutchison, Addison, Bradley Beach
Reichey, W. W., Belmar
Rugarber, Charles
Ryno, John (Slate)
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Horan, Michael J. (Slate)
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BERLIN—Burl, Henry
BERNARDSVILLE—Bromfield, W. E.
Buist, David
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BEVERLY—Cryathorn, Isaac T.
BLOOMSBURY—Kremer, Geo. B.
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BOONTON—Kopp's, J. I. Sons
BORDENTOWN—Enright, James & Co.
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Anderson & Bro.
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BURLINGTON—Barclay, Robert W.
Buck, Isaac W. (Est. of)
Estilow, Leon
Fireng, Franklin G.
Jobes, George W.
BUTLER—Harmon, John
CAMDEN—Austermuhl, E., 310 Vine
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Swain, Chas. A.
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CHATHAM—Hynes, Julia M. (Slate & Comp.)
CLINTON—Butler, W. G.
COLLINSWOOD—Albertson, Chas. R.
CRANFORD—Doyle, John
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FREEHOLD—Denise & Buck
De Roche's, Jno. L. Son (Slate)
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GLOUCESTER CITY—Batten, L. C.
Hannold, Samuel
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Oakes, James J.
HACKENSACK—Cleveland, E. M.
Van Orden, C.
HACKETTSTOWN—Osmun, A.
Titus, Frank P.
HADDONFIELD—Bennett & Dreyer
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HAMBURG—Linn, Jno., Jr.
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HARDINGVILLE—Boyce, Samuel W.
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MANASQUAN—Chapman, John H.
Marks, Robert A.
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MERCHANTVILLE—Fisher, Geo. A.
Miles, Wm.
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MILLVILLE—Brandriff, A., Jr.
Gray, H. A.
MONTCLAIR—Crane, I. Seymour
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NUTLEY—Faith, E. E.
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ORANGE—Hindle & Williams, 295 Main
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PASSAIC—Falstrom & Tonquist Co.
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PATERSON—Baird, Jno. (Slate, Tile & Metal), 79 Mill
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Woods, Andrew, 360 Main

PAULSBORO—Furry, B. Frank
Roberts, Seth

PEMBERTON—Wells & Jones

PENN GROVE—Dalbow, Jacob K.

PERTH AMBOY—Kelly & McAlinden Co.
Seel, Chas. (Slate)

PHILLIPSBURG—Baty, Philip
Folk, J. H.
Harmes, Wm. H.
La Barre, Aaron

PLAINFIELD—Graves, Charles C., 819 S 2d
Griffin, A. M., 119 E Front
Maier, Alex. G.

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PRINCETON—Stryker, A. Y.
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RED BANK—Patterson, Jos. C.
Sabbath & White
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RIDGWOOD—Banta-Owens Plumbing Co.
Moore, W. H.
Morgan, Wm. P.

RIVERSIDE—Orfe, G. J. & Son

RIVERTON—Lynch, Wm. B.
Worrell, Harry C. (Slate & Metal)

ROCKAWAY—Rockaway Hardware & Stove Co.

RUTHERFORD—Black, Wm. & Co.

SALEM—Casper, Chas. W.
Guest, C. B.
Righter, J. C.

SCOTCH PLAINS—Jahn's, Robert Sons

SOMERVILLE—Mundy, T. C.
Sargeant Bros. (Slate)

SOUTH AMBOY—Carberry, Jas.

SOUTH ORANGE—Kitchell, J. L. & Son

SWEDESBORO—Reed, J. M.
Sparks, H. H.

TOMS RIVER—Brandt, Amos A.
Roberts, Thos.
Van Nostrand, E. S.

TRENTON—Arundale, Merrick, 442 N Clinton av
Bennett, David T.
Crossley & Dutterly
Doerfler, Geo., 28 Cummings av
Farrell Bros., 109 E Hanover
Fell, Henry R. Co. (Slate, Tile & Slag)
Olinsky, Morris, 63 Union
Philkill, Mahlon, 126 Allen
Purvis, G. H., 319 S Warren
Royle, Elmer E., 14 Lincoln av
Rugaber, Reinhart, 205 Cleveland av
Seiger, Morris, 23 E Front
Skirm, A. A. & Son, Broad & Perry
Smith, G. E., 360 S Broad
Street, S. F., 2 Hampton
Tuesday, F. S., 329 Liberty
Tuesday, W. H.
Voorhees, Elmer E., 462 W Hanover
Voorhees, Geo. D. & Sons, 181 Pennington av
Willever, Frank C., 1019 Chestnut av

VINELAND—Austin & Turner
Bagg, W. L.
Himes & Barreta
Read, Jno. H.

WASHINGTON—Flint & Hall
Johnston, Jas. H.

WEEHAWKEN—Heyer, Chas.

WESTFIELD—Ferris, Mahlon H.

WEST HOBOKEN—Gutschmidt, Wm. H., 810
Poeschel, Oscar, 524 Ann John
Poeschel, Osmar, 614 Spring
Sutter, Louis, Clinton av & Courtland
Werner, William

WEST NEW YORK—Hildebrandt, Jno. A.
Merkel, Sylvester

WOODBRIDGE—Humphrey, Robert
Moore's, E. F. Sons

WOODBURY—Kleinhans, John V.
Sampson, Chas. E.

WOODSTOWN—Lippincott & Hunt

NEW MEXICO.

LAS VEGAS—Patty, S.
Vogt & Lewis

NEW YORK.

ALBANY—Ackroyd, James & Sons (Comp., Slate, Metal & Tile), 966 B'way
Britt, John J., 142 Central av
Campbell, Chas. O., 82 Washington
Delehanty's, M. Son, 26 Green
Eglinton, Sidney J., 125 Beaver
Fitzgerald, Jno. L., 22 Beaver
Gersbach & Schafer, 17 Central av
Gillan, Hugh, Jr., 298 Sheridan av
Goetz, Edward (Slate & Metal), 211 S Pearl
Gorman, Jas. J., 14 Norton
Hoffmann, J. H. B., 90 Green
Hood, W. R., 115 Hamilton
Kerwin, T. E., 34 Howard
Kieley & Stahl, 10 Green
Macnee & Rabe (Sparham, Slate, Metal & Gravel), 659 B'way
Rosaner & Son, 284 Madison av
Schiller, John, 49 Livingston av
Sheehan, Joseph F., 125 Madison av
Walsh's, Jas. D., Sons (Slate, Metal, Slag & Gravel), 40 Sheridan av

ALBION—Blott, Alfred
Carter, William E.
Waterman, G. M.

ALDEN—Patrell, W. R.

ALEXANDRIA BAY—Hartman, Henry
Thompson, W. H. & Son

ALTAMONT—Manchester, A. T.
Tabor, Chas. E.

AMENIA—Fry, B. H.

AMITYVILLE—Cort, Geo. W., Jr.

AMSTERDAM—De Graff, I. J.
Denison, J. L. & Co.
Jones, B. F. (Slate)
Kaiser & Freydenborg
Larabee, J. E., 5 Market

ANGELICA—Horner, S. G.

AUBURN—Armstrong, Charles, L. & Bro.
Everts Hardware Co.
Herron, P. M. Hardware Co.
Smith & Pearson, 102 Genesee

BABYLON—Ketcham, W. P.
Ohlmiller, Sebastian

BAINBRIDGE—Barlow & Clark

BALDWINSVILLE—Baker Bros.

BALLSTON SPA—Armer, Fred
Tracy Bros.

BATAVIA—Dawson, W. E. (Slate & Comp.)
Russell & Palmer

BATH—Brownell Co.
Gould & Nowien
Peck, G. W. Co.
Sutherland, Washington

BAY SHORE—Vail, C. W.

BEDFORD—Tallman, H. J.

BERLIN—Lewis, W. H. & Son

BETHEL—Gabriel, Geo. D., Jr.
Sutter, Wm. E.

BINGHAMTON—Christie, Walter (Slate), 77 State
Crane & Lockwood, 12 Court
Folsom, R. W., 125 Washington
Freeman, E. G. & Co. (Slate & Metal), 81 Water
Harris, Geo. M.
Lynch's, J. R. Sons (Slate & Tin), 86 State
McIntyre & Hull
O'Neil, Matthew
Sullivan, Grant & Co.
White, A. C. & Son
Young, John J.

BREWSTER—Avery, Silas O.
Smith, W. E.

BRIDGEHAMPTON—Sanford, J. A. & Son

BRIDGEPORT—Draper, Horace V.

BROCKPORT—Brennan & Adams
Hinman & Fowler

BROOKFIELD—Stillman, J. T. & Son

BROOKLYN—(See New York City, Borough of Brooklyn)

BUFFALO—Armbrust's, Jno. Sons, 789 Genesee
Baird, Fred. H., 140 Erie
Bauer, Leonard, 105 Roehrer av
Bauer's, Chas. Sons, 159 William
Berkhouson, Geo. H., 272 Forest av
Berner, J. F. Hardware Co., 515 William
Beyer, Wm. H., 169 E Ferry
Bower, Geo. A., 193 Grant
Bowers, John J., 6 Norman av
Brand, Edw. J., 709 Hopkins
Christimann, Philip & Sons, 854 Virginia

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Degenhart & Co. (Copper, Metal & Sheet Iron), 1910 Niagara
Eberz, Peter W., 1901 Niagara
Elsinghorst, Jno. H., 574 Michigan
Farley, John
Fisher, Martin & Sons, 75 W. Chippewa
Fix, Chas. J., 808 Main
Freme Roofing Co. (Tar), 411 Grant

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Glinski, Anton, 1097 B'way
Grant, Gilbert, 815 Michigan av
Grove Roofing Co. (Comp. & Gravel), 121 W Eagle
Gruber, Rupert & Co., 541 Sherman
Guenther, Theo., 1285 Jefferson
Hall, L. W. & Son, 62 Genesee
Hauck, Adam & Sons (Metal), 505 Main
Hausen, Chas., 577 Niagara
Henrich, Geo. W., 1352 Jefferson
Henrich, John Co., 822 William
Herd, J., 365 Genesee
Herrmann, Adam, 617 S Park av
Irr, Frank X., 254 Allen
Jameson, C. B., 250 Pearl
Jefferson, T. M. & S. E., 157 W Mohawk
Keiser, C. G. (Metal, Copper & Sheet Iron), 400 Michigan
Kenefick, M., 361 Mass. av
Kener, Edw., Jr., 400 Connecticut
Kiendl, Robert J., 728 Michigan
Kirkpatrick, John, 364 Auburn av
Lessing, Herman, 1460 Genesee
Lipp, A. M., 327 B'way
Lipp & Nauth (General Roofers), 334 Genesee
Lund, Daniel, 153 W Mohawk see
McBride, John P., 1298 Seneca
McCutcheon, C. H., 18 Ohio
Mache, Frederick, 11 Locust
Machwirth Bros. Co. (Slate, Metal, Tile, Asphalt & Gravel), 201 Oak
Menig Sheet Metal Works, 118 Ash
Menig, Michael, 123 Maple
Meyer, Joseph, 571 Genesee
Meyers, Wm. F., 518 Seneca
Mischler, Edward, 2093 Main
Peters, Geo. H. Co. (Slate & Metal), 289 Oak
Radermacher Bros., 345 Fox
Rechtenwalt, Albert, 487 Connecticut
Reiber, Martin, 255 Stanton
Roche & Moore, 158 Ohio
Rothbarth, Jno. C. (Metal), 509 Elm
Roty, A. & Son, 835 Main
Ruslander, A. S. & Son, 474 Sycamore
Schell, Chas. F., 610 B'way
Schmitz, C. J., 1328 Jefferson
Shnart, A. E. (Metal, etc.), 135 Hoyt
Sleininger, Chas. A. & Sons, 704 Swan
Smith, D. L. (Slate, Metal, etc.), 31 Church
South Buffalo Heating & Roofing Co., 1234 Seneca
Stock, Jos. F., 251 B'way
Strobmaier, J. F. (Metal), 623 West. av
Urban, Geo. H., 296 B'way
Wick, Jacob Mrs., 700 B'way
Wick, Martin, 586 B'way
Willerth, Conrad, 13 Schuele av

BYRON—Boyce, J. A.
CALEDONIA—Humphrey, O. M.
CALLICOON DEPOT—Doetsch, H.
CAMBRIDGE—Maxwell, Gilbert
Watkins, Robt. H.
CAMPBELL HALL—Howell, Chas. B.
CANAJOHARIE—Scharff, Chas. W.
Wheeler, W. R. & Co.
CANANDAIGUA—Kelly, Jno. H.
Lisk Mfg. Co.
CANASTOTA—Bemiss & Co.
Zapf & Co.
CANISTEO—Laine, Orton O.
CANTON—Howe Bros.
Jamieson Bros.
Tallman & Howe
CARTHAGE—Arnot, Wm.
Chaufty, R. & R. C.
Strickland, J. E. & Son
CASTILE—Cole & Andrus
CATSKILL—Conklin, Charles
Day & Holt
Jones, H. T. & Son
CATTARAUGUS—Jewell, J. H. & Sons
CEDARHURST—Haller, Paul
CENTRAL BRIDGE—Wessell, John W.
CHAPPAQUA—Tompkins, Amelia
CHARLOTTE—Hamlin, Wm.
CHARLTON—Smith, Norman & Son
CHATHAM—Welch, J. F.
CHAUMONT—George Bros.
CHERRY VALLEY—Bierman, Richard
Fox & Brien (Slate)
CHESTER—Conklin, F. L.
Thompson, J. T.
CHESTERTOWN—Vetter, Fred'k
CHITTENANGO—Gay, H. L.
CLIFTON SPRINGS—Judd & Leland Mfg. Co.
CLINTON—Allen, H. J. (Tinware Mfrs.)
Clark, Jas.
CLYDE—Bliss, Geo. S.
CLYMER—Hazen & Havercamp
COBLESKILL—Stilson, A. G. & Son (Slate & Metal)
Van Voris, I.
COHOES—Clark, Jno., 24 Willow
Golden, John B.
Loop, W. H., 44 Van Rensselaer
White, David (Slate etc.), 83 Ontario
COLD SPRING—Camp, F. M.
Murray, Mrs. M. A. & Son
COLD SPRING HARBOR—Nichols, Frank
COLLEGE POINT—(See New York City, Borough of Queens)
COOPERSTOWN—McEwan, Wm. L.
COPENHAGEN—McCuen, R. G.
CORFU—Palmer, C. O.
CORNING—Corning Mfg. Co. (Slate & Metal)
Williams, A. F.
CORNWALL LANDING—Taft-Howell Co.
CORNWALL ON THE HUDSON—Wood, T. J.
CORTLAND—Bennett Hardware Co.
Hollister, Hdw. & Plumbing Co.
COXSACKIE—Church, W. R.
CROGHAN—Tanzer, Chas. L.
CROWN POINT—Huestis, F. E.
CUBA—Olive & Warren
Sisson & Smalley
DANSVILLE—Bailey, J. J. & Son
DELHI—Graham, H. S.
DEPOSIT—Deposit Hardware Co.
Minor, A. P. & Son
DESPATCH—Cross, Geo.
DOBBS FERRY—Hammill, M. (Est. of)
DOLGEVILLE—Faville, W. H.
DRYDEN—Bartholomew, D. P.
DUNDEE—Beekman, Cleary & Van Lew
Bigelow, C. J. & Co.
DUNKIRK—Allenbrand, E. (Est. of)
Alling & Fields Hardware Co.
Bloss, Clark Co.
EAST HAMPTON—Grimshaw, S. C.
Northrop, O. H.
EAST RANDOLPH—Johnson, B. R.
ELLENVILLE—Rose & Childs
ELLICOTTVILLE—Doolittle, J. E.
ELMIRA—Barker, Rose & Clinton Co., 109 Lake
Burgess, F. S.
Connelly, Richard
Hughson, F. W.
Kelley, Danl. J.
Losie Bros. (Slate, Tile & Gravel), 305 Market
Young, Charles W., 114 Lake
ESPERANCE—Miers, Milton
EVANS MILLS—Hungerford, E. O.
FAIRPORT—Brydges, H. H.
Dunbar, Julia G.
Schummers, F. F.
FALCONER—Asker, Leonard
FAR ROCKAWAY—(See New York City, Borough of Queens)
FAYETTEVILLE—Mott Bros.
FISHKILL ON THE HUDSON—Conner, C. H.
Griffin & Howe
Yates, J. H.
FLUSHING—(See New York City, Borough of Queens)
FORT ANN—Lewis, E. A.
FORT EDWARD—Bowtell, C. W.
Newton & Hill
FORT PLAIN—Linney, Wm. T.
Stewart & Bergen Co. (Slate)
Williams & Tanner Co.
FRANKLINVILLE—Salisbury & Son
FREDONIA—Case & Zahm
Gould & Wells
Scott, F. W.
Slaght, C. S.
FULTON—Johnston, Geo. (Steel), 90 Glen
FULTONVILLE—Brace & Richtmyer
GARDINER—Miller, W. O.
GENESEO—Stevens & Vallance (Gravel & Asphalt)
GENEVA—Dorchester & Rose (Slate & Metal)
Phillips, Amos H.
Wilson, Wm.
GLEN COVE—Crandall, Fred. A. (Slate, etc.)
Seaman, S. J. (Slate)
GLENDALE—(See New York City, Borough of Queens)
GLENS FALLS—Delong's, Sons, 120 Glen
Thomas, H. & Son, 81 Glen
Whipple & Robinson, 134 Glen
GLOVERSVILLE—Bailey, W. F.
Batcheller, E. S. & Co.
Bramer, John L.
Graff, Isaac D.
Hanson, Abram
Hanson, Andrew & Son
Peek & Cooper
Shinville, H. G.
Slaght, E. T.
GOSHEN—Goshen Hdw. Co.
Kniffen & Hopkins
GOUVERNEUR—Katzman, A.
GOWANDA—Kammerer, Jno.
GRANVILLE—Henry, Geo. W.
Nelson, D. D. & Co.
Sullivan, P. J.
GREAT NECK—Best & Sutherland
GREENE—Beals, F. H.
GREEN ISLAND—(See Troy)
GREENPORT—Corwin, Aug.
Geehreng, John
Walters, F. L.
GREENWICH—Crandall, E. M.
Parker & Cleveland
GRIFFIN CORNERS—Angle, Edgar F.
Todd, A. H.
HAMBURG—Fish & Kronenberg
HAMMONDSPORT—Warren, G. F.
HANCOCK—Wheeler, Samuel S. N. & Son
HARRISVILLE—Crandall, H. D.
HARTFORD—Palmer, J. & Son
HASTINGS UPON HUDSON—Fallon, Martin
Will, Frank J.
HAVERSTRAW—Bedell Bros. (Slate)
Demarest, Alfred
Springsteen, Daniel
Tremper, Jas. E.
HEMPSTEAD—Carman, H. V. & Co.
Kelly, M. & Son, 98 Main
Seifert, George
HENDERSON—Thompson, Payson F.
HERKIMER—Metzger, Wm. F.
Palmer, C. W. & Co.
Pelton Bros.
HEUVELTON—Popple, Geo. N.
HICKSVILLE—De St. Leger, J.
Quaritius, John
HIGHLAND—Feeter, J. W. (Slate & Metal)
HILTON—Taber, Edson
HOBART—Carroll, A. S.
HOLLEY—Edwards, Ira
Payne & Trimble
HOLLIS—(See New York City, Borough of Queens)
HONEOYE—Knapp, R. H.
HONEOYE FALLS—Pride, Jas. M. & Son
HOOSICK FALLS—Abel & Brown
Dorr, Chas. M.
HORNELL—McGuire, C. F.
Roberts, Wallace
Rose, J. R. & Son
Shaut, M. J.
HUDSON—Benedict, Russel & Son
Davis, E. H., 11 N 6th
Macy, Frank A., 612 Warren
Rogerson, Jas. C. & Co.
HUNTINGTON—Hendrickson, A. P.
Stoyle, Wm. H.
IRVINGTON—Ackerman, Albert
Palmer, E. J.
ISLIP—Field, John B.
Williams, Wm. E.
ITHACA—Barr Bros.
Freeman, C. W. & Co.
Klenke & Drew
Rumsey, C. J. & Co.
JAMAICA—(See New York City, Borough of Queens)
JAMESTOWN—Clark Hdw. Co., 109 Main
Jamestown Roofing Co. (Felt), 165 E Second
Lewis, P. F. & Sons, 707 Main
Lloyd, E. D.
Marsh Bros.
Rosencrants, Elof & Co.
Venblow, F. A.
JOHNSTOWN—Lynes, Wesley
Randall, Frank
Rice, John C.
Van Nest & Goodwill
KATONAH—Kellogg & Mead
Tuttle, J. A. (Slate)
KEESEVILLE—Callahan Bros.
Sampson, Albert S.
KINGSTON—Dobbs, Samuel (Slate), 20 Ann
Gallagher, Fredk., 12 N Front
Thompson, Frank S., 43 N Front
Wieber, Henry E. (Est. of), (Slate, Iron, Copper & Tin
LE ROY—Taft, Fred L. B., 10 Main
LESTERSHIRE—Becker, C. D.
LIBERTY—Monroe Hardware Co.
LINDENHURST—Ramsauer, Henry, Jr.
LITTLE FALLS—Gibbs, Geo. D.
Lamb, David T.
Wilcox, W. H.
LOCKPORT—Burtis, Arthur L., 39 Beam
Emerson, Clark, 37 Market

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Higgs & Staples, 58 Main
Lambert Bros., 33 Locust
Moran, P. & Son, 32 Main
Stainthorpe, C. N. & Co., 126 Main
Walker, Wm. & Co., 6 Pine
Webber, Chas. W., 61 Main
NG ISLAND CITY—(See New York City, Bor. of Queens)
WVILLE—Fowler Bros.
Stoddard, M. A.
ZERNE—Kinnear, Wm. J.
ONS—Hartman, W. T.
Marshall & Noble
Nusbickel, Fredk.
LONE—Roby, Charles N.
Tulley, Jas. H.
Thompson, H. D. & Co.
MORONECK—Gedney, H. J.
Koffman, Henry
Leonard, Walter
NSVILLE—Huggins & Beebe
ATHON—Myers, Chas. S.
eamans Bros.
CELLUS—Mattison & Son
ION—West, A. A.
LBORO—Hughes, T. H.
SENA—Hutchins, James
TEAWAN—Alsdorf, Leander
ogers, D. C.
ITTUCK—Wickham, J. W.
VILLE—Sixbey, H. & Sons
ANICSVILLE—Allen, William H.
iker, S. C.
fford, Henry D.
NA—Acer & Whedon
inion Bros.
CO—Norton, W. H.
LEBURG—Sullivan, F. A.
LE GRANVILLE—Rogers, A. N.
LEPORT—French, Edgar B.
rwood, A. G.
LETOWN—Brink & Clark, 28 North
ahach, Cuno (Slate & Metal)
alm, Geo. A. & Son Co., 18 North
EVILLE—Whiting, Jas. F. & Son
ROOK—Merritt & Colville
e, B. J.
olheater, Benj.
RTON—Paine, J. R. & Son
N—Goehrenger, Wm. A.
VK—Adams & Co.
ardson, J. G.
E—Knight, C. S.
h & Strebel
OMERY—Brown Bros.
ELLO—Purdy & Demerest
h, Warren
son, J. F.
IA—Small, F. & Sons
KISCO—Gorham, David F.
MORRIS—Osborn, E. B.
ll & Coultey
er, J. C.
VERNON—Hoffman, K., 40 N Bond
taff, Jno. (Slate), 119 N 4th av
n, Jacob, 48 Mt. Vernon
F. T. (Metal & Slate), 11 S 3d av
James H.
t. H. C.
—Bolles Hardware Co.
SBURG—Anderson, Jno. S.
—Calkins, Chas. H.
BRIDGE—Montondo, J. N.
—Rabrowsky, Herman
ZLIN—Halstead, H. J.
GHTON—(See New York City, Borough of Richmond)
GH—Atlas Roofing Co. (Slate, Metal & Tile)
r, Henry, 135 B'way
rs, Jas., 162 B'way
an, Robert
Thos., 476 B'way
gh Cornice Works (J. Farber, Prop.) (Slate, Metal & Gravel)
A. H., 130 Water
& Co. (Slate, Tile & Metal), 107
RZ—Elting, Jno. Liberty
ck & Weismiller
HELLE—McGovern & John
h, James

NEW YORK CITY.

Borough of Brooklyn.

—Ahern, Andrew W., 24th av, nr
Roofing Co., 1530 Fulton Bath
Geo., 38 Reeve pl
Jno., 202 Sackett
s, Samuel, 522 Hicks
Andrew Co., 136 S 8th
as. & Co., 594 Lafayette av
Wm. H. (Comp.), 582 Metropolitan av
r F., 1622 B'way
Hy., 505 De Kalb av
Berlin, Max, 285 Watkins
Berman, Max, 175 Division av
Betteke, John H., 581 DeKalb av
Biffi, Wm. T. (Comp.), 339 Flatbush av
Black, Samuel, 77 Walton
Black, Thos. F., 98 S. Elliott pl
Blakeman, Aaron, W 3d nr Park pl
Blecher Bros., 49 Nostrand av
Blitstein, Michael, 272 Van Brunt
Boegeman, Hy. F., 4314 3d av
Borough Roofing Co., 1104 B'way
Boston Gravel Roofing Co., 368 Graham av
Boyd, James J., Jr., 235 55th
Boyle, Thos. P., 820 Fulton
Bradford, F. W., Bay 19th nr Bath av
Branagan, T. J., 448 Gates av
Branagan, Wm., 2001 Nostrand av
Brody, Tobias, 558 DeKalb av
Brooklyn Roofing Co., 407 3d av
Brooklyn Tinning Co., 63 Frost
Browne, Harry H., 3702 New Utrecht av
Buchanan, Wm. (Slate, Metal, Gravel, Tile & Slag), 488 Sullivan av
Buchholz, Richard
Buell, C. S. Co. (Comp.), 26 Court
Burger & Gohlke, 232 7th
Burke, Andrew, 578 Bushwick av
Burke, E. J., 157 Adelphi
Campbell, John J., 511 53d
Carolan, John, 571 Wash'n av
Carroll, James, 173 Tillary
Case & Terry, 2206 Church av
Cassidy, Jno., 99 Bay
Cattie, Julius, 495 Flushing av
Chadwick, Wm., 9 Marion
Chapman, Chas. H., Jr 39 Hull
Clark, Wm. F. Co., 315 4th av
Clarke, Alexander, 248 Smith
Cleveland Bros., 1769 Fulton
Clifford, Neil, 382 Union
Coal Tar Product Co. (Gravel, Slag, Composition), Smith c Creamer
Cohen, Henry (Comp.), 395 Rockaway av
Comins & Evans (Comp.), ft of Smith
Commonwealth Roofing Co. (Comp., Gravel, Slag & Tile), ft Smith
Conley, William, 710 Coney Island av
Conley, William T., 177 7th av
Conlon, Francis J., 276 Court
Conner, Dennis A., 1534 Flatbush av
Conroy, Jos. F., 5319 5th av
Cooney, James F., & Son, 645 DeKalb av
Corporation Cornice & Skylight Works, 5215 4th av
Craig & Brown, 421 20th
Craw, W. R. & Bro., 137 Stone av
Cullen, Jas., 93 Hamilton av
Curry & Co., 256 Flatbush av
Daisley, David & Son, 8 St. Felix
Danner, John J., 73 Nelson
Davis, John Sons, 170 Court
Dearing, Louis, 874 Myrtle av
Deboer, Hy. J., 52 Snyder av
Decker, Fred'k, 251 15th
Degel, Henry, 362 Prospect av
Dehler, Peter J., 118 Dresden
Delukey, Anthony, 31 York
Delegro, Antonio, 243 Nassau
Delegro, Joseph, 186 4th av
Dengel, George, 3914 3d av
Dennis, Charles E., 341 5th av
Dietrich, Fred (Comp.), 1077 Grand
Doran, Patrick J., 95th & 4th av
Dunnigan, Jas. A., 478 Court
Duryea, Egbert L., 130 Franklin
Ehrhardt, Fred'k J., 75 Morgan av
Elkin, Louis, 224 Reid av
Emmet, Chas. E., 755 Gates av
Empire City Roofing Co., 1079 Grand
Ernst, Geo. W., 528 Central av
Esperson, Wm. E., 143 Clermont av
Fausel, Emil, 201 Cleveland
Feldman, Benj., 265 Sackman
Feldman, Simon, 26 Moore
Fields, Jno. J., 289 Court
Fitzpatrick, Wm. J., 85 7th av
Flanagan, Thos. P., 4th av & 88th
Foos, Chas. & Son, 64 Stagg
Fox, George & Son, 6904 3d av
Fox, Joseph, 485 Marcy av
Friedberg & Klein, 278 Division av
Friedman, A., 601 Myrtle av
Friedman, Henry, 1405 Myrtle av
Friedman, Ignatz, 615 B'way
Friedman, Leon, 651 Bushwick av
Friedman, Sam'l, 186 Central av
Friedman, S. M. Co., 95 Cedar
Frommer, Morris, 415 Wallabout
Fuchs, Anz., 313 Central av
Fuchs, Louis, 1267 Gates av
Gartenberg, Morris, 426 6th av
Gerhard, Thomas, 246 Stagg
Gerin & Madnik, 353 S 5th
Germer, Herman, 456 3d av
Gerschedt, Joseph, 227 Smith

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Gibbs, Amos J., 1380 B'way
Godzaro, Peter, 415 Park av
Goldberg, Nathan, 64 Manhattan av
Goldstein, Morris A., 347 Osborn
Goodenough, Thos., 296 Flushing av
Goodstein, Chas., 23 Glenmore av
Gordon, Louis W., 805 Marcy av
Gordon & Son, 352 Stone av
Gorman, Frank, 1096 Jeff'n av
Gowanus Roofing Co., 337 Butler
Grafton & Son, 663 Baltic
Grobgeld, Harris, 3060 Fulton
Groen, Wm., 203 Wyckoff av
Guntz & Peterman, 2273 Church av
Guthy, Peter, 903 Herkimer
Haines, Archibald, 87 Fulton
Halpin, Jas, 936 De Kalb av
Hamilton, James, 326 Myrtle av
Harris, Jacob, 65 Court
Harris, John, 607 Marcy av
Harrison, Morris, 93 Gerry
Hartmann, Victor, 689 Flushing av
Hartstein, Morris, 1398 Myrtle av
Hatfield, Geo. E. Co. (Felt, Gravel, Asphalt, Slag & Metal), 314 Flushing av
Healy, H. E., 63 4th av
Heiser, Francis C., 650 Gates
Heller, George, 368 B'way
Helprin, Simon, 4910 3d av
Hershowitz Bros., 702 Evergreen av
Hilzinger, A. J., 1854 Fulton
Hindley & Pendleton, 74 Greenpoint av
Hochschwender & Leitzgen, 734 Coney Island av
Hoellerer, Jos., 91 Union av
Hofmann, A., 219 Hart
Hohs, Leo, 328 Hart
Huber, John F., 79 Driggs av
Huchital, Herman, 1391 E. N. Y. av
Huckans, Jno., 317 7th av
Jacobs, Adolph E., 98a Ralph av
Jankowitz, Jacob, 444 DeKalb av
Jasper, Nathan, 302 Met. av
Jerry, Max, 410 Keap
Jones, Ira D., 555 Coney Island av
Joseph, Louis & Co., 812 Gravesend av
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Katz, Kreindler & Midgen, 451 Watkins
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Kentana, Louis, 4214 5th av
Kerrigan, Wm. F., 331 Warren
Kestenbaum & Klein, 32 Tompkins av
Ketels, Volkert C., 155 31st
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Killeen, James, 405 3d av
Kirch, Chas. & Son (Slate), 107 Liberty
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Koeppen, Helmuth, 190 G'point av
Krimsky, Kavshansky & Lemberg, 29 Liberty av
Kroll & Friedman, 21 Watkins
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Lebit, Abraham, 529 Marcy av
Lechner, Fred., & Co., 127 Troutman
Lefkowitz, Hyman, 731 Met. av
Levine, John K., 616 Fulton
Levitt, Nathan, 784 3d av
Liebich, George, 613 Wash'n av
Lieman & Katz, 206 Ralph av
Lipsich, David, 981 3d av
Long Island Roofing Co., 186 4th av
Lucks Bros. & Kramer, 548 Grand
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McBride, Chas., 584 4th av
McDonald, Norman, 58 Willoughby
McFarlane, Geo., 458 DeKalb av
Maier, Henn, 26 Beaver
Maier & Pesach, 26 Chester
Marcus, Jacob, 893 DeKalb av
Maresco, Jos., & Son, 243 Columbia
Masman & Silverstein, 841 39th
Mayer, Ernest, 309 Hamburg av
Meadon's, T. J., Sons, 51 Greenpoint av
Meeks, Jno., 7614 3d av
Meistner, Louis, 4804 3d av
Menninger, Hy. J., 384 Jay
Meyer, Louis, 142 McKibbin
Meyerowitz & Silberstein, 5 Whipple

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Miller, Justus C., 472 Bergen
Moeller, Herman, 229 Atlantic av
Molloy, Henry J., 1074 39th
Muller, E. A., & Bro., 687 4th av
Musaus, John, 5912 New Utrecht
Nagele, Henry, 208 Bradford
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Neilsen, Emanuel, 35 Newell
Neilson, Oscar, 275 39th
Neubeck, John P., 163 Montrose av
Noelsch, John, 249 Johnson av
O'Brien, Daniel I., 6311 5th av
O'Brien, John H., 5510 3d av
O'Brien, John V., 119 15th
O'Neill, Thos. F., 472 4th av
Pasternacy, H. & Bro., 503 Lex. av
Pasternacy, Sam'l, 1067 Myrtle av
Pierce, Robt. J., 56 Wyckoff
Pless, R. & Son, 195 Atlantic av
Reagan, John, 188 Skillman
Rehn, Theo., 67 Dean
Reiser, Louis, 582 Rockaway av
Reizen, Louis, 597 3d av
Ribman, Louis, 900 Gates av
Richmond, Elijah, 122 N 5th
Ricker, Sam'l, 525 Flushing av
Ringswald, Andrew, 1042 Flushing av
Roberts, Frank, 337 Butler
Roberts, John C., & Co., 621 DeKalb av
Robins, Chas., 3715 Ft. Hamilton av
Roedelberger, Chris., 2736 Atlantic av
Roediger, Chas. A., 842 Gates av
Rosensweig, Abraham, 4710 3d av
Rosenthal & Weisinger, 66 Morrell
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Roth, Nathan, 927 DeKalb av
Rubenstein, Morris, 376 9th
Samuels & Schumacher, 306 B'way
Schmalheiser, Sam'l, 827 Park av
Schmidt, I., 514 39th
Schmidt, Joseph, & Son, 811 Flatbush av
Schmitt, George, 312 18th
Schmidt, Geo., 641 Glenmore av
Schmitz, Henry, 92 Concord
Schmerzler & Schwartz, 725 Atlantic av
Schneider, Jacob, 2024 Fulton
Schnitzpan, H. L. (Slate & Metal), 800 Wythe av
Schukal, Fred'k R., 195 Myrtle av
Schuladen, John, 310 51st
Schulz, Jacob, 234 Central av
Schumacher, Bernard (Slate), 564 Hamburg av
Schuman, Jacob, 165 Thatford av
Schumann, Heney, 4824 3d av
Schwartz, Samuel, 814 Myrtle av
Schwenker, Chas., & Bro., 207 Court
Schwoerer & Co., 1120 Gates av
Scully Bros., 457 Court
Shatzky & Schwartz, 316 E. N. Y. av
Sherotzky, Morris, 203 Smith
Shipman, Harry, 849 Yates av
Shute, Elijah M. (Slate), 657 Gates av
Siepermann, Fred'k., 410 Halsey
Silver & Shriebman, 512 Ralph av
Singer, Morris, 109 N. 6th
Sirota & Redlich, 205 E. N. Y. av
Slinker, Joseph, 227 S 9th
Smith, Chas. W., 307 Humner av
Smith, O. C., 1104 St. Johns pl
Smith, Wm. H., 2576 Atlantic av
Smukler, Abraham B., 696 Kates av
Spitzler, Jacob, 467 7th av
Spitzler, Sig., Sea Breeze av & W 5th
Stahman & Vennoh, 1807 Benson av
Stander, David, 1017 DeKalb av
Stander, Max, 300 Bushwick av
Stanton, James J. (Gravel, etc.), 50 Franklin
Steffens, C., & Son, 523 Liberty av
Steinberg, Morris, 123 Johnson av
Stenger, Andrew, & Sons (Comp.), 247 Melrose
Stoddard, Richard H., 489 3d av
Stoecker, Oscar, 873 Grand
Studley & Ibbotson, 070 B'way
Stuprich, John, 166 3d av
Stone, Abraham, 26 Boerum
Sullivan, Hugh, 158 Park av
Swenson, Geo. A., 115 4th av
Taylor Bros., 250 18th
Tietje, Herman, 86 Suydam
Tisch, John, Conklin & Rockaway av
Tolman, Chas., S Noll
Traurig, Bernard, 1412 Gates av
Van steenbergh, Maurice P., 9 Gates av
Ventriere, Carmine, 127 Hudson av
Verkloosky, Harry, 1520 B'way
Vincent, J. & T., 406 Gates av
Voorhees, Edward, 203 Chestnut
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Wallabout Roofing Co. (Comp.), 296 Flushing av
Wallace, John W. Co., 396 S 2nd
Warner, Richard H., 319 Sumpter
Watts, H. P., 378 Grand
Webber, Paul, 215 Irving av
Weinstein, Abraham, 703 De Kalb av
Weiss, C. A., 232 Knickerbocker av
Weiss, Samuel, 1001 39th
Welch, F. H., 761 Flatbush av
Wexler, Anton, 637 Met av
White, Frank, 220 Leonard
White, Henry, 83 37th
White, Jas. Co., 448 Adelphi
White, William, 841 Sterling pl
Whitley, John (Comp.), 215 Fulton
Widen, John E., 87 S Elliott pl
Widlake, Henry, 1156 Fulton
Wilhelm, Hugo, 198 5th av
Williams, John, 225 Central av
Wilson, George, 612 Myrtle av
Wilson, Wm. T., 655 Dean
Wolf, Reuben, 16 Thatford av
Wouters, Frank S., 294 Marcy av
Wright, Edgar E., 753 Lincoln pl
Yachnowits, Jacob, 156 S 1st
Young, John S., 416 Nostrand av
Young, Samuel J., 483 De Kalb av
Young, Wm. R., Jr. (Slate), 169 Lorimer
Yung, John S., 843 De Kalb av
Zaslav, Wm., 488 Rockaway av
Ziemer, Adolph, 101 Berry
Zimmerman, Louis E., 483 Humboldt

Boroughs of Manhattan & Bronx.

NEW YORK—Abbott's, M. Sons, 137 8th av & 638 Columbus av
Ackerman, John W., 413 W 24th
Acme Roofing Co. (Comp.), 156 5th av
Aeolian Plastic Slate Roofing Co. (Comp. & Fireproof Plastic Slate), 168 W 23d
Albrecht, Max, 1681 Lexington av
Altholz, Kalman, 85 Attorney
Altschu, Geo. F., 210 E 57th
American Asphalt Roofing Co., 220 B'way
American Protective Roofing Co., 220 E 74th
AMERICAN CONCRETE CO. (Fireproof Gravel & Concrete), 80 William. (See adv. index, end of book)
Am. Roofing & Paint Co. (General), 79 Maiden lane
Anderson, Albin, 291 E 137th
Andren, Hulda, 430 W 40th
Apartment House Roofing Co., 1135 B'way
Asphalt Ready Roofing Co. (Comp.), 136
Bauman, Jos. & Son, 79 E 4th
Baumann, Philip, 1153 Walker av
Baumgarten, Hyman, 2303 8th av
Beer, Andrew (Slate & Metal), 223 W 35th
Beer & Hess (Slate & Metal), 223 W 35th
Bebringer, Emil, 45 Fulton
Berger, Harris, 55 Westchester sq
Berglund, Charles & Son (Metal), 774 3d av
Bergmann, Louis, 716 Greenwich
Bickhardt, Andrew (Slate), 3466 Webster
Biller, Samuel, 157 Suffolk av
Blauvelt, Thomas A., 2618 3d av
Blayer, C., 20 Bradhurst av
Blechner, Albert, 677 Bergen av
Bloettner, Joseph J., 1067 E Tremont av
Bluhm, Louis J., 143 1st av
Bois Sheet Metal Works, 562 W 34th
Bologh, Philip, & Co., 2572 Park av
Borkel, John & Co. (Metal), 42 E Houston
Bornstein, Emanuel, 528 E 13th
Bornstein, I., 1940 1st av
Bowsky, Leopold, 164 E 52d
Brandt Roofing & Sheet Metal Co., 258 E. 135th
Breivogel, George & Son (Slate & Metal), 46 Rose
Bronx Guarantee Roofing Co., 773 Westchester av
Burnell, Chas. H., 804 9th av
Butler, Pierce (Slate), 581 Grand
Buttner, Henry (Comp.), 2555 3d av
Callahan, Thos., 511 E. 174th
Carber & Carber, 1414 Wmsbridge rd
Carlson, Axel E., Timpson pl & 145th
Casmento Roofing Co. (Comp. & Plastic Slate), 160 5th av
Caspar, Samuel, 305 E 4th
Celia, Chas. A., 765 E 169th
Central Sheet Metal Works, 302 E 96th
Chattanooga Roofing & Fdry. Co., 440 Greenwich
Chesner, Jacob, 197 Broome
Chipman, Julius, 510 W 51st
Christiansen, Charles, 3 Coenties sl

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Coal Tar Product Co., 77 Maiden la
Comins & Evans (Comp.), 17 Battery pl
Commonwealth Roofing Co. ("Elmer Slag, "Warren's Anchor Brand," National Asphalt & Gravel, Brick & Tile Roofing), 17 Battery pl
Connelly, Thos. F., 104 7th av
Conti Bros., 163 W 23d
Coot, John F. (Metal), 94 Greenwich av
Corcoran Bros., 941 6th av
Cowdrick, John W., 448 W 19th
Craft & Camber, 12 E 116th
Crager, Seemon, 14 Carmine
Crotty, Edward J. (Slate), 87 Pearl
Cudlipp, John A., 43 2nd av
Cunnion, Jas. & Son (Slate, Metal etc., 1661 Pitkin
Curry, P. & Son, 61 Wooster
Daisley, D. & Sons, 507 Madison av
Daniels, Wm. & Co., 158 E 34th
Davidowitz & Schwartz, 46 1st av
Davis, Edward A., 2124 B'way
Davis Bros. (Slate), 311 E. 148th
Deegan, Edw. J., 4185 3d av
Delhifer, Henry V., 174 Lewis
Dexheimer, Henry, 305 W 123d
Dexheimer, Matthews, 2478 8th av
Diamond, Jacob & Son, 436 6th av
Diamond, Moses S., 409 4th av
Diamond, Solomon, 35 3d av
Diedtrich, August, 1712 Cruger av
Dietze, Oscar, 242 E 80th
Doerr, Peter, 98 W 63d
Dreyer, Gustav, 511 Grand
Doran, Edward, 476 Hudson
Dumler, Emanuel, 521 W 42d
Dunn, Lawrence J., 164 E 120th
Dusenbury, Wm. W., 9 Coenties sl
Eagle Roofing Co., 165 E 31st
East Side Roofing & Contr. Co., 371 Lexington av
Eastern Granite Roofing Co., 17 Battery pl
Eberly, Edward, 223 E 100th
Eckert, Wm. D. & Son (Metal), 438 W 18th
Edelmann, Geo. P., 796 Home
Eichele, John, 431 W 41st
Eis, Samuel W., 1825 3d av
Eisenberg, Samuel, 202 5th av
Eisner, Adolph, 165 E 105th
England, Richard & Son, 125 W 42d
Enoch, Joseph, 317 E 45th
England, Richard & Son, 49 W 20th
Epstein, Hyman, 418 W 39th
Erker, Adam M., 432 W 37th
Essenwanger, Charles (Slate), 28 1st
Ettinger, Joseph, 426 E 9th
Evans, J. H., Webster av c 200th
Eyth, Frank F., 861 Westchester av
Fall, Eben L., 415 W 125th
Faybik, John, & Co., 650 E 12th
Farrell, Michael J., 1319 3rd av
Feiner, Philip, 712 9th av
Feld, Max, 949 Home
Ferguson & Steinberg, 250 3d av
Fidler, Wolf, 304 E Houston
Fine, Morris, 1801 1st av
Fitzsimons, M., 47 Beekman
Fitzsimmons, Shiller & Co., (Metal) W 18th
Flanagan, John (Firm of), 304 4th av
Fleming, Thos. P., 1855 Washington
Foley, James, 485 Columbus av
Fordham Cornice Works, 684 Pelham
Franklin Roofing Co., 2244 Jerome av
Freyberg, Richard H. (Metal), 2288 3d av
Fuchslocher, Louis, 518 6th
Furlong & Furlong, 221 E 125th
Gabler, Frank M., 2208 B'way
Galm, Charles, 653 Morris pk av
Gear, John, 334 E 86th
Gehm, John, 576 E 138th
Gehnrich, Herman, 69 Rutgers slip
Geiger, Gustav B., 832 3rd av
Genasco Roofing Co. (Comp.), 30 Church
Germania Roofing Co. (Comp., General
Giegerich, Jno. M., 424 E 57th

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Giovanna, George, 144 W 25th
Glines Roofing Co. (Comp.), 138 W 17th
Goldstein, Abraham (Slate), 329 E 10th
Gluckmann Bros., 628 10th av
Goldman, Nathan, 416 E 15th
Goldwasser, Max, 613 Columbus av
Goldwasser, Philip, 674 Columbus av
Goodwine, Philip M., 20 8th av
Gorman & Lees, 1170 B'way
Gordiewsky, Louis, 3834 3rd av
Gordon, John, 19 W 64th

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Graham, Wm. H., 325 W 54th
Gratz & Herman, 2032 Lex av
Greater New York Tin & Tar Roofing Co., Green, S., 47 W 116th 1440 Park av
Greenthal, B., 1185 Washington av
Greise, Andrew & Co., 266 W 21st
Greenthal, B., 1185 Washington av
Griffin Roofing Co. (Plastic Slate, etc.), 506 W 26th
Griggs, Henry H. (Metal), 168 W 25th
Croll & Smith, 546 W 40th
Gromborg, Chas. C., 819 10th av
Grossman & Geringer, 300 E 59th
Guarantee Roofing Co., 79 E 4th
Gunzenhauser, Philip, 329 9th av
Hagner, Julius, 771 2d av
Hahn, August, 304 W 41st
Hallet, John E. (Slate), 736 E 220th, Wmsbridge
Hamovitz, Abraham F., 282 9th av
Hanover, Martin H., 789 Amsterdam av
Harlem Roofing & Waterproofing Co. (Comp., etc.), 147 E 125th
Harris Roofing Co. (Comp.), 215 E 64th
Harrison, David, 211 E 116th
Hartenstein, Carl, 209 E 81st
Hassig & Miller (Slate), 231 W 29th
Hay, Peter & Co., 804 5th
Heil, Henry G., 501 W 145th
Heldridge, Wm., 977 Rogers pl
Heller, Benj., 239 E 121st
Heller, Frank, 371 7th av
Heller, Paul, 72 6th av
Helmrich, John, 1294 Intervale av
Herche, Albert W., 907 E 232nd
Herzenberg, Abraham, 464 8th av
Hession, John J., 1737 Avenue A
Hessler & Lang, 592 Lenox av
Herz, David Sons, 1489 3d av
Higgins, George S., 128 Lawrence
Hilts, William H. Co., 82 W 3d
Hoar, Albert, 121 E 75th
Hoellerer, Philip I., 517 5th
Holtzgreen, Philip, 109 Avenue C
Homann, John, 472 W 153d
Hooker & Co. (Slate), 347 5th av
Horner, Jos., 505 5th
Hulbig, August, 121 W 30th
Israel, David, 300 W 48th
Independent Roofing & Cornice Co., 161 Broome
Izmirian, Chas., 4417 3rd av
Izmirian, D. & J., 4234 Park av
Jacoff, Lewis, 608 E 9th
Jacquin, Jas. A., 58 West
Johnson, Albert, 165 W 25th
Jampol, Samuel, 1738 Fillmore
Janofsky & Klein, 773 Westchester av
Jampol & Martz, 650 German pl
Kahn, Jonas, 1258 3d av
Kalbert, A. & Son, 170 E 3d
Kane, Morton F., 726 Lexington av
Katke, R., 82 1st av
Katzer, Wm., 253 W 35th
Keavey, Michael (Slate), 887 Hudson
Keil, Francis X., 1010 Kelly
Kempe, Arthur, 251 E 84th
Kennedy, James C., 1096 Lind av
Kesten, Morris, 648 6th av
Kestenbaum, Wm., 1786 1st av
Keyes, Thos. (Est. of), 212 Amsterdam av
Kinsler, Herman, 491 Canal
Kirk, Chas. H., 1109 Washington av
Kohlmann, Hy., 1380 Theriot av, Van Nest
Kosminsky, Isidor, 1107 3d av
Kramer Bros., 24 W 116th
Kraus, Otto J., 3525 3rd av
Kraushar, Henry, 209 Greenwich
Kuhn, John F., 987 2nd av
Kukelhorn, Jos. & Co., 8 Peck slip
Kuntsman, Andrew, 219 W 88th
Kunze, Charles, 251 E 43d
Ladsin, Harry, 2754 B'way
Lamb, Chas., 956 Lexington av
Langberg, Chas., 368 W 51st
Lankinsky, Benett, 202 W 27th
Laufer, Samuel, 2617 3rd av
Laura, John & Co. (Slate & Comp.), 322 E 24th
Lazarus & Hirschenfeld, 180 Ave C
Lembke, Wm., 691 E 133rd
Lenox Tile, Slate & Metal Roofing Co., 592 Lenox av
Leonard Sheet Metal Works (Slate, Tile & Metal), 1123 B'way
Sauvage, John, 63 Duane
Levine, Herman, 811 Columbus av
Levitt, Samuel, 656 10th av
Levy, Leon, 368 E Houston
Levy, Zalig, 822 2nd av
Liedenberg & Lipner, 76 Clinton
Likman, Robt. T., 140 Watts
Liible, Aug. H., 6 Sullivan
Lion, Geo., 810 E 155th
Lirburrow, John E., 500 W 147th
Loeschloss, Edgar, 46 Greenwich av
Lupton's, David Sons Co. (Slate, Tile & Metal), 50 Church
Luttinger, Joseph, 216 E 84th
McCarthy, Joseph, 465 Pearl
McCarty, J., 580 3rd av
McDonough, John, 545 Broome
McFARLAND, J. C. & CO. (Slate, Metal & Tile), 213 & 215 E 44th. (See adv. index. end of book)
McGlade, Harry, 367 E 143d
McHugh, M. & Son (Comp. & Slate), 509 W 42d
McKeever, Martin C., 349 E 133d
McKeever, Timothy W., 349 E 133rd
McLaughlin, John A., 40 Crosby
Mager & Feldstein, David (Metal), 90 Division
Mahon Bros. (Slate & Metal), 1982 Park av
Malloy, Matthew, 178 E 85th
Mandel, John, 215 E 34th
Manhattan Tin Roofing Co., 118 E 109th
Mantel, Charles & Son, 263 W Houston
Marshall & Co. (Slate), 281 E B'way
Martin, Alex. & Sons (Comp.), 465 3rd av
Martin, Wm. F., 446 4th av
Materszewski, John F., 389 Bleecker
Mathews, W. J. Co., 1960 Park av
May, Wm. M. Co., 798 11th av
Mayer, Conrad, 40 Bond
Melchior, Fred'k, 1041 Park av
Melee, Walter E., 187 Columbus av
Mery, Frank, 234 9th av
Meyer, Benj., 276 W 115th
Mica Roofing Co. (Comp.), 17 Battery pl
Michelsohn, Michael, 502 Wendover av
Miles, Wm. G., 113 W 60th
Miller's, John Sons, 461 W 52nd
Miscovsky, Anton, 488 E. 74th
Molle, Edward, 86 8th av
Moore, Thomas, 499 W 158th
Moore, Thomas, 189 E 64th
Morgan, John, 179 E 77th
Morio, George, 96 Ave A
Moritz, Isaac, 1192 2d av
Moritz, Moses, 1091 2nd av
Morrison, I. & Co., 520 W 49th
Morrison, Richard H., 1231 3d av
Morrow, John Co. (Slate & Metal), 225 W 50th
Muller, George H., 879 Home
Muller, R. & O., 358 E 151st
Muller, Samuel (Slate), 566 11th av
Murphy, George M. (Slate & Metal), 43 New Chambers
Muskat, H. E., Walton av c 182d
Neill's, John Son, (Slate & Metal), 434 W 17th
Neumann, Louis (Est. of), 887 3d av
New, T. Construction Co. (Comp., Brick, Gravel, Metal & Tile), 520 W 29th
New York Guarantee Tin & Tar Roofing Co., 206 E 100th
New York Roofing Co. (Comp.), 518 E 23d
Nicholson & Galloway (Slate), 644 Hudson
Nicsky, Frank, Jr., 618 11th av
North Side Cornice & Roofing Co., 1530 Castle Hill av
Northern Sheet Metal Works, 515 Court-
O'Brien, D. J., 347 W 48th landt av
O'Brien, John H., 61 Ann
O'Callaghan, Thos., 238 Columbus av
O'Crowley, Michael F., 26 Ann
Odell, Chas. W., 11 E 125th
O'Leary, Thos. & Son, 235 Center
Olinsky Bros., 164 Madison
Parker Sheet Metal Works, 856 11th av
Parshall, Benj. C., 103 Christopher
Pasewark, Chas. H., & Co., 347 E 105th
Passlack, Frank, 4392 Park av
Pels, Alfred, 1232 3rd av
Perske, Francis, 439 E 92d
Pfeifer Bros., 473 Greenwich
Plotkin &Gelfand, 207 Division
Plunkett, D'Arcy B., 531 11th av
Polhemus, Aaron T., 171 B'way
Poll, Michael, 897 3d av
Pollot, Paul, 460 W 149th
Preusser, John (Metal), 302 W 122d
Quetting, Abraham, Jr. (Slate), 317 Madison
Raab & Wolfson, 203 E 15th
Raifman, Samuel, 76 Columbia
Rauch & Brettles, 307 E 48th
Ravensburg, John, 196 9th av
Ramsland, Bert N., 109 W 84th
Richards, John (Slate), 2199 8th av
Rea, Andrew L., 812 Westchester av
Reich, Emil, 111 3rd
Reinshagen, John, 79 Allen
Reliable Roofing & Damp Rfg. Co., 949
Reul, Matthew, 752 9th av Home
Richman, Isidor, 348 E 119th
Richman, Joseph, 1657 Madison av
Ronou, E. A., 1734 Park av
Rice, Barth J. (Slate, Tile & Metal), 578 W 130th
Robinson, Geo., 363 W 52nd
Rochelle Roofing Co., 314 Madison av
Roof Maintenance Co. (Comp. & Metal), 114 E 130th
Roofing Guarantee Co., 79 E 4th
Rosenbluth, Philip, 792 11th av
Roth, Max, 26 Ave C
Rosse, Isaac, 61 Norfolk
Rosner, Henry, 971 Amsterdam av
Royal Roofing Co., 345 E 115th
Rudman, Charles, 59 Fulton
Sacks, Herman, 1482 2nd av
Sacks, Hyman, 1182 2nd av
Samlovitz, Max, 302 E 96th
Samuels, Louis, 2193 5th av
Sander, Samuel, 751 E 163d
Sander, Wm. A., 301 E 26th
Saron, D., 2164 Madison av
Schery, Nicholas J., 303 E 64th
Scherrer, Conrad (Metal), 448 7th av
Schmilowitz & Nathanson, 4 Mott
Schmitt, August, 214 E 181st
Schmitt, Gustav, 517 W 43d
Schneider, H., 122 W 101st
Schneider Sheet Metal Works, 161 E 84th
Scholtz, F. W., 685 E 220th
Schubert, Robt., 1315 2nd av
Schumacher, Jacob, 1980 Park av
Schwartz & Aronowitz, 24 Catherine
Schweid, Samuel, 161 Wooster
Schwoerer, Anthony, & Sons, 530 E 80th
Seng, Fred., 61 E 125th
Seitelbach, Max, 364 3d av
Severin & Brandin, 235 7th av
Shaw, Chas. H., 4181 Park av
Shipman, Margaret (Metal), 510 W 51st
Silberstein, Joseph, 49 Ave D
Silverman, Samuel, 200 E 87th
Smith, Chas. A., 827 Columbus av
Smith, Louis, 138 Division
Smith Roofing Co., 201 E 13th
Smith & Dorsett Co. (Slate, Tile & Metal), 405 E 47th
Southern Roofing & Repair Co., 147 E 23d
Sperzel, Chas. H., 1222 Bryant av
Spoder & Gosowsky, 161 Broome
Standard Damp-Proofing & Roofing Co., 2652 Park av
Star Cornice, Skylight & Roofing Works, 569 3d av
Star Roofing Co., 2 Stone
Stillman & Fried, 17 E B'way
Storch, L. A., & Co., 517 E 73d
Sturman, Abraham, 271 Division
Thompson, Duncan, 78 Av D
Trillich, Henry (Slate), 756 6th
Trube, Fred. A., 1662 3d av
Tuttle Roofing Co. (Brick, Tile, Gravel & Slag), 522 E 20th
Tyler, Frank J. (Metal), 200 W 18th
Unger, F. J., 83 1st av
United Cornice & Skylight Works, 158 Lewis
Urdang, Benj. L., 311 Columbus av
Viereck, Albert O., 421 3rd av
Vincent, W. E. D., 133 E 118th
Vogt, Geo. J., 312 E 60th
Voight, Geo., 627 Meade
Vordermeier, Robt., 982 Forest av
Wagner, Jacob, 247 3rd
Waidelich, Geo. & Son, 225 10th av
Wald & Reipp, 286 8th av
Walker, Wm. T. (Slate), 3357 3d av
Walsh, Michael, 548 Grand
Walther, Max, 532 E 142d
Warren-Ehret Co. (Comp.), 17 Battery pl
Washa, Wm., 842 1st av
Weber & Homberg, 345 E 9th
Weinberg, Herman, 211 E 117th
Weine Cornice & Roofing Co., 1761 Lex av
Weinstein, Hyman, 163 Madison
Weisfelt, Abraham, 7 W 118th
West Star Roofing Co., 302 Amsterdam av
Westegren, M. F. (Slate), 213 E 144th
Whitaker, J. Frank, 257 E 118th
Wildman, Jos., 150 Columbus av
Wills, William H. & Son, 218 E 27th
Winter, Jacob Co., 712 Lexington av
Winters, Charles, 848 W 12th
Wolff, Chas., 117 Cedar
Wolfson, Joseph, 1506 Amsterdam av
Wonderlich, Samuel, 748 9th av
Yorkville Roofing Co., 200 E 99th
Zawar, William, 339 E 9th
Ziegler, Jacob, 164 6th av

Borough of Queens.

BAY SIDE—Robertson, F. B.
CORONA—Glickman, M. & Sons
Glickman, M. & Sons
Hartman, Charles & Son
EVERGREEN—Weber, Paul
TARRYTOWN—Curtiss, C. H. & Co.
Kuntz, H. L.
TICONDEROGA—Bascom, D. C.
Brust, F. L.
Lamson, W. H. & Son

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FLUSHING—Anderson, John & Son
Lewis Bros.
Perpall, E. A. & Son
JAMAICA—Lewis, James T.
Wooley, Charles H. & Bro.
LONG ISLAND CITY—Anderson, George, 61 Camella
Forrest, Wm. (Tin & Gravel)
Martin, Michael J., College Point
Marx & Feiln, College Point
Munder, Aug. & Son, 305 Freeman av
Nelson, Henry, 185 Radde
Recknagel, Arthur, 414 Steinway av
Ridder, Fredk. W., 123 Newtown av
Schaefer, Henry, 681 9th av
Sheridan, Philip C., College Point
Turner Bros., 120 Jackson av
MASPETH—Inglis Bros.
Quirin, Frank
Woelfel, Louis
METROPOLITAN—Brandt, E.
Grimm, Louis
Seitz, Louis
OZONE PARK—Lissner, A.
RICHMOND HILL—Banks, Rich. M.
Barkenthien, Gustave A.
Barkenthien, Richard
Heinstadt, John
Menz, Felix
WHITESTONE—Blum, Samuel
WINSTON JUNCTION—Laboda, Paul
WOODSIDE—Lievendag, Adolph

Borough of Richmond.

FORT WADSWORTH—Zorn, Adolph
GREAT KILLS—Brower, H. S.
MARINER HARBOR—Lorensen, Peter E.
NEW BRIGHTON—Barnes, Wm.
Everitt, Geo. Wm.
Hediger, Rudolph
NEW DORP—Schlueter, Louis C.
PORT RICHMOND—Rauecher, Frederick
ROSEBANK—Sinnott, Thos. F.
ROSSVILLE—Burgher, Jno. S.
STAPLETON—Greeb, M., 115 Canal
Lindemeyer, Wm. J.
Schild, H., Jr.
Schild, L. H.
TOMPKINSVILLE—Snyder, James
Wight, Herman
TOTTENVILLE—Guyon, H. A.
WEST NEW BRIGHTON—Clark & Morton
Henderson, E. K.
Perlet, Chas. (Slate)

(End of New York City)

NEW YORK MILLS—Hastings, M. E. & Son
NIAGARA FALLS—Burleson Hardware Co.
Campbell, George H.
Colgan, Jos.
Lerrett, Albert R.
Oliver, F. W. Co. (Slate & Comp.)
Snyder-Gillett Contracting Co.
Watson, J. & Son
NORTH TONAWANDA—Knapp-Cramer Hard-
Tuck, R. L. Co. ware Co.
NORTHVILLE—Allen & Palmer
NORWICH—Burchard Bros.
Latham, C. H.
NYACK—Ernst & Bro.
Gates, George
Wyman, George R. & Son
OGDENSBURG—Barr, Jno.
Bowman, Jas. S.
Britton, W. D.
Hackett, P. Hdw. Co.
Rapin, Frank & Co. (Est. of)
Skeith, Thos.
Skelly, Thos. F.
OLEAN—Pierce, O. W.
ONEIDA—Harris, Wales & Co.
Lype, Norman
Millspaugh, W. H.
Tooker, O. P.
ONEONTA—Rowell, Geo. W. (Slate & Metal
Stevens & Baker
Townsend, L. H. & C. D.
ORISKANY—Harrington, P. J.
OSSINING—Barlow & Co.
Khuns, Edward
Ramage, Thomas
Williams, Cornelius P.
Young, A. L.
OSWEGO—Blair, L. F.
Keefe Bros.
Lieb & Son
OSWEGO FALLS (See Fulton)
OWEGO—Adams, H. B. & Sons
Houk, J. S.
Stanbrough, J. B.
OXFORD—Burchard Bros.
OYSTER BAY—Baldwin, Thos. E. (Slate, etc)
Hutchinson, E. K. (Slate)
PARISH—Church, F. A.
PATCHOGUE—Gordon Bros.
Overton, L. M.
PAUL SMITHS—Smith, Paul & Sons
PAWLING—Gibney, Geo. W.
Merwin, F. S.
PEEKSKILL—Durrin Bros.
Finnigan, James J.
Foster & Son
Jordan, Warren
Smith, Jno., Jr. (Slate, Gravel & Tar)
Wessells, Wilber F.
Wightman, Andrew (Slate & Metal)
PERRY—Olin & Grieve
PERRYSBURG—Warren, Henry
PHELPS—Hibbard, E. A. & Son
PHILMONT—Carney, M. (Est. of)
PIERMONT—Auryansen & Scheinler
PITTSFORD—Hegendorfer, Fred
PLATTSBURG—Cavanagh, James, 25 Peru
Costello, Thos., 96 Margaret
Webb, Geo. N., 15 Bridge
PLEASANT VALLEY—Lasher, F. P. (Slate & Metal)
PORT CHESTER—Dold, Frederick, Jr. (Tin
Silts, Geo. W. (Gravel & Tin) & Metal)
PORT HENRY—Breadner, J. T.
Hogan, Michael
PORT JEFFERSON—Davis & Co. (Slate &
Lawrence, John H. Metal)
Leonard, F. J.
Smith, G. H. (Slate & Metal)
PORT JERVIS—Driller, Frank
Gordon & Malven Co.
McDonald, S. G.
Peck, Chas. I.
Swinton & Co.
POUGHKEEPSIE—Adriance, Peter & Son
(Slate & Metal), 393 Main
Aldrich, Elbert (Slate, Tile, Metal & Asphalt), 391 Mill
Briggs, G. H. & Son, 393 Main
Cowee, Warren G. (Slate), 30 Mansion
Miller, Frank, 131 Union
Ritter, Wm. H., 141 Main
RAVENA—Strevell & De Friest
RED HOOK—Curtis, J. A.
RENSSELAER—Clark, Jas.
Fowler, S. A., 871 B'way
Wilson, R. I.
RHINEBECK—Rosenkrantz, L.
Smillie, Harry & Co.
RICHMONDVILLE—Bernstein, Edw.
RIVERHEAD—Bunce, Chas. E.
ROCHESTER—Braunstein, Max, 174 Jefferson
Bricker, H. J., 420½ Monroe av
Calder, Robt., 79 Exchange
Cohen, Joseph, 602 Lake av
Cole, J. Stewart, 115 Main st W
Close, C. L. & Co., 266 Adams
Dorschel, Geo., 142 Chatham
Dupre, Wm. J., 679 South av
Fricker, Jno. (Copper & Tin), 10 Ely
Geddes, Joseph, 15 Market
Gross, Sigmund, 171 Joseph
Heeks, John, 83 Clifford
Hisom, Cornelius J., 174 Monroe av
Horn, Frank J., 149 Maple
Howe, S. B., 36 Atlantic av
Irwin & Koerner, 10 Market
Johns, Franklin, Jr., 73 Walnut
Keller, Wm., 745 Clinton av, N
Knowles, John W. (Gravel, Tin & Slate), 50
Kurlanski, Max, 202 Joseph av Franklin
Lennon, Michael J., 289 St. Paul
McAnally, Nicholas, 12 Cortland
McConnell, J. S. (Slate, Metal, etc.), Factory & Mill sts
McCormick, Wm. A., 520 State
Mayer, Lawrence V., 341 North
Patterson, Robt., 191 Front
Pritchard, M. L., 176 Main, W
Ratt & Smith, 40 Stone
Richards, Chester F., 206 Plymouth
Richer, J. Henry, 9 Favor
Riley, Wm., 146 Clinton av, N
Robinson, Wm. (Slate & Gravel), 73 Exchange
Rochester Non-Rust Tinware Co., 1220 University av
Rochester Roofing & Heating Co. (Tin, Felt, Gravel & Slate), 35 Ambrose
Rock Asphalt Pavement Co. (Asphalt), 279
Rodenbeck, C. F., 888 South av South av
Roessel & Schoenemann, 382 St. Paul
Rohr, William, 276 Central pk
Sawens, Geo. M. & Co., 117 State
Schmanke, Wm. F., 862 Hudson av
Schultz, Chas. M., 672 Clinton av, N
Selbig, Martin L., 44 Grape
Siddons, Jno. Co. (Slate, Metal, Tile & Gravel), 61 to 65 N Water
Stierly, E. & R., 440 Main, E
Strauss, Leopold, 533 Joseph av
Turner, T., 881 State
Warren Chemical & Mfg. Co., 49 Wes
Young & Harrington, 40 Cortland
ROCKVILLE CENTER—Cock, W. R.
McCarten, E. E.
Pettit, Frank
ROME—Conley, Jas.
McLean Jas. H.
Relyea & Rockwood
Russell & Waller
Sherman, H. B.
Smith, Geo. S.
Townsend's, J. Sons
Tyler, C. Edwin
RONDOUT—(See Kingston.)
ROSENDALE—Bannon, L. F. Plumbing, Heating & Contracting
ROSLYN—Burrowes, Robert (Slate & Met.
Titus, Willett (Slate & Metal)
ROUSES POINT—Chilton & Jones
SAG HARBOR—Montcalm, C. H.
Youngs, D. E.
ST. JOHNSVILLE—McRae & Son
SALAMANCA—Andrews, J. A. & Son
McCann, Hubbell & Co.
SALEM—Baker, G. W. & Son
SALISBURY MILLS—Dusenbury, E. D. W.
SANDY CREEK—Colony, C. W.
Jones, L. J.
SANDY HILL—Parks, S. H.
Sherrill Hardware & Plumbing Co.
SARANAC LAKE—Adirondack Hdw. Co.
SARATOGA SPRINGS—Towne Hardware C
439 Bro
SAUGERTIES—Hildebrandt, F. A.
Lamb, Daniel & Son
Smith, Philip C.
SAYVILLE—Jedicka Bros.
SCHAGHTICOKE—Waldron, Wm.
SCHENECTADY—Burtis, Albert E. & Bro
Case, L. & Co., 414 Warren 12
Clute, W. S., 16 Central Arcade
Dakin, John H., 512 Liberty
McDonald, Benj. J.
MacGregor, Thos. F. (Slate & Metal), 3
Marsh & Marsh
Peters & Borden, 224 State
Vrooman's, J. V. Sons, 138 State
SCOUYLERVILLE—McRae, G. S. & Co.
Washburn & Leeds
SEA CLIFF—Koop, Jno. & Sons
SENECA FALLS—Story & Strong
Waller, George A.
SHARON SPRINGS—Klinkhart, Geo.
SHELTER ISLAND HEIGHTS—Harris, C
(Slate, Comp. &
SHERMAN—Sperry Hardware Co.
SIDNEY—Davis, Jas. E.
SILVER CREEK—Shofner, Geo. H.
SINCLAIRVILLE—Reed, R. & Co.
SKANEATELES—Bench, J. & Son
Shotwell, Tucker & McGinn Co.
SOUTHAMPTON—Cameron, A.
Hammond, E. E.
SOUTHOLD—Macomber, B. F.
SPENCERPORT—Spencer, F. W.
SPRINGVALLEY—Ruppel Bros.
STAMFORD—Kelly, E. L.
Lawrence, H. C.
Maynard & Elliott
STAPLETON—(See New York City. Borough of Richmond)
STILLWATER—Haight, Silas
Hunter, E. B.
STONY POINT—Springsteen, D. & W.
SUFFERN—Beers, Geo. A.
SYRACUSE—Blant, Arthur C., 117 Ont
Blant, J. A., 227 James
Bradford & Deruchie, 439 E Water
Carroll, Patrick, 405 S State
Cashman & McCarthy (Slate, Metal & Tile
372 W Fayette
Central City Roofing Co. (Comp. & Slate
439 Jam
Curran, Jas. (Slate & Metal), 23
Gooley, W. F., 1911 W Fayette Franklin
Heaphy, Dennis J., 133 W Water
Heftie, Jno., 1112 S Geddes
Kelley, Edmund, 1701 W Lafayette
Lacy, Joseph, 103 N Warren
Lapham, Jno., 235 South av
Lyons, R. C., 706 Grape
McCarthy, Jno. J., 511 S West
Paulus, Philip, 319 N Salina
Rolle, August, 720 Butternut
Schemel, Geo. B., 425 W Fayette
Schreyer, Jno., 1110 Butternut
Simmons, Theodore, 120 S State
Talbott, Thos. & Son (Slate, Tile
Vuillemot Bros. & Gravel), 200 W Fa
Wallace, E. F., 1010 S State
Welch, Jno., 616 Burnet av
Zimmerman, Julius, 16 New Butternut
TOMPKINSVILLE—(See New York City
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TONAWANDA—Ernst, A. H.
Koenig, H. B. & Co.
Krauss, C. F.
National Roofing Co. (All Kinds)
TOTTENVILLE—(See New York City, Borough of Richmond)
TROY—Catlin, Geo. O. (Asphalt, Felt, Gravel & Slag), 86 Congress
Cole, Geo. H., & Son, 403 River
Connors, James T., 506 2d
Doherty, Michael, 25 Ingalls av
Harper, Thos. K., 565 Congress
Hawkins, Jno. E., & Son, 14 12th, Lans
Joyce, Humphrey, 342 Congress
Kennedy, James, 416 River
Kennedy, James F., 508 River
Knaupp, Jno. F. (Slate & Metal), 672 Lehmann, Adolph, 225 River Fawling
Loeble, Chas. A., 412 5th av, Lans.
Loeble, Wm. (Est of), 422 River
Lyman, James, 352 2nd
Manogue, Edward Co. (Slate, Gravel, Metal & Asbestos), ft of Grand
Miller, Jacob, 146 4th
O'Connor, John, 328 2d
Powers, J. J., 310 2d
Sasse, Robert W., 842 River
Sherman, Geo. S., cor 3d & Division
Sherman, Wm. A., 309 River
Sweet-Packard Co., 96 Congress
Wheeler, Mrs. Eliza, 414½ River
Whitaker, James A., 11 19th, Lans.
Yetto, Edward A., 3108 6th av
Young & Co., 618 2d av, Lans.
TUCKAHOE—Rubly, Wm.
TURNER—Sturr, Daniel
TUXEDO PARK—Secor, Chas. H.
UTICA—Anglebow, Henry, 28 Belmont av
Coffey, John J., 95 Taylor av
Geirsbach, Mrs. Caroline
Goodenow, A. L., 54 John
Henry & Williams, 130 Court
Jacobs, S. F., 117 Court
Jones, Wm. E. & Sons, 5 Union
McLean & Co., 131 South
Metal Roofing & Cornice Co. (Slate, Metal & Gravel), 71 Main
Parker, Edw. W., 26 Pearl
Shaughnessy Bros., 143 Genesee
Stuber, Jacob, 60 Albany
Weiss, Adam (Asphalt, etc.), 366 Seymour av
Werthman, F. T., Eagle & Elm
Wurster, John, 383 Whitesboro
VALLEY FALLS—Parker, J. W.
WALDEN—Wade, A. K.
WALWORTH—Petty, Isaac & Co.
WARRENSBURG—Hunt, John G.
Mixter, F. R.
WARWICK—Montross, A. W.
Ogden & Pelton
WASHINGTONVILLE—Hull, C. W.
WASSAIC—Williams, Wm.
WATERFORD—Carter, Chas. H.
WATERLOO—Nailos, James
Nugent & Co.
Van Riper, Theodore
WATERTOWN—Bradley, T. H. (Tar & Felt)
Spratt, Corcoran & Foley Co.
WATERVILLE—Barr, R. M. & Son
Bourke, M. B.
McLean, W. G. & Co.
WATERVLIET—Gray, Vivian
Hamil, James, 1605 Broadway
Sexton, Samuel, 202 23d
WATKINS—Durland, L. H. Son & Co. (Slate & Metal)
WAVERLY—Mixer, E. D.
WEEDSPORT—Burritt, O. W. & Bro.
Harmon, A. B.
WELLSVILLE—Hoyt Hdw. Co.
Vincent, C. F.
WESTFIELD—Carpenter, E. F.
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WESTPORT—Eastman, H. E.
WHITEHALL—Willard & Marshall
WHITE PLAINS—Fowler & Sellars
Quimby, G. W.
Schwaner, F. J.
WHITESTONE—(See New York City, Borough of Queens)
WILLINK—Sommer & Co.
WILLSBORO—Hudson, Wm.
WILSON—Perrigo, G. W.
WOODHAVEN—(See New York City, Borough of Queens)
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WESTPORT—Eastman, H. E.
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Quimby, G. W.
Schwaner, F. J.
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WILLINK—Sommer & Co.
WILLSBORO—Hudson, Wm.
WILSON—Perrigo, G. W.
WOODHAVEN—(See New York City, Borough of Queens)
WOODMERE—Baldwin, Gilbert
WORCESTER—Eltapence, Charles & Co.
Wilcox & Callender
YONKERS—Acker, D. & Co., 50 N B'way
Bailey, George A., 52 N B'way
Donnelly, James, 175 Yonkers av
Fitzgerald, D., 203 New Main
Humphrey & Bell, 40 Nepperhan
McVicar, Thos. (Slate & Metal), 30 Dock
McVicar, Wm. H. (Slate & Metal), 83 Woodworth av
Pawson, J. E., ft Wells av
Reade, Cabot S., 47 Ashburton av
Westchester Metal Works, 46 Riverdale av
Wheelock, M. R. & Son, 28 Riverdale av

NORTH CAROLINA.

ASHEVILLE—McLean, A. L.
BURLINGTON—Thomas, S. & Sons
CHARLOTTE—Garabaldi, T.
McCausland, J. N. & Co. (Slate & Metal)
Ray, G. G. & Co.
Shuman, C. F.
CONCORD—Hill, W. J.
DURHAM—Barbee, Charles E.
Lougee, W. J.
Taylor & Phipps
ELIZABETH CITY—Hill, H. O.
FAYETTEVILLE—McMillan Bros.
GOLDSBORO—Croom, C. E.
Hobbs & Pike
Slaughter, J. Co.
GREENSBORO—Bond, A. Y.
Pleasant, W. R.
Wharton, J. W.
Yates, J. F.
HENDERSON—Carter, W. T.
HIGH POINT—Gordy, McDaniel
Ward, J. R. Supply Co.
KINSTON—Isler, L. E. & Bro.
Moore, E. O.
Strickland, Clayton & Co.
MURFREESBORO—Evans & Bro.
NEWBERN—Odum, E.
Parker, S. B.
RALEIGH—Briggs, Thos. H. & Sons
Clark, M. S.
Lumsden Bros.
STATESVILLE—Frazier, T. W.
Nicholson, J. W.
WILMINGTON—Holden, H. K.
Holden, H. K.
Smith, S. L. & Son
Toler, T. S. & Son
WILSON—Dildy & Agnew
Hagan, Robert E.
WINSTON SALEM—Blum, P. W.
Brickenstein, L. B. (Slate, Metal & Gravel)
Morgan & Cuthrell

NORTH DAKOTA.

FARGO—Harrington, Hubert
GRAND FORKS—Barnes & Nuss Co.
JAMESTOWN—Scott, R. L. & Co.
Thornhill, E. B.
LISBON—Cole, J. S.
WAHPETON—Jamieson, W. W.
Schultz, O. H.

OHIO.

ADA—Riddle, J. C.
ADELPHI—Binkley, Cary L.
AKRON—Akers & Co., 1084 E Market
Akers & Harpham (Slate, Gravel & Metal), 200 E Mill
Akron Hardware & Spouting Co., 385 E Exchange
Akron Roofing Co. (Slate, Metal & Tile), 104
Akron Roofing Tile Co. E Exchange
Akron Tin & Furnace Co., 1503 S Main
Blumenstein, George
Bowers, T. A.
Corey Bros.
Dietz & Haberkost
Fowler, W. R. (Slate)
Gross, John
Harter & Millar
Kasch Roofing Co. (Slate, Tile, Metal & Kidder Hardware Co. Comp.)
Knapp, John G.
Lind Bros. (Slate, Felt & Metal)
May & Fieberger Co. (Metal)
Miller, Elmira E.
Neff Bros.
Pettit Bros. Hardware Co.
Popovitz, George
Pouchot, Hunsicker Co. (Slate & Metal)
Rutherford, J. & Son
Viers Co. (Metal)
ALLIANCE—Howson & Co.
Keyes, Hugh (Slate & Metal)
Love, Casselman & Co. (Slate & Metal)
Ruhl, George W.
Sluss, M. (Slate)
Smith, C.
ASHLAND—Ambrose, Thomas B.
Marks, F. R. (Slate & Metal)
Pittinger, Jno. R.
ASHTABULA—Beidler, A. M.
Tingley, H. M.
Van Tassell Hardware Co.
ATHENS—White, F. P.
Wilson, C. B.
AUSTINBURG—McClure, J. H.
BARBERTON—Hickox, W. R. & Co.
Miller Roofing Co. (Slate, Tin & Iron)
BARNESVILLE—Anderson, W. H.
Graham, T. J.
BASIL—Weaver, Jas. M.
BATAVIA—Carter, T. D.
BELLAIRE—Kern, Andrew (Slate & Metal)
Mahaffey & Bros.
Zweig, John
BELLE CENTER—Oliphant, W. Gilbert
BELLEFONTAINE—Doll & Whitcomb
More, F. O. & Son (Slate, Metal & Comp.)
Oglesbee, E. C.
BELLEVUE—Decker, Roland B.
BELLVILLE—Dougherty, J. M.
BEREA—Curtis & Wagner
Kimore, Chas.
BERLIN—Hochstetler, E. J.
BETHEL—Davis & Hibbetts
BLANCHESTER—Hampton & Scott
BLUFFTON—Scheid, Theo. G.
BOLIVAR—Lash, D. F.
BOND HILL—Jenny, Wm. M.
BOWERSTOWN—Boor, S. B.
BOWLING GREEN—Campbell & Coller
Golt & Son
BUCYRUS—Blair, E.
Jolly Bros. (Slate & Metal)
Picking, D. & Co. (Slate & Metal)
Walther, F. A.
CADIZ—Bryant, H. E. (Comp. & Gravel)
Lee, B. S. (Comp. & Gravel)
CAMBRIDGE—Brown, Jas. G.
Burgess Mfg. Co.
Cambridge Roofing Co. (Slate & Metal)
Hartley, W. H. & Sons (Slate & Metal)
CANAL DOVER—Brucks & Adams (Slate & Metal)
Myers Bros.
Notter, E. A.
Reeves Mfg. Co.
Schneider & Thompson
CANTON—Beard, Murry (Slate), 1317 Lawrence
Brubaker, J. H., 112 Cedar
Buckins, W. H., 3115 W Tus.
Cappell, H. W., 1214 W 5th
Culp, T. S. (Metal)
Fife Bros. Co. (Gravel & Metal), 212 E 8th
Groner, C. O., 714 E Tus.
Grosjean, W. S., 324 W Market
Gurantz, Fred., 400 George
Keefauver, H. A., 739 Marion
Koch, Peter (Slate), 1228 Wash'n av
Lawrence, O. F. (Metal)
Mallory, R. E. (Slate & Metal), 906 Spring
Merriman, Fredk. (Slate), 1512 Willett
Merriman, W. S., 1635 John
Motz, L. S., 1729 Navaree
Peter, W. C., 907 S Market
Pfiffer & Whitmer, 210 E 5th
Piper, F. R., 136 E 7th
Reemsnyder, John A. (Slate), 1037 S Market
Reichenbaugh, U. A. (Slate), 527 Park av
Rex, Chas. A. (Metal)
Skelton, L. E. (Felt)
Taylor, Jackson, 409 N Rex
Van Dorsten & Mickley
Wilson, J. H. & Co.
Yost, L. P. D.
CARTHAGE—Knapp, Frank M.
CELINA—Feldheiser & Bryson
McComb, Charles
Winters, A. A.
CHAGRIN FALLS—Lines, W. H. & Sons
CHARDON—Parks & Barker
CHICAGO—Sennett, O. F. (Slate)
CHILLICOTHE—Eberle, Jno. J.
Kellhofer, Jno. (Slate & Metal), 75 N Paint
McNellis, Wm. A. (Slate & Metal), 95 E 2d
CINCINNATI—Ahrens, Wm. F., 918 Mound
Ammann, Albert Roofing & Cornice Co., 902 John
Andler, Adam (Slate, Metal & Tile), Highland av & Stetson
Andriot, John H., 3415 Montgomery rd
Arndt, Robt. L., 2650 Western av
Avril, Ferd. & Sons, 2871 Colerain av
Beckman, Wm., 1543 Race
Biermann, M., 3244 Jefferson av

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Blum, Albert (Slate & Metal), 2837 Woodburn av
Boesch, Victor P. & Son (Slate & Metal), 2432 Eastern av
Brandis Bros. (Slate & Metal), 3109 Reading rd
Brockmann & Schuessler (Metal, Tile & Slate), 328 W 3rd
Brophy, John L. (Galvanized Iron), 25 W
Burke, Peter, 640 B'way Canal
Cincinnati Roofing Co. (Asphalt & Gravel), 220 P. O. sq
Cincinnati Roofing & Paving Co., Carlisle Bldg

CLASON SNOW GUARD
428 Ramsey av, Providence, R. I. (See adv. index, end of book)

Daly, Thos. W., 1703 Madison rd
Dawson, J. G., 409 Carlisle
Dearking, Fred W. & Son (Slate & Metal), 3822 Glenway av
Deck, G. H., 913 Vine
Dietz, Geo., Jr., 2708 Eastern av
Dirr, George L. & Son (Slate & Metal), 3631 Warsaw av
Duecker, Wm., 4144 Hamilton av
Eble, Chas., 1802 Vine
Edwards Mfg. Co., Eggleston av c 5th
Emmers Cornice Co., 1007 B'way
Fahnle & Dietrich, 537 Oliver
Farwick, Jno. H., 123 W Court
Fellers, Harry J., 970 E McMillan
Felix, John, 1332 Baymiller
Felix, William, 1611 Western av
Fischer, Wm. G., Stove & Range Co., 221 W 3d
Fletchan, Thos., 4044 Hamilton av
Fox, Wm. H., 2450 Gilbert av
Frank, Andrew, 900 State av
Freund, Jacob Roofing Co. (Slate, Metal & Tile), Mitchell av & B. & O. S. W. Ry.
Germann, Alex. E., 613 College
Getchell, S. D. Co. (Asphalt & Gravel), 1109 Gilbert av
Gilbert Cornice Co., 1912 Vine

GILMAN SNOW GUARD
103 Merrimac, Boston, Mass. (See adv. index, end of book)

Gladen, Mrs. T., 637 E Pearl
Globe Paint & Roofing Co., 232 W 8th
Goodling, Michael, 1824 Race
Goosman, J. & C., 1628 Race
Grelwe, E. & Bro. (Slate & Metal), 1128 Broadway
Grote, C. L., 2008 Madison rd
Grueninger, Louis, S E c Court & Freeman
Hader, Andreas, 3232 Harrison av
Harford, M. & Son, 314 Butler
Harkness & Towler (Asphalt, etc.), 1662 Providence
Hauck, Michael (Slate & Metal), 14 E 13th
Heatley, George, 3801 Eastern av
Herbst, H. L., 1333 Linn
Hirt Bros. (Slate & Metal), 1814 Race
Hoeltge, Fred, Jr., 1921 Gest
Howard, Franklin, 1612 Sycamore
Huelsman & Moore, 134 Opera pl
Hyde Park Roofing Co. (Slate & Metal), 2681 Madison rd
Hyndman Steel Roofing Co., 320 E 2d
Imbus, Henry, 417 W 5th
Jansen Co., 2140 Gilbert av
Kearney, James T., 940 Linn
Keller, L. E. & Co., 3811 Spring Grove av
Kline, Martin, 1027 Cutter
Klinkenberg, O. A., 3443 Reading rd
Kobmann, Charles (Slate & Metal), 1919 Central av
Kopelent, Henry (Slate & Metal), 2723 Vine
Korb, John P., 3203 Harrison av
Kruckmeyer, L. Co., 1501 Vine
Kuhlmann, George, 1115 Main
Kurs, Henry, 2827 Colerain av
Lalley, Michael, 216 Elm
Lemon, W. A., 947 W 8th
Leonard, Michael W., 1508 Chase av
Lindemann, Aug. E. (Slate & Metal), 2620 Vine
Loesch, Fred, 2188 Central av
Loesch, W. F., 2943 Colerain av
Marcus, David, 1552 John
Meyer, Edw. & Co., 212 Wade
Miller, Frank, 705 Carr
Neabrey, John H. (Slate & Metal), 637 W Court
Noll, Geo. A., 1186 Harrison av
Opp, F. & Son, 509 W Liberty
Opp, John, 2148 W 6th
Parker, Edward, 438 E Pearl
Peal, Jacob, 933 W Liberty
Pfau Bros., 231 W 5th
Piker, Samuel, 682 W 5th
Pilger, J. S., 1507 Central av
Porter Iron Roofing & Corrugating Co., 8 E Front
Preston, Alfred, 2716 Alms pl
Queen City Exhaust & Blow Pipe Co., 1782 Central
Reich, Joseph, 800 W 7th
Roseboom, J. G., 746 Betts
Pothert, Wm. & H., 1603 Main
Ruehlmann, Fred., 1414 Walnut
Saile, Adolph (Slate & Metal), 522 W 5th
Schmidt, Louis, 1215 Central av
Schneider, F. W., 418 E 2d
Scholle, Chas. H., 2611 Cook
Schwartz, Mendel, 516 W 6th
Segal, Samuel, 620 John
Shaw & Stechow, 811 Central av
Singleton, Ruffner & Co. (Asphalt & Gravel, etc.), 8th & Plum
Smith, J. S. & Co., 612 W 5th
Smyrl, R. J., 308 E 5th
Socinsky, A. & Co., 259 W McMicken av
Spatz, Wm. C. (Slate & Metal), cor Powers & Tosser
Standard Roofing Co., 1662 Providence
Stifel, John, 1816 Elm
Sweeney, Jeremiah A. & Co., 829 W 5th
Taylor, A. P., cor Burnet av & Hickory
Trinidad Asphalt Roofing Co. (Asphalt, Gravel & Comp.), 215 W 3d
Verges, F. F. (Slate & Metal), 2543 Vine
Vietor, Edward J., 1809 Queen City av
Weigel, John Co. (Slate & Metal), 664 E McMillan
Weissenberger, Mrs. Geo. K. (Slate, Tile & Metal), 4004 Spring Grove av
Wheeler, Otto B., 313 E 3rd
Wietlisbach, Alois, 1810 Linn
Witt Cornice Co. (Slate, Tile & Metal), 8th & Broadway
Witt & Brown (Slate, Metal & Tile), 215 W 3d
Weyler, Frank, Jr., 1107 W 8th
Wolitzer, Marcus, 630 Mound
Wolpa, Louis, 573 W 6th
Wuenker, H. F., 2441 Gilbert av
Zoller, Fred., 1732 Central av
Zoller, Louis, Jr., 1512 Harrison av

CIRCLEVILLE—Crist Bros. (Slate & Metal)
Hoffman, Brown & Wilson (Slate & Metal)
McMullen, G. J., & Son (Slate & Metal)

CLEVELAND—Apel, Lawrence, 9203 Kinsman rd, S E
Bailey, Lemuel A., 616 Miles av, Nbgh
Beck, William E., 1138 W 11th, N W
Benedict, N. J., & Sons, 3519 St. Clair av, N E
Berg, Geo. A., 3018 Cedar av, S E
Brennan, T. J., 2913 Central av, S E
Bringman Bros., 2110 Superior
Bros & Cerney, 4842 B-way
Buell & Frantz, 5312 Euclid av
Callaghan, J. & Son (Slate & Metal), 1119 Superior av, N E
Cater, E. U., 9604 Madison av., N W
Clauda, Joseph, 2674 E 67th
Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av
Cleveland Sheet Metal Works, 6933 Superior av, N E
Compton, J. A., & Son, 3847 Cedar av, S E
Cooley, H. E., 2618 Detroit av, N W
Drake & Wiers Co. (Asphalt, Car), 17 Blackstone bldg
Duffner, Gordian, 4216 Lorain av
Feder, Samuel, 4505 Central av, S E
Fetzer, M., & Sons, 3503 Central av, S E
Fisk, David, 4804 Central av, S E
Forest City Htg. & Supply Co., 8215 Cedar av, S E
Forrest, R. T., 7800 B'way, S E
French, Walter T., 6111 Woodland av, S E
Fuerst, J. E. & Co., 979 Potomac
Gable, Jacob, 1585 Columbus rd
Gnuschke, Gustave F., 7001 Kinsman rd, S E
Goehner, E. F., 6615 Clark av, S W
Gorsuch, Thomas M. (Gravel, Metal, etc.), 919 James
Gould, Lee H., & Co., The Arcade
Grant, Jesse, 3617 Detroit av, N W
Green, A. A., 5911 Woodland av, S E
Greenberg, Max, 3712 Scoville av, S E
Grimm, Nicholas, 1506 Scovill av, S E
Guest, F. C., 5120 Lorain av
Haettich, Chas., 3425 W 60th, S W
Halter, Jacob, 2067 W. 14th, S W
Harrison Bros., 2912 Central av, S E
Haskins, J. H., Roofing Co. (Asphalt & Gravel), 2811 Clinton av, N W
Henninge, Peter, 7027 Lorain av
Hippler, Albert, Jr., 1320 E 68th, N E
Hogen, F. G., Co., 2345 E 69th, S E
Holz, Theo., 2911 Lorain av
Hundertmark, Wm. L., 4418 Memphis r
Huntington, Henry J. (Comp. & Slate 1010 Superior av, N
Huntington, H., & Son (Asphalt, Gravel, etc.), The Arcade
Hussey, P. B., 3401 St. Clair av, N E
Jones, Joseph F., 6506 Linwood av, N
Johnson Roofing Co. (Asphalt, Slate & Gravel), 2234 E 83d, S
Kisner, Jacob, 8710 Kenmore av, N E
Kleppel, William, 3515 E 93d
Koberna, Charles, 3696 E 49th, S E
Koberna, John, 3621 E 49th, S E
Korner, C. J., & Co., 2911 E 34th, S E
Lake View Tin & Furnace Co., 15
Lockwood, Stephen A., 5368 St Clair
Matheis Bros., 2622 E 76th, S E
Mayer, Joseph, 2206 W 40th, S W
Meder, Bernhardt, 3407 W. 56th, S W
Mitchell, G. F., & Son, 2187 E 24, N E
Moore, A., 6907 Lexington av, N E
Morgan Bros., 8716 Nevada av, S E
Norton Bros. (Gravel, Asphalt & Comp 2667 E 69th
O'Connor Bros., 3310 Superior av, N E
Ohio Roofing Co. (Slate, Metal & Tile 1477 Euclid
Opre, Wm. M. (Slate & Metal), 96 Erie
Orkin Bros., 2808 Woodland av, S E
Ortli, Charles F. (Slate & Metal), 3 Barber av, S
Parks, A. F., 2219 E 101st, S E
Paul, Richard R., 2427 E 79th, S E
Paehlke & Son, 6810 Lawnview av, N
Potter, George J., 2621 Payne av, N
Pyleck, Florenz, 1766 E 43d, N E
Reese, August F., 3117 Seymour av
Riester & Thesmacher Co., 1526 W 3
Rudolph & Son Co. (Slate, Gravel & Metal), 416 Prospect av
Sanders, Nicholas, 2428 E 83d, S E
Schadowsky, August, 4392 W 35th
Schlegel, Emil C & Sons, 6210 Madison
Schwertner, B., 1245 St Clair av, N E
Sheahan, Martin W., & Son, 1623 St
Sheridan & Gerhan, 4003 Clark av, S
Smith, W. E., 4701 Central av, S E
Sommers, C. A., 2220 E 100th, S E
Soros, Albert, 5514 Bridge av, N W
Stran, C. W. (Slate & Metal), 15
Tietjen, John, & Son (Gravel, Clark
Tiapa, John & Co., Morgan av cor E 4
Towson, E. H. (Slate & Metal), Butler Archway
Tschumper Bros., 4256 Pearl rd, S W
Uhl, William, Grand av cor Kinsman
Vaudas, A. J., 3950 B'way, S E
Wachalec & Vlasak, 8619 Quincy
Walther, John, 1889 Central av
Watson & Lawrey, 1459 Addison rd
White, Amos A., & Son (Slate, Gravel, Felt, etc.), 726 St Clair
Wolf, Edward F., 11711 Detroit av, Lak
Yahraus, John, 3808 B'way, S E
Zellers, George, & Co., 5808 Woodland av
COLDWATER—Hoyng, J. F
Wapelhorst, Hy.
COLLEGE CORNER—Weidner, G. G
COLLINWOOD—Collinwood Hdw. Co
Skinner & Richards Co.
COLUMBIANA—Beard, John
COLUMBUS—Achauer, A. L., 1135 N
Alter, Ralph, 866 Parsons av
Bailey, Francis M., 2590 N High
Blackwood, Green & Co., 624 N
Bohnert, J. P. (General), 1184 W
Bohnert, M. J., 1907 Parsons av
Bradshaw, A. L., 207 E Long
Calkins, W. R., & Sons, 752 E Long
Capitol Asphalt Mastic Co. (Asphalt Composition, etc.), 19
Claar, W. L., 2574 N High
Columbus Roofing & Supply Co.
Consolidated Roofing Works (Asphalt, Spring
Cussins & Fearn, 653 W Broad
Daeumler, Geo., 573 S High
Ewers, Thos. (Asphalt, Gravel, Slate, etc.), Spring &
Farmers & Sheetz, 344 S 4th
Haberling, Charles, 242 E Long
Hilliker, W. C., 38 N Washington
Hirschmann Bros., 411 S Pearl
Ihrig, F. B., & Co., 541 N High
Kaefer, J. F., 806 E Main
Kaiser, Andw. (Slate & Metal)

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Kaiser Bros. (Slate & Metal), 128 E
Kerina, Andw., 42 E. Lynn Chestnut
Killets, J. F., 1151 N High
King, H. N. (Slate & Metal), 971 W Broad
Kleinlein & Benningnus, 306 E Main
Knell, Philip (Slate & Metal), 344 S 4th
Knox, Jos. J. Lumber Co. (Ruberoid), 405 Cleveland av
Kromer, P. F. (General), 669 St. Clair av
Learn & Brindle, Locust, cor Wall
Lamneck, William E., 1135 Mt. Vernon av
McCoy, Skinner & Stewart, 1245 N High
Miller Bros., 560 S High
Ochs, G. W. (Slate & Metal), 1114 E
Osborn, E. S., Wesley blk Main
Osborn, J. M. & L. A., Co., Brunson bldg
Palmer, Chas. J., 75 W Lynn
Pritchard, Dow, 323 Galloway av
Reichenbach, J. B., 1148 Hunter av
Reichenbach Bros., 892 E Main
Reither, Edw. A., 839 S Wall
Riddle & Son, 693 N High
Root, Charles, 813 S High
Rosenthal & Silverman, 184 S Front
Schilling, John N. (Slate, Metal & Comp.), Schipper, Jno., 760 E Mound 193 N Grant
Schoedinger, F. O. (Slate, Tile, etc.), 146 N
Schwartz, Morris, 346 E Livingston av 3d
Shaffer Roofing Co. (Asphalt, Gravel, etc.), 431 W State
Snyder, Geo. & Son (General), 163 N 9th
South Side Lumber Co. (Ruberoid), 1929
Spohn, Valentine, 177 S Pearl S High
Star Roofing Co. (Slate & Metal), 241 E Main
Stiles, S. T., 405 E Livingston av
Ward, L. F., 892 Mt. Vernon av
Weigand & Schumacher (Slate & Metal), 1184 W Broad
Will, Jacob A., 323 Donaldson
Zimmerer Bros., 641 S 3d
Zipf, F. W., & Son, 642 Hunter

)NNEAUT—Arthur, George T.
Matson, C. F.

SHOCTON—Coe, Benj.
Leffler, Mrs. A. M.
Reed, E. R.
Shrake, G. W.
Wolford, C. S.

ESTLINE—Holcker, R. & H. (Slate & Metal)

YAHOGA FALLS—Loomis, L. W. Hdw. Co.
Walker, J. H.

MASCUS—Delzell, C. G.
Dalzell, O. V.

YTON—Alger & Bickham, 11 E Cass
Baker, John R. (Tin & Slate), 631 W Washington
Boulie, John L., 128 S Williams
Breese Bros. Co. (Comp., Asphalt, Felt, etc.), Reibold bldg

Bretch, A. (Slate & Metal), 126 E 5th
Bussdicker, Fred. (Slate & Metal), 1619 E 3d
Buvinger, G. W. & E. E. (Slate, Metal & Tile), 327 E 3d

allahan, Henry (Slate & Metal), 23 W 2d
ammerer, Chas., & Son, 38 N Valley
arroll, D. H., 1848 W 3d
ouch, R. L. (Slate & Metal), 1528 W 3d
Gravel), 15 N St Clair
ayton Asphalt Roofing & Paving Co. (Asphalt), 16 S Canal
ayton Felt Roofing Co. (Felt, Pitch & Gravel), 15 N St. Clair
ixon, Henry, 629 S Wayne av
oley, Jesse T. (Slate & Metal), Norwood av & Horace
emberger & Vanbel (Tin & Slate), 850 S Brown
oersting & Holtmann (Iron & Felt), 1124 W 3d
ngclas Cornice & Furnace Works (Slate & Metal), 609 W Wash'n
nney, Jno. R. (Slate & Tin), 253 S Wayne
ine, Jas. E. (Slate & Metal), 1430 S Wayne av
ine, Jonathan H., 1227 E 5th
Lardie, Chas. N. (Tin & Slate), 415 E
iller, Wm. E., 401 N Main 5th
cher, M. C., 215 Wortman av
se, Jno., 36 E 2d
eck, Bernard R. (Slate, Metal & Comp.), 431 E Xenia av
eck, H. F. (Asphalt, Slate & Metal), 506 S. Wayne av
nto, Herman (Tin & Slate), 615 E
tt, Alfred M., 2506 E 3d Xenia av
nk, David N. (Slate & Metal), 1st & Summit
hner, Herman (Slate & Metal), 112 S Jefferson
ivan, Percy E., N S Xenia Pike, E of Smithville rd
ivan, Geo. E., 1925 E 5th

Sullivan, S. W. (Tin, Slate & Galvanized), 226 N. Valley
Sweetman, Christ. (Asphalt), 54 S Bank
Walker, Edward W., 321 E Hughes
Weidner, Otto W., 17 Allen
Wintersteen, C. A., 408 W 3d
Wuichet, Chas. & Co. (Slate, Metal & Tile), 14 S Canal
Young, Max, & Son, 1738 E Richard

DEFIANCE—Kehnast, William A. Co.
Krull, Herman
Mallet, J. G.
Torrence, Chas.

DELAWARE—Clingen, J. A. (Slate & Metal)
Karl, F. B.

DELHI—Schwinderman, Frank (Slate & Metal)

DELPHOS—Delphos Hdw. Co.
Reddelberger, Theo.

DENNISON—Haas, G. D.

EAST LEWISTON—Blosser, Henry

EAST LIVERPOOL—Allen, B. E.
Allison, A. J.
Watson, A. A.

EAST PALESTINE—Whittenberger, J. H.

ELMWOOD PLACE—Krais, Henry & Co.

ELYRIA—Elyria Hdw. Co. (Slate & Gravel)
Fitch & Hornung (Slate)
Heldmeyer Hdw. Co.
Whitney, E. F. & Son

FAYETTE—Russell, Chas. H.

FINDLEY—Brewster, F. P. (Slate & Metal)
Daymon, W. L.
Fiscus, W. J. (Slate, Comp., Gravel, Tin & Metal)
Gates, N. S. & Co. (Slate & Metal)
Greer Bros. & Co.
Halliwell, O. B.
Hoffman & Bryan (Slate, Comp. & Metal)
Klein, Fred (Slate & Metal)
Porch & Hartrauft (Slate & Metal)

FOREST—Young, J. W. & T. M.

FOSTORIA—Baker, W. B.
Ballmer, D. R.
Hessey, T. J.
Newson, Jas. L.
Rollins, S. A.
Stewart Hdw. Co.

FRANKFORT—Briggs, R. W.

FREMONT—Gast & Lang
Swint & Reineck
Winters, F. J.

GALION—Amick, H. G.
Belcher, C. & Son
Resch & Casey
Zimmerman, J. H.

GALLIPOLIS—Langley, Henry V.
Lawson, J. A.
Leeper, Chas. W.
Lewis, Timothy
Rue, Jno. C.

GLENDALE—Dollman, J. W. (Slate & Metal)
Schatzman, P. & Son (Slate & Metal)

GLENVILLE—Ferris & Calhoun

GREENFIELD—Langley, George W.
Oxley, N. C.

GREENVILLE—Humphrey, B. T. (Slate)
Smith, O. H.
Wolf & Craig

GREENWICH—Viers, J. L.

HAMILTON—Bast, Geo. (Slate & Metal), 151
Becker, Jno. L., 329 Market N 3d
Ehrhardt, Wm., 110 Main
Held, Philip & Son (Slate, Metal & Gravel),
Matthias Stove Co., 33 Main 12 S 3d
Moebus, Edw. C., 215 Court
Schlosser, Jacob & Son, 340 High
Zschaulwin, A. E. (Slate, Metal, Gravel & Asbestos), 326 Maple av

HARTVILLE—Ebel & Son

HARTWELL—Kleespies, C. J. (Slate & Metal)

HILLSBORO—Brown, P. E.
Conrad, F. L.
Mauntel, Geo. O.

IRONTON—Filigrove, L. A. (Slate & Metal)
Ironton Roofing & Corrugating Co.
Miller, Chas. F. (Slate & Metal)
Scherer, Mrs. Constantia (Slate & Metal)
Turnbull, J. T. (Slate & Metal)

KENT—Carlile, F. F.
Jobe, E. E.
Reed, C. R. (Slate & Metal)
Vickers, H. W.

KENTON—Fink, Jno. & Son
Held, P. B., 207 W Columbia
Shectala, J. A., 211 W Franklin

LANCASTER—Baumeister, Jno. H.
Gardiner & Hughes (Slate, Iron, Steel & Tin)
Kerns, E. O.
McMananey, James (Est. of) (Slate, Iron, Steel & Tin)

LEBANON—Fudge & Osborn
Grim, Geo. W.

LEETONIA—Groner, S. S.

LIMA—Elliott, E. J., 243 N Charles
Francis, Hugh, 226 S Main
Harman, Frank E., 215 S Main
Miller, J. T.
National Cornice Co. (Slate & Metal), 121
National Tile Roofing Co. E High
Roush, J. E., 145 S Main
Roush, Theo., 117 E North

LISBON—Armstrong, P. M. & Co.
Whitacre, Jno. (Slate)

LOCKLAND—Dauterich, E. (Slate & Metal)

LOGAN—Armstrong, C. P.
Work Bros.

LONDON—Speasmaker, P. Sons

LORAIN—Alten, N. C. (Slate & Metal)
Lorain Hdw. Co. (Metal & Slate)

LOUDONVILLE—Lepold, A. B. (Slate & Metal)
Marks, W. M. (Slate & Metal)
Miller's, L. S. Store (Slate & Metal)

LOUISVILLE—Bauman, G. F.
Bowen, Josiah & Son (Slate & Metal)

LYNCHBURG—Murphy Bros.

McARTHUR—Lantz Hardware Co.

MADISONVILLE—Blaney, U. G. (Slate & Metal)
Curtis, J.
Redman Bros. (Slate & Metal

MALTA—Mellor, J. E.

MALVERN—Lewis, W. C.

MANCHESTER—Kirschner, F. V. & Co.
Lang Bros.

MANSFIELD—Bell, H. M. (Slate & Metal)
Crouse, F. & Son (Slate & Metal)
Donaldson, George W. (Slate & Metal)
Flohr, G. A. (Slate & Metal)
Harris, Wm. M.
Harter, Sherman (Slate & Metal)
Hoffman, Chas. (Slate & Metal)
Malone, E. F.
Martin, C. E. & Bro. (Slate & Metal)
Moore, B. M. & Co.
Runyon, C. C. (Slate & Metal)

MARIETTA—Hall & Lusk
Meagle & Theabolt
Morgan, J. W.
Seyler Hardware Co.
Theis, H. P.

MARION—Edsell, Frank C.
Heldman, Oliver
Parratt, W. P.
Salter, F. R. (Slate, Metal & Comp.)

MARSHALLVILLE—Weimer Bros.
Wickard, C. A.

MARTINS FERRY—Bayliss, J. A. & Bro.
Horcher, A. A.
Koeherson, M. E.

MARYSVILLE—Church Bros. & Weld (Slate, Emmert, Conrad & Co. Gravel & Comp.)
Scott, O. M. & Bro. (Slate)
Turner, Richard

MASSILLON—Critchfield & Son
Kammer & Ertle (Slate & Metal)
Koontz, F. L. (Slate & Metal)
Oberlin, Chas. E.
Paul, A. J. (Slate & Metal)
Pinkle & Gleitsman
Portman, A. F. (Slate & Metal)
Wernet, Leo H.

MAUMEE—Myers Hardware Co. (Slate, Metal, etc.)

MEDINA—Oatman Bros. (Slate & Gravel)

MIAMISBURG—Schell & Pansing

MIDDLEPORT—Root, I. F.
Tewkesberry, G. W.

MIDDLETOWN—Fouts, C. C. (Slate & Metal)

MILFORD—Fritz, Walter A.

MILLERSBURG—Fitch, John
Helmuth & Burkey (Slate)
Hinkle, Geo. E. (Slate)
Hinkle, Jas. O. & C. T. (Slate)
Shoup, Calvin C.

MINERVA—Gallatin, G. W.

MINSTER—Kramer & Heverbeck

MOUNT EATON—Schlafly, S. A.

MOUNT GILEAD—Holt & Rule
Sames & Struble

MOUNT HEALTHY—Jackson-McNutt Co.
Sorn, John

MOUNT VERNON—Bird Bros. (Slate & Metal)
Chase, O. C. & Sons
Jewell, C. W. & R. M.
Umback, George W.
Rowley, A. F. & Son

NAPOLEON—Groschner, Otto A.
Hines & Son

NEWARK—Bailey & Keeley (Slate & Metal)
Clark, A. S.
Jones, J. C.
Magee & Davis
Nutter & Bishop
Weakley, J. W. (Tin & Slate)
Woodward, E. L.

NEW PHILADELPHIA—Koons, H. G. (Slate & Metal)
Taylor, O. P. & Son
Zellner Co. (Slate & Metal)

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NILES—Grimmer Bros.
Eaton, J. W. (Slate & Metal)
Niles Plumbing & Heating Co. (Slate & Metal)
Union Roofing & Supply Co.
NORWALK—Gfell, J. H. & Co.
NORWOOD—Braun, A. & Co.
Gerth, Anton
OTTAWA—Frey, E. L.
Jenkins, D. R.
Schierloh, C. A.
PIQUA—Alsbaugh, Fred'k
Heidle, Geo.
Kienle, Hy.
Lee, Geo. E. (Slate & Metal)
Morr, T. H.
Racine, Edw. C.
PLEASANT HILL—Whitmer Bros.
PLYMOUTH—Becker, F. L.
POMEROY—Prall, D. M.
Remington, B. R.
Skinner Hardware Co.
PORT CLINTON—Misener & Orth
PORTSMOUTH—Arnold, Aug. (Slate & Metal)
Conroy, Thos. & Son
Glockner, Alexander M.
Haney, W. S.
Hook, Frank
Lauter, Louis
Roth, Valentine
RAVENNA—Beckley, C. A. (Est. of)
Dole, J. G. & Son
Schultz, Henry (Slate & Metal)
READING—Hauser, John V. (Slate & Metal)
Hausser, Jos.
Hausser, George
ROSEVILLE—Zehrung, S. P.
ST. BERNARD—Waltermann, Jno. & Co.
ST. MARYS—Bishop, A. F.
Heisel, A. F.
Meyer, Louis
SALEM—Ashead, J. M.
Forsythe, Peter
Gamble, George W.
Harris, P. E.
Hole, C. B.
Salem Furnace & Roofing Co.
Walton, J. L.
Zelley, E. F.
SANDUSKY—Andrews, S. & Son
Gundlach, Chas. W.
Matern, Henry
Merts, Jacob & Sons
SCIO—Croghan, J. G.
Menkel, H. L.
SENECAVILLE—Brown & Lepage
SEVEN MILE—Hill, R. & Son
SHANESVILLE—Smith, Jno.
SHAWNEE—Williams, Jno. E.
SHELBY—Armstrong & Raugh (Slate & Metal)
Drake Hardware Co. (Slate & Metal)
Shelby Hardware Co. (Slate & Metal)
SHERODSVILLE—Williams, Mrs. M. A.
SIDNEY—Bayley, P. H. (Slate & Metal)
Reinisch, Geo. A.
Rostron, Jas.
Steinle & Miller
SNABURG—Bower, Frank O.
SOMERSET—Safford, Geo. H. & Co.
Yarnell, J. H. (Slate, Tin & Metal)
SOUTH CHARLESTON—Battin & Stoecklen (Slate & Metal)
SPENCER—Oakley, S. D.
SPENCERVILLE—McClain, A. W.
Pohlman, Chas. L.
SPRINGBORO—Hadley, J. W.
Thomas, J. S.
SPRINGFIELD — Bancroft, L., 80 S Yellow Springs
Fisher, W. Frank B., 23 W College av
Hauck, Chas. F. & Co., 35 W Main
Hendrickson & Petticrew, 30 N Fountain av
Humphreys, J. A. (Slate & Metal), 66 S Limestone
Lafferty, S. J. & Sons
Otto, F.
Parthemore, J. C., 24½ Primrose alley
Peet & Schuster Co. (Slate & Asphalt), 118 S Center
Schenck, Wm.
STEUBENVILLE—Bentz, W. K. (Metal)
Linehan, C. E.
McMahon, P. F.
Morgan, Edward (Slate, Comp., etc.)
Mosel, F. W.
Powers, H. P.
Yocum, F. W.
SULPHUR SPRINGS—Rader & Co.
SWANTON—Walsh, Jas.
SYCAMORE—Staum, Martha R.
Wagstaff, B.
TIFFIN—Burke, John
Crobaugh & Dahm Hardware Co.
Ernest, G.
Gahris, J. L. (Slate, Metal, Gravel & Felt)
Gundlach, A. W.
La Bar, J.
Smith, Jacob
Steinbrick, Louisa
Strandler, P.
TIPPECANOE CITY—McClure, J. W.
TOLEDO—Albrecht, J. H., 1825 Spielbusch av
Aman, John, & Co., 810 Nebraska av
Arnold, J. L., 1414 Dorr
Aufderheide, H. F., 618 St. Clair
Bally, Albert C., 932 Post
Benner & Faunce, 716 Summit
Bihn, John L., 93 Main
Burdick, L. F., Co. (Slate, Metal & Comp.), 2011 Adams
Cheney & Co., 531 S St. Clair
Cresswell, J. L. (Metal), 120 St. Clair
Curran & Firth (Steel & Tin), 620 Monroe
Eberth & Weis (Slate & Metal), 124 St. Clair
Finn Bros., 2116 Monroe
Francis, Hugh K., 605 Lagrange
Frech, Jacob F., Ontario & Orange
Garvey, M. J., 107 Michigan
Gerken, J. D., & Co., 1309 Wash'n
Gors, Herman W., 1844 B'way
Hofer, Fred'k, Jr. (Slate & Metal), ft Wash'n
Hofer, G., & Co. (Slate & Metal), 13 St. Clair
Hoffman, Harpst & Co., 1005 Cherry
Hummel & Hillebrand (Asphalt & Comp. Gravel), 427 Hamilton
Klink & Yeoman, 115 Euclid av
Kloeppinger, G. F. C. (Slate, Metal, etc.),
Krauter, J. F., 531 B'way 130 Ottawa
Laures & Pfann, 1805 Canton
Loeffler & Christen, 1401 Cherry
McManus, William, 917 Summitt
Meyerhofer, H., Jr., 313 Field av
Munding, Adolph, 914 Starr av
Miller, Chas. F. (Slate & Metal), 3246 Monroe
Neipp, Jno. W., 1515 Lawrence
Pollman, E. H., 708 Collingwood av
Ramler, M. J., & Sons, 1017 Summit
Richards, Charles E. G., 8 St. Clair
Sabin Bros. (Steel & Tin), Smead av,
Sailer, Ignatz A., 612 1st n Monroe
Scharer, Mrs. J. H., 1608 Cherry
Schillenger Bros. Co. (Gravel, Asphalt & Composition), 215 City Park av
Shuman, A. D., 626 Western av
Toledo Cornice & Copper Works (Metal & Slate), 130 Ottawa
Toledo Roofing & Painting Co. (Gravel, etc.), Smith & Baker bldg
Warnke Bros. Co., 23 Erie
Wilhelm, F. J., 1104 Monroe
Wortsmith, Frank, 415 Huron
TORONTO—Allison, Wm. R. (Slate)
Boswell, S. (Slate & Metal)
Brown, L. H. (Slate & Metal)
TROY—Cooley, H. A.
Hatfield & Scott
Kauffman, Chas.
Oblinger, J. W.
Schnaible & Smith
Schnell, George
UHRICHSVILLE—Leffler & Roby (Slate & Metal)
Smith, Leslie
URBANA—McCracken, J. C. & Sons
Schiede & Dunlap
VAN WERT—Clark, D. A.
Ross, Wm. B.
WAPAKONETA—Foos & Wehner
Kolter, F. F.
Meyers, Julius
Schemmel & Matlehner
Schminke, August
WARREN—Boorn, E. C.
Browning Bros.
Fox & Schier (Slate & Metal)
Skinner, L. E.
Warren Hdw. Co.
WASHINGTON—Allen, Chas.
Karney, F. P
Wilson, Jno. W. & Co. (Slate & Metal)
WASHINGTONVILLE—Gilbert, J. E.
WAUSEON—Harper, W. J.
WELLINGTON—Pierce, A. H.
Ransom-Buchman Co., The
WELLSTON—Rupp, Geo. H.
Rupp, J. H.
WELLSVILLE—Cope Hardware Co.
Morrow Bros.
Wellsville Hardware Co.
White, P. H. & Son
White, Smith & White (Slate & Metal)
WILLOUGHBY—Yaxley, W. H. & Son
WILMINGTON—Jeffries, L. C. & J. M.
Palmer, D. K. (Metal & Slate)
WILMOT—Burraw & Son
WOOSTER—Billman, S. H.
McClure & Co. (Slate & Metal)
Maurer, John W.
WYOMING—Kuhlman, Jno. H.
XENIA—Baldner & Fletcher
Henrie, C. O. (Slate & Metal)
Rayburn, Jas.
Scott, W. H. & Son
YOUNGSTOWN—Alexander, J.,
Bell, R. A. & Co. (Slate & Metal),
Blunt, Geo. (Slate & Metal),
Broadbent, W. J.
Carey, Philip Mfg. Co.
Dalzell Bros. (Slate), 21
Fioravante, Corradino
Goodge, R. E. (Slate & Metal),
Holland, A. D.
Kaiser, William
Laughlin Bros. (Slate & Metal),
Lawlor, Thos. J., 265 W Federal
Ludt, Jno. P. (Slate & Metal),
Palmer, C. O. & Son,
Parry, W. J. (Slate & Metal),
Perkins Hardware & Roofing Co.
Pettit, Myron (Slate & Metal),
Squire, Jno. R. (Slate & Metal)
ZANESVILLE—Berkshire, T. C. &
Hanlon & Saup, 142 N 7th
Harlan, John C.
Lady, J. W.
McCormack, G. W. (Slate &
Maher & Co., 701 Elm
Marcellus, C. J. & Son, 211
Nowell, W. B., 13 W Main
Schreiber Bros. & Flaharida
Schmidt, David (General)
Seright & Webster
Snyder Roofing Co. (Slate,

OKLAHOMA.

ANADARKO—Steisner, J. C. &
ARDMORE—Berryhill, Frank
Weeks Bros.
CHICKASHA—Hollingsworth, C. F.
DAVIS—Page, J. C.
EL RENO—Chapman, Wm.
Hollister & Co.
ENID—Enid Plumbing Co.
Van Frank, Fred.
EUFAULA—Edson, W. & Co.
GUTHRIE—Morris, F. L.
McALESTER—McAlester, J. B.
MARIETTA—Kisselburg, E. T.
MUSKOGEE—Bellis, A. B.
OKLAHOMA—Gray, J. T.
Herrman, F. W.
King, J. R.
Swanda & Finch
Wallace, J. J. (General)
PAULO VALLEY—Braden,
SHAWNEE—Bocher, M. C.
Estes, W. M.
Lester, S. H.

OREGON.

ALBANY—Ludwig, Martin
Stewart & Sox Hdw. Co.
ASHLAND—Provost Bros.
ASTORIA—Montgomery, E.
Sculley, W. J.
Willett, S. H.
BAKER CITY—Basche-Sage
Caldwell, Hampton
Hood, Joseph E.
Wood Bros.
BANDON—McNair, A.
COQUILLE—Lamb, J. A. &
CORVALLIS—Huston, R. H.
Smith, J. R. & Co.
EUGENE—Aya & Heitz
Chambers Hardware Co.
Griffin Hardware Co.
GRANTS PASS—Coron,
HEPPNER—Gilliam & Bis
MARSHFIELD—Milner, J. H.
MYRTLE POINT—Huling,
OREGON CITY—Gadke, F. C.
Pope & Co.
PENDLETON—Beck, Benj. F.
Clarke, W. J. & Co.
Taylor Hardware Co.
PORTLAND—Abbett Tinning
Austin, J. L., 387 E Adler
Bailey, Bernard, 372 N
Bartosch, John, 288 Russell
Bayer, J. C. (Slate & Metal),
Bilger & Nichols, 353 Ankeny
Blosser, Abraham, 571 Tenino
Burkhart & Weaverson, 366
Burkley, J. A.
Campbell, J. M., 368 Russell
Columbia Hardware Co.,
Curry, A. W., 116 Grand av
Ehlers, Albert, Montavilla
Gabriel & Groeges, 181 E

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Hirschberger, J. (Metal & Gravel), 247 Kadderly, John J., 141 1st Ankeny
Kelly Bros., 153 E 34th
Kingsley, J. S., 270 16th
Kribs & McDonald, 200 2d
Losli, Jacob, 212 Jefferson
McMahon & O'Connor, 5 N 3d
Meier, J. A., 205 Russell
Moore-Meagher Co., 42 1st
Northwest Roofing Co.
Oregon Sheet Metal Works, 146 Front
Petsch, C. F., 643 Umatilla av
Roland & White, 830 Union av, N
Ruedy Bros., 268 Front
Senn, Theodore, 652 1st
Throndsen, Theodore C., 290 Grand av
Tilton Bros., 105 N 5th
Wynkoop, L. W., 248 Ash

ALEM—Barr, T. M. (Metal & Slate)
Steiner & Berger

HE DALLES—Maier & Schanno
Mays & Crowe
Sexton & Walther

PENNSYLVANIA.

DAMSTOWN—Schnader, Levi C.

KRON—Kemper, Geo. A.

LLEGHENY — Allegheny Cornice & Skylight Co. (Slate & Metal)
Arndt, Herman & Co., 2002 Chartiers
Baets, Mrs. M., 811 Chestnut
Bloedel, Herman R., 408 Chestnut
Dages & Co., 2056 Chartiers
Fortenbacher, J. & Son, 538 Ohio, E A
Gauger, A. C., 618 Jackson
Gebb, John, 127 Ridge
Geyer, Jacob, Atlantic av, nr Termon av
Hart, Wm. V., 5 Robinson, W A
Hartzell Bros., 1325 Sheffield
Helt, Frank W., Ellis & Perrysville avs
Helt, Geo. P. (Slate, Metal & Gravel), 1915 Sedgwick
Jacobs, Anthony, 1240 Franklin
Kemmer, Jacob, 1308 Geyer av
Kirk, Chas. H., 1018 Beaver av
Knodell, W. H. (Slate), 510 E Diamond
Limbach, Frank, 1614 Lowrie
McCaw, T. W. Roofing Co. (Gravel), 104 Erie, W A
McGraw's, J. A. Bros. (Gravel, etc.), 220 Sandusky
Myers, F. D., 105 Robinson
Nimpfer, A. J., 42 Rhine
Retter, Frank (Tin), 1530 East
Sands & Creagh, Allegheny av & & W P R R
Schimpf, H. & Son, 12 Rolla
Schmidt, A., 85 McClure av
Schmidt, Geo. P. & Son (Slate), 1018 Ohio
Schnaufer Roofing Co., 816 Concord
Scholes Bros. (Slate & Metal), 1241 Rebecca
Schroffel, John & Son, 316 Spring Garden
Schwartz, Herman, 3035 Stayton av
Watkins, E. J. (Tin), 3035 Geyer av
Weiseckel, P. J., 342 Md av

ENTOWN—Allentown Cornice Works
ernhard's, Z., Sons Slate & Metal)
est, J. A., & Co.
tinger, C. H. & Co.
ersh & Bro., 829 Hamilton
erzog, F. (Slate & Tile)
erzog, Charles
ine, Alfred L.
rkel, Wm. J. (Slag, etc.)
ller, Jacob, 535 Linden
th, Daniel J., 212 Hamilton
el, T. P., 616 N 5th
ser, T. R.
der, Harry & Co. (Slag, etc.)
NA—Degenhart, W. J.
enhart, John P.
enhart & Segmiller
land, S. B., 1412 6th av
ahan, P. F. & Sons, 1104 16th
lday, J. C.
hes, J. C. & Son, 906 8th av
son, A. A., 1218 8th av
mel, Philip, Jr.
mel, W. J.
ius, Geo. A., 600 12th
rs, W. T. (Slate & Tile), 915 11th av
nenschmidt, Henry (Slate), 2601 9th
thne, Henry av
n Roofing Co. (Tile, Slate & Gravel)
garver, R. S. cor 11th av & 13th
inson, Lee A.
ter, Frank
LE—Keller, S. F.
n, W. H. H. & Bro.
)—Baxter, E. L.
RE—Whelan, M. A.
ID—Barnard, C. H.
Peter E. & Sons
. Jno. J.
nnell & Bro.
Herman J.

ATHENS—Finch Bros.
Roberts, G. L. Co.
AVALON—Springer, O. P.
AVOCA—Druffner, Christopher
Dunn, T. J.
Webber, George V.
AVONDALE—Thomas, Joshua
BAINBRIDGE—Hipple, H.
BALLY—Eddinger, Henry
BANGOR—Dutt Bros.
Houck, W. O.
Snyder, Edwin
BATH—Beer, Jacob F.
BEAVER—Lawrence, Jos. W. (Slate & Metal)
Simpson & Ingam
BEAVER FALLS—Allen, Thomas R.
Barker Bros.
Brierly, F. F.
Davidson, W. J. (Slate & Metal)
Zeller, Henry W. (Slate & Tile)
BEAVERTOWN—Snyder, W. G.
BECHTELSVILLE—Kehs, I. B.
BEDFORD—Shires, H. P.
BELLEFONTE—Twitmire, W. T.
BELLE VERNON—Hasson, J. P.
Odert & Clendenon
BELLEVILLE—Utts, Wilson S.
BELLEVUE—Knell, Louis
BENNETT—Presthold, Edw.
BENTON—Keller, G.
Keller & Couner
BERWICK—George, O. W.
Laubach, H. C. & Son
Lenhart, J. W.
BETHLEHEM—Bishop, Augustus S.
Campbell, Abraham A.
Heiney, C. W.
Krause, Henry A.
Kromer, Amandus A.
Lehigh Valley Cornice Works
Luchenbach, F. E. & Bro.
Schall, Fred J., West B
Schlosser, Jacob F., West B
Wagner, Frank A.
Young & Weaver
BIRDSBORO—De Witt, August
Prutzman, J. M.
BLAIRSVILLE—Alter, F. M. (Slate & Metal)
Alter, J. O. (Slate & Metal)
Alter, O.
Forsha Bros. (Slate, etc.)
Stiffey, S. D. & Sons
BLANCHARD—Clark, D. W.
BLANDON—Madeira, Samuel H.
BLOOMSBURG—Hartman & Mendenhall
Whary, L. E.
BOYERTOWN—Yahn, Jacob B.
BRADDOCK—Braddock Hdw. & Supply Co.
Edmunds, Richard W.
Loew, J. A. & Co. (Slate & Tin), 546 Braddock av
Schilling, Conrad, Jr. (Slate & Tin), 644
Shirer, J. W. (Slate & Metal) Corey av
Shiver, W. L.
Shuart, J. W.
Sickman, John A.
BRADFORD—Bodine, Geo. A. & Co.
Fox, Jas. B.
Griffith, T. M. & Son
Haggerty, Marceus A.
Tschachtli, Louis
BRIDGEPORT—Kalb, J. F.
BRISTOL—Bevan, Lewis J.
Girtom, Wm. A.
Hendricks & Mariner
BROCKWAYVILLE—Bond & Cooper
BROOKVILLE—Blake, E. B. (Slate)
Henderson, Robert L.
Sentner, J. H.
BRYN MAWR—Bryn Mawr Hardware Co.
Morris, Jos. A.
BURGETTSTOWN—Conrad, Henry
BUTLER—Barnard, C. H.
Riehl, Henry
Campbell, J. G. & W.
Gill, Mrs. Jessie
Gilmore, W. B.
Hauck, F. J.
Rock, C.
Wilson, Wm. B.
CAMPBELLTOWN—Whitman, A. M.
CANONSBURG—Elliott, W. J.
Van Eman, J. J. & Son (Slate & Gravel)
CANTON—Clayton, W. H. (Agt.)
Pierre, Theo.
CARBONDALE—Bell & Brown
Van Bergen & Co.
Von Beck Bros.
CARLISLE—Bixler, J. P. & Sons
Fridley, Jacob
Morris & Riley
Rinesmith, Geo. W. & Sons

CARNEGIE—Linfestey, T. M. & Co.
Rome, Geo. & Co.
Schrieber, Elmer H.
Schultz, Jno. F. & Son
Thomas, Jno. C. (Slate)
CATASAUQUA—Schneider, Chas.
Schneller, Charles W.
Schneller, Jno. P.
Souders, Henry J.
CENTER SQUARE—Drake, S. B.
CHAMBERSBURG—Kyster & Snider
Hanks, Jared B.
Lay, Wilson F.
Lesher, Daniel (Slate)
Miller, C. P. & Co.
Miller, F. A.
Reside, Wm. H.
Stepler, George H.
CHARLEROI—Bowers, John H.
Freeman, Fred
Laird, J. F.
May, L. W. & Co.
CHESTER—Armitage, Geo. L. (Slate, Metal & Gravel)
Beaumont, Wm., Jr. (Slate & Metal)
Beaumont, J. C. & J. D.
Brackenbridge, Jas.
Deveney, Wm. L. (Slate & Gravel)
Doran, Jno. A.
Eisenbise & Bro. (Slate, Metal & Gravel)
Fryer, James
Goodman, K. & Son
Howarth's, Robt. Sons (Slate, Metal
Ives, E. T. Gravel)
McCarey, Edw.
Shea, Jno. F.
Smith, George G.
Ward, Hugh H. (Slate, Gravel & Metal)
CHRISTIANA—Donoghue, Geo. W.
Koons, Geo. A.
CLAYSVILLE—Plants, C. C.
CLEARFIELD—Johnson, F. & Bro.
Kettelbarger Bros.
COATESVILLE—Cordes, Hy. B.
Glauner, Jno. R.
Plessant, John
Sallis, Wm. (Slate & Tile)
Speakman, J. E.
Young, W. W.
COLLEGEVILLE—Hunsicker, A. K.
COLMAR—Clark, J. S.
COOPERSBURG—Fliehr & Eckert
COLUMBIA—Conley, Albert B.
Hang, Jacob
Paules, J. W. (Slate)
Strickler, Calvin R.
White, Thos. S.
Wilson, Hiram Hardware Co.
CONNELLSVILLE—Fitzmier & Co.
Skinner, J. B.
CONSHOHOCKEN—Messinger's, H. C. Sons
Mullen Bros.
Sower & Campbell
COPLAY—Sieger, Elias
CORAOPOLIS—Engle, J. C. (Slate & Metal)
Stoops, T. D. & Co.
CORRY—Barlow Hdw. Co.
Guignon, E. E.
Guignon, H. A.
Miller & Stewart
DANIELSVILLE—Hower, J. K.
DANVILLE—Doster, J. H.
Foster Bros.
Hendricks, Geo. W.
Hixon, John
DARBY—Appleton, A. N.
DELTA—Baker & Bro.
DONORA—Hodge, R. H. (Slate & Metal)
DOYLESTOWN—Donnolly, John J.
Histand Bros. (Slate, Tin, Tile & Iron)
DUBOIS—Heilbrun, Henry
Hibner-Hoover Hardware Co (Slate, Metal
Prothero, F. W. & Gravel)
DUNMORE—Hughes, T. J.
Priem, Herman
Wheatcroft, Wm.
DUQUESNE—Rannigan, Wm. & Co.
Thomas, G. E.
DUSHORE—Cole, Samuel
Cunningham, Jas.
EAST BRADY—Blatt, V.
EAST HAUCH CHUNK—Genshart, Geo. M.
EASTON—Arndt, Wm.
Bennett, H. H.
Grogan, James
Hahn, Richard S.
Kinsey, H. P.
Linden & Son
Meeker, L. R., 466 Northampton
Miller, E. H. (Metal, etc.)
Miller, H. R., 628 Northampton
Osterstock, Jos. S., 212 Northampton
Schooley, H. C., 1126 Northampton

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Seybert, B. F., 1101 Butler
Slough, Joseph
Stotz Bros. (Slate & Metal)
Vogel, Harvey E.
Wilson Stove & Mfg. Co.

EAST STROUDSBURG—Barnhoeft, George J.
Lessig, Joseph H.

ELDRED—Young, W. A.

ELIZABETH—Wylie Bros.

ELIZABETHVILLE—Hoke, Ira. M.
Ziegler, Lewis H.

ELLWOOD CITY—Lenigan, J. W.

ELVERSON—Fox, Henry S.

EMAUS—Wieder, H. A.

EMLENTON—Shoemaker Bros.
Weller, J. A. & Sons

EMPORIUM—Murray & Coppersmith Co.

ERIE—Balser, John
Einhellig, J. A.
Erie Roofing Co. (Felt, Slate, Asbestos, etc.), 1310 Sassafras
Feidler & Hippeli
Kretz, Jacob, 527 French
Miller, John, 617 W 18th
Minzenberger, Jacob
Murphy Bros. (Slate & Metal), 22 N Park
Patterson & Sterling (Slate & Metal), 12th
Rasttatter, H. B. & French
Ruland, J. S.
Sweigard, U. D., 424 W 19th
Trimble, W. S.
Woeckner, H. A.

ETNA—Hartman, Charles A. Son & Co.

ETTERS—Shaffer, Geo. F.

EVANS CITY—Dunbar, B. W.

EVERETT—Gorsuch, Thomas V.
Herman, F. H. & Son

FACTORYVILLE—Connors, John

FLEETWOOD—Maderia, Levi
Schlegel, Wilson K.

FRACKVILLE—Haupt Bros.

FRANKLIN—Greer, C. H.
Harding, George
Lovell, S. A. & J. W.
Tiffany & Ramsdale

FREDERICK—Knorr, Jno.

FREDERICKSBURG—Kirst, Geo. W. & Son

FREEDOM—Overton, R. J.

FREELAND—Marchetti, Henry
O'Boyle, M. M.

FREEMANSBURG—Cole, O. V.

FREEPORT—Dougherty, Wilson
Wallace, E. H.

GALLITZIN—Buck, Jos. G.

GETTYSBURG—Gottwald, George G.
Smith, A. J.
Winebrenner, Thomas J.

GIRARDVILLE—Horsewood, William

GLENFIELD—Friese, Chas.

GLEN ROCK—Kraft, Albert W.
Lau, L. B.

GRATER FORD—Smith, J. L.

GREENVILLE—Bennett, E. F.
Dickey Bros.
McManus, L. A.

GROVE CITY—Filer, W. H. (Slate & Metal)
Rhodes & Redmond

HALLSTEAD—Rogers, J. B.

HAMBURG—Egolf, B. F.
Rau Bros.
Seidel, R. F.

HANOVER—Bargelt, Lewis I.
Bargelt, Paul E.
Bixler, D. D. & Son
Rohrbaugh, John F.
Slagle, William A.
Wentz, B. M.

HARLEYSVILLE—Wolford, H. D.

HARRISBURG—Cleckner & Burke, 1226 N 3d
Ebert, William, 418 Reily
Ensminger, S. D.
Fager, Geo. C. & Sons
Fisher Bros., 1001 Capitol
Mull, G. W.
Nissley, H. K., 14 N 3d
Partheimore, L., 37 N 13th
Payton, Michael
Rebuck, J. M., 1849 Derry
Rein, H. A.
Towsen, T. F. (Slate), 509 Walnut
Snook, W. H., 334 Kelker
Starr, M.
Weast, George B.
Weiss, E. W.
Zeiders, W. W.
Zeigler & Hayes

HARRISON VALLEY—Hubbard, C. G.

HATBORO—Butterworth & Frets

HAWLEY—Lieber, August K.
Mayer, Albert

HAZLETON—Barber, J. F & Co (Slate & Metal)
Cohen, Jacob
Koehler, George G. & Son
Murphy, Daniel S.
Schmauch, N. J., 46 E Mine
Tunnessen, William
Wagner, E. E. & Co.

HELLERTOWN—Fehr, F. L.

HOLLIDAYSBURG—Brenner, William
Frank, G. J.
Reed, J. H.
Schilling, John M.

HOMESTEAD—Nebo Bros. (Slate & Metal)
Roberts, Jno. H.

HONESDALE—Spettigue, O. M.
Watts, Graham

HONEYBROOK—Anderson, A. M.

HUMMELSTOWN—Nye & Conrad

HUNTINGDON—Fink, B. F.
Hasseuplug, William
Vaughan, F. C.

INDIANA—Alter, Charles A. (Slate)
Hamilton, George T.
Taylor, Alexander T.

INTERCOURSE—Rodgers & Leaman

IRWIN—Bowman, John A.
Miller, H. S.
Shotts, E. P.
Smith, E. W.

JAMESTOWN—Robb, S. L.

JEANNETTE—Dreugwitz, O. A.
Koerbel Bros.
McCormick, W. L.

JENKINTOWN—Fleck, W. C. & Bro.

JERMYN—Eagen, M. J.

JOHNSTOWN—Alter, F. E.
Doyle, F. J.
Fenn, Wm. J.
Friedhoff & Mahaffey
Garretson, N. S.
Grafe, Jno. A.
Joy Bros., 234 Bedford
Luttringer Bros.
Milligan, James J.
Statler, W. H.

KANE—Crowell, Theodore

KENNETT SQUARE—Martin & Sill
Thomas, Chas.

KINGSTON—Gallagher, P. L.
Johnson, Harry F. & Sons

KIPPLE—Colestock, S. H. (Felt, etc.)
Lees, John W.

KITTANNING—Croll, Lee S.
Graham, A. W.
McConnell & Luker
McCullough, James, Jr.

KLECKNERSVILLE—Fehnel, John E.

KULPSVILLE—Kline, H. E.

KUTZTOWN—Smith, Joshua

LANCASTER—Ackerman, Jacob P.
Arnold, John L. (Slate, Metal & Slag)
Dare, John H.
Everts & Overdeer, 1 Howard av
Fellman Bros.
Kiehl, George L.
Long, Joseph, 402 E Orange
May, Cornelius F.
Miller, David H.
Peach Bottom Roofing Slate Co. (Slate)
Reeser, Jos. A.
Pohl, John E.
Schaum, John G.
Sener, G. & Sons (Slate), 309 N Prince
Sheet Metal & Supply Co. (Metal & Comp.)
Slaugh, William
Swartz, Harry B.

LANDISVILLE—Sanders, D. D.

LANDSDOWNE—McCullough, C.
Nacey, John (Slate & Metal)
Worrell, Wm. H.

LANSDALE—Davis, Lewis M.
Weingarther, C. S.

LANSFORD—Davis, T. L.
Drumheller, N. & G. F.
Hall, J. R. (Slate)

LATROBE—Carouthers, J. D.
Crawford, Chas.
Gardner, M.
Gregory Bros.
Houck & Son
Lohr, Jacob H.

LEBANON—Blyler, Frank P.
Bower, A. H. (Slate)
Bressler, C. O. & Co.
Coble, L. M. & Co.
Gamber, Wm. P.
Grumbein, J. E. Co.
High, D. F. (W Lebanan)
Reinhard, T. H.
Rise, William S.
Seltzer, J. H.
Uhler & Kline

LEECHBURG—Leechburg Hardware Co.
McGeary, J. M.
Small & Hill

LEHIGHTON—Esch, George A.
Jones, James T.

LEWISBURG—Cromley, William (Slate)
Wensel, W. N.
Zentmeyer, Frank

LEWISTOWN—Fichtborn, Joseph A.
Spangler Bros.
Thomas, James I.
Zerbe, H. R.

LEWISVILLE—Ewing, George T.

LINFIELD—Daub, H. L.

LIVERPOOL—Coffman, W.
Staily, H. B.

LOCK HAVEN—Baker & Co.
Bittner, G. W.
Fickenscher, Frederick (Est. of)
Fredericks, J. H. & Bro.
Geary, M. P.

LUZERNE—Snyder, John T.

McKEESPORT—Bestwick, Jacob (Slate & Metal), Blackberry
Dale, John
Exner, W. H.
Hartman Hardware Co., 215 5th av
Kemp, Jas. F. & Bro.
McKeesport Plbg. & Roofing Co.
Miller & Matthews
Myers, Jacob, 910 Jenny Lind
Reed, F. M. & Co.

McKEES ROCKS—Smith, Hy. J.
Van Tine, John

MACUNGIE—Desh, Milton

MAHAFFEY—Wrigley Hardware Co.

MAHONEY—Heinze, George C.
Heiser, H. J. & Co.
Larkin Bros.
Leahy, Thomas F.
Miles, J. W.
Morgan, William
Stokes, Geo. S.

MALVERN—Garret, R.
Morgan, W. & T.

MANATAWNY—Yoder, M. S.

MANHEIM—Ream, Frank W.

MARIETTA—Strump & Mueller
Wiseman, A.

MARS—Zeigler, A.

MARSHALLTON—McFarland, H. J.

MAUCH CHUNK—Bartholomew, E. D.
Schrank, William M.

MEADVILLE—Berg, Fred J.
Gill, D. A.
Guenther, F. M.
Powell, M. M. & Co.
Roueche, Frank (Slate & Metal)
Welk & Stein

MECHANICSBURG—Bobb, G. W.
Cromleigh, D. A.
Hauck Bros.

MEDIA—Buckley, Miss E. A.

MERCER—Downs, James

MEYERSDALE—Baer & Co.
Bolden, Chas. A.
Cover, P. J. & Son

MIDDLETOWN—Keever, W. F.
Lenhart, H. A.
Selser, S. S.

MILFORD—Klein, T. B. J. & Son

MILTON—Leh, Dennis (Slate)
Martz, P. R.

MINERSVILLE—Martz, J. F.
Witman, August

MONACA—Heidrick & Taylor

MONESSEN—Bearer, H. J. & Co.

MONONGAHELA—Downer Bros. (Slate

MONROETON—Smalley, Geo. H.

MONT CLARE—Logan, A. L.

MOORES—Gould, M. D.

MORGANTOWN—Foreman, Lott B.

MORTON—Manning Bros.

MORWOOD—Groff, H. W.

MOUNT CARMEL—Beddall & Wardrop
Rerastresser, Sam'l E.
Phillips, Wm. H.
Williams, H. H.

MOUNT JOY—Buehl, John H.
Webb, Jas. E.

MOUNT OLIVER—Bametsrieder, Henry
Wagner, John S.

MOUNT PLEASANT—Metz, David
Patterson, G. W.
Smith, W. H. & Son

MYERSTOWN—Drybred, I.
Smith, T. H.

NANTICOKE—Hill & Evans
Lecher, Chas. H.

NATRONA—Hookey, N.

NAZARETH—Bardill, John F.
Fulmer, Joseph
Messinger, Frank

NEW BETHLEHEM—Anderson Hardware
Cribbs & Fox
Martin, J. E.

NEW BRIGHTON—Bestwick, G. A.
Derrickson, Alfred (Slate & Metal)

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Funkauser, S. H. & Co. (Slate & Metal)
McDaniel, R. B. Co. (Slate)
Reehl, P. H. (Slate & Metal)
W CASTLE—Carr, J. C.
Dickson & Co.
Dunlap & Sons
Hannon Joseph (Slate & Metal)
Heilman, William (Slate & Metal)
McBride Bros. (Slate & Metal)
McClelland, A.
Meyer, Geo. F.
Pisor, M. C.
Welch Hardware Co.
W CUMBERLAND—Kister, Harry E.
Lenhart, De Lancy Y.
W HOLLAND—Davis, I. G. & Son
W KENSINGTON — Masters, Robinson & Crooks
diller, Harris
Pflough, W. J.
Seybold, S. R.
Speer, A. L.
WPORT—Burd, S. W.
WTOWN—Lundy & Shinn
hillips, John W.
mith, W. A.
OLSON—Driggs & McConnell
tephens, Bert D.
RISTOWN—Boyer, J. Frank Plumbing & Heating Co.
ressman, J. T.
e Sohns, Geo. B.
ohnson, W. F.
eisen, Oliver
elman & Frey
illman, Benjamin (Slate & Metal)
H EAST—Philips, L. J. (Slate)
lkregg Hardware Co.
HUMBERLAND—McAlister, Clarence
ager, Geo. W.
H WALES—Leister, J. H.
yers, Wm. H.
arer, Abel K.
TZ—Horner, Maurice P.
ITY—Booker Sheet Metal Works
son, J. M.
ks, F. G.
der Bros. (Slate)
-Carl, Jonas
er, F. D.
ANT—Mackey, M.
ivan, J. F. & Co.
SBURG—Long, James H.
D—Burling, Wm.
n & Armstrong
youn, T. J.
RTON—Benninger, Abraham (Slate)
ISE—Le Fevre, Nat'l J. & Son
R FORD—Mull, Mahlon C.
RSBURG—Cromleign, S.
e, Peter D.
RS LANDING—Dunlap, E. F.
S—Trethaway, Thos .
away Bros.
—Harper, J. C.
GYL—Bieler, C. & Son
ll, R. S.
OK—Wagner, Reuben N.
URG—Diehl, Wm. B.
el, V. H.
VILLE—Winner, J.
ELPHIA—Abrams, Harry, 851 N 10th
ski Bros., 1615 Stiles
H. C., 738 S 20th
, Frederick J., 16 Harvey, Gtn.
n, Alex., 948 N 7th
n, Louis, 932 N 7th
g, F. Co., 805 N 13th
can Metal Cornice Works, 1124 Ontario
can Roofing Co., 1535 Ridge av
s, Henry Sons, 1514 E Passyunk
erg, William, 933 S 6th
rong, Charles W. (Comp., Gravel, Slag & Slate), 46th & Lancaster av
lsky, Louis, 1506 S 7th
Charles A., 3527 Haverford av
k, Isaac, 623 S 3rd
Chas., 2237 N Front
Robert, Co., 815 S. 19th
Edw. J., 511 Richmond
Warren, 1600 N Front
Andrew, 1939 S 8th
Hardware & Heating Co., 1024 Columbia av
John C. (Comp., Gravel & Slate), 16th, c Ellsworth
mew, R. & Son, 445 Norris
Erickson & Co., 26 Armat
John, 744 S Front
Nicholas G., 1329 S 10th, Gtn
Christian H., 1233 Poplar
on, Andrew D., 2115 Oxford
nt, Jas., 49 W Rittenhouse, Gtn.
Ferdinand L., 3210 York
George, 1401 N. Fawn

Benkler, Philip (Comp., Gravel & Slate), 1927 N 5th
Benner, Geo. W., 2508 Germantown av
Berman, Morris, 1024 S 3rd
Berman, Noah, 607 Bainbridge
Berman, Samuel, 805 N 13th
Berner, William, 2700 N 5th
Besofsky, Samuel, 1634 S 2nd
Beswick, Richard, 330 S 4th
Beyer, Irwin H., 1488 N 52nd
Bischoff, Jacob G., 2958 Frankford av
Black, Edwin C., 1720 Fkd av
Black, Morris, 619 Pine
Blaker, I., & Son, 722 S. 3d
Blaker & Goldstein, 313 S. 5th
Bleacher, Louis, 709 N 3rd
Blefgen, Henry J., 868 N 4th
Blumbach, Harry, 403 S 6th
Blythe, John H., Jr., Cottman cor 2nd St Pk Fox Chase
Bohem, A. & G., 15th & Federal
Bonner, A. J., 1633 N 2d
Bortel, E. S. Co. (Slag, Slate, Metal & Tile), 1801 Market
Boswell, Walter, 930 Old Soldiers' Rd, Lawndale
Brady, James T., Jr., 2511 E Clearfield
Brenner, Ed., 1650 Gtn av
Brenner, Chas., 1744 E Passyunk av
Brinkmann Bros. (Gravel, etc.), 2617 Frankford av
Broadbent, Chas. W., 1635 Lombard
Bromwell, Chas. E., 2140 S. Simpson
Brown, David P., 2302 N 29th
Brown, Geo. (Tin), 617 Cherry
Brown, H. J., 905 Fairmount av
Brown, Joseph E., 1003 Race
Brown, Samuel, 1203 S 7th
Brown & Welsh, 719 Sansom
Bruggia, Vincent, 917 Christian
Buchert Bros., 1602 Venango
Buchy, Henry A., 7320 Woodland av
Buckman, Geo. W., 1840 Poplar
Buckman, Stephen A., 1905 Ridge av
Buehler, John L., 902 N 26th
Bulley, Jno., 1866 N Taney
Buzby & Hellerman, 5324 2d st pk, Olney
Byrd, John (Copper, Tin, Slate & Tile), 1427 Catharine
Call & English, 339 N Lawrence
Calverly, Geo. H., 1319 Parrish
Caplan, Israel, 802 S 6th
Carlin, Philip, 1743 Venango
Carney, Jno. J., 1123 Christian
Carr, Jno. E., & Son, 4118 Lancaster av
Carre, D'Angell H. (Est. of), 143 N 13th
Carrigan, Peter, & Son, 114 N 5th
Carroll, Wm. D., 2316 N 27th
Cassidy, James, 801 Noble
Cattle Bros. Co., 1708 N Howard
Cave, John C., 6149 Haverford
Chambers, John, 706 S. 19th
Chew, Wm. A., 306 Spruce
Chidister, Chas. R., 3626 N Smedley
Clad, V. & Sons (Inc.), 12th nr Locust
Clampman, Chas., 919 S 6th

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428 Kinsley av, Providence, R. I. (See adv. index, end of book)

Clausius, Frank, 929 N 11th
Clayton's, F. B., Sons, 1222 Race
Coburn, Geo. A., 7216 Gtn. av, Gtn.
Coburn, George R., 7314 Germantown av
Coffey, Richard H. (Comp., Gravel & Slate), 1914 N 5th
Cohen, Bernard, 336 S 3rd
Cohen, Israel, 1320 S Fairhill
Cohen, Julius, 736 S 6th
Colbanovsky, Robert, 1426 S 7th
Colbert, F. M. (Comp., Gravel & Slate), 5208 Baltimore av
Collier, Charles A., & Son (Tin), 2052 Fairmont av
Columbia Heating & Roofing Co., 6212
Connor, Francis E., 2838 D. Gray's av
Cooney, John, 424 N 12th
Cooney, Thos., 1710 S 10th
Copes, Edwin L., 214 Washington av
Corbaman, Fred'k, 927 S 5th
Corbaman, Max, 927 S 5th
Corbin, James W., Union av nr Oak la
Cornell, Hugh T. (Slag & Gravel), 1845 N 6th
Cortright Metal Roofing Co. (Inc.), 50
Covelli, Giuseppe, 928 S 10th N 23d
Cranston, Alfred, 2527 N 2nd
Curran, Thomas J., 4524 Baltimore av
Daub, Chas. E., 1322 Fkd av
Davis, C. H., Nedro, c York rd, Btown
Dawson, James, & Son, 3535 N 5th
Dawson, John P., 3625 Longshore Tac
Decker, Jno., & Son, 2704 Girard av
Delaney, Martin J., 2023 Rowan

Delaney, Roger H., 5856 Magnolia, Gtn.
Devlin, John J., 2814 Bridge bldg
Dickson, Jno., 105 E Chelten av Gtn
Didow, Abraham, 425 Wood
Diehl, Wm. W., 909 N American
Dillon, Francis T., 1206 Federal
Donin, Nathan, 1413 S 4th
Donnell, Joseph, 630 S 19th
Donnelly, James P., 2001 E Elkhart
Donnelly, John P., 938 W Huntington
Donovan, Emmet, 614 S 52nd
Donovan Bros., 516 S 60th
Dool, Samuel, 3410 Richmond
Douglas, J. V., Construction Co., 1738
Dragan, Philip, 2046 South N 11th
Drucker, Isaac, 1419 S 7th
Duffey, Thos. C., 302 N Frazier
Dunn, Harry A., 414 McClellan
Dux, John F. (Comp., Gravel & Slate), 2239 N 2d
Earle, Wm. (estate of), 2132 Callowhill
Ebner, Frederick C., 2809 Gaul
Eisenhower, Leon D., 2008 S Juniper
Elliott, Andrew G., 6845 Gtn. av
Ellis, G. D., & Sons Co., 229 Vine
Endress, George, 700 N 3rd
Enterprise Cornice Works, 4714 Market
Epple, Peter, 1800 S 10th
Esmond, Daniel, 1943 N 2d
Evans, Othaniel B., 1635 N 26th
Eureka Roofing Co., 5221 Market
Fairley, Alex. W., 1609 N 17th
Fehrle, Thos. F., 2666 Coral
Filbert Paving & Construction Co. (Comp., Gravel & Slate), Pennsylvania bldg
Finck, J., 403 N 60th
Fine, S. D., 905 S 16th
Fischer, Frank C., 828 Spring Garden
Fliter, Isaac, 611 Lombard
Flounders, E. L., 1337 Poplar
Flynn, Patrick, 1745 Fernon
Foertsch, Geo. H., 271 Susquehanna av
Foley, Jos. F., 1132 Callowhill
Foster, Fred'k, 805 Spring Garden
Foster, Thos., 402 Richmond
Fow, Benj., & Sons, 210 N 2d
Fox, A. G., 1624 Passy'k av
Frearson & Hanlon, 315 E. Haines, Gtn.
Freedberg, Abraham, 1433 S 5th
Frey, Gottlieb, 1250 N 10th
Friedberg, Morris, 766 S 5th
Fuss, John, 4807 Richmond
Garges, Benjamin F., 1943 Brunner
Gans, John H., 2908 Gtn av
Gara, McGinley & Co. (Comp., Metal, Slate, Tile, etc.), 23 S 17th
Garraty, James F., 4089 Lancaster av
Gassner, Thos., 4530 Greene, Gtn
Gebhardt, Jacob, 515 W Mt Pleasant av
Geiger, Gustave, 4924 N Uber Mt A
Geissel, J. H., 2218 N 29th
Geissler, Chas. F., 3211 N 17th
Genasco Roofing Co., 2242 Land Title bldg
Gibson, Peter, 3213 Germantown av
Gildenfenny, Chas. H., 7115 Woodland av

GILMAN SNOW GUARD
103 Merrimac, Boston, Mass. (See adv. index, end of book)

Giltman, Max, 246 Monroe
Girard Cornice & Roofing Co., 2318 Market
Gold, Benjamin, 1404 S 2nd
Goldberg, Harry, 237 N 5th
Goodleman, Harry, 706 S 3rd
Goodwin, Fred O. (Comp., Gravel & Slate), 554 N 53d
Goodwin, William, 3300 N 21st
Gottschall, Llewellyn W., 4849 Lancaster
Graber, Francis, 2306 N 3d av
Green, Louis, 206 Monroe
Green, Jeremiah J., Edmund, nr Longshore, Tac.
Grey, James, 1219 Cadwallader
Gross, Wm. A., 2210 E Norris
Gross, Wm. E. (Comp., Gravel & Slate), 1224 Oxford
Grover, Thos. E., 1115 S. 47th
Guenther, R., 227 Brown
Hack, John C., 1400 S 8th
Haines, Geo. W., 1619 Catharine
Hammer, J. B., 6104 Germantown av
Hansell, Geo. H., 6102 Ridge av
Harbolsheimer, Chas., 926 N 28th
Harken, Samuel, 2135 S 8th
Harrington, Lucien H., 4541 Woodland av
Harris, Joseph S., 2027 E Dauphin
Harris, Samuel, 2101 Lombard
Hart, Christopher, 33 E Graver's la, C. Hill
Hart, James J., 2311 Callowhill
Hartman, Alvin F., 2939 N 22d
Hawthorne, Joseph J., 1724 Moyamensing av
Haybeck, Philip, 2300 Cedar
Heard, James, 1819 Church, Fkd.

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Heath, Albert S., 1018 Somerset
Heebner, Geo. K., 1231 Vine
Hendricks, Jacob, 2861 N 6th
Hendrickson, John C., 1508 Thompson
Henry, Michael J., 2229 Berks
Herlock, Asa, 208 McKean
Hermann, Andrew, 1300 Newkirk
Hicks, S. & J., 5414 Vine
Hilley, Philip C., 305 N 2nd
Holden, H. C., 4830 Fkd. av
Hone, Francis, 321 Callowhill
Hopely, Philip F., 2341 N 9th
Hopkins, Samuel K., 1226 N 11th
Hopkin, Wm., Jr., 22 E. Rittenhouse
Hopkin, Warren, 8023 Roanoke, C Hill
Hopkins, Samuel K., 1226 N 11th
Hopkinson, Samuel, 1421 Frankford av
Horner, Abraham L., 121 N 6th
Horter, Augustus, 2515 Ridge av
Howell, Joseph E., 5501 N Fairhill
Hughes, Geo. W., 313 Walnut
Hurlock, Asa (Comp., Gravel & Slate), 1929 S 3d
Hurley, Isaac T., 3117 Spring Garden
Hurlock, John, 720 Wolf
Hushen, Michael, 1903 Pine
Husted, Dorsey G., 144 Brown
Ingram, W. H., 106 N 3d
Israel, Nathan, 1042 S 4th
Itzstein, Fredk J., 1217 N 4th
Jacobs, Solomon, 619 Wood
Jaspan, S., 226 S 2nd
Jessen, George, 14 E Passyunk av
Jester, Oliver (Est.), 5330 Gtn. av
Johns, H. W.-Manville Co. (Asbestos), 23 N 2d
Johnson, T. S., 622 Cherry
Johnston, Robert, 520 S. 23d
Joneck, Louis, 2054 N Warnock
Jones, Evan, 5114 Lancaster av
Jones, Howard, 752 S 51st
Jones, Joseph, 2118 Gtn av
Josopait, F. W., 534 Master
Kahn, Simon, 640 W Moyamensing av
Kamp, Martin C., 519 S 13th
Kaucher, Fredk. M., 2724 N 5th
Kane, Harry, 402 Poplar
Kanter, Samuel, 436 Poplar
Kaplan, Abraham, 727 Callowhill
Kazakow, Abraham, 1229 N 2nd
Keever, John S., 5815 Haverford
Keller, Emil M., 5550 Haverford
Kelley, Joseph V., 4055 Lancaster av
Kensley, R. E., 2531 Brown
Keohane, John J., 1637 N 13th
Kershaw, Thos., & Son, 4528 Lancaster av
Keystone Roofing Co., 2217 N 12th
Kimes, Jessie B., & Co. (Slate, Gravel & Comp.), 1822 Filbert
Kirkman, Frank, 4909 Aspen
Kirst Bros., 434 Spruce
Klein, Alexander, 2221 N 28th
Klein, Hyman, 474 N 6th
Knodel, Emil, 7 Girard av
Knowlan, James (Comp., Gravel & Slate), 45 N. 13th
Kolb, Michael, 3950 N 6th
Kolenski, John, 2388 Orthodox, Fkd.
Koons, Fred'k S. B., Huntingdon Pk nr 2nd St Pk
Kornbau, Herman, 717 Oxford
Koroboy, Samuel, 600 Jefferson
Krachman, Kalman, 938 S 3rd
Kramer, Jacob, & Son, 128 Cumberland
Kramer, Morris, 906 S 3rd
Krause, Simon, 906 N 3d
Kricher, Louis, 3113 Gtn. av
Kulzer, Michael, 3005 N Marshall
Kunkely, O. F., 2829 Columbia av
Kunkely, Wm., 1541 N 28th
Kunz & Henrichs, 907 Locust
Lambert, Chas. W., 2226 E Cumberland
Laning, Jos. M., 3000 Cumberland
Lantman, J. & G., 3430 Chestnut
Larrimore, Jas. T., 1800 N 12th
Lawler, John P., 1514 N 23rd
Leathers, Nathan M., 5134 Lancaster
Lees, M. Ranfield, 432 Krams av, Myk
Levering, Frank, 3203 Cresson Falls
Levin, Lewis, 421 S 7th
Lewis, Henry, 167 Walnut La, Wiss
Lewis, Hubert W., 2009 E York
Lewis & Raschke, 3049 N 5th
Lieberman, Morris, 2042 Gtn av
Lienemann, Fred'k B., 1521 Mifflin
Limerick, J Hunter, 1602 Kater
Lindgren, J. V. (Comp., Gravel & Slate), 1338 Jackson
Locke, Hiram W., 1916 York
Lorenz, Chas., 439 N 10th
Lowry & Lynch, 1508 Ridge av
Lupton's, David, Sons Co., Allegheny av. & Tulip
Luttrell, Thos. J., 3830 Market
Lynch, Jno. F., 133 E. Chelten av, Gtn.
McAllister, James, 16 S 53d
McAvoy, James, 1524 S Lambert
McBride, Peter J., 636 S Bambrey
McCarthy, Wm., 2914 Fletcher
McCartney, Terence J., 1731 Christian
McCartney, T. J., & Co., 1731 Christian
McCarty, J. F. (Gravel, etc.), 3035 Ridge av
McDonald & Smith, 1821 Church, Fkd.
McElhiney, Jas., 3616 Lancaster av
McFassel, E. M., 4801 Woodland av
McGrath, Edw. (Slate, Gravel & Comp.), 1534 Fkd. av
McGrath, John, 3165 N 5th
McGrath, Thos. J. (Slate, Gravel, etc.), 1930 N 2d
McGuigan, Chas. F., 19th cor Huntingdon
McKenna, John (Comp., Gravel & Slate), 1827 E Somerset
McMillan, Frank, 5482 Tacony, Fkd.
McMurtrie, John S., 818 Green
McSorley, Frank J. (Comp., Gravel & Slate), 118 N 6th
McWade & Sharp, 50 N 3rd
MacCrary, John, 1424 Catharine
MacLean, Geo. B., 3655 Woodland av
MacNellie, Geo. A., 1829 Passyunk av
Mahood, Wm., 1723 Wood
Manlove, Alfred P. C., 1900 S 7th
Manuin, Ed. N., 1536 E Hewson
Margerum, George W., 2745 Kensington
Markowitz, Zigmund, 606 S 7th av
Marples, T. E., 2500 Fkd. av.
Marshall, John H., 2101 E Clearfield
Mason, E. J. (Comp., Gravel & Slate), 263 S 12th
Mattheisz, J. H., 1625 S. 17th
Meade Roofing Co. (Slate, Metal & Tile), Woodland av & 46th
Mearns, Job B., 267 S 10th
Mercadanti, Biagio, 1154 Passyunk av
Messick, W. H., & Son, n w cor 6th & Reed
Michelson, Isaac, 1310 S 7th
Miller, David R., 1506 S 13th
Mills, A. W., Grays Ferry av, cor 47th
Mills, Thos. & Bro. (Inc.), 1301 N 8th
Mitchell, Samuel, 3159 Gtn. av
Mitkow, Abram, 802 S 2nd
Mogulewsky, Simon, 1115 Passyunk av
Monaghan, Peter J., 1140 Dauphin
Mooney, Edw., 2325 N 30th
Moore, Alexander, 523 Race
Moore, Andrew J., 523 Race
Moore, Jas. R., 3004 Rorer
Moore, Robt., 1711 McKean
Morris, Harry, State rd, c Longshore, Tac.
Morrison, Andrew G., 1619 Bainbridge
Morrison, J. W., 8014 Fkd. av
Mueller, G. Arthur, 1908 Gtn av
Muller, Frank, 3326 N 5th
Mulholland, J. & Bro. (Slag), Trenton av cor E Firth
Munro, H. F., 1740 Gtn. av
Munsloe, John, 2119 Vine
Murphy, Albert, 1933 Callowhill
Murray, M. S., 3521 Haverford
Murray, Wm. M., 3516 Haverford
Mushoff, Harry, 441 E Girard av
Musselman, Oscar L., 1752 Hunting Park
Myeroff, Nathan, 209 Pine av
Nace, Henry J., 308 N 3d
Nacey, John, 7105 Woodland av
Naegele, Jno. A. (Tin), 5622 German-town av
Nagel, Fredk., 1528 N 4th
Nagel, Fredk., 4019 2d st Pk
Nagel, Harry C., 1706 Venango
Neiman, Warren, 1808 Adams
Noll, Peter H., 2044 E Monmouth
Noone, Andrew J., 1635 Venango
Norris, Wm. N., 2070 E Clearfield
Obdyke, Benjamin P., 1219 Callowhill av
O'Hara, Patrick, 427 Watkins
Oberholtzer, G. P., 949 N 12th
Oldroyd, F., 2455 N 5th
O'Neill & Melling, 4223 Frankford av
Ott, John P., 1525 S 8th
Ottinger, Henry, & Co., 2125 Market
Paessler, Otto F., 2853 N 5th
Palmer, Harry K., 4029 Lancaster av
Parmer, Oscar E., 2407 N 18th
Pangborne, Jas. H., 2015 N 18th
Patterson, Jos., 2533 Hope
Patterson, Samuel, 2903 N Front
Patton, Thos., 1606 Lombard
Pearlman, Nathan, 802 S 4th
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d, c Hamilton
Petrific Paving & Roofing Co., 3345 Market
Pfeiffer, Henry, 305 Diamond
Philadelphia Tinning & Galvanizing Works, 1708 N Howard
Phy, John B., 535 N Holly
Porter, Samuel C., 1902 N 8th
Power, A. E., 309 N 53d
Preston, Harry J., 616 S. 21st
Preunthun, John F., & Co., 10 N Vogle
Pulvermacher, Benj., 546 N 2d
Quaker City Paving Co., 45 N 13th
Quigley, Ed. L., 6719 Crowson Gtn
Quigley, Francis B., 624 S 11th
Quigley, J. J., & Son, 1342 Ridge av
Quinn, A. M., 1420 N. 20th
Quinn, Joseph A., 5941 N Beechwood
Quinn, Thomas N., 5717 Knox, Gtn
Randolph, Samuel, 1749 S 4th
Rappaport, Abraham, 1014 S 4th
Rath, Jacob, 33 E. Chelten av, Gtn
Raynor, Wm. C., 1815 S 11th
Read, Wm. N. (Metal, Slate, Tile, etc.), 30 N 7th
Real Estate Improvement & Repair Co., 2100 N 29th
Real Estate Roofing Co., 23d & Arch
Reed & Gordan, 6560 Gtn av
Reeder, Geo. A., 1213 N 5th
Reichman, Geo. F., 3051 N Carlisle
Reid, P. J., 105 N 4th
Reuss, Ed. H., 4524 Baltimore av
Reth, Jacob, 1630 Gtn av
Rettberg, Ernest, 222 N 11th
Reynolds, Thos. J., 1352 E. Psyk. av
Rhoads & Maloney, 429 N 3d
Richards, Edw. W., 2146 E. Norris
Richman, Walter H., 1236 N 10th
Richter, John H., 2310 N 28th
Rickert, Wm. J., 2264 N 5th
Riemenschneider, Geo. L., 3001 N Leithgow
Rieder, Geo. A., 1213 N 5th
Ritter, H., 1446 N 10th
Robertson, Jas. G., 6375 Germantown av
Rorke, P. J. & Co., 140 N 56th
Rosenthal, Joseph, 482 N 4th
Ross, Lewis R., 2429 E Norris
Rossrucker, Herman, 1918 E Passyunk av
Roth, Chas., 2106 E Dauphin
Ruger Bros. (Slate, Gravel & Metal), 1603 N 6th
Sabin, F., & Co., 237 Bread
Saffian, Leon, 1016 Girard av
Saib, Wm., 148 Fairmount av
Saling, G. A. & Son, 501 N 62nd
Salinger, Chas., 1022 Ridge av
Salomon, Asher, 909 N 6th
Schleifer, Jacob E., & Co., 1323 Hanover
Schluch, Peter, 4309 N Orianna
Schmidt Bros., 1446 N 10th
Schmitt, Edward F., 521 Ludlow
Schnitzler, Chas. H., 215 N 2d
Schreiber, Wm. H., 410 S 12th
Schuehler Bros., 142 Edward
Schwakopf & Highland, 725 Spring Garden
Schwartz, Albert, 812 Poplar
Schwartz, Geo., 1326 Olive
Schwartz, Samuel, 815 S 3rd
Schwartz, Wm., 912 S 3rd
Schweiker, Wm. G. (Comp.), 2623 Jefferson
Schwickerath, Chas. F., 524 Girard av
Schwinn's, Geo. W., Sons, 1416 S
Scott, John W., 437 N 7th
Seltzer, Henry R., 1722 Poplar
Searle, Chas. P., 722 S 16th
Seideman, Nathan, 1341 S 4th
Seidman, Joseph, 1707 S 9th
Seybert, Henry G., 1007 Christian
Shaffer, Chas., 6129 Vine
Shannon, H. J. (Comp., Gravel & Slate), 1710 Federal
Shannon, Jas., 1704 Jackson
Shannon, Wm., 1710 Federal
Shapcott, Abraham, 700 N 23d
Shea, James M., 2955 Richmond
Sheridan, Jos. F. (Slate, Gravel, Metal & Comp.), 1916 Dickinson
Sherman, H., 1900 S 10th
Shroeder, Paul A., 910 Jefferson
Shubert, Geo. W., 3531 Market
Sicer, Chas. W., 2557 Welder
Siddall, John, 2239 Callowhill
Sidebotham, Harry, Dickinson cor Rugby
Silver & Morrison, 1226 S 3rd
Simpson & Murray (Slate, Felt, Gravel & Metal), 1719 Christian
Smith, Chas., 5547 Chester av
Smith, George, 206 E Indiana av
Smith, Horace, 5008 Ditman, Fkd.
Smith, Hyman, 2016 S 4th
Smith, Wm. H., 3241 Frankford av
Smith & Shuster, 1318 Girard av
Smollock, Joseph A., 2401 S Alder
Snodgrass, Richard P.
Snyder, Charles S., 3366 Amber
Souders, Willis, 239 Cumberland
Steele, Chas., 2119 Fitzwater
Still, Wm. W., 3053 Fkd. av
Street, Adam J., 24 S 52d
Stumm, Chas., 1539 S 2d
Stumm, Ed., 1233 Passyunk av
Sturinsky, Jacob, 419 Lombard
Summers, Edgar, 2318 Coral
Summit Roofing Co., 217 Quarry

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Suttou, Joseph, 1410 Green la Btown
Taylor, Frank W., & Son, 250 S 4th
Taylor, Jno. H., 726 S 8th
Thomason, Wm. J., & Sons, 108 Arch
Thompson, John C., 4832 Fkd. av
Thorn, J. S. Co. (Copper, Iron, etc.), 20th & Allegheny av
Tierney, John J., 2028 St. Albans
Tomes, Eugene O., 252 Diamond
Towsend, Wm. H., 1020 S 13th
Trevethan, James W., 3518 N 35th
Turner, Richard, 126 E Chelten av, Gtn
Tzilman, B., 915 S 3rd
Udowitz, Jacob, 707 S 8th
Uffleman, Charles C., 15 N 41st
Viehmann, Geo. L., 2122 South
Viguers, E. W., 3814 Lancaster av
Wagner, Paul, 177 Tioga
Wagner, Wm. T., 1415 Locust
Wainwright, John W., 4633 Fkd. av
Walker, Isaac, 670 N Park av
Wallen, A. J., & Son, 1400 S 20th
Warren-Ehret Co. (Comp. & Slag), Land Title bldg
Waselkoosky, Jacob, 433 N 4th
Weaver, Stephen B., 1722 Bellevue
Weekly, Thos. J., 2103 S 6th
Weer, Geo. P., 114 Indian Queen la Falls
Weintraub, David, 1103 N 3rd
Weiss, Fredk. J., 2305 N 7th
Weiss, J. U., 1118 Poplar
Welch, Howard J., 34 W Mt. Pleasant av,
Welch, John H., 1316 Ridge av Gtn
Welsh, P. J., 1117 S 20th
Werner, Wm., 2130 N 2d
West, Andrew H., 241 Race
West End Cornice Works, 16 N 50th
West Philadelphia Roofing & Heating Establishment, 46th & Lancaster av
Widmaier, Gustav, 507 Susquehanna av
Wiedersum, Wm. S., 2452 N 2nd
Wilhelm's, Theodore Sons, 128 N 10th
Wilkins, Harry W., 627 York
Williams, John, & Son, 2203 Frankford av
Williams, Ralph, 2450 Montgomery av
Williams, Robt. C., Jr., 102 N 7th
Williams, Wm. E., 28 S 18th
Wilson, Robert S., 1628 N 7th
Wilt, Joseph A., 2224 E York
Wise, Edw., 419 Fairmount av
Wohlfarth & Greenfield, 218 Arch
Wonn, Joseph & Co., 709 Markoe
Woods, Thos. J., 420 South
Wright, Martin A., 3409 Gtn av
Wyckly, Harry T., 4638 Westminster
Wynn, G. Walter, & Bro., 5190 Lanc. av
Yuslus, Frank L., 920 N 11th
Zoy, Morris, 1620 S 6th
Zolin, Samuel, 1210 S 4th
Zorin, Samuel, 1210 S 4th
ALTOONA—Bortel, Geo. E.
Bavel, Wm. H.
Bisser, Robert
CANONSBURG—Caswell & Moore (Slate, Metal & Corrugated Iron)
Carges, Wm. E. (Slate, Felt & Metal)
CHAMBERSBURG—Alexander, Wm. F., Wellesley av & Jancey
Cober, Hiram, 13 Brushton av
Cochenmyer, W. F. Co., 7200 Henry av
Colt, Herman & Co., 2062 Chartiers, N S
Cox, Mrs. M., 811 Chestnut, N S
Cress, R. F. & Co., 7732 Frankstown av
Crise, Wm., 5221 Butler
Cuper, Fred. & Son, 243 1st av
Dalar Heating Co., 1121 Murtland
Daley Hardware Co., 420 7th av
Dick, Herman, 5102 Coral
Dicker & Tylurst (Slate), 113 Manton
Dietz Bros., Curry bldg
Dilly, Chas. A., 1003 Forbes
Dinn, John W., 654 Lenora
Dorr & Schaffer, 30 Larimer
Douds, John & Co., 409 Robinson
Drip, W. H., 805 Lincoln av
Duff, Fleming & Co., 4th nr Chartiers av
Duford, Luther, 7733 Baxter
Duff & Schilken, 543 4th av
Duss & Co., 2056 Chartiers av, N S
Dyer Bros., 204 Dilworth
Eagle Roofing Co. (Gravel), 6376 Frankstown av
Early, J. M., 104 Flanel town av
Eaton, W. T. (Gravel), 10 Junilla
Eckert End Cornice & Roofing Co., 7732 Frankstown av
Egenent, Aug. A., 1208 Grandview av
Einn, J. W. (Gravel), 1637 Forbes
Elliott, John D. (Slate), Wabash bldg

MAN SNOW GUARD
Merrimac, Boston, Mass. (See adv. index, end of book)

Francis, John E., 7209 Hamilton av
Fortenbacher & Son, 538 Ohio, N S
Fuhrer, Anthony G., 4507 Liberty av
Gantner, Wm., 9 Decatur
Gehb, John, 127 Ridge av, N S
Gennsco Roofing Co., Bessemer bldg
Gierl, Alois C., 34 Spring Garden av, N S
Graff Bros., 5012 Penn av
Hahn Bros. (Slate, Tin, Tile & Gravel), 3 Magee
Hart, W. V., 5 Robinson, N A
Hartzell Bros., 1325 Sheffield, N S
Helt, G. P., 1915 Sedgwick, N S
Helt, Frank W., Perrysville & Ellis avs,
Henle, Albert S., 1336 Penn av N S
Henzel, C. H., 3217 Penn av
Herboldsheimer, John B., 136 Washington av
Hill Top Roofing Co., 138 Arlington av
Hite, Frank, 5987 Center av
Hoffman, Philip (Slate & Comp.), 3313 Hollerun, T. J., 3455 Ridge Ward
Iron City Roofing Co., 6943 Frankstown av
Johnson, A. H., 605 Grant
Johnson Bros., 4 Industry
Kim, Geo. F., 3522 5th av
Kincaid Bros., 211 Water
Kirk, Chas. H., 1018 Beaver av, N S
Kirsch, Jacob, 4725 S Atlantic av
Klein, Harry, 30 Federal
Klein, Joseph, 17 Townsend
Knodell, W. H., 510 Diamond, N S
Kohler, Paul, 21 Brady
Kunzler & May (Gravel), 55 S 10th
Lahr, Peter, 205 S Canal, N S
Lamneck, Daniel, 120 Maple
Le Goullon, P. (Slate, Tile, Gravel, Actinolite & Slag), Bessemer bldg
Lehne, Fred'k, Jr., 34 Southern av
Liebelt, Henry (Slate), 23 Bigham
Lincoln Heating & Roofing Co., 6440 Frankstown av
Limbach, Frank, 1620 Lowrie, N S
Link, J. & Son, 1918 East, N S
Logan, C. W., 335 Lincoln av
Longdon, H. & Sons (Slate), Center av & Sheridan
Losey Furnace Works, 2115 Farcelo
Luckhardt, Louis, 85 Sweetbriar
Lupton, W. B. & Co., Bessemer bldg
Lyons, James H., 130 Hazlewood av
McCaw, T. W. Roofing Co., 104 Erie, N S
McClelland & Ray, 912 Homewood av
McClure Co., 14 4th av
McCombs, Wm. P. (Gravel), 2101 Carson
McGarvey, John, 72 Taggart, N S
McGraw's, J. A. Bros., 220 Sandusky, N S
McIlvaine, Geo. D. Co., Keenan bldg
McSteen, Bartley J., 6043 Frankstown av
Marcu, S., 1523 Allegheny av, N S
Mellenkamp, Frank, 90 Washington av
Meyer, Geo. J., 3101 Niagara
Miller, S. J., 6630 Brainerd
Morgan Bros., 7123 Hamilton av
Morgan, O. C., 703 Hamilton av
Mucker, Carrie E., 416 Ohio, N S
Myers, F. D., 105 Robinson, W S
National Roofing Co., 209 9th
Niele Bros. (Tin & Slate), 4320 2d av
Nimfer, A. J., 42 Rhine, N S
Nobbs, G. C., 2623 Penn av
Owens, John E., 131 S 18th
Panner, L. & P. (Slate & Tin), 3201 Smallman
Panner Tin & Slate Roofing Co., 106 S Main
Papencordt, Walter, 3201 Smallman
Pentz, G. W., 3332 Madison
Peppel, Casper (Slate), 1900 Carson
Perritt Iron & Roofing Co., 116 Brushton
Pfeiffer, Hy. J., 80 S 15th
Phillips, Jno. (Slate), 41 Industry
Phillips & Banze, 5221 Butler
Pittsburg Cornice & Roofing Co., 1817 Mary
Pittsburg Heating & Roofing Co., 607 Herron av
Postler, P. F., 1011 Woodbourne av
Pritchard, L. I., 269 Frankstown av
Rasner & Dinger Co. (Tin), 100 2d av
Retter, Frank, 1530 East, N S
Rosenthal, Samuel, 1714 Beaver av, N S
SCAIFE, WM. B. & SONS CO., 221 1st av. (See adv. index, end of book)
Salenfeld, F., 1203 Hazel
Sands & Creagh, Allegheny av & P F W & C R R, N S
Schimpf, Henry & Son, 12 Rolla, N S
Schmidt, A. F., 85 McClure av, N S
Schmidt, Geo. P. Co., 1018 Ohio, N S
Schnanfer Roofing Co., 816 Concord, N S
Schroeffel, John & Son, 316 Spring Garden av, N S
Schwartz, F. W., 614 Wylie av
Schwartz, Nicholas, Jr., 611 Wylie av
Schwartz, H., 3035 Stayton, N S
Sieg, Fred., 7716 Frankstown av
Sill, J. E., 1405 W Liberty av
Silverberg & Saltz, 1802 Wylie av
Slomovich, Morris, 2620 Penn av
Smith, Frank E., 1018 5th av
Sweitzer, Harry W., 7632 Baxter
Thompson Bros., 1023 Lincoln av
Totten, W. R., 3600 5th av
Tranter, Samuel, Montooth nr Industry
Walker & Wilcox, 5104 Penn av
Warren-Ehret Co. (Slag, Asphalt & Actinolite Tile), Arrott bldg
Weaver, C. B., 2851 East, N S
Weber, S., 2166 Wylie av
West, John (Slate), 6442 Aurelia
Wetzel, A., 1223 5th av
Wetzel, John A., Ann & Magee
White, Chas. F., 1107 Carson
White, Scott A. Tile, Comp. & Slate), Lewis bldg
Whitney, John, 1716 Wylie av
Wieseckle, Peter J., 342 Maryland av, N S
Williams, J. A. & Co., 532 Chatham
Young, J. F. (Gravel, Iron, etc.), 34th & A V Ry
Zeligman, Simon, 1623 Wylie av
Zwieman, Maurice, 52 Crawford
PITTSTON—Ash, Jno. M. (estate of), 115 N Main
Byrne, Jno. W.
Oliver, H., 50 S Main
Smith, F. C. & Co.
PLYMOUTH—Dymand, E. P.
Jacob, Alex.
Klausnsky, Jacob
Morris, John M.
Parry, W. W. (Slate)
POTTSTOWN—Faber, George (Slate & Metal)
Geyer's, W. B. Sons (Comp.)
Hartenstine, Emery & Co.
Kepner, C. G.
March, Daniel
Mowery, P. G.
Reidenouer, Thos. S.
Unruh, L. F.
POTTSVILLE—Dimmerling, Frank
Herbrick & Co.
Hill, Howard
Hoefel, Frederick
Hoover Co.
Lamont, Winfield S., 315 N 2d
Morris, Jos. K., 209 W Arch
Schimpf, Geo. J.
Shugars, Hiram, 322 N 2d
PUNXSUTAWNEY—Robinson Hdw. Co.
QUAKERTOWN—Dengler, Jas. A.
Gross, Albert S.
READING—Bitting, W. H., 251 Penn
Boltz, I. M. (Slate), 631 Pear
Crosby, Wm. T., 420 S 10th
Dauth, Arnold, 46 Cedar
Dauth, Jno. P. & Son, 18 S 8th
Ganter, Jos. B., 201 Schuylkill av
Gantert, Howard, 450 N 11th
Geissler, H. C. & Sons, 731 Penn
Graul, Chas. F., 905 N 9th
Griesemer, C. K. (Slate), 37 N 6th
Homan, N. K., 114 S 6th
Keever, E. F. (Slate), 930 Franklin
Lance, J. A. (Slag)
Luigard, Jno., 420½ Court
Mengel, M. L.
Mercer, Albert W.
Miller, James L.
Miller, M. L., 230 Washington
Otto, J. (Es.), 643 Penn
Prutzman, Walter, 304 Penn
Rankin, R. A., 700 N 9th
Rapp, William S.
Renser, Lewis
Reist, Reuben H.
Renninger, W. Irvin, 620 N Front
Ruth, Daniel H.
Sausser, A. B. & Co., 328 N 6th
Sechler, C. M. (Slate), 1239 Moss
Sholl, John
Sohl, Daniel H.
Wagenhorst, Frank (Est. of)
Wilson, R. L. Roofing & Paving Co. (Slag)
Yeager, Wm. B. (Slate & Metal), 8th &
PINE GROVE—Long, J. L. Chestnut
PITCAIRN—Barnhart, W. N.
PLAINS—Wilson, John
PLEASANTVILLE—Corwin, B.
Mapes, H. C.
PORT ALLEGHANY—Gallup Hardware Co.
PORT CARBON—Brenner, Alfred E.
PORTERSVILLE—Heberling, H.
RED HILL—Retter, Edwin
RED LION—Boeckel, W. F.
Lichtenberger, Wm.
REEDSVILLE—Heaps, Davis I.
RENOVO—Cross, Dell

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RIDGWAY—Bowen, S. E.
Smith Bros. Co., Ltd.
RIMERSBURG—Kuster, P. M. (Slate)
Stewart, B. B. (Slate)
ROCHESTER—Fleming, M. D.
Hartzel, Jno. W. (Slate & Metal)
Rochester Hardware Co.
Schmidt, W. F. (Slate & Metal)
ROSEMONT—Seidel, W. W.
Shunk, C. Ernest
ROYERSFORD—Buckwalter, J. A.
Reed, Jacob & Son
ST. CLAIR—Wagner, G. B.
ST. MARYS—Burden-Rowan Co.
Sosenheimer, F. X.
SALTSBURG—Moore, J. C.
Shadle, C. C. & Son
Walter, J. H.
SANDY LAKE—Farrah, C. M.
SAYRE—Talmadge, H. R.
SCENERY HILL—Hedge, T. A.
SCHUYLKILL HAVEN—Sausser Bros.
SCHWENKVILLE—Saylor, Benj. S.
SCOTTDALE—Dick, John I. (Slate & Metal)
Miller, L. A. & Bro. (Slate & Metal)
Scottdale Plumbing & Roofing Co.
Urber, H. F.
SCRANTON—Cowles, William C., 1842 N Main av
Dolphin, Martin H.
Doyle, Jas. B. & Co.
Gunster Bros.
Howley Bros. (Felt & Metal), 338 Penn av
Kempster, Conrad
Kiesel, Fred
Klein, Benj.
Lennon & Co.
Leonard, T. F., 505 Lack. av
Lewis, Thomas E.
Maddock, Hopkin
Maloney, Jas. P. & Co.
Monies, Geo. B.
Murray, James J., 432 Lackawanna av
Myers Bros.
Prawdzik, Ignats P.
Quinn, Jas. E., 436 Larch.
Reyman, John
Riefenberg & Co.
Scranton Slate & Tile Co.
Warren-Ehret Co. (Composition & Slag), 321 N Wash'n av
Wolf & Wenzel
Yoos & Hess
SEWICKLEY—Bowers, W. C.
Drynan, A. & Sons
McDonald, Geo. R.
Shoop, S. T.
SHAMOKIN—Ballentine & Taby
Keiser Bros.
Smith, A. & Son
Thomas, C. B.
Unger, Warren
Weaver, Jos. J.
Yocum, Geo. C. & Co.
Zanker, A.
Zuern, Mrs. Kate
SHARON—Hannah, R. A. & Co.
Hoffman, J. C. & Bro. (Slate & Metal)
Hoffman, P. & Sons (Slate & Metal)
SHARPSBURG—Hough & Dyer
Meyer, W. H. (Slate, Metal & Asphalt)
Weisenstein, Mrs. E. D. (Slate& Metal)
SHARPSVILLE—Smith, Karl
SHENANDOAH—Bell, P. W.
Delaney, Patrick
Drumheller, William
Ellis, Daniel, Jr.
Hilderbrandt, Charles
Leach, M. J.
Morgan, Isaac
Pratt, W. R.
Waters, T. C.
Willman, G. F.
SHERIDANVILLE—Marlier & Stewart (Slate, Tin, etc.)
SHICKSHINNY—Campbell, H. E.
Woodworth, J. D. & Co.
SHIPPENSBURG—Hykes, William M. & Bro.
Rebuck, R. M.
SIEGFRIED—Beer, M. C.
Keck, M. F. S.
SLATINGTON—Dettmer & Handwerk
Fritzinger, Wm. A.
SOUDERTON—Alderfer, H. S., Jr.
Wolford, B. D.
SOUTH BETHLEHEM—Bittrick, L. F.
Lanfer, Milton
Meyers, A. V.
Quier, H. F.
SOUTH SHARON—Davidson, J. E. (Slate & Metal)
SPRING CITY — Mowrey, Latshaw Hardware Co.
STOCKERTOWN—Miller, Thos. A
STROUDSBURG—Flory, Frank P.
Hood, S.
Pierson, John F.
SUNBURY—East End Hdw. Co.
Reed, Edw. D.
Reitz, I. J. (Slate)
Wagenhorst, J. H.
Waltz, Henry J.
TAMAQUA—Hadesty, J. M. & Son
Hodgkins & Co.
Reeser, E. R.
TARENTUM—Alter, W. S.
Baker, David
Baker, J. C.
Goldinger, G. W. & Co. (Slate)
Goodwin, W. F.
TAYLOR—Jones Hardware Co.
Morgan, J. Milford
TELFORD—Hangey, Jonah T.
TIDIOUTE—Magill, B. S. & Son
TITUSVILLE—Anderson, A. P.
Besselman, J. H.
Hughes, D. D. & Son
Kernochan & Co.
Spitler, Henry
Zook, D. M.
TOWANDA—Dye & Bresee Hardware Co.
TROY—Beardsley & Colony
Dobbins, John E.
TUNKHANNOCK—Billings, Paul & Son
Shook, B. H.
Williams, A. P. & Co.
TURTLE CREEK—Kelly, A. M.
Reid, R. G.
Winters, W. L.
TYRONE—Fisher, J. W. (Graved & Comp.)
Mullen Bros.
Neil, E. R.
UNION CITY—Hatch Hardware Co.
Hayes Hdw. Co.
UNIONTOWN—Beighley, I. N. (Slate & Metal)
Collins, N. N., & Co. (Slate & Metal)
Kefover, G. B.
Miller & Co.
UPLAND—Morris & Grimison
WARREN—Mott-Phillips Hdw. Co.
Pickett Hardware Co.
Slater, T. O. & Co.
Spinner, Wm.
WASHINGTON—Brice Bros. (Slate & Metal)
Hays, G. W. & Co.
Phillips, Chas. W. (Metal & Slate)
WATSONTOWN—Knight, F. H.
Shannon & High
WAYNE—Dunne, Peter J. (Slate, Tile & Metal)
Higgins, John
Thomas, Harry R.
WAYNESBORO—Adams, Wm. G.
Frey, C. B.
Miller, Bert.
Russel, Geo. H.
WAYNESBURG—Fisher, Henry (Slate & Metal)
Fisher, Wm.
Helphenstine, Thos. P. (Slate & Metal)
WELLSBORO—Haussler, F. A.
Mitchell, W. S.
Roberts & Gardner
WEST CHESTER—James Bros.
Palmer, Geo. J.
Smith, R. H. (Slate)
Speer, J. H. (Slate)
WEST GROVE—Johnston, Hugh M.
WEST NEWTON—Holbert, W. B.
Montgomery, S. K.
Sanders, C. W.
WEST POINT—Fensbtermacher, J.
WHITE HAVEN—Keck Hardware Co.
Miller, Theo. & Son
WILKES-BARRE—Baab, Frank, S Main & Academy
Carpenter, B. G. & Co., 30 W Market
Conner, Harry
Edwards, Morris S., 137 S River
Jones, Owen D. (Comp. & Slate), 38 Balti-more
Kaiser, Wm. & Son, 153 S Main
Liem, J. W. & Co., 215 S Main
Montanye, J. H., 36 N Main
O'Rourke, Bernard F., 320 Hazle
Schuler Bros., 76 Hazle av
Spangelberger, Parry & Co., 642 S Main
Struthers, J. R.
Turner & Van Scoy, 52 S Main
White Hardware Co.
Williams, Robert P. (Slate, Gravel & Asphalt), 23 Hakes av
WILKINSBURG—Blackhall, Alex.
Blackhall, James
Britner, E. M. (Slate), South av & P R R
Cruzan, Elmer E., 421 Kelly av
Kearns, H. Clifford, 805 Penna av
Kurtz Bros. (Slate & Metal), 706 Rebecca av
Marsh, B. & Son, 744 Penna. av
May, Jno. D., 755 Rebecca
Seybold, A. E., 520 South av
WILLIAMSPORT—Bailey & Fries
Blaisdell, Frank W. (Slate), 641 Cherry
Bousch's, J. P. Sons, 148 Academy
Cockburn, Anthony
Fisher, Charles K.
McLees & Forsburg, 771 W Edwin
Murray, W. A., 1137 Vine
Rothrock, Joseph G., 207 Market
Schmidt, Henry S., 622 Campbell
Stopper, L. D., 428 Hepburn
Weaver, O. B.
Welteroth Co., 329 Washington
Williamsport Hdw. & Stove Co., 750 W
WRIGHTSVILLE—Birnstock Bros.
Wrightsville Hardware Co.
WYNCOTE—Tyson, Edwin
WYNDMOOR—Aiman, Arnold (Slate & Me
YORK—Aughenbaugh, George H. (Tin)
Baker, M. H.
Bare, P. J.
Behler, F. W.
Blum & Eyster
Bush, George E.
Conoway, Samuel T. (Metal)
Erion, Jacob H.
Getz, Jno. Sons
Hantz, C. Edward
Heckert, D. P.
Heckert, E. P.
Householder, H. S.
Kidd, Alex. (Tin)
Kottcamp, C. C. & Son (Slate)
Kraber, E. I. & Son, 214 W Market
Kuehn, Jacob L.
Leonard, Wm. H.
Lichtenberger, Charles
Moul, Geo. H. (Slate)
Rodgers, Abner A.
Schull, William J.
Selak, Harry J.
Smith, Edward A.
Smith, H. E., 203 W Market
Stillinger, Charles
Thatcher, Martin
Voss, John A.
Wantz, Milton A.
Weigel, Harvey E.
Wise, Chas. V.
York Corrugating Co.
Ziegler, John A. C. (Slate)
YOUNGSVILLE—Mead & Fisher
ZIEGLERSVILLE—Shaner, Irwin S.

RHODE ISLAND.

BRISTOL—McGann Bros.
Waldron-Brownell Co.
CENTERVILLE—Clark, S. M.
Wilbraham, O. A.
CENTRAL FALLS—Allerson, Jos.
Martin, A. P. & Co.
EAST GREENWICH—Sharpe, W. R. Hardw
EAST PROVIDENCE — Crane, Jno. & (Gravel, e
HOPE VALLEY—Rogers, Walter
NARRAGANSETT PIER—Bristow, Jas.
NATICK—Dailey Bros.
NEWPORT—Bliss, Herbert, 48 Touro
Covell, Wm. K. Jr., 163 Thames
Gillies, Jno. (Slate, Tile & Gravel),
Goddard, C. P.
Goddard & Barlow, r 200 Thames
Hart, J. H., 148 Spring
Marden, Jas. F., 328 Thames
Nason, U. G.
O'Brien, George
Shepley, Wm. & Son, 19 Spring
Walsh Bros., 222 Thames
PASCOAG—Smith, James H.
PAWTUCKET—Carpenter, E. P. & Co.
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Maguire, J. T. Co. (Slate, Gravel,
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Reetz, Robert C.
Thornley Bros. (Gravel), 265 Lonsdale av
Wilson, S. C. & Son, 29 High
PEACEDALE—Doane, Felix
Hodge E. S. (Slate & Metal)
PHENIX—Haywood, Charles
Snell, Byron A.
PROVIDENCE — Allenson Bros. (Metal
Appleton & Lee, 1880 Westminster
Ballou, F. M. & Co. (Felt & Gravel),
Bell, Hy. G. 9 Haymarket
Braley & McLaughlin, 171 Washington
Brollini & Schiavone, 452 Atwells av
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Carney H. & Co., 1088 Broad
Cartier, M. N., & Sons Co. (Slag & Gravel), 293 Canal
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Deacon, James, 71 S Main
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Strauss Co., 303 Eddy
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U. S. Concrete & Roofing Co. (Asphalt & Gravel), Banigan bldg
Wolf & Galkin Co., 24 College
WESTSIDE—Brownell, Purdon W.
WESTON FOUR CORNERS—Wilcox, Fred.
WHITEFIELD—Sheldon, John L.
WREN—Lent & Barry
Wyley, H. O.
YERRLY—Chester, A. L. & Co.
Zinman, A. R.
Zirpe, Job
Zoterly Concrete Co. (Tar, Gravel & Slate)
Zuard, C. W. Hardware Co. Asphalt)
ZOCKET—Arnold, C. O.
Zoch, Oliver P. & Son (Slate, Metal & Gravel)
Zville, F. J.
Zvey, B. F. & Co.

SOUTH CAROLINA.

VILLE—Abbeville Hdw. Co.
SON—Archer, T. E.
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s. R. J., 127 King
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R—Murr, W. H.
IA—Palmer, A. D.
GTON—Welling & Bonnaitt
CE—Boinest, C. L. Hardware Co.
Y—Carroll & Byars
TOWN—Ellis, D. L.
len & Co.
S—Boyd, S. S.
W. L.
s Hdw. Co.
LOWNDESVILLE—Horton, E. R.
NEWBERRY—Johnson, Wm.
White, J. W.
ROCK HILL—Bailey, J. F.
Westerlund, J. W. (Slate, Gravel & Metal)
SPARTANBURG—Ezell, S. B.
Milster, W. A.
Montgomery & Crawford
SUMTER—Brailsford, E. T.
Scaffe, T. C.
UNION—Murrah, T. A.

SOUTH DAKOTA.

ABERDEEN—Koch, Wm. H. & Son (Metal & Witte Hdw. Co. Comp.)
CANTON—Sioux Valley Hardware & Implement Treat Hardware Co. Co.
CHAMBERLAIN—Metcalf, T. A.
DEADWOOD—Wilson, Kinney & Co.
HOT SPRINGS—Gillespie & Co.
LEAD—Coolidge & Bros.
MADISON—Kundert & Fitzgerald
PIERRE—Calhoun, W. E.
Greenough, Louis
SIOUX FALLS—Hackman, E. W. Hdw. Co.
Larson Hdw. Co.
Rummel Bros.
Stallman, Jno.
YANKTON—Gross, D. D.
Strube & Rathgeber

TENNESSEE.

ATHENS—McGaughey, Jno.
BRISTOL—Bare & Skates Mfg. Co.
Brewer's, W. P. Sons
Mitchell-Powers Hardware Co.
Sweet, T. E. A. (Slate & Metal)
BROWNSVILLE—Forrest & Dupree
CHATTANOOGA—Bush & Co.
Chattanooga Roofing & Foundry Co.
Goodlake, C. W., 813 Broad
Green, W. T.
McMahon, Jas.
Mountain City Stove & Mfg. Co., 623 Market
Snow, T. A. Heating & Roofing Co. (Slate & Metal)
CLARKSVILLE—Elder-Conroy Hardware Co.
Kincannon & Bro. (Iron & Tin)
Mehigan, C.
CLEVELAND—Hawk, R. H.
Tipton, E. C.
CLINTON—Mitchell, W. B. & Bro.
COVINGTON—Harson, H. C. & Co.
DICKSON—Anderson Hardware Co.
DYERSBURG—Chamblin & Patton
Dyersburg Hardware Co.
FAYETTEVILLE—Blakemore, J. A.
Fayetteville Plumbing Co.
Robertson & Goodrich
GALLATIN—House & Brown
GREENFIELD—Brock, E. N. J.
Dudley, J. W.
HARRIMAN—Edington Bros.
Salyers, Thomas D.
JACKSON—Anderson, G. C. (Metal & Slate)
Reavis, R. A.
JOHNSON CITY—Grubbs, Frank & Co.
Summers-Parrott Hardware Co.
White, S. B.
KNOXVILLE—Chandler & Co. (Gravel)
Cruze, John (Slate), 419 S Gay
Hatcher, Sam
Hill, Lloyd & Co.
McClung, Buffat & Buckwell
Moriarity, D. F.
Mundy & Gredig
Williams, G. R. (All Kinds)
MEMPHIS—Barbieri, W. J., 138 S 4th
Bartholomew Roofing Co. (Asphalt, Gravel, Felt, etc.), 164 S 2nd
Burdick, A. W. & Co. (Slate & Metal), 103 S 2nd
Capps & Elsbury, 147 Monroe av
Cubbins, F. D. (Slate & Metal), 1 N of
Dush, Louis, 223 Poplar Wollentine av
Edwards, J. J. & Co., 85 N 3rd
Eichberg & Lang Mfg. Co., 167 Jefferson av
Fisher, J. F., 85 S 3rd
Fritz, E. H. (Slate, Metal & Composition), 214 N Front
Harrison, W. I., 532 Laclede av
Jones Bros. & Co., 122 Poplar
Linehan, D., Goodwin Inst. bldg
Nohsey & Schwab (Slate & Metal), 280 Mulberry
Pine, W. A., 492 E Georgia av
Richards, L. W., 250 S Main
Wehmann, John H., 574 N 2nd
Wessendorff, Chas. (Slate, Tin & Iron), 197 Washington
NASHVILLE—Adamant Stone & Roofing Co. 111 1st av, S
Broad Street Stove & Tinware Co., 315 Broadway
Cammerer, H. & Son (Slate & Metal), 227 2nd av, N
Cooper & Shelton, 57 Bridge av
Gray & Dudley Hardware Co., 222 3d av, N
Howell, Geo. W., 129 3rd av, S
Jones & Hopkins Mfg. Co., 207 3rd av, N
Kadel, L. J., 912 Church
McInturff, C. C., 131 2d av, S
Minton & Wilson, 514 B'way
Murphy, W. L. & Co., 119 2nd av, N
Murray, E. T. & Co. (Slate, Tile & Metal), 144 3rd av, N
Nashville Chemical Co., 919 N Front
Nashville Roofing & Paving Co., First Nat'l Bank bldg
Parmer, H. E., 410 Deadrick
Phillips & Buttorff Mfg. Co., 217 3rd av, N
Phillips & Co., 213 3rd av, N
Regan & Frensley, 29 Bridge
Smith, Herrin & Baird, 144 2nd av, N
SOMERVILLE—Leach, W. H.
SPARTA—Hull, W. W.
TRENTON—Smith, C. F. Co.

TEXAS.

ABILENE—Daniel & Shackelford
Hughes, Edw. S. & Co.
ALBANY—Taylor, J. C. & Co.
ALVARADO—Park, C. H.
AUSTIN—Arlitt, Max
Bintliff, Charles
Keylich, M. G.
Turner, H. L.
BASTROP—Starcke, R. & G.
BEAUMONT—Eastham, A. R.
BELTON—Hamilton & Kigley
Tulloch, R. E.
BIG SPRING—Kennon, W. S.
BONHAM—Nunn, N. N.
Wells, F. P.
BOWIE—McDaniel, R. W.
BRENHAM—Lange Mfg. Co.
BROWNWOOD—Weakley Hardware Co.
CLARKSVILLE—Bagby, G. W.
CLEBURNE—Cleburne Hardware Co.
Goodwin, T. J.
COLORADO—McMurry, Y. D.
Moeser, W. H.
CORPUS CHRISTI—Heath, C. L.
Simmons, T. S.
CORSICANA—Fewell, C. L.
Johnson & Wood Hdw. Co.
Lee, L. H.
Tatum, W. M. Hardware Co.
DALLAS—Buckelew, O. O. (Comp.), 387 Main
Dougherty, M. F. & Son
Burke, Wm. D. (Slate & Metal), 128 N Akard
Hinckley, David G. (Slate & Tin), 604 S Harwood
Jones, W. A.
King, T. F. (Gravel & Comp.), 241 S Houston
Payne, Frank T., 588 Elm
Schultz, J. H. O.
Smothers, J. W.
DENISON—Dollarhide & Harris
DENTON—Evers Hardware Co.
EL PASO—Bloom, H. F.
ENNIS—Blakey, J. & Co.
FORT WORTH—Atwell Cornice Co. (Tin, Iron & Slate)
Bryce, Wm. (Felt, Gravel, etc.)
Coughlin, Thos. A.
Gibbons, H. B.
Little & Woods
Nash Hardware Co.
Waynock, Chas. N.
Wills & Tyson (Gravel)
GAINESVILLE—Calkins, David
GALVESTON—Fedder, Albert & Co.
Fredericks, W. G. (Tin & Iron), 2313 Av A
Hartel, Fred. J.
Miller, W. H.
Opperman, H. C., 1811 Market
Werner, Geo. P. (Slate & Metal), 1628 Winnie
GILMER—Croley & Connell
Doughrate, Fred.
HILLSBORO—Smith & Tomlinson Co. (Metal & Gravel)
HOUSTON—Bennett, M. D., 1212 Hardy
Blumenthal Bros.
Browne, Charles J. (Slate & Tile), 209 Main
Eiseman & Beck
Hennion, A. G. (Gravel, etc.), 1617 Congress
Holtcamp, E. E
Mackrell, Jas. L.
Necco & Eisemann (Slate & Metal), 703 Franklin av
Puls, H., Jr. (Slate & Metal), 1401 Wash'n
Schlom, M. J., 508 Preston av
Shannon, G. S., 905 Commerce

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LA GRANGE—Hopper, G. B.
Streithoff, Aug.
LAREDO—Deutz, A. & Bro.
Siros, Alphonse
MARSHALL—Logan & Whaley (Slate & Gravel)
MOODY—Clay, A. R.
ORANGE—Cox & Myers
Sabine Supply Co.
PARIS—Bettes, H. S. Hardware Co.
Hancock, J. H.
PITTSBURG—Hanna, S. L.
SAN ANTONIO—Cooper, J. W.
Dean, J., Jr.
Fischinger, Max
Jewett Cornice & Roofing Co., 203 Soledad
SHERMAN—Locke, J. M. & Co.
Opel, George
Roberts, Sanford & Taylor Co.
Sherman Plbg. Co.
Walsh Hdw. Co.
SULPHUR SPRINGS—Miller, T. M.
Wiegers, Theo.
TERRELL—Muckleroy & Dew
TEXARKANA—Hoffman Hdw. Co.
Texarkana Hdw. Co.
TYLER—Daglish-Merc & Mfg. Co.
Dickey, J. C.
Roebuck & Son
VERNON—Hampton, Wm.
VICTORIA—Mackrell, W. H.
Praeger, Wm.
WACO—Goodall, Chas.
Lewis, W. S.
Strauss, Ed. (Gravel)
Torbett & Germond
WEATHERFORD—Lowe-Carter Hdw. Co.

UTAH.

EPHRAIM—Jensen, F. Y.
LOGAN—Everton & Sons
Farnes, M. A.
OGDEN—Crosby & Smith
Newman, W. E.
Simmons, J. C., 220 Wash'n av
PROVO—Blumenthal, H. G.
Fisher, Aug.
SALT LAKE CITY—Backman, S. C., 154 S 6th, W
Bywater & Groo
Johnson, J. A.
Kingdon Bros.
Mitchell, H., 71 S State
Neelands, Abraham, 69 W 1st, S
Salt Lake Cornice & Roofing Co.
Salt Lake Hdw. Co., 42 W 2d, S
Schoppe, F. E. & Co. (Slate & Metal)

VERMONT.

ALBANY—Darling, J. B.
ALBURG—Scriver, F.
BARNET—Wallace, Jno. S. T.
BARRE—Phelps Bros.
Prindle, Eugene A.
Reynolds & Son
BELLOWS FALLS—Rodine & Davis
Pierce, Ned (Slate)
BENNINGTON—Hurley, James E. (Slate)
Potter, C. H.
Willoughby, H.
Winslow & Remington
BRADFORD—Libbey Bros.
BRANDON—Phelps, Chas. E.
BRATTLEBORO—Bailey, M. A
Cox, A. V.
Fleming, Patrick
Galvin, Jno.
Hall, George H. (Slate)
Willard, Frank E. (Slate)
BRISTOL Farr, S. D.
Wills, J. R.
BRIDGEWATER CORNERS—Johnson, W. D.
BURLINGTON—Blodgett, G. S. Co., 191 College
Buckley, W. H. & Co., 198 Main

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CABOT—Drew, Jas. T.
CANAAN—Watts, Samuel E.
CUTTINGSVILLE—Eltapence, H.
DERBY—Hay, Jno. C.
EAST CALAIS—Sanders, Geo. E.
ENOSBURG FALLS—Burns, Jno. H.
ESSEX JUNCTION—Teachout, W. S.
FAIRFIELD—Perry, D.
FAIR HAVEN—Bryant, O.
Norton Hardware Co.
GREENSBORO BEND—Pope, J. H. Co.
HARDWICK—Hardwick Hardware Co.
HINESBURG—Reed, P. & Co.
JACKSONVILLE—Reed, E. P.
JOHNSON—Riddle Bros.
LONDONDERRY—Holt, P. R.
MANCHESTER—Lawrence, Geo. A.
MANCHESTER DEPOT—Davis, A. J.
MIDDLEBURY—Calhoun, A. & Son
Stewart, J. H.
MONTPELIER—Barrows & Peck
Blanchard, F.
Peck Bros.
NEWPORT—True & Blanchard Co. (Slate, Metal, Gravel, etc.)
NORTH FIELD—Tillotson, Geo. W.
PITTSFORD—Connally, Michael
POULTNEY—Horton, M. J. & Son
RANDOLPH—Lamson, J. H. & Sons (Iron & Tin)
RUTLAND—Connelly & Loveland
Dunn Bros.
Landon, W. C. & Co.
Pratt, G. W. & Co.
ST. ALBANS—Green, S. C.
ST. JOHNSBURY—Farnham & Albee
Goss, C. H. & Co.
SPRINGFIELD—La Fontaine, Staples & Co.
SWANTON—Martin, H. F. & Son (Slate & Asbestos)
VERGENNES—Harrington, J. A. & Co.
Hudson, Robert
WATERBURY—Ayers, O. L.
Smith & Somerville
WEST RUTLAND—Pratt, G. W. & Co.
WHITE RIVER JUNCTION—Bagley, E. H.
Billings, Frank P.
Martin, A. C.
Nott, Hiram L.
WILLIAMSTOWN—Robinson, N. B.
WINDSOR—Reed, Samuel A.
Stone, Payson & Blake
WINOOSKI—Elgwood, S.
Shipman & Allen
WOODSTOCK—Pinney, B. H. & Co.
Wardwell, E. F.

VIRGINIA.

ALEXANDRIA—Baader, Hy. & Sons
Beach, Leroy, 210 King
Carlin, J. F. Sons & Co.
Hanrahan, Michael A., 626 King
Mansfield, J. H., 515 King
Newton, C. M., 105 N Henry
Norris, Geo. A.
Waddy, Thomas
BERKLEY—Hampton, J. M.
Meginley, W. C.
BERRYVILLE—Bowman, Isaac
Marks, J. W.
BLACKSBURG—Effinger, J. P. & Co. (Slate)
BLACKSTONE—Stokes, Williams & Co.
BRIDGEWATER—Smith & Hisey
Wine Bros.
BUENA VISTA—De Priest, Robert A.
CATLETT—Marks, B. F.
CHARLOTTESVILLE—Baxter, S. S. & Co.
Martin, W. T.
CHATHAM—White, W. E. & Bro.
CHRISTIANSBURG—Smith, H. P.
CLIFTON FORGE—Coutts, Gordon
Smith & McKinney Hardware Co.
COVINGTON—Argenbright, J. F.
McMunn, J. B.
CULPEPPER—Thomas, W. A. Son & Co.
DANVILLE—Flynn, J. A. & Co.
Piedmont Hardware Co. (Slate)
Tyler, J. E. & Co.
Virginia Hardware Co.
FARMVILLE—Noel Bros.
FRANKLIN—Pace, W. T.
FREDERICKSBURG—Cain, E. J. & Co.
Scott, J. F.
FRONT ROYAL—Forsythe, J. F. & Co.
Gilkey & Son
Striker, W. H.
HAMILTON—Myers, Nathan
HAMPTON—Copeland, Joseph F.
Connell, J. C.
Williamson, C. M.
HARRISONBURG—Saum, John R.
Saum, M. L.
JONESVILLE—Crowell, W. S. & Sons
Lee, O. C.
LEESBURG—Thomas, W. H.
Thompson, E. E.
LEXINGTON—Anderson, R. S.
Keffer, Giles
Rhodes, F. P.
LOUISA—Young, W. H.
LURAY—Campbell, J. W.
LYNCHBURG—Doherty & Casey
Dornin, T. D. Adams Co.
Noel, M. B. & Son
Price Bros.
MADISON—Teasley, Geo. E.
MANASSAS—Davis, A. P.
MANCHESTER—Burkert, Charles
Jones, Edgar A.
Meighan, Chas. M.
MARTINSVILLE—Cheshire, J. W. & Son
MONTEREY—Arbogast, C. C.
NEW MARKET—Crim, G. W.
Roberts, J. W.
Tidler, E. E.
Wickes, H. G.
NEWPORT NEWS—Brittingham, O. J.
Lippman, I. (Inc.)
Newport Plumbing, Heating & Tinning
Roth, Frank
Ryan, E. L. & Co.
Walker & Co.
NORFOLK—Addenbrook's, J. U. Sons (Slate, Felt, Cement), Monticello av & 9th
Banks, Geo. T. (Slate, Tile, etc.), 219 Main
Barnard, W. H. & Co., 235 Main
Bohn Roofing & Cornice Co. (Asphalt, Pitch, Slate, Metal, etc.), 11 Plume
Cachelin & Cherry, 245 Church
Foster & Sons Co. (Inc.)
Harwell-Walker Co., 94 Brewer
Howard, John T.
Kiernan, Jas. V., 137 Bank
Mahone, Charles D. (Slate), 333 Church
Muller, W. B.
Shepherd, W. J. & Co. (Metal), 805 Church
Smith, Frank P. & Co. (Slate), 211 Main
Thomas, T. W. & Co. (Slate, Metal, Tile, etc.), 21 Main
Watson, Geo. E., 82 Wolfe
PETERSBURG—Bangley, N. J.
Johnson, J. R.
Marks & Marks
PORTSMOUTH—Adams, Edgar S.
Jones, W. E.
Oertley, John R.
Taylor, W. F.
Thomas, T. W., & Co. (Metal & Tile)
Whitehurst & Riley
PULASKI—Moore, H. S.
Pulaski Tinning Co.
RADFORD—Kirby, J. M.
RICHMOND—Armitage Mfg. Co. (Gravel, Slag & Comp.), 3200 Williamsburg av
Atkinson, Wilton T., 1003 E Marshall
Berger, B. A., 16 N 20th
Burton, Reuben, 819 E Carey
Chappell, James H. & Bro., 110 N 9th
Dorset, L. W., & Co., 615 E Main
Eanes, Wm. H.
Fensom, Edward B., 116 S Linden
Haley, Werth W. (Slate & Tile), 20 E 3d
Hilton, Sidney H., 113 W Duval
Holzhauer, Henry, Jr., 510 E Broad
Kritzer, Creery & Co., 511 N 22d
Lynn, Henry C., 407 Brook av
Myer, William R., 1219 W Marshall
Messerschmidt, Henry, 214 W Broad
Pemberton & Benson, 220 E Broad
Roach, Russell, 804 Randolph
Rose, J. H., & Co., 1427 E Main
Rose, John E., & Co., 800 E Broad
Southern Plumbing & Elec. Co.
Virginia Plbg. & Heating Co., 24 N 9th
William Slate Roofing Co. (Slate, Tin, etc.), 12 N 9th
ROANOKE—Atkinson, O. E.
Engleby & Bro. Co. (Slate & Metal), Salem av, S W
Possin, Theo., & Co., 110 2d, S W
Roanoke Sheet Metal Co.
SALEM—Dame, F. C., & Co.
SOUTH BOSTON—Nesbit & Barnett
STAUNTON—Flavin & Watson
Garber, Augustus M.
Gregory, C. E., Jr.
Grubert, W. A.
Mohler, H. C.
Pemberton & Marston
Roby, I. K.
Tanner, Chas. & Co.
SUFFOLK—Curry, C. D.
Farley, W. J. (Slate)
Folk, E. L. & Co.
Norfleet & Bro.
TAZEWELL—Miller, L. E.
UPPERVILLE—Bradfield, J. R.
VINTON—McLean, Daniel
WARRENTON—Houchens, T. M.
Martyne, R. F.
Wood, D. P. & Co.
WAYNESBORO—Brady, S. L.
Fry, A. C.
O'Connor, D. L.
Parrish, W. A.
WEST POINT—Davis, W. C.

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WINCHESTER—Solenberger, J. S. & Co.
WOODSTOCK—Bauserman, H. W.
WYTHEVILLE—Pattison, B.
Pattison & Umbarger
Peck, Jno. A.

WASHINGTON.

ABERDEEN—Cook, H. L. & Co.
BALLARD—Curtis, Wm. M.
BELLINGHAM—Morse Hardware Co.
Munro & Haskell
Northwest Hardware Co.
Stoddard, C. W.
CENTRALIA—Bower, B. F. & Son
McNitt, Frank T.
COLFAX—Barroll & Mahoney
Kuhn Hardware Co.
DAVENPORT—Thomas, L. H.
DAYTON—Gilmour, T. B.
EVERETT—Agnew Hdw. Co.
Pacific Hardware Co.
Westover Hdw. Co.
HOQUIAM—Fesenfeld, W.
NORTH YAKIMA—Keck, E. O.
Yakima Hdw. Co.
OLYMPIA—Jones, M. W.
Olympia Hdw. Co.
PORT TOWNSEND—Delgardo, Jas., Jr.
SEATTLE—Alexander Cornice Works, 404 Atz, Edward, 2225 1st av Columbia
Barger, M. A., & Co., 1017 Post
Blumstein, Harris, 1321 E. Madison
Cummings, W. K., 2027 1st av
Danbersmith, E. C., 805 E 72d
Edgar & Campbell, 89 Pike
Ernst Bros. (Inc.), 514 Pike
Feringer, Henry, 2117 6th av
Finlay & Robb, 88 Lenora
Merz Sheet Metal Works, 112 2d av, S
National Mastic Roofing Co., 111 Pine
Noon, T. A., 1807 7th av
Pioneer Sheet Metal Works, 1924 Western av
Popple & Knowles, 1028 Post
Puget Sound Sheet Metal Works, R. R. av & Wall
Robinson & Shafer, 1314 Western av
Rustard Hardware & Plbg. Co., 108 2d
Schofield, J. W., 421 Cedar av, S
Seattle Cornice Works (Slate, Metal & Gravel), 1730 1st av, S
Sound Roofing & Cornice Works, 2015 1st av
Western Sheet Metal Works, 1751 S 1st av
SPOKANE—Brandt Bros.
Brown Bros. (Slate, Metal & Comp.)
Brown, Wm.
Henderson, L. A.
Holley, Mason Hardware Co.
Jensen-King-Byrd Co.
Keeler, W. P.
Schrimpf, Chas. Y.
Woodward & Stein
Young, E. H.
TACOMA—Cizek, A. F. Sheet Metal Works (Metal, Asphalt, Gravel, etc.), 741
Fuller, W. P. & Co., 1117 A South C
Geisenheyner, J. F., 1702 Pacific av
Hunt, J. & B. Co., 1023 A
Miller, Edw. Cornice & Roofing Co. (Metal & Gravel), 1707 South D
Pabst, O. R., 2807 6th av
VANCOUVER—Sparks, M. R.
WALLA WALLA—Drumheller Co.
WATERVILLE—Carpenter & Maltbie
WHATCOM—Browne, L. O.
Hinsdale Hardware Co.
Stoddard, C. W.

WEST VIRGINIA.

BERKLEY SPRINGS—Ambrose, C. P. & Bro.
BLUEFIELD—Heffner, O. V.
Whitlow, M. G. Hardware Co.
CHARLESTON—Brawley, D. A. (Slate & Metal)
Shawyer, W. F. Co. (Slate & Metal)
Wolf, J. C.
CHARLESTOWN—Easterday & Co. (Slate & Metal)
Sutter Roofing & Cornice Co.
Trimble, W. E.
FAIRMONT—Hough, C. D.
Morgan, Z. W.
Morris, J. S. & Son
Staley, Joshua F.
Stokes, S. & Co.
GRAFTON—Caveney, Jno. F.
Lnethke, J. W. (Slate & Tin)
Preiss, J. G. & Sons
Smith, W. C.
HUNTINGTON—Hagan & Co.
Johnson, C. A.
MARTINSBURG—Blondell, J. H.
Moore & Gardner
Westenhaver, S. A.
MORGANTOWN—Huston, C. R.
Reed Bros.
NEW CUMBERLAND—Young, H. B.
PARKERSBURG—Bosburg Bros.
Dickel, Jno. & Sons (Slate & Metal)
Martin, A. A. & Son
Neal, R. L. & Co.
Scott Roofing & Mfg. Co.
Sharp & Kerns (Slate & Metal)
PHILLIPPI—Woodford, F. D.
RONCEVERTE—Eagle, J. W. P.
SALEM—Nutter, H. D.
SHEPERDSTOWN—Marten, H. C.
SISTERSVILLE—Phillips, G. W.
WELLSBURG—Charnock, J. M. (Metal & Slate)
Warden, S. M. (Slate & Metal)
WESTON—Simpson & Sons
WHEELING—Adkins Roofing Co. (Slate, etc.)
Arkle, Jos. M., 3317 Jacob
Bayha, D. H., 1017 South
Caldabaugh, G. W. & Bro.
Caldwell, B. F. & Co. (Slate & Metal), 1508 Market
Hall & Burkhart
Jones, Jno. H., 29 12th
Nesbitt, Wm., 2232 Market
Nesbitt & Bro., 1312 Market
Ohio Valley Roofing Co. (Slate, etc.)
Price, Charles
Pfingst, Henry
Schnerlein Roofing & Supply Co. (Slate & Metal), 20 Zane
Vogler, Jos., Jr. (Slate & Metal), 2128 Main

WISCONSIN.

ADDISON—Weiss, S.
ADELL—Seifert, Anton
ALGOMA—Meyer Bros.
APPLETON—Galpin's, Alfred Sons
Hauert, Jacob J.
Kloepfel, Wm. E.
Konrad, Wm.
Schiedermayer, Geo.
Schlegel, H. J.
Schlafer Hdw. Co.
Tesch, Wm.
ARGYLE—Hendrickson, H. J.
ASHLAND—French, R. W. & Son
Garnich, Emil & Sons
BARABOO—Gaskell, F. N.
BELOIT—Newton & Zimmerman
Watson & Bittel
BERLIN—Peck, C. A. Hdw. Co.
Wood, Bert T.
BLACK EARTH—Fesenfelt & Barber
BOSCOBEL—Beimborn & Nauert Hardware Co.
BURLINGTON—Wagner, C. B.
CASCADE—Ruppenthal, A.
CEDARSBURG—Groth, Henry G.
Lehmann, C. W. & Bro.
CHIPPEWA FALLS—Hoenig Bros.
Koep, Otto
CLEVELAND—Belitz Bros.
CUBA—Kellner, C. & Son
DALE—Rock, C. A.
DELAVAN—McCoy, W. L.
DE PERE—Pratsch, G. G.
EAU CLAIRE—Crosby, E. A.
Fraley, George
Schlegelmilch, H. F. Hardware Co.
EDGAR—Punchner, A. W.
ELLSWORTH—Erickson, E. J.
EVANSVILLE—Baker, F. A. & Co.
Evansville Mercantile Ass'n
FOND DU LAC—Bennett, W. B.
Brenner, Jacob
Cheney, S. H.
Diedricks, F. W.
Haensgen, J. H.
Murphy, George E.
GRAFTON—Schmidt, F.
GREEN BAY—Brown & Tickler
Cooke, W. D.
Danz, Hellmer
Findelsen Bros.
Follette, George B.
Fontaine, B. Hardware Co.
Francois, Jos. P.
Green Bay Cornice & Corrugating Co.
Hambitzer, Joseph
Harris, Theo. E. (Slate & Metal)
Kimball, Chas. P., Jr.
Lamerond, J. L.
Van Vechel Bros.
HALES CORNERS—Mead, Jno.
HARTFORD—Esser & Schmidt
Kissel, L. & Sons
HAZEL GREEN—Edwards, James & Sons
Grieves, Robert D.
HURLEY—McConnell Hardware Co.
Voight & Christensen
JANESVILLE—Lowell Hdw. Co.
McNamara, H. L. (Slate & Metal)
Pelton, E. H.
KAUKAUNA—Buttler, Dietzler Hardware Co.
Feller, Peter (Tin & Metal)
Hass & Hohmann (Tin & Metal)
KENOSHA—Dewey, O. A.
Fay, Geo. W.
Jansen, T. E.
Skidd, Chas.
KIEL—Simon Hardware & Mfg. Co.
LA CROSSE—Badger Steel Roofing & Corrugating Co. (Slate, Tile & Metal)
Dittman, Fred. Hardware Co.
Gateway City Steel Tank & Roofing Co. (Slate, Tile & Metal)
La Crosse Cornice & Ceiling Co.
La Crosse Steel Roofing & Corrugating Co. (Slate, Tile & Metal)
Leinfelder & Hughes
Tausche, V. Hardware Co.
Thomas, H. C.
LAKE GENEVA—Cobb Hardware Co.
Moore, F. S.
LANCASTER—Ziegler Bros.
LENA—Libal Bros.
MADISON—Bilied, J. H.
Bilied & Schneider
Burger, Peter
Drews, William
Gill & Watermann (Comp.)
Krehl & Son
Kroncke, A. G. Hardware Co.
Miller, Waldron & Studemann (Slate & Metal)
Morhoff, E. W.
Morhoff & Bauer
Sumner & Morris
Trachte Bros.
Wolf, Kubly & Hirsig (Slate & Metal)
MANAWA—Shipman, H. E.
MANITOWOC—Kerscher Bros.
Kerscher Bros. Co.
Rathsack, Wm. & Sons
Wallschlaeger's, Jno. Sons
Wernecke & Schmitz
Worel & Zeman
MARINETTE—Muth & Wall
Simcox, H. B. & Co.
Watson Bros. (Asbestos & Metal)
Westlund, August
MENOMONEE FALLS—Thomas, Fred.
MENOMONIE—Brennan, D. C.
Lucas, Carroll
Young, Jno. A.
MERRILL—Fehland, H. R. & Co.
Mittelstedt, Wm.
Montgomery, F. M.
Wenzel, Gustave
MIDDLETON—Manning, W. J. C.
MILWAUKEE — Badger Roofing Co. (Gravel, etc.), 217 4th
Bauer, Tony A., 2002 Chestnut
Bauschek & Biegler, 503 12th
Beernink, S., 343 33d av
Biersach & Niedermeyer (Slate, Tile & Metal), 216 5th
Bishop, John, 1329 Cherry
Boehm, J. Stove Repair Co., 290 W Water
Borgenberger & Goessel, 68 Mason
Braun, Millen & Co., 534 Clinton
Bretzel, Herman J., 1904 Fond du Lac av
Bruss Bros., 648 12th
Buttles, Fred. S., 7 Clybourn
Caspari, Chas., 364 E North av
Consolidated Sheet Metal Works (Slate & Metal), 661 Hubbard
Coorsen, Louis, Jr. (Comp.), 316 16th
Cox, Jos. L. (Slate, Tile & Metal), 138 6th
Cream City Roofing & Paint Mfg. Co., 219 Dohl & Busse, 405 Grove Cedar
Felx & Goethel, 818 Winnebago

GILMAN SNOW GUARD
103 Merrimac, Boston, Mass. (See adv. index, end of book)

Graunke, August, 431 28th
Green, David D., 215 6th
Groeschel, Oscar, 489 27th
Hammann, Wm., 752 4th
Harbach, Christian (Asphalt), 709 Walnut
Harwood, F. M., 90 Russell av
Haselow, Fred, 660 3d
Haubner, Michael, 544 21st
Heinig, Herman C., 871 Inland pl
Held & Dern, 1524 Fond du Lac av
Henrich, Theo. A., 584 Walker
Hesse, E., & Co., 456 B'way
Hilger, Edward, 939 5th
Hoffmann & Baur, 279 Lake
Hoffmann, C., & Co., 861 Cambridge av
Hofmeister, Leo Co., 396 Clinton
Hollitz, Frank J., 1888 Green Bay av

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Hollitz & Bogenberger, 445 Jefferson
Jeske, Reinhard & Bro., 718 Walnut
Kauper, John W., 488 12th
Kilberth, Jos. A., 1522 Walnut
Klubertanz, August, 2325 Fond du Lac av
Krsek, Anton (Slate & Metal), 1209 Chestnut
Krsek, Joseph, 1522 Vliet
Lauterbach Bros., 324 Ogden av
Lavies, P. J., & Co., 482 National av
Lenck, Chas. H., & Bro., 299 Ellen
Lindermeier, Hans, 749 Jefferson
Loroh, Wm. P., 1109 Cherry
Mertens, L., 1183 6th
Merz, Joseph, 1018 Cherry
Millen, Frank & Sons, 247 Orchard
Moeller, Herman, 57 Juneau av
Monsted, A. Co. (Comp.), Pabst bldg
Mueller, Charles, 726 Germania
Patterson, Wm., 786 Booth
Pietsch, Ferd., 619 Cedar
Podolske, August (Slate & Metal), 13 Center
Roeder, Chas., 1520 7th
Romberger, Jos., 2115 Cherry
Schaetzke, Herman, 785 7th
Schmidt, Jno., 2443 Center
Schmitt, F., & Sons Co. (Slate, Tile & Metal), 301 4th
Schupinsky, Aug., 497 B'way
South Side Roofing Co. (Comp. & Gravel), 285 Reed
Stachowiak, Charles, 949 8th av
Stein, David & Co., 702 Market
Tonnsen, E. B., 51 3d
Toombs, Jas., 271 27th
Wiesend, John M., 828 Winnebago
Winding & Gezelschap (Gravel, Asphalt, etc.), Pabst bldg
Winter, Charles, 2453 Walnut
Zweck, Harry, 516 Mineral

MONROE—Kundert .Hardware Co.
Lanze, Fred

MONTICELLO—Breylinger, F. J.

NASHOTAH—Wagner, Chas. M.

NEW GLARUS—Hoesley Bros.

NORTH PRAIRIE—Hess, Frank E.

OCONOMOWOC—Lorleberg, H. Co. (Inc.)
Smith & Meadows

OCONTO—Barlament, H. M.
Delaporte, C. J. L.
LeMieux, E. A.

OREGON—Marvin Hardware Co.

OSHKOSH—Cornelius, Frank
Dimpsey, L. & Co., 277 Main
Hasbrouck, F. M., 269 Main
Heine & Welshoff
Krippene Hdw. Co., 10 6Main
Leach, Frank Hdw. Co., 30 S Main
Marden, P. L. & Bro. (Comp. & Gravel), 85 Bond
Tank & Tieman
Wille, F. Co., 29 Main

PESHTIGO—McGraw, F. E.

PORTAGE—Dimpsey, Nelson

PRAIRIE DU CHIEN—Beach Bros.

RACINE—Anderson & Fritz
Gerbig, W. E.
Mohr-Jones Hdw. Co.
Murphy, James, 614 State
Prostrenik & Kroupa
Sprado, W. A.

REEDSBURG—Ellenberg & Ost
Siefert, Aug. Hardware Co.

RHINELANDER—Dunn & Wood Hdw. Co.
Lewis Hdw. Co.

RIPON—†Barlow & Seelig

RIVER FALLS—Dodge, Geo. J.

ROCKDALE—Norgord, J. E.

ST. CLOUD—Dreifurst Bros.

SCHLEISENGERVILLE—Keidel, J. G.

SCOTT—Leifer, G. A.

SEYMOUR—Droeger Hardware Co.

SHEBOYGAN—Geele, F. Hardware Co.
Koepsell, J. J. Hardware Co.
Ramaker, J. J. & H. G.

SOUTH MILWAUKEE—Kuhn, A. W.

SPARTA—Baldwin Mercantile Co.
Reisinger, M. (Metal)

STEVENS POINT—Gross & Jacobs
Krembs, C. & Bro.

STOUGHTON—Havey, W. O.
Wiegel & Phillips

STURGEON BAY—Hay, J. S. Hardware Co.
Schofield Co.

SUPERIOR—Arnold & Schimmel (Metal, Iron & Gravel), 414 Banks av
Bingham Hdw. Co. (Slate, Metal & Comp.) 522 Ogden
Carlson Bros. (Slate, Metal & Comp.), 1215
Fogelquist, Frank Tower av
Holmes, A. E. & Bro. Co. (Slate, Metal, etc.), 1902 Winter
Olscamps & Kunert
Roberts, G. W. (Slate, Metal & Comp.), 514 Ogden av

TISCH MILLS—Harkey, Joseph

WALDO—Timmer, H. W.

WASHBURN—Bergman, E.
Ungrodt, B. (Asbestos, Metal & Gravel)

WATERTOWN—Geschke, Richard
Kusel, D. & F. Co.
Pritzlaff, W. G. & Co.
Winkenwerder, Henry
Wittchow, Charles

WAUKESHA—Daily, Harry (Slate & Metal)
Klock, J. J.
Le Clear, N. H.
Perkins Hardware Co.
Tolg, C. F. (Slate & Metal)

WAUNAKEE—Fleiner, Gustave

WAUPUN—Buelow, Geo. W.
Howard, Wilfred C.

WAUSAU—Adams & Lubeck
Brandt, Emil
Collins, W. F.
Fehl, Jno.
Kuckuck, Wm.
Montgomery Hdw. Co. (Metal & Gravel)

WEST BEND—Ott & Boden
Warnkey & Schneiss

WHITEWATER—Cutter, E. A.

WRIGHTSTOWN—Rather & Schaenble

WYOMING.

BUFFALO—Astell, Geo. T.

CHEYENNE—Hopper & Bartley

EVANSTON—Fife Bros.

Roofing (Actinolite)

Machwirth Bros. Co., 201 Oak, Buffalo, N. Y.

Roofing (Anchor Brand)

Warren Chemical & Mfg. Co., 17 Battery pl, New York

Roofing (Asbestos)

Bartholomew Roofing Co., Memphis, Tenn.
Carey, Philip Mfg. Co., Lockland, O.
Chicago Asbestos Mfg. Co., 78 W. 22d pl, Chicago, Ill
Chicago Fireproof Covering Co., 18 N Canal, Chicago, Ill
Consolidated Roofing Works, Columbus, O.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York
Johns, H. W.-Manville Co. (Prepared), 100 William, New York
Keasbey & Mattison Co., Main Office & Works, Ambler, Pa.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
New Jersey Asbestos Co., Camden, N. J.
Stowell Mfg. Co., Jersey City, N. J.
Trinidad Asphalt Mfg. Co., 320 S 20th, St. Louis, Mo
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Roofing (Asbestos-Metallic)

Keasbey & Mattison Co., Main Office & Works, Ambler, Pa., & 100 John, New York

Roofing (Asbestos Protected Metal)

Asbestos Protected Metal Co., Canton, Mass.

Roofing (Asphalt Felt, Mica-Plated)

Union Roofing & Mfg. Co., St. Paul, Minn.

Roofing (Asphalt Gravel)

Acme Asphalt Roofing Mfg. Co. ("Eagle" Brand Ready), 65 Mallory av, Jersey City, N. J.
Stowell Mfg. Co., Jersey City, N. J.

Roofing (Asphalt, Ready)

(See also Roofers; also Asphalt Dealers & Importers)

Acme Asphalt Roofing Mfg. Co. ("Eagle" Brand), 65 Mallory av, Jersey City, N. J.
American Insulating Material Mfg. Co. (Ivoryoid Indestructible Fireproof), Alexander.
Armitage Mfg. Co., Richmond, Va. Ind.
Asphalt Ready Roofing Co., 136 Water, New York
Asphalt Roofing Co. ("Wanigas"), Saginaw, Mich.
Barber Asphalt Paving Co. ("Genasco"), Phila., Pa.
BURTON, W. J. CO., 161 W Congress, Detroit, Mich. (See adv. index, end of book)
Consolidated Roofing Works (Seamless), Columbus
Densmore-Stabler Refining Co., Los Angeles, Cal.
DOGGETT, STANLEY (Finish), 101 Beekman, New York. (See adv. index, end of book)
Eastern Granite Roofing Co., Irving bldg, New York
General Roofing Mfg. Co., East St. Louis, Ill.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
McClintock & Irvine Co., Pittsburg, Pa.
McHenry-Millhouse Mfg. Co. ("Climax"), South Bend, Ind.
Minneapolis Paper Co. ("Monarch" Brand), Minneapolis, Minn.
National Roofing Co. ("Security," "Safety"), Tonawanda, N. Y.
Patent Vulcanite Roofing Co. ("Vulcanite"), 625 S Campbell av, Chicago, Ill.
Pioneer Roll Paper Co. ("Ready Rock"), Los Angeles, Cal.
Schillinger Bros. Co. ("Eagle" Brand), Detroit, Mich.
Scott Roofing & Mfg. Co. ("Asteroid"), Pittsburg, Pa.
Stowell Mfg. Co., Jersey City, N. J.
Trainer, C. W. Mfg. Co., Boston, Mass.
Trinidad Asphalt Mfg. Co., 320 S 21st, St. Louis, Mo.
Union Roofing & Mfg. Co. ("Gal-Va-Nize"), St. Paul, Minn.
Warren Chemical & Mfg. Co. ("Anchor Brand), 19 Battery pl, New York

Roofing (Asphalt Slag)

Acme Asphalt Roofing Mfg. Co. ("Diamond Gray Slag), 65 Mallory av, Jersey City, N. J.
BURTON, W. J. CO., 161 W Congress, Detroit, Mich. (See adv. index, end of book)
Hetzel, J. G. (Est. of), 67 Maine, Niagara Falls, N. Y.
Stowell Mfg. Co., Jersey City, N. J.

Roofing ("Best-ov-All")

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

Roofing Caps (Tin)

Ammidon & Co., Baltimore, Md.
Barrett Mfg. Co., Land Title bldg, Phila., Pa.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Federal Mfg. Co., Baltimore, Md.
Graham Paper Co. (Jobbers), St. Louis, Mo.
Horan Stay Hanger Co., Louisville, Ky.
Humphrey, H. W., Unionville, Conn.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Merwin Mfg. Co., Erie, Pa.
Robertson, W. P. Iron & Steel Co. (P. O. Moon), Cincinnati, O.

Roofing (Car)

Armitage Mfg. Co., Richmond, Va.
Asbestos Protected Metal Co. ("Robertson Standard for Inside of Box Cars), Canton, Mass.
Bird, F. W. & Son ("Paroid"), East Walpole, Mass.
Chicago-Cleveland Car Roofing Co. (Freight Car Metal), Old Colony bldg, Chicago, & Cleveland, O.
Consolidated Supply Co. (Metal), 321 Dearborn, Chicago, Ill.
Drake & Wiers Co. (Asphalt), Cleveland, O.
Excelsior Car Roofing Co., Chemical bldg, St. Louis, Mo.
Fay Manilla Roofing Co., Camden, N. J.
Graham Paper Co. (Jobbers), St. Louis, Mo.
Hutchins Car Roofing Co. (Iron & Pioneer), Penobscot bldg, Detroit, Mich.
Patent Vulcanite Roofing Co. ("Vulcanite Rubber), 625 S Campbell av, Chicago, Ill.
Standard Paint Co. (Ruberoid), 100 William, New York
Standard Railway Equipment Co. (Morse Galvanized Iron), National Bank of Commerce bldg, St. Louis, Mo.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Yale, Julian L. & Co. (Torsion-Proof), Railway Exchange bldg, Chicago, Ill.

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Roofing (Cork)

Stowell Mfg. Co., Jersey City, N. J.

Roofing (Corrugated Iron, Asbestos Coated)

Hyndman Roofing Co., 318 E. 2d. Cincinnati, O.

Roofing (Duck)

(See Cotton Duck Manufacturers)

Roofing (Elaterite)

Western Elaterite Roofing Co., Denver, Colo.

Roofing (Feldspar)

Stowell Mfg. Co., Jersey City, N. J.

Roofing Felts

(See Felts, Roofing)

*Roofing (Ferroinclave)

BROWN HOISTING MACHINERY Co. (Fire Proof), Cleveland, O., & 50 Church, New York. (See adv. index & branch offices, end of book)

Roofing (Flintkote)

Bird, J. A. & W. & Co., 34 India, Boston, Mass.

*Roofing ("Imperial")

WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Roofing (Mastic)

National Roofing Materials Co., Edwardsville, Ill.

Roofing Materials

(See also Roofers; also Tin Plate, Metals, etc.; also Roofing & Siding, Iron & Steel; also Roofing Slate; also Roofing Tile; also Papers, Building, Sheathing, etc.; also Felts, Roofing; also the Specific Article Required)

CALIFORNIA.

LOS ANGELES—Harper & Reyonlds Co., 152 N Main
Montague, W. W. & Co., 122 N Los Angeles
Pioneer Roll Paper Co. (Ready Rock Roofing)
Scheerer, C. & Co. (Asphalt; also Patent Vulcanite)
SAN FRANCISCO—Arnold Hardware Co., 838
General Roofing Mfg. Co. Webster
Liggett & McCroskey, 680 Mission
Montague, W. W. & Co., Polk & Turk

GEORGIA.

ATLANTA—Conklin Tin Plate & Metal Co.
Kriegshaber, V. H., 97½ Peachtree
Murphys, C. P., Sons, 2 Wall
Smith, O. A. Roofing & Contracting Co., 27
MACON—Mallary Mill Supply Co. Walton
SAVANNAH—Conklin Tin Plate & Metal Co.
Hanley, Andrew Co.

HAWAII.

HONOLULU—Lewers & Cooke, Ltd.

ILLINOIS.

CHICAGO—General Roofing Mfg. Co.
Heppes Co. ("No Tar," Roofing), 3093 Fil-
Hopkins, H. H. Co., 50 Dearborn more
Illinois Roofing & Cornice Co., 329 W. Kinzie
Johns, H. W.-Manville Co., 171 Randolph
Lehon Co. ("Roofite," Rubber Surface), W 43d & Lincoln
MacLellan, H. G. & Co., 115 Dearborn
Murdoch, Wm. Co., 145 Lasalle
North Chicago Roofing Co., 128 North av
Patent Vulcanite Roofing Co. (Patent "Vulcanite" Rubber, Asphalt, Asphalt Ready, Felts, Cements, Nails)
Powell, M. W. Co., 204 Dearborn
Randolph, C. W., 825 Clifton av
Sall Mountain Asbestos Mfg. Co. ("Reliance" Rubber), 68 S Canal
WATSON, H. F. CO. ("Indruroid," Asbestos, etc.), 12 S Clinton. (See adv. index, end of book)
Western Roofing & Supply Co., 2357 Lasalle
Wheeler & Thomas Roofing Co., 171 N Wells
Woodley, Jas. C. & Co. ("Compo Rubber"), 22d & Lumber
EAST ST LOUIS—General Roofing Mfg. Co.
MARSEILLES—General Roofing Mfg. Co.
PEORIA—Clark, Quien & Morse
Johnson, Chas. Hardware Co.
Meyer, F. & Bro. Co.
Streibich, John C.

INDIANA.

EVANSVILLE—Anchor Roofing & Paving Co.

KENTUCKY.

LOUISVILLE—Kleier, H. J., Jr., 915 Shelby
Louisville Paper Co. (Red Rope), 251 E Main
National Roofing & Supply Co., 140 W Main
Parker, J. C. Paper Co., 307 W Main
Southern Roofing & Paving Co., 1006 W Main

LOUISIANA.

NEW ORLEANS—Demorelle, Jas. & Sons, 1035 Toulouse
Kracke & Flanders, 630 Gravier
Louisiana Roofing Co. (Ltd.), 407 Tchoupitoulas
Menge, J. H. & Sons (Ltd.), Common & Tchoupitoulas
Thompson, Edw. Co. (Ltd.), 530 Natchez
Tupper, Allen, 713 Union
Woodward, Wight & Co. (Ltd.), 420 Canal

MARYLAND.

BALTIMORE—Dawes, J. S. & Co., 782 W.
Foy, Edw. L. & Co., 16 W Camden Pratt
Lyon, Conklin & Co., 18 Balderston
National Building Supply Co. (Asbestos, Asphalt, Felt, etc.), 418 E Pratt
Noble, H. & Co., 623 S Caroline

MASSACHUSETTS.

BOSTON—Asphalt Roof Coating Co., 127 Federal

GILMAN SNOW GUARD

103 Merrimac. (See adv. index, end of book)
Johns, H. W.-Manville Co., 55 High
Murtfeldt, W. A. Co. (Gravel, Slate & Metal), 161 Devonshire
South Boston Roofing Co., 490 B'way
STEARNS, A. T. LUMBER CO., Neponset. (See adv. index, end of book)
Warren Chemical & Mfg. Co., 49 Federal
WATSON, H. F. CO., 79 Milk. (See adv. index, end of book)
CAMBRIDGE — Purcell, Hycent (Roofing Cement, etc.)

MICHIGAN.

DETROIT—**BURTON, W. J. CO. 161 W** Congress. (See adv. index, end of book)
Fuel Economy & Mfg. Co., 42 Jeff'n av
Gilbert, G. W. & Son, 20 Gilman
Pudritb & Chandler, 74 Brush
Thomas Bros. & Co., Hammond bldg
SAGINAW—Asphalt Roofing Co. (2 & 3 Ply Roofing, Roof Paints, Tarred Felts, etc.)
VALLEY CORNICE & SLATE CO. (Ltd.) (Slate, Tile & Metal), 314-318 N Hamilton, W. S. (See adv. index, end of book)

MINNESOTA.

DULUTH—Cutler, D. G. Co.
MINNEAPOLIS—Crittenden Roofing Mfg. Co., 918 S 4th
Janney, Semple, Hill & Co., 20 S 2d
Nott, W. S. Co. ("Wizard," "Silverite" Prepared)
Stremel Bros. Roofing & Cornice Co., 1215 Washington av, N
ST. PAUL—Griffin & Boehme, 121 W University av
Northwestern Lime Co., 68 Lower Levee

MISSOURI.

KANSAS CITY—Conkey, Theo. F., 1314 E 18th
Lewis Supply Co., 1300 W 11th
ST. LOUIS—Daniels Roofing & Supply Co., 206 Walnut
Excelsior Roofing Co., 1309 N Grand av
Finger & Co., 2008 Russell av
Latal, John J., Roofing Co., 4422 Easton av
St. Clair Roofing Co., 921 Chestnut
Standard Roofing Co., 1100 Chestnut
Stockhoff Supply Co., 107 N Main
Trinidad Asphalt Mfg. Co. (Asphalt Roofing Cements, Paints, etc.), 320 S 21st
Zelnicker, Walter A. Supply Co. (Prepared Roofing), 325 Locust

NEBRASKA.

LINCOLN—Nichols Roofing Co.
Whitebreast Coal & Lumber Co.
Young, R. S. Building Supply Co.
OMAHA—Barrick, Edw.
Cady, H. F. Lumber Co.
Jones, J. H. Roofing Co.
Mica Roofing Co.
Rogers G. W.
Sunderland Roofing & Supply Co.

NEW JERSEY.

CAMDEN—Rudderow, S. F. & Son
JERSEY CITY—Acme Asphalt Roofing Mfg. Co. (Asphalt, Slag, etc.), 65 Mallory av
NEW BRUNSWICK—Weigel, Philip, Jr.

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Baker, Howard H. & Co., 20 Ter-
Beaver Mfg. Co., 228 Perry race
Black, John H. Co., Builders' Exchange
Buffalo Wholesale Hardware Co., 317 Oliver
Christmann, Philip & Sons, Virginia & Orange
Fisher, Martin & Sons, 75 W Chippewa
Grove Roofing Co., 121 W Eagle
Hall, Leander W. & Son, 216 Pearl
Machwirth Bros. Co., 201 Oak
Smith, D. L., 31 Church

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Coal Tar Product Co., Smith & Creamer

Boroughs of Manhattan & Bronx.

NEW YORK—Blue & Queripel Co., 119 E 124th
BROWN HOISTING MACHINERY Co. ("Ferroinclave"), 30 Church. (See adv. index & branch offices, end of book)
DOGGETT, STANLEY, 101 Beekman. (See adv. index, end of book)
Ehret Magnesia Mfg. Co. (Asbestos, Felts, Cements, Paints, etc), 80 Wooster
HEWITT, C. B. & BROS. (Roofing, Papers, Felt, etc.), 49 Beekman (See adv. index, end of book)
Hoopes & Shipman, 345 W 20th
Johns, H. W.-Manville Co., 100 William
Nonpareil Cork Works ("Silicator"), 50 Church
O'Meara, Maurice Co. ("Perfect"), 448 Pearl
Standard Paint Co., 100 William
Swan, Alfred F. C. (Felt, etc.), 17 Battery pl

(End of New York City)

ROCHESTER — Rochester Roofing & Heating
SYRACUSE—Central City Roofing Co. Co.

OHIO.

CADIZ—Long, E. M. & Sons (Wholesale Slate, Asphalt, Felt, etc.)
CINCINNATI—Breese, J. E. & Bro., 210 W 2d
Chatfield Mfg. Co. (Ready Roofing, etc.)
Chatfield & Woods Co., 349 W. 4th
Cincinnati Roofing Co., 220 Post Square
Diem & Wing Paper Co. ("Flintold," etc.), 8th & Eggleston av
Globe Paint & Roofing Co., 232 W 8th
Kramig, R. E. & Co. (Asbestos, etc.), 234 E 6th
Singleton, Ruffner & Co., n e c 8th & Plum
CLEVELAND — **BROWN HOISTING MA**chinery Co. ("Ferroinclave"), 4403 St. Clair, N. E. (See adv. index & branch offices, end of book)
Osborn, J. M. & L. A. Co., 1047 Viaduct
Union Paper & Twine Co. ("Leatheroid"), 131 St. Clair
COLUMBUS—Columbus Roofing & Supply Co.
MANSFIELD—Bodine Roofing Co. (Wood Pulp)
TOLEDO—Schillinger Bros. Co. ("Eagle Brand" Asphalt Gravel Roofs), 215 City Park av

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PENNSYLVANIA.

ERIE—WATSON, H. F. CO. ("Indruroid," Asbestos, etc.), (See adv. Index, end of book)
PHILADELPHIA—Barrett Mfg. Co. ("Black Diamond" Waterproof, 4-Ply & Felt, Pitch & Gravel Roofing, Land Title bldg
Berger, L. D., 59 N 2d
Berger Bros.' Co., 237 Arch.
Cornell, H. T., 1845 N 6th
Ehret Magnesia Mfg. Co. (Asbestos, Felts, Cements, Paints, etc.), Land Title bldg
France, David Co., Tasker Street Wharf
Garrett, C. S. & Son Co., 22 S Farshall
Johns, H. W.-Manville Co., 21 N 2d
Kimes, J. B. & Co., 1822 Filbert
Stelwagon Mfg. Co., 19th & Washington av
United Roofing & Mfg. Co. ("Vulcanite" Ready Roofing, "Congo," Never Break, Acid & Alkali Proof), West End Trust bldg
PITTSBURG—Booth, J. B. & Co. ("Noleke," "Shedrain," "Boustite" Composition Roofing, Paints, Felts, etc.)
BROWN HOISTING & MACHINERY Co. ("Ferroinclave", Frick bldg. (See adv. Index & branch offices, end of book)
Le Goullon, P., Bessemer bldg
McGraw, J. A. Bros.
McKallip & Co., ("Pyramid" Ready; also Tar Paper, Asphalt Roofing, Roofing Paper, Slaters' Felt).
Young, J. F., 34th & A V Ry
SLATINGTON—McKenna, David
WILKES-BARRE—Penna. Supply Co.
Phelps, Lewis & Bennett Co.
YORK—General Roofing Co.

RHODE ISLAND.

PROVIDENCE—Cartier, M. N. & Sons Co.
Greene, Robert L. Paper Co., 69 Washington

TENNESSEE.

CHATTANOOGA—Chattanooga Roofing & Foundry Co. (Felts, Paints, Pitch, Steel, Corrugated, etc.)
Eureka Supply Co.
James Supply Co.
KNOXVILLE—McClung, Buffat & Buckwell
McClung, C. M. & Co.
MEMPHIS—Bartholomew Roofing Co.
Lee Bros. (Comp. & Ready Roofing)
NASHVILLE—Nashville Roofing & Paving Co.

TEXAS.

DALLAS—Buckelew, O. O.
King, T. F.
DENISON—Lingo-Leeper Lumber Co.
EL PASO—Santa Fe Fuel Co.
FORT WORTH—Burton-Lingo Co.
Wills & Tyson
HOUSTON—Bering-Cortes Hardware Co.
Heitman, F. W. Co. (Iron & Felt)
Peden Iron & Steel Co. (Ruberoid, etc.)
SAN ANTONIO—Dielmann, Jno. C.

UTAH.

SALT LAKE CITY—Morrison, Merrill & Co.

VIRGINIA.

LYNCHBURG—Adams Bros. Paynes Co.
NORFOLK—Thomas, T. W. & Co.
RICHMOND—Gordon Metal Co.

WASHINGTON.

SEATTLE—Crowe, F. T. & Co.
Galbraith, Bacon & Co. ("Samson" Elastic Rubber)
Miles, Z. C. & Piner Co.
Rhoads, Apfel & Earnest
Schwabacher Hardware Co.
SPOKANE—Brown, Wm.
Brown Bros.
Henderson, L. A.
Holley, Mason Hardware Co.

WEST VIRGINIA.

WHEELING—Caldwell, B. F. & Co. (Iron & Steel)
Chapman, W. H. & Sons
Johnson's, Geo. W. Sons
Wilson, W. A. & Sons

WISCONSIN.

MILWAUKEE—Badger Roofing Co., 217 4th
Frankfurth, Wm. Hdw. Co., 119 W Water
Johns, H. W.-Manville Co., 225 Clybourn
Monsted, A. Co., Pabst bldg.
Pritzlaff, John Hardware Co., 51 W Water
South Side Roofing Co., 225 Reed
Winding & Gezelschap, Pabst bldg

Roofing Materials (Asphalt)

(See Asphalt Dealers & Importers; also Asphalt Miners & Refiners; also Roofing, Asphalt)

Roofing Nails

(See Nails, Roofing & Slating)

Roofing (Paroid)

Bird, F. W. & Son, East Walpole, Mass.

Roofing Pitch

(See Pitch, Paving & Roofing)

Roofing Plate, Metals, Etc.

(See Tin Plate, Metals, Etc.; also Tin Plate Manufacturers)

Roofing (Protected Metal)

Moeschl-Edwards Corrugating Co. ("Gem," Brand Underside protected with Cement paper or Asbestos), Covington, Ky.

Roofing (Rexoid)

Stowell Mfg. Co., Jersey City, N. J.

Roofing (Rubber)

American Asphaltum & Rubber Co. ("Parlette"), Women's Temple, Chicago, Ill.
BURTON, W. J. CO., 161 W Congress, Detroit, Mich. (See adv. Index, end of book)
Ford Mfg. Co. ("Ford's Galvanized"), 163 W. Washington, Chicago, Ill.
General Roofing Mfg. Co., East St. Louis, Ill.
Heppes Co. ("No Tar"), 2427 Fulton, Chicago, Ill.
Lincoln Waterproof Cloth Co. ("Compo," "Lytholid"), Boundbrook, N. J.
McHenry-Millhouse Mfg. Co. ("Veribest"), South Bend, Ind.
O'Meara, Maurice, Co. ("Perfect"), 448 Pearl, New York
Patent Vulcanite Roofing Co. ("Vulcanite"), 625 S Campbell av, Chicago, Ill.
Sall Mountain Asbestos Mfg. Co. ("Reliance," "Milko"), 68 S Canal, Chicago, Ill.
Street, J. D. & Co. ("Majestic"), 809 N. 2d. St. Louis, Mo.
Union Roofing & Mfg. Co. (Asphalt Felt Smooth Surfaced), St. Paul, Minn.
Woodley, J. C. & Co. ("Compo Rubber"), 22d & Lumber, Chicago, Ill.

Roofing Slag

(See Slag, Concrete & Roofing, Etc.)

Roofing Slate (Asbestos)

Asbestos Shingle, Slate & Sheathing Co. ("Century"), Ambler, Pa.

*Roofing Slate ("Eureka" Slate)

EUREKA SLATE QUARRIES, Fair Haven, Vt. (See adv. Index, end of book)

Roofing Slate Mfrs.

NOTE—(Slate quarried in Maine is all black, ditto Virginia, while that quarried in Pennsylvania & Maryland is also black, but borders on dark blue, & is advertised by some firms as dark blue. Slate quarried in New York is red of various tints, while that quarried in Vermont is of various colors, such as green, purple, variegated, etc.)

GEORGIA.

ROCKMART—Black Diamond Slate Co.
Rockmart Slate Co.

MAINE.

BATH—Monson Consolidated Slate Co.
BROWNVILLE—Brownville Maine Slate Co. (See Worcester, Mass.)
Merrill Brownville Slate Co.
MONSON—Maine Slate Co. (of Monson)
Monson Maine Slate Co. (See Boston, Mass.)
PORTLAND—Portland Monson Slate Co.

MARYLAND.

(The slate quarries of this State are in a Penna. State line, & the P. O. address is Delta, Pa.)

MASSACHUSETTS.

BOSTON—Mathews Slate Co.
Monson Maine Slate Co. (Unfading Black) 113 Devonshire; Quarries at Monson
WORCESTER—Algonquin Red Slate Co. (See Brownville Maine Slate Co.

NEW YORK.

GRANVILLE—Algonquin Red Slate Co. (See Worcester, Mass.)
American Sea Green Slate Co.
Butterfield, H. R. & Co.
Culbertson, Samuel F.
Edward Slate Co.
Granville Slate Co.
Hughes, W. H. Co.
Norton Bros.
O'Brien Bros.
Owens, Owen W. Sons
Rice Bros.
Sheldon, F. C.
Vermont Slate Co. (Inc.) (See Zanesville, O.)
Williams, R. J. Slate Co.
MIDDLE GRANVILLE—(See also Granville) Penrhyn Slate Co.
NEW YORK—Galt, John & Sons, 233 B'way
Johnson, E. J. Co. (Dealers), 33 Park Pl
Kirtland, W. H., 1123 B'way
Slatington Slate Co., 70 Wall
Wells, Arthur, 1123 B'way

OHIO.

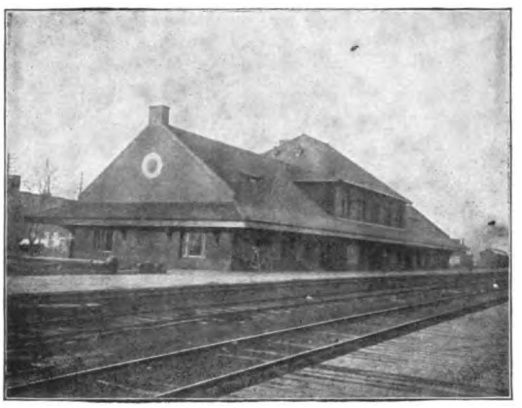
CLEVELAND—Auld & Conger Co., 942 Perpect. Quarries at Bangor, Me., & Pen. Co.
COLUMBUS—Columbus Slate Co. (Wholesale)
ZANESVILLE—Vermont Slate Co. (Quarries Granville, N. Y.)

PENNSYLVANIA.

BANGOR—Albion Vein Slate Co.
American Slate Co. (See Easton, Pa.)
Auld, Conger & Co. Office, Cleveland
Bangor Crescent Slate Co.
Bangor Excelsior Slate Co. Office, Easton
Bangor International Slate Co.
Bangor Peerless Slate Co.
Bangor Slate Co. (Unfading Black)
Bangor Slate Mining Co.
Bangor Washington Slate Co.
Belmont Slate Co.
Columbia Bangor Slate Co.
Hercules Slate Co.
Keenan Structural Slate Co. (See Easton, Pa.)
Moyer, J. S. & Co. (See Bethlehem, Pa.)
North Bangor Slate Co.
Pen-Bangor Slate Co.
Pittsburg Slate Co. (of Pittsburg)
Schaeffer, R. F.
Schoonover, R. P. & Co.
Stoddard, D. & Son
BETHLEHEM—Chapman Slate Co.
Heimbach Slate Co.
Moyer, J. S. & Co. (Inc.)
CHAPMAN QUARRIES—Chapman Slate Co. (See Bethlehem, Pa.)
Chapman Standard Slate Co.
Keystone Slate Co.
DANIELSVILLE—Hower, Jeremiah K.
Lobb, Edwards & Co.
Motgonmery Slate Co.
DELTA—Excelsior Slate Co.
Jones, Robt. L., Slate Mfg. Co.
Miles Peach Bottom Slate Co.
Peach Bottom Slate Co.
Peerless Slate Co.
Proctor Slate Co.
United Peach Bottom Slate Co.
EAST BANGOR—Bray, J. & Co. (See Delta)
East Bangor Consolidated Slate Co.
EASTON—American Slate Co.
Bangor Excelsior Slate Co.
Genuine Bangor Slate Co.
Keenan Structural Slate Co.
Penna. Hard Vein Slate Co.
LANCASTER—Peach Bottom Roofing Slate
LYNNPORT—New York Standard Slate Co.
Outalaunee Slate Mfg. Co.
MAUCH CHUNK—Mauch Chunk Slate Co.
NAZARETH—Belfast Slate Co.
PEN ARGYL—Bangor Hardy Slate Co.

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Inlaid Slate Co.
Jackson Bangor Slate Co.
Jackson Bros.
Jackson, Richard Slate Co.
Kitto, C. & Co.
Kress, J. M. & Co.
Parsons Bros.
Pen Argyl Valley Slate Co.
Stephens, Jackson & Co.
Stoddard, D. & Son. (See Bangor, Pa.)
PHILADELPHIA — Cropper, R. T. (Jobbers) (Keystone, Chapman & Peachbottom), 24 S 7th
Emack, Jno. D. (Jobber), Stephen Girard bldg
Kimes, J. B. & Co. (Jobbers), 1822 Filbert
PITTSBURG—Pittsburg Slate Co., 714 Jack-
PITTSTON—Pittston Slate Co. son, N. S.
SLATEDALE—Bittner Slate Co. (See Allen
Highland Slate Co. town, Pa.)
Royal Blue Slate Co.
Thomas Slate Co.
SLATEFORD—Snowden-Bangor Slate Co.
SLATE HILL—Jones, Faulk & Sons
SLATINGTON—Atlas Slate Co.
Bachman Bros.
Blue Mountain Slate Co.
Blue Valley Slate Mfg. Co.
Cambridge Slate Co.
Carbon Slate Co.
Columbia Slate Co.
Crescent Slate Co.
Dalby, R. H. & Co.
East End Slate Co.
Empire Slate Co.
Eureka Slate Mfg. Co.
Fairview Slate Co.
Franklin Slate Co.
Great Western Slate Co.
Griffith Bros. Slate Co.
Hazle Dell Slate Co.
Hower, J. K.
International Slate Co.
Lehigh Structural Slate Mfg. Co.
McKenna, David (Est. of)
Mauch Chunk Slate Co. (See Mauch Chunk.
Meadow Brook Slate Co. Pa.)
Miller, O. A. Slate Co.
Monarch Slate Mfg. Co.
Penna. Slate Co.
Peters, E. D. & Sons
Pittston Slate Co.
Provident Slate Co.
Prudential Slate Co.
Reliance Slate Co.
Roberts, M. J. & Co.
Sieger, Henry N. & Son (Jobbers)
Slatington-Bangor Slate Syndicate
Slatington Slate Co.
Standard Slate Co.
Star Slate Co.
Steckel, Samuel (Jobber)
Unger, Jno. F. Slate Co.
Washington Slate Co.
Western Bangor Slate Co.
Williams, Owen T. & Son
Wyoming Slate Co.
Zellner, Thos.
WALNUTPORT—Finn, Ezra & Sons
Hahn, Granville
WILKES-BARRE—Henry Slate Co.
Jones, Owen D. Quarries
WIND GAP—Blue Mountain Slate Co.
Pelican Slate Mfg. Co., Office: Pottstown.
Penn Bangor Slate Co. Pa.
Phoenix Slate Co.

VERMONT.

CASTLETON—Jones, John Slate Co.
FAIR HAVEN—Allen's, S. Sons
Coulman & Wescott
Durrick, Keenan & Co. (Ltd.)
Eastern Slate Co.
EUREKA SLATE QUARRIES. (See adv. index, end of book)
Fair Haven Marble & Marbilized Slate Co.
Hogan D. & Son
Lloyd, W. H.
McNamara Bros.
Scotch Hill Slate Co.
Vermont Unfading Green Slate Co.
Victor Slate Co.
Young, A. B.
NORTHFIELD—Northfield Slate Co.
Vermont Black Slate Co.
POULTNEY—Auld & Conger Co. (See Cleve-
Green Mountain Slate Co. land, O.)
Griffith & Nathaniel
Hughes-Snyder Slate Co.
Jones & Roberts
Matthews Slate Co. (See Boston, Mass.)
New York Consolidated Slate Co.
Parry, Jones & Owens
Poultney Consolidated Slate Co.
Roberts & Rowland
WEST PAWLET—Beecher Slate Co.
Rising & Nelson Slate Co.
Roberts, G. T.
Williams, Keefe & Co.

VIRGINIA.

ARVONIA—Arvonia Slate Co. (Office, Lynch-
Buckingham Slate Co. burg, Va.)
Pitts, A. L.
Richmond Slate Co. (See Richmond, Va.)
Williams Slate Co. (See Richmond, Va.)
LYNCHBURG—Arvonia Slate Co. Quarries, Arvonia, Va.
RICHMOND—Arvonia Slate Co., Quarries at Arovnia, Va.
Richmond Slate Co. (Quarries, Arvonia, Va.)
Williams Slate Co. (Quarries, Arvonia, Va.)
SNOWDEN—Williams Bros. Slate Co.

Roofing Slate (Purple)

Columbus Slate Co., Columbus, O.
Edwards Slate Co., Granville, N. Y.
Galt, John & Sons (Jobbers), 253 B'way, New York, & 95 Washington, Chicago, Ill.
Griffith & Nathaniel, Poultney, Vt.
Hughes, Wm. H., Granville, N. Y.
Lloyd, W. H., Fair Haven, Vt.
Penrhyn Slate Co., 493 E 138th, New York
Vermont Unfading Green Slate Co., Fair Haven, Vt.

Roofing Slate (Red)

Columbus Slate Co., Columbus, O.
Edwards Slate Co., Granville, N. Y.
Galt, John & Sons, 253 B'way, New York, & 95 Washington, Chicago, Ill.
Hughes, Wm. H., Granville, Pa.
Matthews Slate Co. (See Boston, Mass.)
Norton Bros., Granville, N. Y.
Penrhyn Slate Co., 493 E 138th, New York

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Beecher Slate Co., West Pawlet, Vt. land, O.
Columbus Slate Co., Columbus, O.
Edwards Slate Co., Granville, N. Y.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
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Penrhyn Slate Co., 493 E 138th, New York
Poultney Consolidated Slate Co., Poultney, Vt.
Rising & Nelson Slate Co., West Pawlet, Vt.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Vermont Slate Co. (Inc.), Granville, N. Y.

Roofing Slate (Unfading Green)

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Lloyd, W. H., Fair Haven, Vt.
Minogue, Jas., Fair Haven, Vt.
Poultney Consolidated Slate Co., Poultney, Vt.
Vermont Slate Co., Granville, N. Y.
Vermont Unfading Green Slate Co., Fair Haven, Vt.

*Roofing, Smooth Finish (Asphalt)

BURTON, W. J. CO., 161 W. Con- gress, Detroit, Mich. (See adv. index, end of book)

Roofing Tile (Actinolite)

Le Goullon, P., 614 Bessemer bldg, Pittsburg, Pa.
Powell, M. W. Co., 204 Dearborn, Chicago, Ill.

Roofing Tile (Asphalt)

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Roofing Tile (Cement)

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Anderson & Veatch (Concrete), Evansville, Ind.
Diamond Cement Machine Co., Toledo, O.
Perth Amboy Cement & Stone Roofing Tile Co. (Any Color), Perth Amboy, N. J.
Waterloo Concrete Roofing Co. (Inc.) ("Waterloo"), Waterloo, Ia.

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LUDOWICI-CELADON CO., Chamber of Commerce bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

*Roofing Tile (Glass)

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LUDOWICI-CELADON CO., Chamber of Commerce bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

*Roofing Tile (Metal)

(See also Shingles, Metallic)
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
NATIONAL SHEET METAL ROOFING Co. ("Walter's"), 339 Grand, Jersey City, N. J. (See adv. index, end of book)

Roofing Tile (Metallic, Spanish Shapes)

BERGER MFG. CO., THE, Canton, O. (See adv. index & branch offices, end of book)
EDWARDS MFG. CO. ("Edwards"), 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Meurer Bros. Co., 571 Flushing av, Brooklyn, N. Y.
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.

Roofing Tile (Promenade)

AKRON ROOFING TILE CO., Akron, O. (See adv. index & branch offices, end of book)
Cincinnati Roofing Tile & Terra Cotta Co., Mitchell av & B. & O. S. W. Ry., Cincinnati, O.
LUDOWICI-CELADON CO., Chamber of Commerce bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

*Roofing Tile (Roman Grecian)

AKRON ROOFING TILE CO., Akron, O. (See adv. index & branch offices, end of book)

Roofing Tile (Terra Cotta)

AKRON ROOFING TILE CO., Akron, O. (See adv. index & branch offices, end of book)
Alfred Clay Co. ("Regal"), Alfred, N. Y.
Bennett, Edw. Roofing Tile Works, Baltimore, Md.
Cincinnati Roofing Tile & Terra Cotta Co., Mitchell av. & B. & O. S. W. Ry., Cincinnati, O.
CINCINNATI WALL TIE CO. (Mfrs'. Agents), 206 E 5th, Cincinnati, O. (See adv. index, end of book)
Clark, N. & Sons, 17 Spear, San Francisco, Cal.
Detroit Roofing Tile Co., Bamlet bldg, Detroit, Mich.
FISKE & CO. (Inc.) (Agents), 25 Arch, Boston, Mass., & Flatiron bldg, New York. (See adv. index, end of book)
Gladding, McBean & Co., San Francisco, Cal. Works: Lincoln, Cal.
Huntington Roofing Tile Co. (Shingle Tile), Huntington, W. Va.
Los Angeles Pressed Brick Co. (Impervious), Los Angeles, Calif.
LUDOWICI-CELADON CO. ("Celadon"), Chamber of Commerce bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
MAURER, HENRY & SON, 420 E 23d New York, & Penna bldg, Phila. Works: Maurer, N. J. (See adv. Front side Cover)
Mound City Roofing Tile Co., St. Louis, Mo.
Person & Co. ("Akron"), 160 5th av, New York
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Warrick Roofing Tile Co., Newburgh, Ind.

Roofing Tile (Terra Cotta Glazed)

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Cincinnati Roofing Tile & Terra Cotta Co., Mitchell av. & B. & O. S. W. Ry., Cincinnati, O.
LUDOWICI-CELADON CO., 138 Washington, Chicago, Ill. (See adv. index & branch offices, end of book)

Roofing Tile (Terra Cotta Graduated)

AKRON ROOFING TILE CO., Akron O. (See adv. index & branch offices, end of book)
Cincinnati Roofing Tile & Terra Cotta Co. (Vitrified), Mitchell av & B. & O. S. W. Ry., Cincinnati, O.
LUDOWICI-CELADON CO. ("Celadon"), Chamber of Commerce bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Person & Co. ("Akron"), 160 5th av, New York

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Howe Scale Co. (of Illinois), 1315 Wabash av, Chicago, Ill.
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THE DIAMOND RUBBER COMPANY, AKRON, OHIO

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Foster Rubber Co. (Heels & Soles, Shoe Pads, Crutch Tips, etc.)
Franklin Rubber Co. (Clothing)
Hale, Alfred Rubber Co. (Diving Apparatus & Molded Work)
Hanthaway, C. L. & Sons (Inc.) (Cements)
Hood Rubber Co. (Footwear)
Hoyt Rubber Co. (Molded Goods & Specialties)
Massachusetts Rubber Co. (Footwear)
Melrose Rubber Co. (Controlled by Boston Rubber Shoe Co.)
Milford Rubber Co. (Proofers for the Trade)
Milford Rubber Cement Co. (Cements)
New England Blacking Co. (Cements)
New England Rubber Co. (Controlled by Hood Rubber Co.)
Reading Rubber Mfg. Co. (Carriage Cloth & Melodeon Cloth)

Wauregan Tire Co. (Tires)

MINNESOTA.

MINNEAPOLIS—F. & M. Cement Specialty Co. (Cements & Compounds)

MISSOURI.

ST. LOUIS—Banner Rubber Co. (Footwear)
St. Louis Rubber Cement Co. (Cements)

NEW HAMPSHIRE.

CLAREMONT—Maynard Shoe Co. (Footwear)
EXETER—Rubber Step Mfg. Co. (Carriage Accessories
MILFORD—Milford Rubber Cement Co. (See Boston)

BATAVIA—Sweet Tire & Rubber Co. (Tires)
BUFFALO—Buffalo Rubber Mfg. Co. (Dipped Goods)
Buffalo Weaving & Belting Co. (Rubber Belting & Webbings)
Hewitt Rubber Co. (Mechanical Goods & Hose Specialties)
LOCKPORT—Empire Mfg. Co. (Rubber-Lined Cotton Hose & Belting)
Niagara Rubber Co. (Mechanical Goods & Tires)
MAMARONECK—Soltau, Robt. (See New York City)
MATTEAWAN—New York Rubber Co. (See New York City)
MT. VERNON—Hodgman Rubber Co. (See New York City)

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NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Behrend & Rothchild (Novelties in Dipped Goods), 353 B'way
Brooklyn Hard Rubber Co. (See Brooklyn Rubber Co.)
Brooklyn Rubber Co. (Hard & Soft Rubber Specialties), 395 Sumner av
Brooklyn Shield Co. (See Brooklyn Rubber Co.)
Doherty, Eugene (Est. of) (Dental & Stamp Rubber), 112 Kent av
Dow Tire Co. (Foot of 36th (See New York City)
Gutta Percha & Rubber Mfg. Co. (See New York City)
Waterbury Co. (See New York City)

Boroughs of Manhattan & Bronx.

NEW YORK—Ajax-Grieb Rubber Co. (Tires, Soles & Heels), 1770 B'way. Factory, Trenton, N. J.
American Hard Rubber Co. (Hard Rubber Goods), 9 Mercer. Factories, College Point, Borough of Queens, New York, Butler, N. J., Akron, O.
American Lead Pencil Co. (Rubber Erasers & Bands), 43 W 4th. Factory, Hoboken, N. J.
American Wringer Co. (Rubber Rolls), 99 Chambers. Factory, Woonsocket, R. I.
Ash, Claudius & Sons (Ltd.) (Dental Rubber), 30 E 14th. Factory, Irvington, N. J.
Atlantic Insulated Wire & Cable Co. (Insulated Wires), 120 Liberty. Factory, Stamford, Conn.
Bishop Gutta Percha Co. (Insulated Wire & Cables, Gutta Percha Tissue), 420 E 25th
KERITE INSULATED WIRE & CAble Co. (Insulated Wires & Cables), 30 Church. Factory, Seymour, Conn. (See adv. index, end of book)
Consolidated Rubber Tire Co. (Tires), 248 W 47th. Factory, Buckeye Rubber Co., Akron, O.
Continnental Caoutchouc Co. (Tires), 43 Warren. Factories, Boston, Mass., & Hanover, Germany
Dow Tire Co. (Inner Tubes), 104 W 42d. Factory, Brooklyn, N. Y.
Eagle Pencil Co. (Rubber Erasers, etc.), 507 W 20th
Electric Cable Co. (Electric Cables, "Voltax" Insulation), 17 Battery pl. Factory, Bridgeport, Conn.
Ennis-Ruff Tire Co. ("Ruff" Spring Tires), 1870 B'way. Factory, Newark, N. J.
Eureka Fire Hose Mfg. Co. (Rubber-Lined Fire Hose), 13 Barclay. Factory, Jersey City, N. J.
Faber, A. W. (Erasers & Stationers' Rubber Goods), 44 E 23d. Factory, Newark, N. J.
Faber, Eberhard, Firm of. (Erasers & Stationers' Rubber Goods), 209 B'way. Factory, Newark, N. J.
Fabric Fire Hose Co. (Fire Hose), Duane & Church. Factory, Sandy Hook, Conn. Controlled by Rubber Goods Mfg. Co., New York City
Goodyear India Rubber Glove Mfg. Co. (Footwear, Clothing, Drnggists' Sundries, etc.), 503 B'way. Factory Naugatuck, Conn. Controlled by U. S. Rubber Co., New York City
Goodyear Rubber Co. (Footwear), 787 B'way. Factory, Middletown, Conn.
Gutta Percha & Rubber Mfg. Co. (Mechanical), 120 Duane. Factory, Brooklyn, N.Y.
Healey Leather Tire Co. (Tires), 90 Gold
Hodgman Rubber Co. (Mackintoshes, Rubber Clothing, Druggists' & Stationers' Sundries & Air Goods), 806 B'way. Factories, Tuckahoe, N. Y., & Mt. Vernon, N. Y.
Imperial Rubber Works (Dental Rubber), 26 W B'way. Edw. J. McCormick, Propt.
Habirshaw Wire Co. (Insulated Wires), 253 B'way. Factory, Yonkers, N. Y.
Jenkins Rubber Co. (Mechanical Packings, Valves, etc.), 71 John. Factory, Elizabeth, N. J., Jenkins Bros. Propts.
Johnson & Johnson (Rubber Medical Plasterers), 100 William. Factory, New Brunswick, N. J.
Kempshall Mfg. Co. (Golf Balls, etc.), 475 B'way. Factory, Arlington, N. J.
Kleinert, I. B. Rubber Co. (Dental Rubber & Dress Shields), 725 B'way. Factory, College Point, Borough of Queens, New York City
Major Cement Mfg. Co. (Cements), 461 Pearl
Mechanical Rubber Co. (Mechanical), 73 Reade. Controlled by Rubber Goods Mfg. Co., New York City
New York Belting & Packing Co. (Mechanical, Mattings, etc.), 91 Chambers. Factories, Passaic, N. J. Controlled by Rubber Goods Mfg. Co., New York City
New York Gas Tubing Co. (Gas Tubings), 95 Bank
New York Insulated Wire Co. (Insulated Wires & Hard Rubber, Insulating Tapes, Gasket Packing, etc.), 114 Liberty. Factory, Wallingford, Conn.
New York Rubber Co. (Mechanical Toys, etc.), 84 Reade. Factory, Matteawan, N.Y.
OKONITE CO., (Ltd.) (Insulated Wires & Cables), 253 B'way. Factory, Passaic, N. J. (See adv. index, end of book)
Parker-Stearns & Co. (Druggists' Sundries & Auto Goods), 228 South
Peerless Rubber Mfg. Co. (Mechanical), 16 Warren. Factory, New Durham, N. J. Controlled by Rubber Goods Mfg. Co., New York City

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Rubber Goods Mfg. Co. (Mechanical, Tires, etc.), 42 B'way, New York. This Company also controlls the following Companies:
Fabric Fire Hose Co., New York City
G. & J. Tire Co., Indianapolis, Ind.
India Rubber Co., New Brunswick, N. J.
Indianapolis Rubber Co., Indianapolis, Ind.
Mechanical Rubber Co., Chicago, Ill.
Mechanical Rubber Co., Cleveland, O.
Mechanical Rubber Co., New York
Morgan & Wright, Detroit, Mich.
New York Belting & Packing Co., New York
Peerless Rubber Mfg. Co., New York
Stoughton Rubber Co., Stoughton, Mass.

Safety Insulated Wire & Cable Co. (Insulated Wires & Cables), 114 Liberty. Factory, Bayonne, N. J.
Seabury & Johnson (Rubber Plasters), 59 Maiden Lane. Factory, East Orange, N. J.
Soltau, Robt. (Gutta Percha Tissue), 75 John. Factory, Mamaroneck, N. Y.
Traun Rubber Co. (Dental & Druggists' Sundries, Stamp Rubber, etc.), 335 B'way. Factory, College Point, Borough of Queens, New York City
Triumph Steam Packing Co. (Packings, etc.), 90 W B'way. Factory, Palmyra, N. Y.

United States Rubber Co. (Footwear, Clothing, Druggists' Sundries, Insulated Wires, etc.), 42 B'way This Company also controlls the Rubber Goods Mfg. Co., New York City, & subsidory Companies that follow under their name. The United States Rubber Co. also controlls the following:
American Rubber Co., Boston, Mass.
Banigan, Jos. Rubber Co., Providence, R. I.
Bay State Rubber Co., Boston, Mass.
Boston Rubber Shoe Co., Boston, Mass.
Candee, L. & Co., New Haven, Conn.
Goodyear Metallic Rubber Shoe Co., Naugatuck, Conn.
Lycoming Rubber Co., Williamsport, Pa.
National India Rubber Co., Bristol, R. I.
Rubber Goods Mfg. Co., New York
Woonsocket Rubber Co., Woonsocket, R. I.

Vulcanized Rubber Co. of New York (Hard Rubber Goods), 488 B'way. Factory, Norrisville, N. J.
Waterbury Co. (Seamless Insulated Rubber Wires, 69 South. Factory, Brooklyn, N. Y.

Borough of Queens.

COLLEGE POINT—Kleinert, I. B. Rubber Co. (See New York City)
LONG ISLAND Rubber Stopple Co. (Small Molded Goods), W. R. Rhoades & Co., Props.

Borough of Richmond.

PRINCES BAY—White, S. S. Dental Mfg. Co. (See Phila., Pa.

(End of New York City)

PALMYRA—Crandall Packing Co. (Packings. Dealers Packing Co. (Packings) etc.)
Garlock Packing Co. (Packings & Mechanical)
Triumph Steam Packing Co. (See New York City)
ROME—Wire & Telephone Co. of America (Insulated Wires)
SCHENECTADY—GENERAL ELECTRIC Co. (Insulated Wires). (See adv. index, end of book)
SETAUKET—Suffolk Rubber Co. (Footwear)
SYRACUSE—Reed Electric Cordage Co. (Insulated Wires.
TUCKOHOE—Hodgman Rubber Co. (See New York City
YONKERS—Habirshaw Wire Co. (See New York City

OHIO.

AKRON—Akron Pneumatic Tire Co. (Tires & Tubes)
American Hard Rubber Co. (See New York City)
Betzler & Wilson (Fountain Pens)
Buckeye Rubber Co. (See Consolidated Rubber Tire Co., New York City)
Colonial Tire & Rubber Co. (Swinehart Tires)
DIAMOND RUBBER CO. (Mechanical Rubber Goods, Hard Rubber, Tires etc.). (See adv. index, end of book)
Firestone Tire & Rubber Co. (Tires)
Goodrich, B. F. Co. (Mechanical Rubber Goods, Tires, Stationers' & Druggists' Sundries, etc.)
Goodyear Tire & Rubber Co. (Mechanical Goods, Tires, Druggists' Sundries, etc.)
Lyon, O. G. (Gloves & Other Dipped Goods)
Miller Rubber Co. (Molded Work, Seamless Gloves, etc.)
Mots Clincher Tire & Rubber Co. (Tires)
Pike, O. C. (Rubber Specialties) deceased
Star Rubber Co. (Seamless Druggists' Sundries)
Stein Double Cushion Tire Co. (Carriage Tires)
Swinehart Clincher Tire Co. (Carriage Tires)
ASHLAND—Faultless Rubber Co. (Druggists' & Surgical Sundries, Molded Goods, etc.)
BARBERTON—Rubber Products Co. (Mechanical & Druggists' Sundries)
BEACH CITY—Imperial Rubber Mfg. Co. (Seamless & Druggists' Sundries.) See Also Canton
CANTON—Canton Rubber Co. (Seamless Goods & Druggists' Sundries)
Imperial Rubber Mfg. Co. (See Beach City, O.
L. M. Rubber Works (Rubber Sundries)
CARROLLTON—Mitzel Rubber Co. (Mechanical, Air Goods & Druggists' Sundries)
CINCINNATI—Cincinnati Rubber Mfg. Co. (Mechanical)
CLEVELAND—Huron Rubber Co. (Pure Gum Specialties)
Mechanical Rubber Co. (Mechanical & Druggists' Sundries), Controlled by Rubber Goods Mfg. Co. (See New York City)
DAYTON—Dayton Rubber Mfg. Co. (Mechanical)
MINERAL CITY—Progressive Rubber Co. (Hard Rubber Harness Mountings, etc.)
SPRINGFIELD—Springfield Electric Tire Co. (Heels.) (See Springfield Tire & Rubber Co.
Springfield Tire & Rubber Co. (Mechanical Tires & Molded Goods)
Victor Rubber Co. (Mechanical. Tires, etc.)
TOLEDO—National Cement & Rubber Mfg. Co. (Cements. Friction Tapes, etc.)
WARREN—Packard Electric Co. ("Packard" Cables)
YOUNGSTOWN—Republic Rubber Co. (Mechanical, Tires, etc.)

PENNSYLVANIA.

AMBLER—Keasbey & Mattison Co. (Asbestos & Rubber Packings)
BLOOMSBURG—Wirt, Paul E. (Fountain Pens)
ERIE—Continental Rubber Works (Mechanical Tires, etc.
Erie Rubber Works (Molded Work)
Lake Shore Rubber Co. (Mechanical)
JEANNETTE — PENNSYLVANIA Rubber Co. (Mechanical, Tires, etc.) See adv. index, end of book.
MORRISVILLE—Vulcanized Rubber Co. See New York City
PHILADELPHIA—Montgomery Bros. (Inc.) (Garments), 48 N. Fourth
Moore, Alfred F. (Insulated Wires). See N. Y.
National Metal Back Rubber Tiling Co. (Tiling). See N. Y.
Quaker City Rubber Co. (Mechanical) See Akron
White, S. S. Dental Mfg. Co. (Dealers' Supplies), 12th & Chestnut. Factory, Prince's Bay, Borough of Richmond, New York City
PITTSBURG—Standard Underground Cable Co. (Insulated Wires.) Factory, Perth Amboy, N. J.
WILKES-BARRE—Hazard Mfg. Co. (Insulated Wires)
WILLIAMSPORT — Lycoming Rubber Co. (Boots & Shoes), Controlled by U. S. Rubber Co. (See New York City)

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RHODE ISLAND.

BRISTOL—Consumers' Rubber Co. (Insulated Wires)
National India Rubber Co. (Insulated Wires, Footwear, Mechanical Goods, Druggists' Sundries, Carriage Cloth), Controlled by U. S. Rubber Co. (See New York City)
PAWTUCKET—Collyer Insulated Wire Co. (Insulated Wires & Cables, & Rubber Packings)
PHILLIPSDALE—American Electrical Works (Insulated Wires)
PROVIDENCE—Banigan, Jos. Rubber Co. (Footwear), Controlled by U. S. Rubber Co. (See New York City)
Bourn Rubber Co. (Insulated Wires, Footwear, etc.)
Davol Rubber Co. (Druggists' Sundries)
Dunton, M. W. & Co. (Tapes & Insulation)
Mechanical Fabric Co. (Rubber Thread & Card Clothing)
WOONSOCKET—American Wringer Co. (See New York City)
Woonsocket Rubber Co (Footwear), Controlled by U. S. Rubber Co. (See New York City)

WASHINGTON.

SPOKANE—Interstate Rubber Co. (Inc.) (Molded Goods, Valves, Gaskets, etc.)

WISCONSIN.

CUDAHY—Federal Rubber Co. (Tires, Mechanical Goods, etc.)
LA CROSSE—La Crosse Rubber Mills Co. (Mackintoshes, Rubber Clothing, Footwear & Molded Goods)
MILWAUKEE — Osius Chemical Co. (Dental Vulcanite & Dental Specialties)
RACINE—Chicago Rubber Clothing Co. (Mackintoshes, Rubber Clothing, etc.)

Rubber Mfrs. (Mechanical)

(See Index of Contents for all Other Rubber Specialties)

Acme Rubber Mfg. Co., Trenton, N. J.
Boonton Rubber Co., Boonton, N. J.
BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Buckley, Jno. W. Mfg. Co., 69 Warren, New York
Continental Rubber Works, Erie, Pa.
Davidson Rubber Co. (Hard & Soft, Drug, Dental, Surgical & Hospital), Boston, Mass
Dayton Rubber Mfg. Co., Dayton, O.
Elkhart Rubber Works, Elkhart, Ind.
Miller Rubber Mfg. Co., Akron, O.
Canfield, H. O. Co., Bridgeport, Conn.
Cincinnati, Rubber Mfg. Co., Cincinnati, O.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Consolidated Rubber Co., Trenton, N. J.
Consumers' Rubber Co., 1407 W 6th, N W, Cleveland, O.
Continental Rubber Wks., Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Empire Rubber Mfg. Co., Trenton, N. J., & 60 Reade, New York
Eureka Fire Hose Co., 13 Barclay, New York. Works, Jersey City, N. J.
Federal Rubber Co., Cudahy, Wis.
Goodrich, B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
GRISCOM-SPENCER CO., 90 West New York and ft. Washington av., Phila., Pa. (See adv. index & branch offices, end of book)
Gutta Percha Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Co., Trenton, N. J.
Hartford Rubber Works, Hartford, Conn.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York.
Milford Rubber Works, Milford, Ill.
Mineralized Rubber Co., 18 Cliff, New York
Morgan & Wright (Inc.), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
New Jersey Car Spring & Rubber Co., Jersey City, N. J
New York Belting & Packing Co (Ltd.), 91 Chambers, New York
New York Rubber Co., 84 Reade, New York
Peerless Rubber Mfg. Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
PHOENIX SPECIALTY MFG. CO., 40 Duane, New York. (See adv. index, end of book)
Quaker City Rubber Co. (Chas. A. Daniel, Prop.), 629 Market, Phila., Pa.
Revere Rubber Co., 77 Bedford, Boston, Mass.
Rubber Products Co., Barberton, O.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)
Stokes, Jos. Rubber Co., Trenton, N. J.
Trenton Rubber Mfg. Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N J
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Waterbury Rubber Mfg. Co., 75 Warren, New York
Wilkie Rubber Mfg. Co. (Hard & Soft), Saugus, Mass.

Rubber (Mineral)

Standard Asphalt & Rubber Co. ("Sarco), 205 La Salle, Chicago, Ill.

Rubber Molded Goods

(See Rubber Goods, Moulded)

Rubber Packers & Rings

Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Rubber Packing

(See Packing Manufacturers)

Rubber (Reclaimed)

Aladdin Rubber Co., Akron, O.
Alkali Rubber Co., Akron, O.
Appleton, F. H. & Co., 185 Summers, Boston, Mass.
Bloomingdale Soft Rubber Co., Bloomingdale, N. J.
Boonton Rubber Co. (For Hard Rubber Compounds), Boonton, N. J.
Clapp, E. H. Rubber Co., Boston, Mass.
Continental Rubber Works, Erie, Pa.
Danversport Rubber Co., Boston, Mass.
Derby Rubber Co., Derby, Conn.
Eastern Reclaimed Rubber Co., 63 Park Row, New York
Lockport Rubber Works, Lockport, N. Y.
Manufactured Rubber Co., Penna. Bldg., Phila., Pa., Works, Metuchen, N. J.
New Jersey Rubber Co., Lambertville, N. J.
Pequanoc Rubber Co., Butler, N. J.
Philadelphia Rubber Works, Phila., Pa.
Rickaby Rubber Mfg. Co., South Framingham, Mass.
Robinson & Stiles, 140 Pearl, New York
Stockton Rubber Co., Stockton, N. J.
Stokes, Joseph Rubber Co., Trenton, N. J.
S. & L. Rubber Co., Chester, Pa.
Trenton Rubber Reclaiming Works, Trenton, N. J.
U. S. Rubber Reclaiming Works, 127 Duane, New York
Westmoreland Rubber Mfg. Co., Grapeville, Pa.

Rubber Rods & Sheets

Bishop Gutta Percha Co. (Gutta Percha Sheets) 422 E. 25th, New York
Continental Rubber Works (Sheets), Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Morgan & Wright (Inc.) (Rods & Tubing), Detroit, Mich.
Vulcanized Rubber Co., 488 B'way, New York.
Whitehead Bros. Rubber Co. (Pure Sheet Only) Trenton, N. J.
Wilkie Rubber Mfg. Co., Saugus, Mass.

Rubber Saw Bands

BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Pennsylvania Rubber Company

JEANNETTE, PA.

MANUFACTURERS OF

RUBBER GOODS

PNEUMATIC AND SOLID TIRES **HOSE, PACKING, MATTING, GASKETS**

VALVES AND PLUMBERS' GOODS

FRUIT JAR RINGS **INTERLOCKING TILING**

BRANCHES:

NEW YORK, 1741 Broadway CHICAGO, 1241 Michigan Ave. BOSTON, 167 Oliver St.
SAN FRANCISCO, 512 Mission St. Agencies throughout the country.

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Rubber Suits (Pneumatic Pressure)

Goodrich, B. F. Co. (For Oil & Gas Wells), Akron, O.

Rubber Window Cleaners

(See Cleaners, Window)

Rubber & Enamel Carriage Cloth

Consolidated Rubber Co., Trenton, N. J.
Empire Rubber Mfg. Co. (Rubber), Trenton, N. J., & 60 Reade, New York
National India Rubber Co., Bristol, R. I.

Rubbers (Erasive)

(See also Erasers, Various Kinds)

Davidson Rubber Co., Boston, Mass.
Goodrich, B. F. Co., Akron, O.
Mattson Ruber Co., Lodi, N. J.

Rubbers (Fruit Jar)

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Woven Hose & Rubber Co., Cambridgeport, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Cleveland Rubber Wks., Cleveland, O.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Empire Rubber Mfg. Co. (Rubber), Trenton, N. J., & 60 Reade, New York
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Manhattan Rubber Co., 18 Vesey, New York
New York Belting & Packing Co., 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Rubber Products Co., Barberton, O.
SAYEN, OSGOOD, Arcade bldg, Phila., Pa. (See adv. index, end of book)

Rubbing Beds (Stone, Slate, Etc.)

Birmingham Iron Foundry (For Marble, Stone, Slate, Brick & Terra Cotta), Derby, Conn.
FLORY, S. MFG. CO. (With Adjustable Step, Box), Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)
Glover Machine Works (For Marble), Marietta, Ga.
Hinds, Thos., Malone, N. Y.
Lehigh Foundry Co., Fullerton, Pa.
Lincoln Iron Works, Rutland, Vt.
Lord, Bowler & Co., Cleveland, O.
New Albany Mfg. Co., New Albany, Ind.
Patch, F. R. Mfg. Co., Rutland, Vt.

Rulers (Advertising, Wood)

(See Advertising Novelties)

Rulers (School & Desk)

Silver Springs Mfg. Co., Silver Springs, N. Y.
Westcott-Jewell Co., Seneca Falls, N. Y.

Rules

(Under this Heading See Sub-classifications)

Athol Machine Co. ("Standard" Steel), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. (Box Wood, Ivory, Combination, Slope Level, Try Square & Miscellaneous, etc.), Pine Meadow, Conn.
Dietzgen, Eugene Co. (For Draughting Room), 181 Monroe, Chicago, Ill.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa
Eddy, Geo. M. & Co. (For Surveyors, etc.), 345 Classon av., Brooklyn, N. Y.
Forsyth Mfg. Co. (Metal), Buffalo, N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) ("Axiom"), 157 Chambers, New York. (See adv. index, end of book)
Keuffel & Esser Co., 127 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.
Massachusetts Tool Co. (Tempered Steel), Greenfield, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Smith, S. O. (Counting Houses, etc.), Newark, N. J.

SOLTMANN.E.G.
(Architects' & Engineers' Slide; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Stanley Rule & Level Co., New Britain, Conn.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Union Nut & Bolt Co. (Boxwood), 107 Chambers, New York
Upson Nut Co. (Boxwood), Unionville, Conn., & Cleveland, O.

Rules (Caliper)

(See also Calipers)

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. (Boxwood), Pine Meadow, Conn
Humphrey Machine Co., Keene, N. H.

SOLTMANN.E.G.
(also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Stanley Rule & Level Co. (Boxwood, Ivory, etc.), New Britain, Conn
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Rules (Extension)

HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Keuffel & Esser Co., 127 Fulton, New York
Stanley Rule & Level Co., New Britain, Conn.

Rules (Key Seat)

Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Rules (Lumberman's)

Chapin-Stephens Co. (Log Sticks, etc.), Pine Meadow, Conn
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Lufkin Rule Co., Saginaw, Mich.
Smith, S. O. (Wood), Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Upson Nut Co., Unionville, Conn., & Cleveland, O.

Rules (Machine, Divided Steel)

Lufkin Rule Co., Saginaw, Mich.

Rules (Machinists')

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Coffin & Leighton, Syracuse, N. Y.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Lufkin Rule Co., Saginaw, Mich.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Wyke, John & Co. (Steel), 898 Saratoga, E. B., Boston, Mass.

*Rules (Pocket)

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Rules (Scale & Shrinkage)

Brown & Sharpe Mfg. Co., Providence, R. I.
Keuffel & Esser Co., 127 Fulton, New York
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

SOLTMANN.E.G.
(for Metal & Terra Cotta; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Rules (Steel)

Billings & Spencer Co., Hartford, Conn.
Brell, Robt. (Transparent, for Blacksmiths etc.), 117 Locust, St. Louis, Mo.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Cleveland Fillet Co. (Steel Shrink Rules), Cleveland, O.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Forsyth Mfg. Co. ("F.-M.-Co.," "No. 701-33 4"), Buffalo, N. Y.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Keuffel & Esser Co., 127 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.
Massachusetts Tool Co., Greenfield, Mass.
Nichols Mfg. Co. (Framing), Ottumwa, Ia.
Peck, Stow & Wilcox Co., Southington, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Smith, Ernst G. Co. ("Columbia," 6 inch Columbia, Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Rules (Steel, Metric)

Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Stanley Rule & Level Co., New Britain, Conn.

Rules (Tinners')

Lufkin Rule Co., Saginaw, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.

Rungs (Ladder)

Oliver Iron & Steel Co. (Steel), Pittsburg, Pa.

Rust Preventives

Houghton, E. F. & Co. ("Cosmic" & White Slushing Oil), 240 W Somerset, Phila., Pa.
Melville, F. L. ("McMville's Standard"), 100 Front, New York
PECORA PAINT CO. (S. Bowen's Son, Successor) ("Pecora"), 4th st & Reading R. R., Phila., Pa. (See adv. index, end of book)
Sonneborn, L. Sons (Inc.) ("Amalie"), 30 Pearl, New York

Rustic Woodwork

Pierce, W. E. & Co., Milford, N. H.
Siebrecht & Son, 425 5th av, New York
Van Gorden, D. P., Orange, N. J.

Rustic Work (Terra Cotta)

Cincinnati Sewer Pipe Co., c Elm & West, Cincinnati
Streator Clay Mfg. Co., Streator, Ill.

Saccharometers

Phila. Thermometer Co., Arch & 9th, Philadelphia
Schaeffer & Budenberg Mfg. Co. ("Kaiser"), 963 Kent av., Brooklyn

Sacks (Ore)

Bemis Bros. Bag Co., St. Louis, Mo.
Hoexee, Wm. H., Co., Inc., 140 S. Main, Los Angeles

Sacks (Paper, Cement & Flour)

Phillips, Thos. Co., Akron, O.

Sad Irons

American Electrical Heater Co. (Electric), 36 State, Detroit, Mich.
American Foundry & Mfg. Co. ("Twin" Common), St. Louis, Mo.
American Skein & Foundry Co. (Also Flat Irons), Racine, Wis.
Barr, W. J. Electric Mfg. Co. ("Barr" Electric), Cleveland, O.
Blacklock Foundry Co., 80 Pittsburg, Pa.
Bless & Drake ("Potts" Cold-Handle, Heating Charcoal, etc.), Newark, N. J.
Chattanooga Implement & Mfg. Co. ("Potts" & Common), Chattanooga, Tenn.

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Colebrookdale Iron Co., Pottstown, Pa.
Dover Mfg. Co. ("Par Excellence," Asbestos), Canal Dover, O.
Durant, W. N. Co. ("Watson" Electric), Milwaueke, Wis.
Electric Heating & Mfg. Co. (Electric), Los Angeles, Cal.
Electric Sad Iron Co. (Electric), Detroit, Mich.
Enterprise Mfg. Co. ("Enterprise"), 3d & Dauphin, Phila., Pa.
Eureka Alcohol Utilities Co. ("Eureka" Alcohol), Real Estate Trust bldg., Phila., Pa.
Genessee Valley Mfg. Co., Mount Morris, N.Y.
Germania Electric Co. ("Universal" Electric), 154 Nassau, New York
Griswold Mfg. Co., Erie, Pa.
Guaranty Elec. Heater Co. (Electric), Cleveland, O.
Harwood Elec. Heating Co. (Electric), Hutchinson, Kan.
Hawler Mfg. Co. ("Peerless" Denatured Alcohol Revolving Self-Heating), Montgomery, Ala.
Illinois Electric Co. ("American" Steel Clad Electric), 239 Madison, Chicago, Ill.
Illinois Iron & Bolt Co. (Also Tailors' Irons), Carpentersville, Ill.
Mudd Mfg. Co., Hanson Pk, Chicago, Ill.
National Electric Heating Co. (Electric, Domestic, Laundry & Tailors'), Cambridge, Mass.
Ober Mfg. Co., Chagrin Falls, O.
Ohio Electric Works (Electric), 6304 Ellen av., N. W., Cleveland, O.
Pacific Electric Heating Co. ("Pacific." "World's Best," "Hot Point" Electric), Ontario, Cal.
Patent Sad Iron Mfg. Co., Reading, Pa.
Pease Mfg. Co., Cincinnati, O.
Pullman Mfg. Co. ("Sensible"), Rochester, N. Y.
Schlueter, M. L. (Denatured Alcohol, Self-Heating), 36 Canal, Chicago, Ill.
Simplex Electric Heating Co. (Electric), Cambridge, Mass.
Southern Skein & Foundry Co. (Also Tailors' Irons), Chattanooga, Tenn.
Union Mfg. Co., Boyertown, Pa.
United Steel Co., Canton, O.
WESTINGHOUSE ELECTRIC & MFG. bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Williams, A. C. Co., Ravenna, O.
Wrightsville Hardware Co. (Cold Handles, "Mrs. Beht's Improved Ladies' Pride"), Wrightsville, Pa.

Sad Irons (Electric)

(See Firms in Sad Irons, with the Word Electric Following Their Name)

Saddles (Bicycle)

Graton & Knight Mfg. Co. (Leather), Worcester, Mass.

Saddles (Car Roof, for Running Board)

Dayton Malleable Iron Co., (Malleable Iron), Dayton, O.

Saddles (Pipe)

AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av., Chicago, Ill. (See adv. index & branch offices, end of book)
Dayton Pipe Coupling Co., Dayton, O.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
National Tube Co. (Double Wrought Strap), Pittsburg, Pa.

Saddles (Roof)

Cold Water Specialty Mfg. Co., Coldwater, Mich.

Safe Ends (Boiler Tube)

National Tube Co., Pittsburg, Pa.

Safes (Express Car)

HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av., Cincinnati, O.
Herring-Hall-Marvin Safe Co., 400 B'way, New York. Works, Hamilton, O.

Safes (Fire & Burglar Proof)

(For All Other Safe Manufacturers See Bank Vaults)

Alpine Safe & Lock Co., Cincinnati, Ohio
Atlas Mfg. Co., Fostoria, O.
Barnes, R. L. Safe & Lock Co., Richmond, Va.
Barnes Safe & Lock Co., Pittsburg, Pa.
Baum, J. Safe & Lock Co., Cincinnati, O.
Cary Safe Co., Buffalo, N. Y.
Diebold Safe & Lock Co., Canton, O., & 30 Reade, New York
Ely-Norris Safe Co., Perth Amboy, N. J.
HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av., Cincinnati, O.
Herring-Hall-Marvin Safe Co., 400 B'way, New York; Works: Hamilton, O.
Macneale & Urban Co., Hamilton, Ohio
Manganese Steel Safe Co., 371 B'way, New York
Mellink Mfg. Co. (Home Deposit Vaults), Toledo, O.
Miller Safe Co., Baltimore, Md.
Morris-Ireland Safe Co., Boston, Mass.
Mosler Safe Co. Main Office & Works, Hamilton, O.
Naeher Safe & Lock Co., Cincinnati, Ohio
National Safe & Lock Co., Cleveland, O.
Norris Safe & Lock Co., Seattle, Wash.
Remington & Sherman Co., 359 B'way, New York
Stiffel & Freeman, 723 Chestnut, Phila, Pa
Victor Safe & Lock Co., Cincinnati, O.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Waltz Safe & Lock Co., San Francisco, Cal.
York Safe & Lock Co., York, Pa.

*Safes (House).

HALL'S SAFE CO., Main Office and Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)

Safes (Match)

Buffalo Mfg. Co., Buffalo, N. Y.
Carrington & Co. (Pocket), Newark, N. J.
Dayton Co. ("Lusk"), 438 Plymouth av., Buffalo, N. Y.
Forsyth Mfg. Co. ("No. 804"), Buffalo, N. Y.

Safes (Receiving)

(For Street Railway Conductors' Trip Returns)
HALL'S SAFE CO., Main Office and Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Littleford Bros., 453 E Pearl, Cincinnati, O.

Safety Deposit Boxes

HALL'S SAFE CO., Main Office and Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)
Herring-Hall-Marvin Safe Co., 400 B'way, New York; Works: Hamilton, O.
Mosler Safe Co., Canton, O.
National Safe & Lock Co., Cleveland, O.
Thomas-Peter Co., Canton, Ohio.
York Safe and Lock Co., York, Pa.

Safety Water Columns

(See Water Columns, Safety)

Sails (Yacht)

Baker, H. H. & Co., 18 Terrace, Buffalo, N. Y.
CARPENTER, GEO. B. & CO., 202 S Water Chicago, Ill. (See adv. index, end of book)
Chandler, F. & Son, Savannah, Ga.
Cousens & Pratt, 410 Atlantic av, Boston.
Folsom, F. W. & Co., 2 Planet, Providence, R. I.
Goss, J. C. Co., 18 Woodward av, Detroit, Mich.
Hemingway, S. & Son, 54 South, New York
Herreshoff Mfg. Co., Bristol, R. I.
Jones & Robinson, 83 Front, New York
Morton, Rob't E., 26 South, New York
Pease, L. F. & Co., 7 Crawford, Providence, R. I.
Upson-Walton Co., 155 River, Cleveland, O.
McClellan, Chas. P., Fall River, Miss.
Wilson & Griffin, 53 South, New York
Wilson & Silsby, Rowe's Wharf, Boston, Mass
Wilson, R. M., Port Jefferson (L. I.), N. Y.

Salamanders

CARLIN'S, THOMAS SONS & CO., 1610 River av, North Side, Pittsburg, Pa. (See adv. index, end of book)
Durlach, I. ("Mason's"), 54 Vesey, New York
Eagle Iron Works, 850 DeKalb av, Brooklyn, N. Y.
Honhorst, Joseph, Co., Cincinnati, O.
Keller, A. E. (Masons'), 130 Beekman, New York
Littleford Bros., 453 E Pearl, Cincinnati, O.
Union Elevator & Machine Co., 144 Ontario, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Salamandorite

Johns, H. W.-Manville Co. (A New Fireproof Paneling for Interior Decorative Work), 100 William, New York

Sal-Ammoniacs

Allen, L. B. Co. (Battery & Commercial Brands), 1335 Columbia av, Chicago, Ill.
Barrett Mfg. Co., Land Title bldg, Phila, Pa.
Cochrane Chemical Co., Boston, Mass.
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Roessler & Hasslacher Chemical Co., 100 William, New York
Tennant Sons & Co. (Importers), 76 William, New York
Thomsen Chemical Co., Baltimore, Md.
Wiarda, John C. & Co., Brooklyn, N. Y.

Sal-Soda

American Chemical Co., Cincinnati, O.
Church & Dwight Co. (Also Concentrated Sal-Soda), 63 Wall, New York
Grasselli Chemical Co., The Arcade, Cleveland, O., & 63 Wall, New York
Penna. Salt Mfg. Co., 115 Chestnut, Phila., Pa.
Wiarda, John C. & Co., Brooklyn, N. Y.

Salt Cake

Contact Process Co., Buffalo, N. Y.
Grasselli Chemical Co. (For Glass Makers), Cleveland, O., & 63 Wall, New York
Penna. Salt Mfg. Co. (For Glass Makers), 115 Chestnut, Phila., Pa.

Salt Mfrs.

Barton Salt Co., Hutchinson, Kan.
Beck, J. A. & Co., Allegheny, Pa.
Bevis Rock Salt Co., 421 Olive, St. Louis, Mo.
Bliss & Van Auken, Saginaw, Mich.
Brand & Hardin Milling Co., Saginaw, Mich.
Buckeye Salt Co., Pomeroy, O.
Butters Salt & Lumber Co., Buttersville, Mich.
Cady & Johnson, Syracuse, N. Y.
Carey Salt Co., Hutchinson, Kan.
Cleveland Salt Co., 2295 Ashland rd, Cleveland, O.
Colonial Salt Co., Akron, O.
Colorado Salt Co., Colorado, Tex.
Continental Salt & Chemical Co., 116 Battery, San Francisco, Cal.
Crystal Flake Salt Co., Marine City, Mich.
Desert Crystal Salt Co., White Plains, Nev.
Detroit Salt Co., Penobscot bldg, Detroit, Mich.
Diamond Crystal Salt Co., St. Clair, Mich.
Dickinson, J. Q. & Co., Malden, W. Va.
Eastern Salt Co., 180 State, Boston, Mass.
Ellsworth Salt Co., Ellsworth, Kan.
Empire Conrse Salt Co., Syracuse, N. Y.
Grand Saline Salt Co., Grand Saline, Tex.
Hardin, D. Co., Saginaw, Mich.
Hartford City Salt Co., Hartford, W. Va.
Hutchinson Kansas Salt Co., Hutchinson, Kan.
Independent Salt Co., 207 Duane, New York
Inland Crystal Salt Co., Salt Lake City, Utah
International Salt Co. (of Ill.), R'y Exch bldg, Chicago, Ill
International Salt Co. (of New Jersey), 2 Rector, New York
International Salt Co. (of New York), Scranton, Pa.
Iroquois Salt Co., Buffalo, N. Y.
Kingman Salt Mining Co., Kingman, Kan.
Ludington Salt Co. (of Milwaukee), Milwaukee, Wis.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Michigan Salt Ass'n, Bay City, Mich., & Saginaw, Mich.
Myles Salt Co. (Ltd.), 100 Common, New Orleans, La., & Weeks, La.
North American Chemical Co., Bay City, Mich.

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Ohio Salt Co., Wadsworth, O., & 17 Hudson, New York
Pennsylvania Salt Mfg. Co., Natrona, Pa., & 115 Chestnut, Phila., Pa.
Port Huron Salt Co., Port Huron, Mich.
Rock Glen Salt Co., Warsaw, N. Y.
Salina Coarse & Fine Salt Co., Syracuse, N. Y.
Salina Solar Coarse Salt Co., Syracuse, N. Y.
Snow Flake Salt Co., 113 Fulton, New York
Stagel Salt Co., Pomeroy, O.
Standard Salt Co., Los Angeles, Cal.
Standard Salt & Cement Co., Duluth, Minn.
Stearns, Justus, Ludington, Mich.
Stearns Salt & Lumber Co., Ludington, Mich.
Sterling Salt Co., 23 Beaver, New York
Union Ice & Salt Co., Hutchinson, Kan.
Union Salt Co., Cleveland, O.
Wadsworth Salt Co., Wadsworth, O.
Watkins Salt Co., Watkins, N. Y.
Western Rock Salt Co., 421 Olive, St. Louis, Mo.
Western Salt Co., San Diego, Cal.
White, A. C., Saginaw, Mich.

Salt Well Machinery

(See Machinery, Salt Well)

Saltpetre

Battelle & Renwick (Refined), 163 Front, New York
Harshaw, Fuller & Goodwin Co., Cleveland, O.

Salts (Chemical)

Baker & Adamson Chemical Co. ("C. P."), Easton, Pa.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Merrimac Chemical Co. ("Glauber's"), Boston, Mass.

Salts (Copper)

Hanson & Van Winkle Co., Newark, N. J.

Salts (Nickel)

Hanson & Van Winkle Co., Newark, N. J.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Wiarda, John C. & Co., Brooklyn, N. Y.

*Salts (Platinum)

AMERICAN PLATINUM WKS, Chestnut st & N. J. R. R. av, Newark, N. J. (See adv. index, end of book)

Samplers (Grain)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.

Samplers (Ore)

Braun, F. W., Los Angeles, Cal.
Denver Engineering Works Co., Denver, Col.
Traylor Engineering Co., Allentown, Pa.

*"Sanaloid" Interior White

SANALOID, 930 N. 3rd, Phila., Pa.

*Sand Blast Equipment

SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, Cleveland, O. (See adv. index, end of book)

Sand Blast Machines

(See Machines, Sand Blast)

Sand Boxes

(See Boxes, Sand)

*Sand Boxes (Golf Course)

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

*Sand Excavating & Screening Plants (Portable)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Sand (Glass Makers')

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Berkeley Springs Sand Co., Continental Trust bldg, Baltimore, Md.
Bidwell, R. O., South Vineland, N. J.
Brenan, J. T., Robinson, Md.
Crystal Sand Co., Bridgeton, N. J.
Derry Glass Sand Co., Latrobe, Pa.
Glass Sand Co., Emlenton, Pa.
Holland Stone & Glass Sand Co., Holland, O.
Kentucky Silica Co., Louisville, Ky.
Pennsylvania Glass Sand Co., 341 4th av, Pitts-
Reynolds, E. J. & Co., Utica, Ill. burg, Pa.
Selling Co. (Inc.), 225 5th av., New York
Severn River Glass Sand Co., Phila. Bourse, Phila., Pa.
Tavern Rock Sand Co., St. Louis, Mo. Mills, Klondike, Mo.
Toledo Stone & Glass Sand Co., Toledo, O.
Vineland Glass Sand Co., Bridgeton, N. J.
Winfield Sand Co., 421 Wood, Pittsburg, Pa.
Wister, L. & R. & Co., Bullitt bldg, Phila., Pa.

Sand Handling Plants

Heyl & Patterson, Pittsburg, Pa.
Interstate Engineering Co., Bedford, O.

Sand Mixer & Screen (Combined)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Standard Sand & Machine Co., 1509 St. Clair, Cleveland, O.

Sand Molding Machines

(See Molding Machines, Foundry)

Sand (Molding or Foundry)

(See also Foundry Facings & Supplies)

American Sand Co., Columbus, O.
Albany & North River Molding Sand Co., Albany, N. Y
Ayres Mineral Co., Zanesville, O.
Ballou's White Sand Co. (White), Wellington,
Beson Bros. Sand Co., Ottawa, Ill. Ill.
Bidwell, R. O., South Vineland, N. J.
Bloomfield Clay Co., Metuchen, N. J.
Brown, I. K., Zanesville, O.
Buckeye Sand Co., Pittsburg, Pa.
Debolt Bros. Sand Co., Ottawa, Ill.
Evers, Jno., Waterford, N. Y.
Garden City Sand Co., Chamber of Commerce bldg., Chicago, Ill.
Hafer Sand Co., Newport, Ky.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Illinois Valley Sand Co. (Cleaned & Dried) Ottawa, Ill.
Interstate Sand Co., Cleveland, Ohio.
Kentucky Silica Co., Louisville, Ky.
Lake Shore Sand Co., 138 Wash'n, Chicago, Ill.
McKinney Sand Co., Zanesville, O.
Mont Alto Sand Co., Waynesboro, Pa.
Newport Sand Bank Co., Newport, Ky.
New York Sand Facing Co., 106 Grand av, Brooklyn, N. Y.
Obermayer, S. Co., 647 Evans, Cincinnati, O.
Ohio Sand Co., Conneaut, O.
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Paxson, J. W. Co., 1021 N Delaware av.
Pettinos Bros., Bethlehem, Pa. Phila., Pa.
Rapp, A. P. Co., Phillipsburg, N. J.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd. N W. Cleveland, O. (See adv. index, end of book)
Standard Sand & Machine Co., Cleveland, O.
Tuscarawas Sand Co., New Cumberland, O.
Valentine, H. D. & Bro. (Core Sand), Woodbridge, N. J
Waldo Bros., 102 Milk, Boston, Mass.
Webster Foundry Sand Co., 961 N Del. av. Phila., Pa
Whitehead Bros. Co., 537 W. 27th, New York.
Wister, L. & R. & Co., Bullitt bldg, Phila., Pa.

Sand Paper Mfrs.

American Glue Co. ("Union," Flint, etc.), 121 Beverly av, Boston, Mass.
Armour & Co., 205 La Salle, Chicago, Ill.
Baeder, Adamson & Co., 210 Chestnut, Phila., Pa.
Barton, H. H. & Son Co. (Inc.), 222 Market, Philadelphia, Pa.
Behr, Herman & Co., 75 Beekman, New York.
Boston Flint Paper Co., Hallowell, Me.
Coryell Flint Paper Co., Williamsport, Pa.
Union Sand Paper Co., Walpole, Mass.
U. S. Sandpaper Co., Williamsport, Pa.
Waddell, R. J. & Co., 52 Beekman, New York
Wausau Sandpaper Co., Wausau, Wis.

Sand (Pure White)

Columbia Brick & Plaster Co. (For Plaster, Scouring Soap & for Filler, etc.), North East, Md.

Sand Rammers

(See Rammers, Foundry; also Rammers, Pneumatic)

*Sand (Sand Blast)

SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd, Cleveland, O. (See adv. index, end of book)

Sand Sifters

Battle Creek Interior Finish Co. (Ltd.), ("Battle Creek"), Battle Creek, Mich.
Brass Founders Supply Co. (For Brass Founders), Newark, N. J.
Chicago Pneumatic Tool Co. ("Chicago"), Fisher bldg, Chicago, Ill.
Deane Steam Pump Co. (Pneumatic), Holyoke, Mass.
Dodge Mfg. Co., Mishawaka, Ind.
Gould & Eberhadt (Automatic for Foundries), Newark, N. J.
Hanna Engineering Works, 825 Elston av., Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Horton Mfg. Co., Painesville, O.
Killing, E. Molding Machine Works ("Killing" Rollover Straight Drop), Davenport, Ia.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
NORTHERN ENGINEERING WKS., Detroit, Mich. (See adv. index, end of book)
Obermeyer, S. Co., 647 Evans, Cincinnati, O.
Paxson, J. W., Co., 1021 No. Delaware av., Phila., Pa.
Standard Sand & Machine Co. ("Standard" Adjustable Portable), Cleveland, O.
Turner Machine Co. (Portable Motor Driven), 2049 N. 2d, Phila., Pa.
United States Chaplet & Supply Co., 140 Cedar, New York
WHITING FOUNDRY EQUIPMENT Co. (Rotary, etc.), Harvey, Ill. (See adv. index & branch offices, end of book)

*Sand (Silica)

Ballou's White Sand Co. (Clean White), Millington, Ill.
Bean, Francis M. (Silica Rock Fire Sand), Valley Forge, Pa.
Central Silicia Co., Zanesville, O.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Everhard Co., Massillon, Ohio.
Garden City Sand Co. (Also White), Chamber of Commerce bldg., Chicago, Ill.
Haedrich, E. M., 311 Walnut, Phila., Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Kentucky Silica Co., Louisville, Ky.
Ligonier Silica Brick Co., Oakmont, Pa.
National Mining & Milling Co., Continental Trust bldg, Baltimore, Md.
Ottawa Silica Co. (Washed White Flint Sand), Ottawa, Ill.
Penn, Wm., Silica Works, William Penn P. O., Phila., Pa.
Pennsylvania Glass Sand Co. (White Rock), 341 4th av, Pittsburg, Pa.
Pettinos Bros. ("Millville"), Bethlehem, Pa.
Red Wing Filter Sand Co., Red Wing, Minn.
Temple Sand Co., Reading, Pa.
U. S. Silica Co. (Washed White Flint Sand), 125 Monroe, Chicago, Ill., & Ottawa, Ill.
Warner, Chas. Co., Wilmington, Del., & Land Title bldg., Phila., Pa.
Winfield Sand Co., 421 Wood, Pittsburg, Pa.
Wister, L. & R. & Co., Bullitt bldg, Phila., Pa.

Sand Washers

Power & Mining Machinery Co., Cudahy, Wis.
RANSOME CONCRETE MACHINERY CO., Dunellen, N. J. (See adv. index & branch offices, end of book)

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Sand & Gravel Dealers

Acme Sand Co., ft of Mill, Baltimore, Md.
AMERICAN CEMENT CO., (Concrete Fire, Roofers', Glassmakers' Sand, etc.), 80 William, New York. (See adv. index, end of book)
American Sand Co., Baltimore, Md.
American Sand & Gravel Co., Chamber of Commerce bldg., Chicago, Ill.
Ballou's White Sand Co. (Clean White Sand), Millington, Ill.
Banner Coal & Sand Co., 4560 Audubon av, St. Louis, Mo.
Bean, Francis M. (Fire), Valley Forge, Pa.
Bedford & Nugent, Evansville, Ind.
Berkley Sand Co., Berkley Springs, W. Va.
Bidwell, R. O. (Glass, Furnace, Kiln Dried & Placing Sand & Gravel), South Vineland, N. J.
Bos, John N., 473 Chrystal, Chicago, Ill.
Brooks, Wm. Son Co., 615 W 49th, New York
Brunswick Gravel Co., Brunswick, Tenn.
Builders' Sand Co., Kansas City, Mo.
Campbell, Bernard & Co., 268 W. 34th, New York
Clarke, Wm. Wirt & Sons, 115 S Gay, Baltimore, Md.
Chicago Gravel Co., 279 Dearborn, Chicago, Ill.
Clarke, Wm. Wirt & Son, Monument and Forrest, Baltimore, Md.
Connellsville White Sand Co., Connellsville, Pa.
Colorado Sand & Gravel Co., Stock Ex. bldg, St. Louis, Mo.
Davis, John A., Boston, Mass.
De Frain Sand Co., Otis Wharf, Phila., Pa.
DeGrott, Jas. J. A., Jonesgpoint, N. Y.
Detwiler Sand Co. (Dealers), York, Pa.
Dolese Bros. Co. (Kaw River Sand), 78 La Salle st., Chicago, Ill.
Donnelly & Dovey Construction Co., Union Trust bldg, Cincinnati, O.
Enterprise Sand & Gravel Co., Quincy, Ill.
Everhard Co., Massillon, Ohio
Flanagan Bros., Kansas City, Mo.
Fox & Holloway, 252 Pearl, Buffalo, N. Y.
Fox River Sand Co. (Sand), Welden, Ill.
Garden City Sand Co., Chamber of Commerce bldg., Chicago, Ill.
Godfrey, N. W., Port Eaton, N. Y.
Goodwin Sand & Gravel Co., 71 B'way, New York
Haedrich, E. M., 311 Walnut, Phila., Pa.
Halliday, H. H. Sand & Gravel Co., Cairo, Ill.
Hatfield & Phillips, Alexandria, Pa.
Homegardner Sand Co., Sandusky O.
Illinois Valley Sand Co. (Cleaned & Dried Sand). Indiana Gravel Co., Attica, Ind. Ottawa, Ill.
Ingram, W. T., Jeffersonville, Ind.
Iron City Sand Co., Westinghouse bldg, Pittsburg, Pa.
Keating, J. L. & Co., 236 E. 35th, New York
Kelley Island Lime & Transport Co. (Washed Sand, etc.), Cleveland, Ohio
King, J. B. & Co., 1 B'way, New York
Lake County Gravel Co., 4 Sherman, Chicago.
Lake Erie Sand Co., Sandusky, O. Ill.
Lake Shore Sand Co., 138 Wash'n, Chicago, Ill.
McKallip & Co., Pittsburg, Pa.
Manasquan Granite Co., Asbury Park, N. J.
Meramec Portland Cement & Material Co., St. Louis, Mo.
Metropolitan Sand Co., Kansas City, Mo.
Millington White Sand Co., Millington, Ill., & Cleveland, O.
Millwood White Sand Co. (White), Jackson, O.
Mont Alto Sand Co., Waynesboro, Pa.
Mound City Gravel, Material & Contracting Co., Holland bldg, St. Louis, Mo.
Murray & Co. (Rockaway), 263 Av C, New York
Murray & Reid Co., 17 State, New York
N. Y. Sand & Gravel Co., 320 B'way, New York
Nyack Trap Rock Co., Nyack, N. Y.
O'Brien Bros. (Gravel), 54 South, New York
Ohio River Sand Co., Louisville, Ky.
Pangborn, Thos. W. Co. (Sand), 90 West, New York.
Peoples Bros. (Bar, White & Washed). 2508 Callowhill, Philadelphia, Pa.
Perryville Gravel Co., Perryville, Tenn.
Perth Amboy Fire Brick Co. (Building Sand). 42 Bway, New York, & Perth Amboy, N. J.
Pfaffin, August Gravel Co. (Gravel Pit). Evansville, Ind.
Phoenix Towing & Transportation Co., 17 State,
Pierson, Dudley, Springfield, O. New York
Pioneer Sand Co. (River Sand, etc.), St. Joseph, Mo.
Purdy, A. F. & Co. (Glass Sand), Bernhards
Quincy Sand Co., Quincy, Ill. Bay, N. Y.
Reynolds, E. J. & Co. (Building Sand), Utica, Ill.
Richards & Goddard (Filter Sand), Holyoke, Mass.
Richardson Sand Co., 138 Wash'n, Chicago, Ill.
Rockford Sand & Gravel Co., Rockford, Ill.
Rock Island Sand Co., Rock Island, Ill.
Rodgers Sand Co., 321 Water, Pittsburg, Pa.
Roland Park Co., Roland Park, Md.
Schmidt, C. August, 1539 La Fayette Parkway, Chicago, Ill.
Sherman & Martin, Lowell, Mass.
Shoemaker, Reed & Co., Greensburg, Pa.
Smith, Clarence L. Co., 11th av & 30th, New York
Squier, Ed. E. & Co., Bank of Commerce bldg., St. Louis, Mo.
Standard Sand Co., Altoona, Pa.
Standard Sand & Machine Co., 1509 St. Clair, Cleveland, O.
Stewart-Peck Sand Co., Kansas City, Mo.
Tecumseh Gravel Co., Tecumseh, Mich.
Thomas, Hugh Co., 340 E 64th, New York
Union Sand & Material Co., St. Louis, Mo.
Vanderbilt, Jacob, 7th St. Dock, Hoboken, N J
Warner, Chas. Co., Wilmington, Del.
Webster Foundry Sand Co., 961 N Delaware av, Phila., Pa.
Whitehead Bros. Co., 537 W 27th, New York
Winfield Sand Co., 421 Wood, Pittsburg, Pa.
Wister, L. & R. & Co., Bullitt bldg, Phila.
Yowler, C. D., Connellsville, Pa. Pa.

Sand & Gravel Heaters & Dryers

(See also Dryers, Various Kinds)

American Process Co. (Street Railway), 62 William, New York.
CANTON BOILER & ENGINEERING Co., Canton, Ohio. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Cummer, F. D. & Son Co., The Arcade, Cleveland, O.
Handlan-Buck Mfg. Co. ("Champion"), 212 N 3d, St. Louis, Mo.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Honhorst, Joseph, Co. (Gravel Dryers), Cincinnati, O.
Horton Mfg. Co. (Sand Dryers), Painesville, O.
Iroquois Iron Works, Buffalo, N. Y.
Littleford Bros., Cincinnati, O.
Indiana Foundry Co., Ltd ("Sutton" Drier), Indiana, Pa.
Martin, Henry, Brick Machine Mfg. Co. (Sand Dryers), Lancaster, Pa.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
Parkhurst & Wilkinson Co. ("Clark" & "Perfection"), 143 Kinzie, Chicago, Ill.
Pioneer Iron Wks., 149 Pioneer, Brooklyn, N. Y.
Pollock, Alex. Co., 203 West, New York
RUGGLES-COLES ENGINEERING CO. (Dryers), 39 Cortlandt, New York. (See adv. index, end of book)
Schalkenbach & Budke (Gravel Heaters), Jersey City, N. J.
Standard Sand & Machine Co., 5157 St. Clair, Cleveland, O.
Stuebner, G. L., Long Island City, N. Y.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Universal Road Machinery Co., 120 Liberty, New York
Wellington Machine Co., Wellington, O.
Zelnicker, Walter A., Supply Co. ("Zelnicker" Handy), St. Louis, Mo.

Sanders (Track)

(See Locomotive Sanders)

Saponifier

Penna. Salt Mfg. Co., 115 Chestnut, Phila., Pa.

Sash Balance Mfrs.

Buettner Sash Lock Co., 1550 Pleasant, Cincinnati, O.
Caldwell Mfg. Co., Rochester, N. Y.
Coleman Hardware Co. ("The Shumard"), 168 Michigan av, Chicago, Ill.
Edwards, O. M. Co. (Railroad Car, also Tin Barrel Spring), Syracuse, N. Y.
Gardner Sash Balance Co., 164 Dearborn, Chicago, Ill.
International Lock Co. ("The Lorix"), Providence, R. I.
National Lock Washer Co., 65 Johnson, Newark,
Pullman Mfg. Co., Rochester, N. Y. N. J.
Radel Sash Balance & Lock Co. ("Radel" Sash Balance & Lock), 738 State av, Cincinnati, O.
Rochester Sash Lock Co., Rochester, N. Y.
Schriber, O. P. & Co. ("I X L"), 208 Elm, Cincinnati, O.
Stearns, E. C. & Co. ("Vanderbilt"). Syracuse, N. Y.

*Sash Bars (Steel)

BRAUN, J. G. (Plain & Ornamental), 222 S Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

S. E. HENDRICKS CO.,
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NEW YORK, N. Y.

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Sash Bolt & Support

Smith & Egge Mfg. Co. ("Kings"), Bridgeport, Conn.

Sash Bolts (Ventilating)

Gardner Sash Balance Co., 164 Dearborn, Chicago, Ill.

Sash Cord Mfrs.

American Mfg. Co. (Hemp), 63 Wall, New York.
Anniston Cordage Co. (Braided), Anniston, Ala.
Bailey, John T. & Co., c Water & Morris, Phila., Pa.
CARPENTER, GEORGE B. & CO. ("Anneston" Braided Cotton), 202 S Water Chicago, Ill. (See adv. index, end of book)
Charlotte Cordage Co. (Braided), Charlotte, N. C.
Draper, W. H. & Son (Twisted Cotton), Troy, N. Y.
Estes Mills (Inc.), Fall River, Mass.
Faber, Thos. & Son, Weston, Mass.
Franklin Cotton Mill Co., Charles & Plum, Cincinnati, O.
Fricke, J. E. Co. ("Jefferson" Solid Braided), 247 Market, Phila., Pa.
Hoffman-Corr Mfg. Co., 107 Duane, New York
Hooven & Allison Co., Xenia, O.
Mallison Braided Cord Co., Athens, Ga.
Ossawan Mills Co., Norwich, Conn.
Paton, Wm. (Ltd.), North Grafton, Mass.
SAMSON CORDAGE WORKS (Braided, etc.), 88 Broad, Boston, Mass. (See adv. index, end of book)
Schlichter Jute Cordage Co. (Jute), 20 N. Front, Phila., Pa.
SILVER LAKE CO. (Braided, etc.), 78 Chauncy, Boston, Mass. (See adv. index. end of book)
Travers Twine & Cordage Co., 261 Broadway, New York
TUCKER & CARTER ROPE CO. ("Stanly" Braided Cotton Sash Cord), 76 South, & 167 Maiden La., New York. (See adv. index, end of book)
Wall Rope Works, 56 South, New York
Ware, Bruce R. & Co., 116 Bedford, Boston.
Whittier-Mills Co., Chattahooche, Ga.

*Sash Cord Mfrs. (Steel Wire)

AMERICAN STEEL & WIRE CO. (Tinned & Coppered), Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Sash (Greenhouse & Hot Bed)

Hyde-Murphy Co., Ridgway, Pa.
Jacobs, S. & Sons, 1365 Flushing av, Brooklyn.
Lochland Lumber Co., Lochland, O.
Lord & Burnham Co., 1133 B'way, New York
Selden Cypress Door Co., Palatka, Fla.
Smith, Jos M. Co., 15 Nassau, Newark, N. J.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Woodbury Mill Lumber Co., Woodbury, N. J.

Sash Hangers (Storm)

Phenix Mfg. Co. ("Phenix"), Humbold av., cor Centre, Milwaukee, Wis.
Schroeder, Anton ("Peerless"), 873 Dayton av, St. Paul, Minn.
STANLEY WKS. ("Schroeder-Peerless," Hanger & Fastener), New Britain, Conn. (See adv. index & branch offices, end of book)
Watrows, E. L. Mfg. Co. (Hanger & Screen Hinge Combined), Des Moines, Iowa.
Willer Mfg. Co., 313 Cedar, Milwaukee, Wis.

Sash Holders

Automatic Sash Holder Co., 277 B'way, New York
Hart Sash Holder Co. (Hart Anti-Rattler), Lexington, Mo.

Sash Lifts

(See Lifts, Sash)

Sash Line

(See Sash Cord Manufacturers)

Sash Locks

(See Lock Manufacturers, Sash)

Sash Locks (Ventilating)

(See Lock Manufacturers, Sash Ventilating)

Sash (Metallic)

(See Window Frame & Sash, Metallic)

Sash Opening Apparatus

(See Sash Operating Device; also Ventilating Apparatus for Power Houses, Etc.)

Sash Operating Device

American Skylight & Iron Works, 221 Randolph, Jersey City, N. J.
Dearborn Hardware Mfg. Co. ("Standard," "Ideal," "Reliance" & "Triumph" Roller Bearings), 1344 Carroll av, Chicago, Ill.
Detroit Steel Products Co. ("Fenestra"), Detroit, Mich.
DROUVE, G. CO., Bridgeport, Conn. & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)
Hitchings & Co., 1170 B'way, New York
Lord & Burnham Co., 1133 B'way, New York
Ormsby, E. A., 10 Thacher, Boston, Mass.
Payne, John A., 260 Culver av., Jersey City, N. J.
Thorn, J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.
Wolf Machine Co., 329 W. River, Dayton, O.

Sash Pulley Mfrs.

Austin & Eddy, 117 Broad, Boston, Mass.
Baltimore Sash Pulley & Hardware Co. (Ball Bearing), Baltimore, Md.
Bridgeport Sash Pulley Co. (All Steel), Grand Rapids, Mich.
Clark Mfg. Co., 260 Chandler, Buffalo, N. Y.
Coleman Hardware Co., 168 Michigan av., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Enterprise Foundry Co., Pittsburg, Pa.
Gardner Sash Balance Co. (Ball Bearing), 164 Dearborn, Chicago, Ill.
Grand Rapids Hardware Co. ("Grand Rapids" All Steel Ball Bearing), Grand Rapids, Mich.
Grant Pulley & Hardware Co. ("Grant" Overlead & American Steel), 3 W. 29th, New York
Hardware & Woodenware Mfg. Co. (L. & S. Co.), 693 B'way, New York
Indianapolis Sash Pulley & Mfg. Co. ("Mason"), Indianapolis, Ind.
Johnston & Sharp Mfg. Co. ("Ottumwa" Ball Bearing Steel), Ottumwa, Iowa
Kline Hardware Co., Allentown, Pa.
Kupferle, Jno. C. Foundry Co., St. Louis, Mo.
McDonough & Co., Eau Claire, Wis.
NIAGARA FALLS METAL STAMPing Co., Niagara Falls, N. Y. (See adv. index, end of book)
O. K. Mfg. Co. ("O. K." Pressed Steel), Phoenix bldg, Baltimore, Md.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hdw. Co. (Ball & Roller Bearing), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Seidel Mfg. Co. ("Seidel" Noiseless), Chemical bldg, St. Louis, Mo.
Sloan, Frank B. & Co. ("The Norris"), Baltimore, Md.
Stover Mfg. Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hdw. Co. ("Niagara," "Star," "Acme," "Gem" & "Empire" for Axle Mortises), Wrightsville, Pa.

Sash Pulley Mortiser

(See Pulley Mortising Machines)

Sash Ribbon

Caldwell Mfg. Co. (Aluminum Bronze), Rochester, N. Y.
Gardner Sash Balance Co. ("Gardner" Sash), 164 Dearborn, Chicago, Ill.
Pullman Mfg. Co. (Aluminum Bronze & Attachments), Rochester, N. Y.
Seidel Mfg. Co., Chemical bldg., St. Louis, Mo.

Sash (Storm)

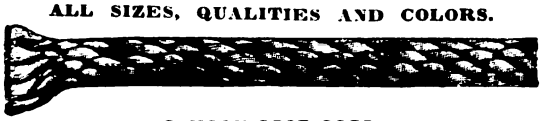
(See Storm Doors & Windows)

Sash Weights

American Brake Shoe & Foundry Co. (Cast Iron), Mahwah, N. J., & Western Dept. bldg, Chicago, Ill.
Austin & Eddy, 117 Broad, Boston, Mass.
Barber Mfg. Co. (Cast Iron), Ashtabula, O.
Bates, Jas. Sons, Pratt & President, Baltimore, Md.
Best Mfg. Co. ("Walda"), Pittsburg, Pa.
Birmingham Boiler Works, Birmingham, Ala.
Blatchford, E. W. Co. (Lead), 70 N. Clinton, Chicago, Ill.
Brown, E. E. & Co. (Iron), McKeon & Vare, Phila., Pa.
Burditt & Williams Co., 4 High, Boston, Mass.

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Caldwell, E. R. & Co. (Cast Iron), Bradford, Pa.
Caldwell & Drake Iron Works (Inc.) ("Rohrer's" Sectional), Columbus, Ind.
CANTON FDRY. & MACHINE CO. (Cast Iron), Canton, O. (See adv. index, end of book)
Chadwick-Boston Lead Co. (Lead), Boston, Mass.
Cheney, S. & Son (Cast), Manlius, N. Y.
Davenport Foundry & Machine Co. (Cast Iron), Davenport, Iowa
Detroit Lead Pipe & Sheet Lead Works (Lead), Detroit, Mich.
Drummond Mfg. Co. (Cast Iron), Louisville, Gibson & Price Co. (Lead), Cleveland, O. Ky.
Hickok, W. O. Mfg. Co. (Cast Iron), Harrisburg, Pa.
Janney & Co., Montgomery, Ala.
Johnston & Jennings Co., Cleveland, O.
Keagy & Lear Machine Co., Coshocton, O.
King & Andrews Co. (Iron), Chicago Heights, Ill.
Kings County Iron Foundry Co. (Lead, etc.), N 13th & Berry, Brooklyn, N. Y.
Koch & Fox (Lead, etc.), 22d & Glenwood av, Phila., Pa.
Levering Bros., 230 Hughes av, Baltimore, Md.
Lewis, Jno. T. & Bros. Co. (Lead), 231 S Front, Phila., Pa.
Lissberger, Marks & Son (Lead), 281 Borden av, Brooklyn, N. Y.
Madison Foundry Co. ("Acme"), 935 Addison rd., N. E., Cleveland, O.
Masker, Geo. L. & Co. (Cast Iron), Evansville, Ind.
National Lead Co. (Lead), 100 William, New York
Over, Ewald (Round & Square, Iron & Lead), 426 S Penn, Indianapolis, Ind.
Paxton & Verling Iron Works (Iron), 17th & U. P. Ry, Omaha, Neb.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Raymond Lead Co. (Lead), 51 W Lake, Chicago.
Reading Hardware Co., Reading, Pa.
Robertson, Jas. Mfg. Co. (Lead), Baltimore, Md.
Rochester Lead Works (Lead), Rochester, N.Y.
Ross, W. A. & Bro. ("Groove Eye" Elevator, Dumbwaiter, Lead Sash, etc.), 11 S. William, New York
Selby Smelting & Lead Co. (Lead), San Francisco, Cal.
Southern Foundry & Machine Co., Knoxville, Tenn.
Stiles Foundry & Supply Co. (Cast Iron), Parkersburg, W. Va.
Tatham & Bros. (Lead), 84 Beekman, New York, & 226 S 5th, Phila., Pa.
Thompson Mfg. Co., Lancaster, N. H.
Union Iron Works, Houston, Tex.
Waterbury Foundry Co., Waterbury, Conn.
Western Foundry & Sash Weight Co. (Cast Iron), 159 Miller, St. Louis, Mo.
Windsor Mfg. Co. (Lead), Milwaukee, Wis.

Sashes, Doors & Blinds

Manufacturers are indicated by a Star (*); Dealers are indicated by a Dagger (†)

ALABAMA.

ANNISTON—*Houser, C. J., 431 W 16th
BIRMINGHAM—†Birmingham Paint & Glass Co.
†Brewer, W. P., 1516 1st av
†Moore & Handly Hardware Co.
*Standard Mfg. Co.
†Wood, Dickerson Lumber Co.
CULLMAN—*Arnold, Casper & Son.
DECATUR—*Jervis Lumber Co.
ELBA—Perdue & Ham
ENSLEY—*Sheppard Lumber Co.
GADSDEN—†Smith, Echols-Burnett Hardware
*Southern Mfg. Co. Co.
GREENVILLE—†Johnson, J. F. Hardware Co (Wholesale & Retail)
HUNTSVILLE—*Plummer, G. A.
MOBILE—*Builders' Supply Co.
†Cunningham Hardware Co.
†Partridge, C. S. Hardware Co.
MONTGOMERY—†Alabama Lumber Co.
†Bogacki, C. Y.
†Kennedy Co.
*Montgomery Lumber & Mfg. Co. (Wholesale)
ROANOKE—*Griffin & Satterwhite
SELMA—†Schuster, Benj. J.
TUSCALOOSA—†Allen & Jemison Co.

ARIZCNA TERRITORY.

PHOENIX—Ryder, H. W.
TUCSON—Tucson Lumber Co.

ARKANSAS.

BRINKLEY—*Brinkley Car Works & Mfg.
EUREKA SPRINGS—†Lloyd, W. J. Co.
FORT SMITH—*Kenny Bros. (Wholesale)
†Tenney, J. M. & Co.
HELENA—†Carvill, Herman & Co.
LITTLE ROCK—Abeles, C. T. & Co., 215 Main
MORRILTON—Dowdle & Henley
NASHVILLE—†Skillern, Alex. L.
PINE BLUFF—*Bluff City Lumber Co.
TEXARKANA—Chatfield & Buhrman Hardware Co.

CALIFORNIA.

EUREKA—*Humboldt Door & Sash Co.
FRESNO—*Madary Planing Mill (Inc.).
HOBART MILLS—*Sierra Nevada Wood & Lumber Co. (Wholesale)
LIVERMORE—†Anspacher Bros.
Horton & Kennedy
LOS ANGELES—*Builders Supply Co.
*California Planing Mill & Lumber Co.
City Mill & Mfg. Co., 200 N Av 21
Consolidated Lumber Co., 614 Grosse bldg.
†Fuller, W. P. & Co., 140 N Los Angeles
*Hughes Mfg. Co., 1430 S. Alameda.
*Kerckoff-Cuzner Mill & Lumber Co., 900 N. Alameda
*Los Angeles Planing Mill, 1812 Industrial
†Los Angeles Sash & Door Co., 120 E. 9th
Los Angeles Storage Commission & Lumber Co., 125 W. 3d
†Madary's Supply House, 737 Aliso
National Lumber Co., Alemeda ft 20th
†Notziger, D. I. Lumber Co.
Raphael, H. Co. (Wholesale Dealers), 509 S Main
†Santa Fe Planing Mill Co., 940 E 4th
Vernon Lumber Co., 4705 S. Central av
Western Commercial Co. (Wholesale Dealers), 320 E Market
Whiting Wrecking Co., 400 E 9th
MENDOCINO—†Brown, Eugene
NAPA—*Corlett Bros.
NEVADA CITY—Marsh, M. L. & D.
OAKLAND — *Burnham - Standeford Co., Wash'n c 1st
California Door Co., c 16th & Wood
*Mann & Mole
Pacific Coast Lumber & Mill Co. (Redwood & Oregon Pine, etc.), 2d c Grove
†Young, R. S. Supply Co., Wash'n c 4th
OROVILLE—Perkins & Wise Co.
PASADENA—Blinn, L. W. Lumber Co.
Kerckhoff-Cuzner Mill & Lumber Co.
*Pasadena Mfg. Co.
PETALUMA—Cavanaugh, Mrs. D.
PLACERVILLE—Beach, S. G. & Co.
Blair, J. & J.
RED BLUFF—*Sierra Lumber Co. (Wholesale)
SACRAMENTO—*Burnett & Sons
Frazer, E. F.
Friend & Terry Lumber Co.
†Fuller, W. P. & Co.
*Suter-Hevener Mill & Mfg. Co.
SAN DIEGO—Fuller, W. P. & Co.
*Graham, M. A. Mill Co.
*Russ Lumber & Mill Co.
†San Diego Lumber Co.
†West Coast Lumber Co.
SAN FRANCISCO—Burgess, C. W., 1715 Mission
California Door Co., 20 Drumm
California Mill Co., 645 Bryant
Dean Reversible Window Co., 553 Brannan
Doe, C. F. & Co., Lumber, Powell & Beach
Hammond Lumber Co., Merchant Exchange bldg.
Hansen, M. & Co., 231 King
Huber, Frank, Son, York & Mariposa
Moore, Robt. B., Folsom nr 4th.
San Francisco Planing Mills, 185 Stevenson
Sierra Lumber Co., Russ bldg.
Wilkie, Andrew Co., Monadnock bldg.
Wilson & Bro., 20 Drumm.
SAN JOSE—*Chase, S. H. Lumber Co.
Hubbard & Carmichael Bros.
*Santa Clara Valley Mill & Lumber Co. (Wholesale)
SANTA ANA—†Griffith, J. M. Co.
†Pendleton, S. H. Lumber & Mill Co.
SANTA BARBARA—Humphrey, G. W. & Co.
*†Union Mill Co.
SANTA MARIA—Bryant & Trott Co.
SANTA ROSA—Berka, Frank
STOCKTON—Simpson & Gray
Stockton Lumber Co.
*Sunset Door & Sash Co. (Wholesale Mfrs.)
*Thomas & Buell
Union Planing Mill Co.

COLORADO.

COLORADO SPRINGS—*Walsh, Daniel W.
DENVER—English, R. W. Lumber Co., 51 Jacobson bldg
Hallack Lumber Supply Co., 3001 Gilpin
*Hallack & Howard Lumber Co., Larimer
*Lewis & Wheeler Mercantile Co., 1525 18th
*McPhee & McGinnity, 18th & Wazee
*Sayre-Newton Lumber Co., 23d & Blake
GLENWOOD SPRINGS—Dougan, Wm., Edwards, nr N
LEADVILLE—Smith, S. L. Lumber Co.
Williams Lumber Co., 6th & Hemlock
PUEBLO—†Newton Lumber Co., 4th c Court
TRINIDAD—†Davis, O. L. Lumber Co.
†Hughes Bros. Lumber Co.

CONNECTICUT.

ANSONIA—†Ansonia Lumber Co.
BRIDGEPORT—Burritt, A. W. Co., Knowlton
*Miller, Frank Lumber Co. & Arctic
†Tomlinson, J. L. Lumber Co., 89 Knowlton
BRISTOL—†Fogg, W. E.
†Judd, D. B. & Co.
†Saxton & Strong
DANBURY—*Armstrong, I. & Co.
*Foster Bros.
HARTFORD—*Andrews & Peck Co., 88 Market
Booth, C. E., 36 Wells
Nims, Whitney & Co., 1170 Main
MERIDEN—†George, W. H. II., 10 Stone
†Lyon & Billard Co., 13 S Colony
†Meriden Lumber Co., 174 State
†Morehouse Bros. Co.
MIDDLETOWN—†Davis, L. O. & E. S.
NEW BRITAIN—†Rackliffe Bros. Co.
†Rogers, D. M. & Co.
NEW HAVEN—*Clark, David H., 166 Brewery
†Bent, Wm. E., 132 Center W
†Brodner, Kaufman, 111 Congress av
*Curtis, C. B., 118 Winchester av
†Elm City Lumber Co., 144 Water
†Hawthorn, Lewis Co., 88 Water
†Humiston, O. W., 82 Water
†Morgan & Humiston, 42 Pearl
Norton Bros. & White Co., 98 Water
†Sperry & Amos Co., 96 Water
NEW LONDON—†Goddard, Asa O.
NEW MILFORD—†Beach, C. M.
†Soule, T. Co.
NORWALK—†Hubbell & Staples Hardware Co.
*Malkin, A. R. & Co.
NORWICH—†Chappell, Edw. Co.
†Crowell, Fred C., 91 Water
*Porter, H. B. & Son Co.
PORTLAND—†Strong & Hale
PUTNAM—†Fox, J. O. & Co.
Wheaton Building & Lumber Co.
SOUTHINGTON—†Southington Lumber & Feed Co.
STAMFORD—*St. John Wood Working Co.
†Stamford Lumber Co.
WATERBURY—†Brass City Lumber Co., 60 Meadow
†City Lumber & Coal Co., 590 W Main
Smith, J. E. & Co., 65 Benedict
*Waterbury Lumber & Coal Co., 107 Meadow
WILLIMANTIC—†Hillhouse & Taylor
WINSTED—†Burwell, J. C.

DELAWARE.

DOVER—*Hartnett, J. A. & Bro.
GEORGETOWN—Thoroughgood, Wm. J.
MIDDLETOWN—†Hukill, G. E.
SEAFORD—Wallace, L. E.
WILMINGTON—Evans, Hy.
Simmons, S. G. & Bro., Tatnall & Front
*Wilmington Sash, Door & Blind Co.

DISTRICT OF COLUMBIA.

WASHINGTON — †Barber & Ross, 614 11th, N W
*Barker, Geo. M., 649 N. Y. av, N W
*Crupper, Jos. L., 13th & Ohio av, N W
*Dyer, William H., 13th c Ohio, N W
*Herrell, L. L. & Bro., 1315 11th S. E.
*Libby, J. Edward & Sons, 3053 P, N W
*Smith, T. W., 1st & Indiana av, N W
†Walker, Geo. E., 7th & K, S W
*Washington Woodworking Co., 12th c B, N W

FLORIDA.

APALACHICOLA—*Marshall, John & Co.
JACKSONVILLE—Enterprise Planing Mill Co.
†Florida Hardware Co., 10 W Bay
†Hubbard, S. B. Co. (Inc.)
KEY WEST—†Johnson, J. W.
†Johnson, W. A. & Bro.
PALATKA—*Selden Cypress Door Co.
PENSACOLA—*De Silva, H. G. & Co.
ST. AUGUSTINE—†Hamblen, C. F.
SANFORD—†Fernald, Geo. H. Hardware Co.
TALLAHASSEE—†Gilmore & Davis
†Yaeger & Bethel Hardware Co.
TAMPA—†Knight & Wall Co.

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GEORGIA.

ALBANY—*Cruger & Pace
†Weston, J. D. & Son
AMERICUS—*Americus Construction Co.
†Sheffield-Huntington Co.
ATHENS—†Athens Hardware Co.
†Fleming Dearing Hardware Co.
ATLANTA—*Phoenix Planing Mill, 27 N Butler
*Ray, D. J., 510 Temple Court
†Smith & Simpson Lumber Co., 391 Peters
*Traynham, W. L., Peters bldg
†West Lumber Co., 240 Peters
†Williams, G. O. Lumber Co., 257 Marietta
†Willingham-Tifft Lumber Co., Empire bldg
*Woodward Lumber Co., 25 Murphy av
AUGUSTA—*Augusta Lumber Co.
*Perkins Mfg. Co.
BRUNSWICK—†Colson Hardware Co.
CARROLLTON—*New, D. F. & Bro.
COLUMBUS—Columbus Iron Works Co.
*Dudley-Butts Sash, Door & Lumber Co.
†Harvey, W. T. & Co., 1st av & 12th
CORDELE—Cordele Sash, Door & Lumber Co.
DALTON—*Cherokee Mfg. Co.
*Farrar Lumber Co.
FITZGERALD—*Small, J. D.
GAINESVILLE—Queen City Planing Mill Co.
GRIFFIN—*Gresham Planing Mill Co.
Griffin Sash & Door Co.
LA GRANGE—*Pike Bros. Lumber Co.
MACON—Burke, T. C., 338 3d
*Wilders', R. C. Sons Co., 614 3d
*Willingham Sash & Door Co., 457 3d
MARIETTA—*Henderson, C. E.
NEWNAN—*Cole, R. D. Mfg. Co.
ROME—O'Neil Mfg. Co.
*†Patton Sash, Door & Building Co.
SAVANNAH—†Adams Paint Co.
*Bacon, A. S. & Sons
†Butler, John G. Builders Supply Co., 20 Congress
†Neal-Blun Co., 112 W Bay
*Sav. Lumber Co.
*Southern Pine Co. (of Georgia)
THOMASVILLE—†Watt Supply Co.
WASHINGTON—Washington Mfg. Co.
WINDER—†Boyd, W. E.
*Pledger & Vonderlieth

HAWAII.

HONOLULU—Lewers & Cooke, Ltd.

IDAHO.

BOISE CITY—*Goreckey, A.
†Ridgenbough, W. H.
†Shaw Lumber Co.

ILLINOIS.

ALTON—*Ginter-Wardlen Lumber Co.
*Winter, H. L.
ANNA—Anna Lbr. & Mfg. Co.
AURORA—*Hartsburg & Hawksley
*Hill, L. O.
*Johns & Brown Co.
BATAVIA—†Hunter-Griffith Co.
BELLEVILLE—†Reis, J. B. Lumber Co.
†Reis, M. & H.
*Storck, Geo. P.
BLOOMINGTON—†Darlington, E. R. Lumber Co.
*Evans, John W. Sons Co.
†Fordice, J. M.
†Harwood, W. S. & Bro.
*Minter Mfg. Co.
†Parker Bros.
*White, S. R. Mfg. Co.
CAIRO—Lancaster, Charles, Commercial av
†Langan, P. T., 1006 Commercial av
CARTHAGE—†Lyon, W. E. & Co.
CHAMPAIGN—*Oliger, Frank
CHATHAM—†Moore, Chas.
CHICAGO—*Abbott, F. I., 405 5th av
*Anderson & Lind, 187 Iowa
*Avondale Sash & Door Co., 738 W Belmont av
†Benedict, John S., 135 N Halsted
†Biggs, A. & Co., 1140 Elston av
*Builders' Mfg. Co., 243 N Wells
†Bursik & Krupka Co., 940 S Fairfield av
California Mfg. Co., 982 S Troy
†Chandler Lumber Co., 100 Elston av
*Chicago Mill & Lumber Co. (Mfrs.), West Chicago av & N Sangamon
*Chicago Sash, Door & Blind Mfg. Co., 48 W North av
*Chicago Veneered Door Co., Chamber of Commerce bldg
†Clayton, Charles W., 1852 Armitage
*Commercial Sash & Door Co., 4902 S Paulina
†Curtis, Cornelius W., 7434 Kimbark av
†Curtis, Edgar G., 2413 N Paulina
*Dietsch, A. & Co., 619 Sheffield av
*Diouhy, Vincent Sash & Door Co., 701
†Dodge, H. B. & Co., 108 Lasalle Laflin
Ehrhart, Louis & Son, 334 W Fullerton av
*Englewood Sash & Door Co., 5947 Lowe
Filer, Edwd. T., 79 Dearborn av
Filip, Meydrech & Co., 505 W 21st
Foley Mfg. Co., Western av & 25th
Foster-Munger Co. (Wholesale), W 20th & S Sangamon
†Freese, F. E., 1416 Armitage av
*Gardner Mill Co., 1140 Elston av
*Gauger, John A. & Co. (Wholesale Mfrs.), W 22d & Ladin
General Sash & Door Ass'n, 402-77 Jackson
Gisselbrecht & Sator, 902 N Mozart boul
†Haring, Louis, 1138 Clybourn
*Harty Bros. & Harty Co., 21st S W c Loomis
Hegener, Rudolph Co., 72 Madison
Hess, Frank & Sons, 1264 N California av
Hillock, James S., 2601 Hillock av
Howell, Thos. S., 59 Clark
*Katz & Hamann Co., 5951 S Halsted
King, Pat'k J., 958 N Spaulding av
Kraetzer, Fischer & Co., 95th & S Chicago
*Krause, Fred'k F., 969 Tripp av av
Lechliter, Peter, 909 W Madison
*Leitzow & Simon Mfg. Co., 523 W Kenzie
*Lockwood & Strickland Co., 49th & Halsted
*McEwen Building & Mfg. Co., 245 N Wells
Mears Slayter Lumber Co., 1113 Belmont
Melrose Mill Co., 1130 Clybourn av av
Morris, Wm. & Sons, 503 35th
*Nollau & Wolff Mfg. Co., 35 Fullerton av
*North Ave. Mfg. Co., 53 E North av
North Side Sash & Door Co., 1140 Elston av
Paine Lumber Co., Chamber of Commerce
Peters, H. G., 740 W 15th bldg
*Pulaski Sash & Door Co., 75 W North av
Purmort, Henry C., Throop & W 22d
Radford Sash & Door Co., 192 W 22nd
*Rinn, Philip Co., Division & Crosby
*Roberts, E. L. & Co., W 22d c Union pl
Russell, Perley A., 1133 School
Schaller-Hoerr Co. (Storm Sash & Doors, etc.), 496 S. California av
Scheidt Mfg. Co., 2756 N 40th av
Schroth & Ahrens, 639 S. Halsted
*Skowronski, W. J., 8465 Baltimore, av
South Side Lumber Co. (Wholesale), 1044 S Ashland av
*Standard Sash & Door Co., 5821 S Center av
Stewart, Alex., 316 Chamber of Commerce
Storgaard, Anders, 927 N Western av
Struthers, A. J. & Co., 1616 Grand av
Tibbits-Cameron Lumber Co., 644 Greenleaf
Trefts Bros., 542 33d
True & True Co., Blue Island av, s w c Lincoln
*Twentieth Century Window Co., 1224 Newport av
Ullrich, August G., 3561 Archer av
Union Interior Finish Co., Lasalle nr W
*Von Platen & Dick, 843 W Kenzie 53d
Weidenaar, H. & Co., 6643 Union av
Wheelock Lumber & Mfg. Co., 945 N Campbell av
Wilson, Jas. G. Mfg. Co., 108 Lasalle
Wright, Chas. O., 1855 N Calif av
CLINTON—†Killough, John
DANVILLE—†Holden, N. E.
Watson, Geo. H.
DECATUR—Decatur Lumber & Mfg. Co.
†Huff, W. J. & Co.
Lyon, Geo. S. & Sons Lumber & Mfg. Co.
†Mills Lumber Co.
DE KALB—*Schermerhorn, L. C. & Co.
DIXON—*Fletcher Mfg. Co.
EAST ST. LOUIS—*Gedney Construction Co.
†Goedde, B. & Co.
*Miller, Chas. J.
*Wiegreffe, Theo. & Sons
EDWARDSVILLE—†Hotz Lumber Co.
EFFINGHAM—†Wildi-Leddy Lumber Co.
ELGIN—*Rinehimer Bros. Mfg. Co.
EVANSTON—†Pearson Lumber Co.
FREEPORT—*Bamberger, Elias
GALENA—†Hoskins, Wm. & Co.
Taylor, D. A.
GALESBURG—*Colton, G. D. & Co.
HARVARD—†Lake, Harris & Backus
HIGHLAND—†Marti, Sebastian
JACKSONVILLE—Andrews, B. P. & Sons
JERSEYVILLE—†Christy, John
†Cockrell, E. Lumber Co.
†Robb, Alex. C.
JOLIET—*Alexander, M., 105 S Desplaines
*Hacker, C. Co., 100 Collins
†Joliet Sash & Door Co.
KANKAKEE—*Paulissen, John G.
†Troup, H. H. & Co.
KEWAUNEE—Scott, John
LA SALLE—†Hunter-Stevens & Co.
LEMONT—Derby, S. L. Lumber Co.
†Helbig, A. J.
LINCOLN—*Hungerford, William
MATTOON—Andrews Bros.
METROPOLIS CITY—†Gibbons, A. J.
MOLINE—Dimock, Gould & Co.
†Mueller Lumber Co.
MONMOUTH—†McCullough Lumber & Coal Co
†Monmouth Lumber Co.
MOUNT VERNON—†Walker, E. M. Co.
NAPERVILLE—†Schwartz, M. & Co.
NEWMAN—†Thomas, Reuben
NORMAL—†Stillhamer, H. W. & Co.
NORTH AURORA—*Hartsburg & Hawksley Co.
OAK PARK—*Bedard & Morency Mill Co.
OTTAWA—*Sanders Bros. Mfg. Co.
*Sinnott Bros.
PARIS—†Tropst Lumber Co.
PEKIN—†Conklin, Reuling Co.
PEORIA—*Carr & Adams Co., 916 S Water
†Cutright & Russell, 1000 S Washington
*Garside Mfg. Co., S Wash'n c Oak
†Knetager, Chas. Lumber Co., S Washington
†Mackemer Lumber Co., 601 S Washington
†Rogers, Jas. T., 810 S Washington
*Rothan, Geo. J., Johnson c Webster
*Todhunter & Alfs, 208 Walnut
*Wahlfeld Mfg. Co., 1101 S Wash'n
PERU—†Maze, W. H. & Co.
†Zimmerman, C. & Co.
PONTIAC—†Smith, F. N.
QUINCY—*Menke-Grimm Planing Mill Co.
*Mulliner Box & Planing Co., 2d & Elm
RED BUD—†Boedeker, C. H.
ROCKFORD—†Crumb, R. W. Lumber & Fuel Co.
*Derwent, T. J. Co.
†Marshall, A. H.
Parsons Lbr. Co.
†Rockford Lumber & Fuel Co.
*Rockford Builders' Supply Co.
ROCK ISLAND—Rock Island Sash & Door Works
Rock Island Wood Works
*Volk, Jno. & Co.
SPRINGFIELD—†Baker & Baker
*McGrew, P. O.
*Power, Chas. A.
†Schuck, J. H. & Son
Vredenburgh, Peter Lumber Co.
STERLING—†Dillon, Moses Co.
STREATOR—†Ames, John C. Lumber Co
†Schmid, George A.
Streator Lumber Co.
URBANA—†Huff, S. E. & Co.
UTICA—†Wilson, Jas. E.
WAUKEGAN—*Dow, W. H. Mfg. Co
†Gourley, John & Co.
†Kirk, George & Son
WEST CHICAGO—*Brandt, Haase & Wahl

INDIANA.

ALBION—†Eagles & Son
ANDERSON — †Atherton, M. & Sons, N Main
*Springer, G. E., N Main
BATESVILLE—†Meyer, J. & Bro.
BEDFORD—†Bedford Building Supply Co
BERNE—†Baumgartner Bros. & Co.
Gilliom Lumber Co.
†Schug Bros.
BLOOMINGTON—Davis Hdw. Co.
*Fulwider, W. A.
BLUFFTON—†Cline, A. B. & Co.
BOONVILLE—†White, C. P. Lumber Co
BRAZIL—*Halstead, J. N.
*Reed & Sons
*Wilder, C. E. & Co
BREMEN—†Steineck, J. H.
BROOKVILLE—*Dudley, F. M.
†Fieber & Holmes
†Fries & Geis
†Samoniel, C.
CARLISLE—†Risinger & Ellis
CICERO—*Cicero Lumber Co.
CLAY CITY—†Guirl, W. H. & Co.
†Middlemas, D. C. Sons
COLUMBUS—*Dunlap & Co.
†Hege & Co.
†Schwartzkopf, J. G. & Son
CONNERSVILLE—†Enos, E. A. & Co
*Stoops, Thos. H.
CORYDON—†Bullitt, J. J. & Son
†Hurst, B. F.
COVINGTON—†Clark, M. H.
†Townsley, J. L.
*Williams, Geo. W.
CRAWFORDSVILLE—*Rumble, Geo. & Son
DECATUR—*Kirsch, Peter
ELKHART—†Newman Bros.
ELWOOD—†Winters Lumber Co.
EVANSVILLE—*Cottage Bldg Co.
*Evansville Planing Mill Co.
*McCorkle, John S.
*Mechanics' Planing Mill Co.
†Rechtin, Theo. E.
*Schnute-Holtmann Co.
†Schultze, Waltman & Co.

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FAIRMOUNT—†Mercer, Brannum & Bevington
†Swain, J. L. Co. Co.
FORT WAYNE—Diether Lumber Co.
*Fort Wayne Lumber Co.
*Gilmartin, Edw.
†Rhinesmith & Simonson
†Schlatter, C. C. & Co.
FRANKFORT—*†Deming & Thompson Lumber
*Kramer Bros. Co. Co.
GARRETT—*Allman, N. R.
†Garrett Lumber Co.
GOSHEN—*Goshen Sash & Door Co.
GREENCASTLE—†Bicknell Hardware Co.
†Cook, John
Owl Mercantile Co.
HAMMOND—†Paxton Lumber Co.
HARLAN—*Bickhart Bros.
HUNTINGBURG—*Huntingburg Planing Mill
†Strattmann, Adam Co.
HUNTINGTON—†Hewitt, E. G.
†Nave & Provines
†Reichenbach & Wickenheiser
INDIANAPOLIS—*Anson-Hixon Sash & Door
Co., 125 E Norwood
†Adams Carr Co., McCarty & I. C. R. R.
*Balke & Krauss Co., Missouri & Market
†Buddenbaum Lumber Co., N. Y. & Pine
*Capitol Lumber Co., 849 Massachusetts av
†Carter, Lee & Co., 1021 W Washington
†Dalton Lumber Co., 30 S Noble
†Dynes Lumber Co., E 30th & Monon By
*Eaglesfield Lumber Co.
*Foster Lumber Co., 802 N Senate av
†Greer-Wilkinson Lumber Co. (Wholesale
†Home Lumber Co., 912 E Michigan Mfrs.)
*Indianapolis Mfrs.' & Carpenters' Union,
201 S N. J.
†Maas-Neimeyer Lumber Co., E 22d & Monon
†Michigan Lumber Co., 929 E St Clair
EFFERSONVILLE—†Lindley, T. J.
OKOMO—Armstrong, Landon Co.
*Moore & Danner
\DOGA—*Huntington & Son
AFAYETTE—*Lafayette Lumber & Mfg. Co.
Taylor, Henry Lumber Co.
A PORTE—*La Porte Sash & Door Co.
EBANON—*Pinnell, J. W. & Co.
)GANSPORT—†Johnson, M. L.
*Parker & Johnston
*Stevens & Bro.
†Thompson Lumber Co.
†Voorhees, Philip
\DISON—*Madison Planing Mill & Lumber
ARION—†Barley & Spencer Lbr. Co. Co.
*Campbell, Jas.
†Hogin, McKinney & Co.
*Marion Planing Mill Co.
†Marion Hardware Co.
†Price & Co.
:HIGAN CITY—†Michigan City Sash & Door
SHAWAKA—†Lang, O. E. & Co. Co.
NCIE—*Franklin Lumber Co.
†Greeley Lumber Co.
†Greer-Wilkinson Lumber Co.
†Klus & Grouleff Lumber Co.
†Kirby-Wood Lumber Co.
'Zook, T. L. & Son
V ALBANY—*Helfrich, Geo., Sr.
†Longhmiller, Wm. A.
Stoy, Peter R. & Son
V PALESTINE—*Madison, Jas.
TH MANCHESTER—†North Manchester
TH VERNON—*Miller Bros. Lumber Co.
orth Vernon Lumber Co.
NCETON—*Ford, A. S.
IMOND—*Louck & Hill Co.
KVILLE—†Dooley & Dooley
Ferguson & Co.
Fickel & Graham
IOUR—†Union Hardware Co.
.BYVILLE—*Parrish, J. O.
H BEND—†Dresden & Stanfield
Eckler, Henry Mfg. Co.
diana Lumber & Mfg. Co.
L CITY—*Tell City Planing Mill Co.
E HAUTE—†Briggs Lumber Co.
footen, R. A. & Co.
tintz, N. C.
Jerson & Bro.
eese-Snider Lumber Co.
ND—*Deeren, T. J.
ARAISO—*Bell, E. A.
ENNES—†Bosworth, M. A.
cllvane, H. R.
SH—†King, McNamee & Hipskind
INGTON—†Cosby, O. M.
cKernan, Hugh

IOWA.

—†Hobson Bros.
PLAINE—†Henry, F. H.
VITE—†Bittner, Louis
rchester & Hughey
NGTON—†Gilbert, Hedge & Co.
airn, Gillies Co.
CALMAR—*Calmar Mfg. Co.
CARROLL—†Joyce, W. T. Co.
CEDAR FALLS—Weisbard & Sucher
CEDAR RAPIDS—†Hawkeye Lumber & Coal
†Limback & Jeffrey Co.
*Williams & Hunting Co.
CHARLES CITY—*Smith, George P. Co.
CLINTON—*Curtis Bros. & Co.
COUNCIL BLUFFS—†Bluff City Lumber Co.
*Graham, O. W.
†Hoagland, George A.
†Quinn, H. A. Lumber Co.
*Wind, P. H., 13th & B'way
CRESTON—†Green Bay Lumber Co.
†Jackson & Sherry Co.
DAVENPORT—*Davenport Wood Works
*McClelland, T. W. Co.
*Roberts, U. N. Co.
*Sterling, P. J. & Co.
DES MOINES—*Carr & Adams Co.
†Century Lumber Co., 713 Mulberry
†Gilcrest, J. K. & W. H., 301 E Locust
DUBUQUE—*Carr-Ryder & Adams Co.
*Farley & Loetscher Mfg. Co.
*Metz Mfg. Co.
†Seippel, P. J. Lumber Co.
DYERSVILLE—†Armstrong, James
ELDORA—†Davis & Moser
FORT DODGE—Fort Dodge Mfg. Co.
FORT MADISON—Atlee, S. & J. C.
INDIANOLA—†Harlan, J. M. Lumber Co.
INDEPENDENCE—†Independence Lumber Co.
KEOKUK—*Carter, S. C. & S. Co.
*Schmidt, Henry & Sons Co.
KEOTA—†Wright, S. S.
KNIERIM—†Anderson, F. R. & Co.
LE MARS—†Moore, M. A. & Co.
†Perry, W. H.
LYONS—*Disbrow, M. A. & Co.
McGREGOR—†Daubenberger Bros.
MARSHALLTOWN—*Kreutzer & Wasem
MOUNT PLEASANT—†Hall, M. C.
MUSCATINE—*Huttig, Mfg. Co.
*Roach & Musser Sash & Door Co.
NEW HAMPTON—†Bigelow & Donivan
ORANGE—Van Pelt & Van Eizenga
OSKALOOSA—†Sinclair, S. B.
OTTUMWA—*Snook & Son
†Tisdale, F. A. & Co.
SIOUX CITY—*Curtis Sash & Door Co.
†Queal, J. H. & Co.
†Spalding, J. D.
SPENCER—†Floete Lumber Co.
†Perine, A. C.
WATERLOO—†Bryant, W. A. & Sons Co.
†Chapman, C. W. Lumber Co.
†Waterloo Lumber Co.

KANSAS.

ABILENE—†Cramer & Kruger
ARKANSAS CITY—*Roberts, H. T.
ATCHISON—†Brockett, B. L.
Carlisle-Pennel Lumber Co.
†Hixon Lumber Co.
*Stevenson & Hooper
COLUMBUS—Hardy Lumber Co.
EMPORIA—†Emporia Lumber Co.
†Evans, J. E.
†Kirkwood, J. G.
Watson-Ballweg Lumber Co.
FULTON—Fulton Lumber Co.
GARFIELD—†Waymire, N. O.
GODDARD—†Pond, W. M. & Co.
HUTCHINSON—Hutchinson Lumber & Planing
*Snyder Co. Mill Co.
†White, L. J. Lumber Co.
INDEPENDENCE—Rock Island Lumber & Coal
IOLA—†Chicago Lumber & Coal Co. Co.
†Northrup Lumber Co.
KANSAS CITY—†Armourdale Lumber Co., Kansas av c Brent
†Badger Lumber Co., 18th & Kansas av
†Byrne, John M. Lumber Co., 1319 N 5th
†Creel, T. C. Lumber Co., 5th c Central
Ellis, J. W. Planing Mill Co., Scott c St.
Foster Lumber Co., 1501 N 5th Paul
Wyandotte Planing Mill, 1814 N 5th
LEAVENWORTH—†Garrett, S. C.
LOGAN—†King, E. I. & Co. kee
McPHERSON—†Lake Superior Lumber Co.
†Sudendorf, H. H.
NEODESHA—†Certain, W. N. (Est. of)
NEWTON—†Newton Lumber Co.
†Swartz, S. M. Lumber Co.
OBERLIN—†Chicago Lumber & Coal Co.
†Foster Lumber Co.
OTTAWA—†Halloren, J.
†Harris, M. R.
†Winget, W. F. & Co.
PARSONS—†Clark & Bates Lumber Co.
PEABODY—†Davison & Co.
PHILLIPSBURG—†Central Lumber Co.
†Smith, Theo. & Son
PITTSBURG—*Ransom, H. R.
†Sweet, C. B. & Bro.
SALINA—Leidigh & Havens Lumber Co.
†Nicholson Lumber Co.
STERLING—†Fair, D. J.
TOPEKA—*Central Sash & Door Co.
*Horn, E.
WICHITA—*United Sash & Door Co., 240 S Mosley
*Wichita Sash, Door & Planing Mill Co.

KENTUCKY.

AUGUSTA—†Moneyhon, Geo. W. Co.
BOWLING GREEN—*Kister, F. L., Jr.
*Roemer Bros.
CARLISLE—†Dorsey Bros. & Fisher
COVINGTON—*Brownfield, J. A., 37 W 8th
*Covington Lumber Co., Madison av
*Heilmann, Lumber & Mfg. Co., 165 W 12th
*Kentucky Planing Mill Co., 8th e of Garrard
McDannold, F. M. (Dealer), 16th & Madison av
FRANKFORT—*Choate, W. E.
*Pilkington, H. C.
GLASGOW—Smith, J. N.
HENDERSON—*Clore's, Joseph Sons
HOPKINSVILLE—*Forbes Mfg. Co.
LAWRENCEBURG—Thurman, R. L.
LEXINGTON—*Lexington Lbr. & Mfg. Co.
*Spottswood, L. R. & Son
*Williamson & Son
LOUISVILLE—*Anderson Bros. Southern Plan-
*Bell & Coggeshall Co. ing Mill
*Central Planing Mill & Lumber Co.
†Comstock, L. H. & Bro.
†Cook, Frank S. & Co.
†Gernert Bros. Lumber Co.
†Graham, S. P.
†Hughes, E. L. Co.
*Kentucky Sash & Door Co.
†Koehler, Henry & Co.
*Lortz & Frey Planing Mill Co.
†Mehler & Eckstenkemper Lumber Co.
*Struck, Alfred Co. (Wholesale Mfrs.)
*Struck, Alfred.
MAYSVILLE—†Collins, H. H. Lumber Co.
†Mathews, W. B. & Co.
†Ohio River Lumber Co.
MOUNT STERLING—McCormick Lumber Co.
Star Planing Mill Co.
NEWPORT—*Voss, Frank, 417 W 7th
*Weingartner's, Joseph Sons, 1027 Mon-
PADUCAH—Langstaff-Orm Mfg. Co. mouth
PARIS—Lowry & Talbott
RUSSELLVILLE—*Roberts & Brown
SHELBYVILLE—*Gruber, L. H. & Sons.
†Hall, W. H. & Son
†Sharp, D. N.
WARSAW—*M'Dannell, J. H. & Sons.

LOUISIANA.

ALEXANDRIA—Hayslip & Dear
LUTCHER—*Lutcher & Moore Cypress Lumber Co.
NEW IBERIA—*Iberia Cypress Co. (Ltd.)
*Trainor's, O. J. Son
NEW ORLEANS—*Algiers Mfg. Co., 240 Gen. Meyer av
*American Mfg. Co. (Ltd.), 2101 Louisiana
*Berwick Lumber Co. (Ltd.), 2333 Clio
*Builders' Supply Co. (Ltd.), 2019 Magazine
*Central Mfg. & Lumber Co., Perdido, c S Salcedo
*Chalin, Henry & Co. (Ltd.), 745 Levee
*Crescent City Mfg. Co. (Ltd.), 1205 Montegue
*Franklin Sash Factory, 2125 Calliope
*Lambou & Noel Lumber & Mfg. Co. (Ltd.), c N Peters & Kentucky
*Lewis, H. F. Co. (Ltd.), 316 Baronne
*Lhote Lumber Mfg. Co., Toulouse c N Liberty
PATTERSON—Riggs Cypress Co. (Cypress) (Wholesale Mfrs.)
SHREVEPORT—*Allen Mfg. Co.
*Hardman, C. C. & Co.
*Victoria Lumber Co. (Ltd.)

MAINE.

AUGUSTA—†Augusta Lumber Co.
*Lawrence, Newhall & Page Co.
BANGOR—†Dickey, Wm. P. & Co.
†Haynes & Chalmers Co.
*Morse & Co.
†Rice & Miller
BATH—*Passmore, H. T. & Co.
BELFAST—*Durham, J. C.
†Hall, C. B.
*Mathews Bros.
BERWICK—*Nutter, J. C.
BIDDLEFORD—†Banks, C. K.
CAMDEN—*Camden Lumber Co.

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CARIBOU—*Ellingwood Bros.
CHERRYFIELD—*Wilson, E. K.
†Wingate, E. R.
DEXTER—Eldridge Bros.
EASTPORT—†Capen, Geo. W.
†Wadsworth, S. L. & Son
ELLSWORTH—†Curtis, A. W.
*Bonsey, E. & Son
FAIRFIELD—†Totman, A. H.
FORT FAIRFIELD—*Stevens, L. W.
FOXCROFT—†Steward, J. H. & Son
GARDINER—†Smith, Benj. S.
HOULTON—*Davis, I. H.
*Van Wart & Whitney
LEWISTON—*Adams & White
LIVERMORE FALLS—†Sewall, E. & H.
MACHIAS—*Foster & Bryant
MADISON—*Dane, J. H.
MECHANIC FALLS—†Weston, A. J.
NORWAY—†Hathaway, C. L.
PITTSFIELD—*Bryant & Co.
PORTLAND—†Allen, W. A., 125 Somerset
*Berlin Mills Co.
†Burrowes, Jno. W., 112 Preble
†Farnham, H. F. & Co., R R Wharf
†Leavitt, James. A. & Son, 306 Commercial
*Nelson Mfg. Co. (Blinds), 273 Middle
*Portland Door, Sash & Blind Co., 477
†Smith & Rumery, 510 Fore Fore
ROCKLAND—†Glover, W. H. & Co., 451 Main
SANFORD—†Brown, O. W., Main
SKOWHEGAN—*Dane, J. H.
*Page, Ira W., Jr.
*Robinson Bros.
WATERVILLE—†Arnold, W. B. & Co., 100 Main
†Hanson, Webber & Dunham, 99 Main

MARYLAND.

BALTIMORE—*Balto Sash & Door Co., Howard & West
*Dorsey, Wm. C., Highland vs & Phila. road
*Duker, O. Co., Canton av & Albemarle
†Foster, James P. & Co., 115 S Frederick
*Gilbert, J. L. & Bro., East Falls & Eastern ays
†Grauer, George, 326 Belair av
†Hanneman, Aug., Monument c Milton av
†Heise, Bruns & Co., 600 S Caroline
†Keen, W. F. & Co., York rd & Carroll av
*Lafayette Mill & Lumber Co., 2100 W Lafayette av
*Morgan Co., Union Trust bldg. Main offices & factory at Oshkosh, Wis.
†Mottu, Theo. & Co., 1022 Penna av
†Scherer, Wm. C., 810 W Balto
*Short, John H., Uhler's alley
*Sloan, Geo. F. & Bro., 1103 S Paul
*Sloan, Geo. F. & Bro., 414 Light
†Sunner & Gerlach, 1401 N Register
*Thomas, Jos. & Son, 818 Leadenhall
*Tinley Bros. Co., Bush & Nanticoke
*Wagner, Lewis & Co., Wolfe & Thames
CHESTERTOWN—*Culp, W. S. & A. M.
CUMBERLAND—†Cumberland Sash & Door Co.
ELKTON—†Keys & Miller Lumber Co.
EMMITSBURG—†Zimmerman, E. R. & Son
FREDERICK—*Wilcoxon & Brown
HAGERSTOWN—*Snyder, Geo. C. & Co.
HAVRE DE GRACE—†Dubois, Jno. E.
LAUREL—†Shaffer, C. F.
LUKE—*Sigler, Wm. T.
SALISBURY—*Adkins, E. S. & Co.
*Mitchell, Thos. H.
†Williams, L. E. & Co.
SNOW HILL—†Corddry, W. D. & Son

MASSACHUSETTS.

ADAMS—†Arnold, H. J. & Sons
†Holden, M. J. Lumber Co.
ATHOL—*Raymond, Alfred J.
*Tyler, A. F.
AYER—†Phelps, Levi W.
BARRE PLAINS—*Rich, T. E. Co.
BOSTON—*Bailey, E. W. Co., 24 Kneeland
*Brockway-Smith Corp., 18 Washington
†Carlisle-Ayer Co., 28 Washington, N
†Carlisle, E. A. & Pope Co., 2 Sudbury
*Chapman, H. B., 166 Devonshire
*Cutter & Smith Co., 19 Warren, Rox.
*D'Arcy & Sons Co., 61 Washington, N
†Ellms, H. E. & Co., 22 Washington, N
*Farrell, C. H. & Co., 6 Northampton
†Hastings, A. W. & Co., 134 Friend
†Jackson & Newton Co., 29 Haymarket sq
*Johnson, Thos. J. & Co., 896 Washington
*Kinnear Mfg. Co., 85 Water
*Newton, F. C., 57 Bristol
†O'Connor, T. W. Co., 125 Haverhill
*Skinner & McManus, 41 Beverly
*STEARNS, A. T. LUMBER CO., Neponset. (See adv. index, end of book)
*West End Sash Co., 61 Washington, N
BROCKTON—†Mitchell, L. & Co.
†Taunton Lumber Co.
CAMBRIDGE—*Hersey, Ira G., 113 B'way
CLINTON—*Fuller, Wm. A.
†Howe, N. L.
FALL RIVER—*Blossom, B. & Son
†Borden, Cook & Co., 650 Davol
†Neill, Joseph O., 130 Bedford
†Prosser, Wm. & Son, 185 Pleasant
†Skinner, A. H.
FITCHBURG—†Johnson, W. C., 109 Water
†Lawrence, Ivers P.
*Leger, Dosithe
*Priest, C. A. Lumber Co., 45 Rollstone
†Webber Lumber Co., 31 Newton pl
GARDNER—†Favor, M. M.
†Wright, L. A. & Co.
GLOUCESTER—†Nauss, L. B. & Sons
GREENFIELD—†Franklin County Lumber Co.
HAVERHILL—†Chase, D. D. Lumber Co.
†McGratty & Wheeler, 44 Main
HINGHAM—Whitney, E. E.
HOLYOKE—*Ely Lumber Co.
*Merrick Lumber Co., nr B. & M. M. R. R. freight depot
*Ranger, Casper, 10 Bond
HUDSON—†Robertson & Larkin
HYANNIS—Sears, J. K. & B. & Co.
HYDE PARK—*Hodgkinson, J. & Son
LAWRENCE—*Briggs & Allyn Mfg. Co., 20 Winter
†Dillon, John, 100 B'way
†Lawrence Lumber Co., 616 Essex
LOWELL—†Bennett, J. C. Co., 504 Middlesex
*Pratt, Amasa Co., 706 Dutton
LYNN—*Brockway-Smith Corp'n, 117 Pleasant
†Hutchinson Lumber Co., Broad c Wash'n
*Marshall Co., 149 Pleasant
MALDEN—†Kaulbach, W. S.
†Malden City Lumber Co.
MARBLEHEAD—*Bowden, T. J & Son.
MARLBORO—†Elliott Lumber Co., 128 Lincoln
MIDDLEBORO—†Sears, J. K. & B. Co.
NATICK—†Fiske & Co.
NEW BEDFORD—*Allen, A. W. Co., 193 N Water
*Blossom Bros., 172 N Water
*Greene & Wood
†Nicholson, John G.
†Sherman, James L.
NEWBURYPORT—†Cutter, F. E. & Son, 48 Merrimac
NORTH ADAMS—*Dibble (The), S. B. Lumber Co.
NORTHAMPTON—†Merrick Lumber Co., Merrick la
PITTSFIELD—†Berkshire Lumber Co.
*Blakeslee Lumber Co.
†Butler, James H. Lumber Co.
*Faulkner, Geo. W.
†Ferry, C. S. & Sons
*Hume, Edgar B.
*Osteyee Bros.
PLYMOUTH—†Atwood, E. B.
†Robbins, L. T.
PROVINCETOWN—†Dyer, B. H. & Co.
SOMERVILLE—†Davenport-Brown Co.
†Rice, W. P.
SOUTHBRIDGE—*Clemence, J. M. & L. D.
SOUTH HADLEY—*Howard, Gaylord & Co.
SOUTH HADLEY FALLS—†Street Lumber Co.
SPRINGFIELD—†Decker, E. S. Lumber Co.
*Hampden Lumber Co.
*Walker, T. M. & Co.
TAUNTON—†Sanders, C. V. & Co., 68 Weir
*Williams, A. G. & Co., 62 Weir
TURNERS FALLS—†Bartlett, Joseph F.
WAREHAM—†Grifford, Prince
WEBSTER—†Pattison, Louis E.
WESTFIELD—*Boyle, John E.
†Merrick Lumber Co., 280 Elm
WILLIAMSTOWN—†Waterman & Moore
WORCESTER—†Adams & Powers, 171 Union
†Baker Lumber Co., 82 Foster
†Clark, L. C. Co.
†Griffin, W. E. Co.
*Stevens, F. O., 144 Union

MICHIGAN.

ALBION—†Wilder, S. A. & Son
ALPENA—*Gebhardt, Morrow & Co.
ANN ARBOR—*Luick Bros.
BATTLE CREEK—†North & Strong
*Rathbun & Kraft Lumber Co., Ltd.
BAY CITY—*Lamont, Matthew
*Lewis Mfg. Co.
BENTON HARBOR—†McDonald, James
BIG RAPIDS—*Jones & Green
BRIGHTON—†Hyne, F. T.
CADILLAC—Cadillac Lumber Co., Haynes Bros.
CALUMET — *Armstrong-Thielman Lumber Co.
CHARLEVOIX—*Charlevoix Lumber Co.
CHARLOTTE—†Webster, Colsb & Co.
CHEBOYGAN—*Cheyboygan Mfg. Co.
COLDWATER—†Pollock, S. & Son
DETROIT—*Beyster, John, 875 W Fort
*De Man Bros., 416 Maybury Grand av
*Hertz & Hosbach Co., 4th and Holden
†Houston, Jas. D., 415 16th av
*Huebner Mfg. Co., Mt. Elliott av & M. C. R. R.
*Hurd, W. F. & Co., 200 Campbell av
*Japes, Frank Co., 8th & Plum
*Kotcher, C. W., 639 Gratiot av
*Lowrie & Robinson, 2596 W Jefferson av
*Munroe, Wm. Co., 1000 Scotten av
*Nicholson Mfg. Co., 456 Brooklyn av
*Sibley, F. M. Lumber Co., Kercheval av & M. C. R. R. Belt Line
*Weber, J. F. & Co., 300 Gratiot av
ELSIE—†Wooley, J. B. & Sons
ESCANABA—*Williams, Nick
FLINT—†Randall Lumber & Coal Co.
GRAND RAPIDS—*Dupree, John & Co., 29 Taylor
*Fuller & Rice Lbr. & Mfg. Co., 11 I
*Letellier, F. & Co., 222 Canal Bridg
*Stiles Bros., 1st av, c M. C. R. R.
GREENVILLE—†Belknap & Son
HANCOCK—†Stringer, Jas. S.
HARBOR BEACH—*Wellock, Robinson
HOLLAND—*Kleyn Lumber Co.
HOUGHTON—*Pryor, James & Son
IRON MOUNTAIN—†City Lumber Yard
†Laing, H. H. & Co.
IRONWOOD—†Williams, E. B.
JACKSON—†Lathrap, C. C., 258 Michigan av
KALAMAZOO—*Dewing & Sons, 42 N Jackson
Kalamazoo Woodworking Co.
*North & Coon Lumber Co.
LANSING—*Rikerd Lumber Co.
LAPEER—*King, Robert Lumber Co.
*Tuttle & Burritt
LAURIUM—*Bray, N. S.
LUDINGTON—†Cartier-Magmer Co.
*Widmark, H. P. & Son
MANISTIQUE—*Weston Lumber Co.
MARCELLUS—*Hoover, H. J.
MARINE CITY—†Zimmerman Bros.
MARQUETTE—*Read, F. W. & Co.
MENOMONEE—†Gilbout, L. E.
*Kartheiser, Frank
MILFORD—*Byrne, P.
MONROE—†Beck, C. F. & Son Co.
MUSKEGON—*Langeland Mfg. Co.
NADEAU—*Jean, Augustine
OWOSSO—†Sturtevant & Blood
PAW PAW—*Free & Morrison
PORT HURON—†Boyce Hardware Co.
*Home Mfg. Co.
†Sperry, J. R.
†Sturmer, Richard T.
†Taylor, C. F.
QUINCY—*Salisbury, J. N.
SAGINAW—*Avery & Co., 309 Hayden
*Bliss & Van Auken, 1101 S Niagara
*Booth & Boyd Lumber Co., Holden & Bass
*Hardin, D. Co., 605 S Niagara, W S
†Jackson, Thos. & Co., 2010 S Michigan av W I
*Mershon, Schuette, Parker & Co. (Wholesale Mfrs)
*White, Albert C., S Jeff & Euclid av
ST. CLAIR—*Mills, N. & B.
ST. JOSEPH—†Wallace, Jno. & Sons
SAULT SAINTE MARIE—*Lock City Mfg. Co
SEBEWAING—*Sebewaing Lumber & Mfg
SHELBY—†McKinnon, Jessie
†Rankin, A. J.
†Spellman, S. & Co.
SPRINGPORT—†Hoag, Houston
STANTON—†Pierson, John W. & Co.
TECUMSEH—*Lenawee Lumber Co.
TRAVERSE CITY—*Grellick, J. E. Co.
†South Side Lumber Co.
WALDRON—*Abbaduska & Son
†Gish, Charles M.
WAYNE—†Wallace, J. B.
YPSILANTI—†Fuller, George & Son
†Webster Bros. & Sons

MINNESOTA.

ADRIAN—†Shull, J. & W. C.
BLOOMING PRAIRIE — †Solberg, A. Lumber Co
CLOQUET—*Cloquet Lumber Co.
†Fish, L. A. & Co.
†Loisel, Jos.
*Northern Lumber Co.
DULUTH—*Duluth Lumber Co.
*Ouellette & Baxter Co.
*Scott-Graff Lumber Co.
*Wallinder, E. G.
FERGUS FALLS—*Fergus Mfg. Co.
FRANKLIN—†Hanner Lumber Co.
MANKATO—*Mankato Interior Mfg. & Lbr. Co
MELROSE—*Richmond, R. C.
MINNEAPOLIS—*Anderson, Fred, 2810 Bryant av
*Bardwell-Robinson Co., 24th av and 3d

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*Bintner & Lawson, 58 S 12th
*Carlson, Aaron, 15th av nr Central av
*City Mfg. Co., Lumber Exch.
*City Sash & Door Co. (Wholesale Mfrs.), 230 S 4th
*Curtis & Yale Co., Security Bank bldg
†Eddy Sash & Door Co., 125 2d, N E
*Fulton & Libbey Co., 1428 N 2d
*Joannin-Hansen Co., 2308 N 2d
*Johnson, H. S. & Co., 18th av c Marshall
*Johnson, Smith & Co., 1311 Yale av
†Johnson, W. W. Lumber Co., Lumber Exch.
†McCulloch-Kuhn-Atkinson Co., Lumber Exch.
*Minneapolis Sash & Door Co., 1018 Central av
*Nelson-Tuthill Lumber Co., Central av, cor B'way
†North Side Lumber, Sash & Door Co., 214 10th av, N
*Simonson Bros. Mfg. Co., 1713 S 7th
*Smith & Wyman, 2d av & 8th
†Stewart, Carl L. Lumber Co., New York Life bldg
†Thompson-McDonald Lumber Co., Lumber
*Union Sash & Door Co., 218 S 8th Exch.
*Waterman-Hunter Co., 515 1st av N E
*Wilcox, J F., 1030 Marshall
ORRIS—†Jones, Edw. J.
ED WING—*Betcher, Chas. Lumber Co.
OCHESTER—†Dodge, W. H.
T. CLOUD—*Raymond & Dunnewald Mfg. Co.
*Wright & Smart
T. PAUL—*Abbott Mfg. Co., 298 E 6th
*Brooks Bros., 1923 W University av
†Hardwood Door Co., 7 Corners
†Lumb Lumber Co., 100 W 5th
*Osgood, Blodgett Mfg. Co., Duluth av, n E 7th
*St. Croix Mfg. Co., Ryan bldg
†St. Croix River Lumber Co., 185 E Fairfield av
*St. Croix Sash & Door Co., 185 E Fairfield av
*St. Paul Sash, Door & Lumber Co., Arundel & Minnehaha
*Villaume Box & Lumber Co., 123 W
UK CENTER—†Ingram Lumber Co. Isabel
ILLWATER—*St. Croix Lumber Co.
*St. Croix Mfg. Co.
*Stillwater Mfg Co.
IEF RIVER FALLS—*Thief River Falls Lumber Co.
RREN—†Robertson Lumber Co.
†St. Hilare Lumber Co.
NONA—*Empire Lumber Co.
*Laird-Norton Co.
*Schroth & Ahrens Co. (Wholesale Mfrs.)

MISSISSIPPI.

OXI—*Rosell, T. J. Mfg. Co.
INTH—†Pocahontas Lumber Co.
ENVILLE—†Harty, J. J.
†Neal, Dolph
KSON—*Enoch's Lumber & Mfg. Co.
Jackson Lumber Co.
IDIAN—*Rostick Lumber & Mfg. Co.
CHEZ—*Hill Lbr. & Mfg. Co.
KSBURG—*Curphey & Mundy
Mississippi Lumber Co.
Spengler, A. & S.

MISSOURI.

LING GREEN—†La Crosse Lumber Co.
LER—Logan, Moore Lumber Co.
att, H. C. & Son
ON—Canton Lumber Co.
GIRARDEAU—Jones & Bohle
Rees Bros. Mfg. Co.
HAGE—†Harrison, J. F.
ome Lumber Co.
homas, B. F.
LSIOR SPRINGS—†Chicago Lumber Co.
lee, S. R.
MINGTON—*Doughty, D. J.
ing & Bro.
tler-Klein Lumber Co.
ERICKTOWN — †Fredericktown Lumber
OW—†Hagerdorn, D. Co.
all Bros.
NIBAL—Conlon, John R.
nnibal Door & Sash Co.
yer, J. F. & Co.
ON—†Caldwell, H. L.
KSON CITY—*Wallau, Henry J.
S—*Joplin Sash & Door Co.
ller, L. F.
ewart Bros.
S CITY—*American Sash & Door Co. (Wholesale Mfrs.), 10th & Bellefontaine
mourdale Lumber Co., Kansas av c Brent
ager Lumber Co., 803 Postal Tel. bldg
t Line Lumber Co., Vine c 20th
nce Lumber Co., 20th & Grand av
†Byrne, J. M. Lumber Co., 20th & Wyandotte
Clark & Bates Lumber Co., Commercial bldg
†Creel, T. C. Lumber Co., 5th c Central
†Deatherage Lumber Co., 1600 Indiana av
†Dierks Lumber & Coal Co., R. A. Long bldg
†Dierks & Sons Lumber Co., 4620 Frost av
†Foster Lumber Co., R. A. Long bldg
†Lee & Lyman, 24 E 18th
*Louisiana Central Lumber Co., 1111 R. A. Long bldg
*Lovejoy, G. W., S. W. cor Campbell
†Merrill, J. W., S. W. Boul & Summit
*Roach & Kienzle Sash & Door Co., 16th & Bellefontaine
*Sawyer & Austin Lumber Co. (Wholesale Mfrs.)
Schmidt & Wible Mercantile Co., 1219 McGee
†Shutte, S. Z., 25th c Grand
*Western Sash & Door Co., Grand av & 23d
LEBANON—†Lingsweiler, J. G.
LOCKWOOD—†Eaton, W. R. & Co.
MARCELINE—*Pancost, L. E.
MARYVILLE—†McNeal-Parcher Lumber Co.
MOBERLY—†Mounce, D. H. & Co.
NEOSHO—*Neosho Planing Mill Co.
NEVADA—†Robinson, J. B. & Son
PALMYRA—†Noble, G. A.
RICHLAND—†Lingsweiler, Edw.
ST. JOSEPH—*American Sash & Door Co.
†Badger Lumber Co., 6th & Penn
†Biles, N. D. L. & Co., 1422 S 6th
†Dougherty & Moss Lumber Co., 10th & Mitchell
*Huttig-Moss Mfg. Co., 4th, cor Mitchell av
†Nold, Chas. H. Lumber Co., 1212 N 4th
†St. Joseph Lumber Co., 1401 Frederick av
ST. LOUIS—*Banner Sash & Door Co., 8025 S B'way
*Carondelet Mill Co., 7020 S Broadway
*Crescent Planing Mill Co., 3227 N 9th
*De Hodiamont Planing Mill Co., 6101 Minerva av
*Fathman & Miller Planing Mill Co., 1000 Old Manchester rd
*Frye Mfg. Co., Tiffany & Vista av
†Ganahl, John J. Lumber Co., 2d c Park av
*Ganahl Planing Mill & Mfg. Co., Kosciusko & Gever av
*Gaus, Henry & Sons Mfg. Co., 2130 N Main
*Gravois Planing Mill Co., Juniata & Gravois av
*Great Western Planing Mill Co., 400 St. George
*Hafner Mfg. Co., Main & Dock
*Huttig Sash & Door Co., 1206 Manchester rd
*Imse-Schilling Sash & Door Co., Papin c
*Kuenzel, A. Mfg. Co., 2710 S 3d 21st
Lecouter Bros. Stair Mfg. Co., 3015 Salena boul, cor Mo. Pac. Ry.
Lohse Patent Door Co., King's Highway boul
*Maplewood Planing Mill & Stair Co., 2731 Sutton av
*Mechanics' Planing Mill Co., 3746 N B'way
*Olcott, Chas. A. Planing Mill Co., 3300 N B'way
*Phoenix Planing Mill Co., c 12th & Spruce
*Reed-Steeger Sash & Door Works, 5149 Shaw av
*Riddle, Rehhein Mfg. Co., 13th & O'Fallon
*St. Louis Mfg. Co., 1523 N 13th
*St. Louis Sash & Door Works (Wholesale), Dock & Main
*Schaerff & Pfau, Kosciusko, n Gever
†Simplex Revolving Sash Co., 306 N B'way
*Theilling-Lothmann Mfg. Co., 8810 N 9th
*Thomsen Planing Mill Co., 1700 Old Manchester rd
*Thuener, Chas. Planing Mill Co., Prairie av, s w c Lucky
*Tower Grove Planing Mill Co., 1321 Kentucky av
*Wabash Wood Working Co., 601 S Newstead av
SPRINGFIELD—†Campbell Lumber Co.
*Davis Planing Mill Co.
†Garrett, W. L.
†Hatten Lumber & Supply Co.
†Hummel Lumber Co.
*Springfield Planing Mill & Lumber Co

MONTANA.

ANACONDA—*Anaconda Copper Mining Co.
BILLINGS—†Billings Lumber Co.
BUTTE—Big Blackfoot Milling Co.
Carroll, J. T. Lbr. Co.
Western Lumber Co.
GREAT FALLS—Holter Lbr. Co.
KALISPELL—Kalispell Lumber Co.
*McMannamy, Wm. P.
MISSOULA—*Missoula Lumber Co.
RED LODGE—†Bowlen, Chas. C.

NEBRASKA.

BEATRICE—*Beatrice Planing Mill Co.
*Thistlewait Bros.
KEARNEY—†Gilchrist, F. H. Lumber Co.
†Seeley, C. S.
LINCOLN—*Curtis & Bartlett Co.
Searle & Chapin Lumber Co., 737 N
Trester Lumber, Coal & Ice Co., 103 S 11th
NEBRASKA CITY—*Erwin, Ellis, 205 S 4th
OMAHA—*Adams & Kelly&Co., 1529 Sherman av
*Bloom, Alfred Co., 1502 California
†Bullard, Hoagland & Benedict, Izard c 20th
†Cady, H. F. Lumber Co., Douglas c 6th
*Chicago Lumber Co. (of Omaha), 814 S 14th
†Dietz, C. N. Lumber Co., 1214 Farnam
*Disbrow, M. A. & Co., 1201 Nicholas
†Guiou & Ledwich, 1024 N 18th
†Hampton Lumber Co., 1242 S 10th
†Hoagland, G. A., 9th & Douglas
Omaha Wood Working Co., 1029 S 18th
*Rosenberry, A., 1501 Marcy
†Wagner & Buchanan, 23d & Paul
†Wells Lumber & Coal Co., 1301 Military
†Wentworth, Lew, Paxton blk
SOUTH OMAHA—†Bradford, Louis Lumber Co.
†Howland, E. H. Lumber & Coal Co.
†Watkins, J. B. & Co.

NEVADA.

GOLDFIELD—*Blair, C. C.
RENO—*Reno Mill & Lumber Co.
VERDI—*Verdi Lumber Co.

NEW HAMPSHIRE.

BRISTOL—†Wells, B. I. & A.
CENTER OSSIPEE—*Smart, C. H.
CONCORD—*Carpenter, Wellington, 7 Bridge
†Drake, Clifton W.
EPSON—*Marden, Freeman
FARMINGTON—†Mooney, Frank E.
GOFFSTOWN—Kendall, Hadley & Co.
KEENE—*Nims, Whitney & Co.
†Thayer & Collins
LAKEPORT—†Boulia, Gorrell Co.
LANCASTER—†Smith, Frank & Co.
*Thompson Mfg. Co.
LEBANON—*Spencer Bros.
LITTLETON—†Littleton Lumber Co.
MANCHESTER—*Derryfield Co.
†Head & Dowst Co., 97 Granite
*Hodge, J.
†Hubbard, Wm. F. (Est. of)
MARLBORO DEPOT—*Sherman Bros.
MILFORD—†Peirce, Geo. H. & Co.
†Smith, C. H. V.
NASHUA—*Gregg & Son
†Otis, B. B. Co.
*Roby & Swart Mfg. Co.
PENACOOK—*Rolfe, C. M. & A. W.
PLYMOUTH—†Smith, Jared A.
ROCHESTER—†Rochester Lumber Co.

NEW JERSEY.

ASBURY PARK—*Asbury Park Mill Co.
*Buchanon & Smock Lumber Co.
ATLANTIC CITY—*Somers Lumber Co.
BAYONNE—†Booth, A. W. & Bros., Orient &
BOONTON—*Todd, S. C. Linnett
BRIDGETON—*Loper, A. F.
BURLINGTON—*Severns, J. T. Sons & Co.
CAMDEN—*Coles, C. B. & Sons Co., Front & Chestnut
*Cooner, Wm. J. & Co., 221 Kaighn av
†Fredericks, Wm. H., 122 Arch
EAST ORANGE—*Curtis Bros.
ELIZABETH—*Buttler, H. V. & Co.
†Heidritter, F. L. & A.
FREEHOLD — †Reid, Leonard G., Spring nr B'way
FRENCHTOWN—†White, Charles
HACKENSACK—†Young, Frank
HAMMONTON—†Bernshouse, Wm. H.
HOBOKEN—*Gahagan's, J. Sons, 217 Adams
†Kortlang, H., 556 Ferry
HOMESTEAD—Hollingshead, D. R. (Est. of)
JERSEY CITY—*Barnes Mfg. Co., West Side av and D. L. & W. R. R.
†Engler, Chas. H., Kearny av nr West Side
*Prospect Sash & Door Co., 135 Palisade
*Schulz, T. Sash & Door Co., 467 Pacific
*Woodhouse & Co., 1 Bishop av
†Woodstock Co., West Side av nr St. Paul'
KEARNY—(See Arlington) av
MADISON—†Smith, J. M. Co.
MANASQUAN—†Taylor, W. P.
MATAWAN—†Bailey, Wm. D.

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MILLVILLE—*Kimball, Prince & Co.
MOORESTOWN—†Collins, John S. & Son
MORRISTOWN—†Ennis, C. W. & Co.
†Mills, Geo. A. Wood Working Co.
MOUNT HOLLY—†Ewan, Josiah W.
NEWARK—*American Saw & Planing Mill Co., 307 18th av
*Barkhorn, Wm. H., 281 S 8th
†Bischoff, William, 501 Bergen
*Craig, J. R. & Co., 131 N. J. R. R. av
*Empire Sash & Door Co., 228 W Kinney
†Fir Door Co., 20 Lawrence
†Glasby Lumber Co., 11 Badger av
†Goldingay, Charles, 88 E Kinney
*Hatt, J. William, 135 Halsey
*Mauli, G. F., 780 S 18th
*Newark Door Co., 221 Sussex av
*Russell, W. B., 40 Lawrence
*Schill, Fred'k & Co., 102 Charlton
*Schrafft, A. Moulding Co., Bruen & Ham-
*Tabor Sash Co., 61 Polk ilton
*Welte Lumber Co., 667 S 10th
NEW BRUNSWICK—*Buttler, H. V. & Co.
ORANGE—*Barber, Chas. L., 112 Railroad av
*Romine, Jacob K. & Son, 21 Reock
PASSAIC—†Crane, Floyd H.
PATERSON—*Florance Bros. Mfg. Co.
†Graham, Jos. R. (Est. of), 425 Grand
†Jackson-Bergen Co., Clay c Railroad av
PERTH AMBOY—†Farrington Co.
PLAINFIELD—†Burdick, Jesse G.
*McCullough, Richard H.
RED BANK—*Waters & Osborn
RUTHERFORD—*Soley, Chas. R. Co.
SALEM—*Bell, W. W. & Co.
SOUTH SEAVILLE—Collins, J. P.
TRENTON—*Conner Millwork Co.
*Leuckel, A. K. & Co.
VINELAND—*Kimball, Prince & Co.
†Pixley, Albert B.
WASHINGTON—*Alleger's, E. W. Son
†Gulick, Walter D.
WESTFIELD—†Tuttle Bros.
WOODBURY—Woodbury Mill & Lumber Co.

NEW MEXICO.

ALBUQUERQUE—†Baldridge, J. O.
LAS VEGAS—*Sundt, M. M.
SANTA FE—†Dudrow, C. W.
*Hesch, Philip, Sr.

NEW YORK.

ADAMS CENTER—*Green, O. D., Jr.
ADDISON—*Park, Winton & True
ALBANY—*Burton, Wm. H. Co., cor N Lansing & Center
†Cameron & Hawn, 608 Central av
*Stephens, Thomas & Sons, 277 Lark
ALBION—*Mallory, C. M.
ALLEGANY—*Hall, W. M.
AMSTERDAM—*Brookside Lumber Co.
ANTWERP—†Bethel, George D.
ARCADE—Arcade Planing Mill Co.
AUBURN—†Pomeroy, T. M. & Co.
BALLSTON—*Reynolds, M. T.
BARKER—†Lum, L. C.
BATAVIA—*Batavia & N. Y. Woodworking Co.
BATH—*Beekman Sash, Door & Woodworking Co.
BINGHAMTON—*Bartlett & Co. Co.
†Ensign Lumber Co., arvis nr E. R. R.
†Middlebrook, C. D. & Son, 226 State
*Roberson, Alonzo & Son
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—*Builders' Planing Mill Co., 187 Michigan
*Churchyard, Jos. J., 650 Clinton
*Dohn, Fischer & Beyer, 1340 Niagara
*Elias, G. & Bro., 965 Elk
*Feist, John & Sons Co., 111 Ash
*Flierl, Christian, 1356 Genesee
*Gilmour, David Door Co., 579 Tonawanda
*Hager, E. M. & Sons Co., 141 Elm
Iroquois Door Co., Exchange & Larkin
*Koch, W. F., 121 Davey
*Metz, Jos. & Sons, 292 Elm
*Montgomery Bros. & Co. (Inc.), Court & Wilkeson
†Whissel Lumber Co., 1079 Clinton
†Smith-Blanchard Lumber Co., 1035 Fillmore
†Zeis, M. & Sons, 200 Cherry av
Zimmermann, Geo. M., 309 Pine
CANAJOHARIE—†Smith, Hugh M.
CANANDAIGUA—†Thompson, George T.
CANTON—†Rushton, J. W.
CARTHAGE—†Vrooman, Wallace B.
CATSKILL—†Lampman, Wm. E.
CAZENOVIA—*Thayer, T. W. Co.
CHAMPLAIN—†Earl, Jno.
CHERRY VALLEY—†Wales, Robert & Son
CLINTON—†Coleman, E. G.
COBLESKILL—†Courtier, Stanton
COHOES—*Breault, Medard Co.
*Griffin, A. J. & Son
COLD BROOK—†Rhodes & Connor
COLLIERSVILLE—*Fox, F. M.
COPENHAGEN—†Cary, James
CORNING—*Corning Building Co.
CORNWALL LANDING—†Taft-Howell Co.
CORTLAND—†Benton, H. F. Lumber Co.
CROGHAN—†Virkler, Emanuel
CROWN POINT—†Bly, N.
*Pond, J. E. & Son
DANSVILLE—*Fisk Bros.
DEPOSIT—†Kerr, F. M.
DEXTER—†Bininger, Hy.
†Leonard & Gilmore Co.
DUNKIRK—†Atlas Builders' Supply Co.
*O'Donnell, M. J. & Co.
*Madigan & Co.
EARLVILLE—†Todd & Gurney
EAST AURORA—*Peek, S. H.
EDMESTON—†Ackerman, E. L.
ELLENVILLE—†Bailey & Deyo
ELMIRA—*Doane & Jones Lumber Co.
*Elmira Sash, Door & Blind Co.
*Spaulding, H. C. Co.
FALCONER—*Chautauqua Planing Mill Co.
FREDONIA—*Edmonds, R.
FRIENDSHIP—*Empire Sash & Door Co.
FULTONVILLE—†Mohawk Valley Lumber Co.
GENEVA—†Moore, Daniel E.
†Rogers, R. J. Lumber Co.
GLENS FALLS—*Kendrick & Brown
GLOVERSVILLE—†Burr Bros.
†Holden, Charles J.
†Holmes, R. E.
GOUVERNEUR—†Carpenter, J. H.
*Van Duzee, S. B. Mfg. Co.
GOWANDA—*Forbush Planing Mill Co.
GRANVILLE—†Potter, Fred.
GREENE—†Lyon Iron Works
GREEN ISLAND—*Crampton & Belden
GREENPORT—†Corwin, C. L.
HAMBURG—Hamburg Planing Mill Co.
HEMPSTEAD—†Plyer, Wm. & Co.
HICKSVILLE—*Voight, C. H.
HOLLAND—*Holland Planing Mill Co.
HOLLEY—†Cole, N. L.
HOOSICK FALLS—*†Easton, Rising & Worden
HORNELLSVILLE—*McConnell Mfg. Co.
HORSEHEADS—*Tuttle, W. E.
HUDSON—Traver, W. H. & Son
ITHACA—†Dixon & Robinson
†Rumsey, C. J. & Co.
†Treman, King & Co.
JAMAICA—(See New York City, Borough of Queens)
JAMESTOWN—*Watson Mfg. Co.
*Wilson, John T.
JOHNSTOWN—†Stephenson, L.
*Youngglove, James I.
KEESVILLE—†Prescott, S. & Son
KINGSTON—*Coutant, A. K., North c Strand
†Mauterstock, Albert, 109 B'way
*Palen's, Henry W. Sons
*Traphagen & Hull Mfg. Co.
†Turck, W. J. Co., 75 E Strand
†Weeks, Theo., 70 Furnace
LANCASTER—*Knauber, Mrs. M. A.
†Weill, J. C.
LANSINGBURG—*Madden Lumber Co.
LAWRENCE—*Wood, John A. & Son
LEROY—*Lapp Bros.
*Rogers, F. C.
LESTERSHIRE—*Lestershire Lumber & Box Co.
LIBERTY—†Edmonds, Wm. F.
LITTLE FALLS—†Little, Andrew
LIVINGSTON MANOR—†Woolsey, P. H. Co.
LOCKPORT—†Clifford, Jas. & Bro.
†Henry & McGrath
*McDonough, Mrs. John
†Murphy Bros.
*Whalen, Jos.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—†Sloan Bros.
MALONE—†Kelly, Jno.
MAMARONECK—†Brewer, R. G.
MATTEWAN—†Forrestal, Jas.
MECHANICSVILLE — *Orcutt & Porter Co. (Doors Only)
MIDDLE GRANVILLE—Allen, G. Myron
MIDDLEPORT—*Rowley & Eddy
MIDDLETOWN—†Gordon & Gould
MILLERTON—†Beers & Trafford
MONTICELLO—†Allen, Wm. O.
†Smith, Isaac O.
MOORES—*Knapp, C. L. & Son
MOUNT KISCO—†Turner, Jerry B.
†Young, Halstead & Co.
MOUNT VERNON—*Burton & Fenton
†Cronenberg, L. & Sons
†Weiss, Charles H.
†Wilson & Adams Co.
NEWARK—†Keener, S. N.
NEWBURGH — †Newburgh Lumber Co., [illegible] River
Newburgh Planing Mill Co., c Johnes & Wilkin
NEW ROCHELLE—Mahlstedt, J. A. Lumber & Coal
New Rochelle Coal & Lumber Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — †Bossert, Louis & Son, [illegible] Ore
†Brooklyn Fireproof Sash & Door Co., [illegible] Richards
Brooklyn Lumber Co. (Wholesale Dealers) 458 Hamilton av
*Cropsey & Mitchell, Cropsey av & [illegible]
†Curtis Bros. Lumber Co., Liberty av c Pa[illegible] sinders
†Gardner, David P. & Son, 49 Fleet
†Gass, John H. Co., 601 Sackett
†Gerard, G. H. Son & Co., 257 Greenpoint
†Grau, Richard, 68 Eagle
†Hardy, Voorhees & Co., Met. av & Sc
†Hawkins, Geo. A. & Co., 44 Court
†Hitchings, Ben G., E 34th nr Av H
†Keshin, Blitstein & Co., 250 Moore
†Levin & Kronenberg, 287 Vesta av
†Lockard & Blake, 371 Fulton
*Loomis, John S. Co., Baltic & Nevins
†Macaulay, C. B., 255 18th
†Mayer, Michael, 181 Moore
*Meisel, Danowitz & Co., 55 Eckford
*Morganthaler's, Jacob Sons, 633 Sackett
*National Fireproof Sash & Door Co.,
†Newton, Albro J. Co., 528 Union
!Nolte, Wm. H. (Est. of), 55 Bogart
†Orr, J. C. & Co., West & Java
†Stanley & Unckles, 292 Butler

Boroughs of Manhattan & Bronx

NEW YORK—*Anderson & Co., 35 W 125
†Appel, Chas., 210 Lafayette
†Bayer-Catton Co., 194 Lewis
†Bird, W. D., 42 W 67th
†Blanchard, J. F. Co., Fuller bldg
†Bronx Sash & Door Co., 100 Adams
†Carl, John H., 514 1st av
*Champion Fire Proof Door Co., 277 Lafayette
*Chautauqua Planing Mill Co., 5 Beekman
†Conklin, Alfred R., 249 E 139th
*Empire City Wood Working Co., River
†Finn, Chas. F., 233 Canal W 12th
*Forbes, Jas. C., Walker av, Van Nest
*Hampden Lumber Co. (of Springfield, Mass.), 1 Madison
*Harlem River Lumber & Wood Work Co., E 138th & Gerard
*Haynes & Coryell, S Boulevard & 12th
†Hogan & Digenno, 49 E 135th
†Howell & Lawrence, 1788 1st av
†Kohart, Frank C., 21 Park row
†Leslie, John, 138 W 15th
McConnell Mfg. Co., 100 5th av
†Marx & Jacobsen, Tompkins & Delancey
†More, M. E. & Co., 489 5th av
*Mott Haven Trim Mill, 249 E 136th
*Murray & Hill Co., 617 W 130th
†Nesbit, D. M. Co., 116 Nassau
*Nesbit, F. T. & Co., 116 Nassau
*N. Y. Carved Moulding Co., 3rd Ct
*N. Y. Moulding Mfg. Co., 1648 First
Niagara Wood Working Co., 150 E 3rd
*O'Neill, Michael F., Walton & Cherry
†Palens', H. W. Sons, Fuller bldg
*Pritchard, E. M. & Son Co., 138th & Mott
*Raabe, Henry & Sons, 321 W 64th
†Read, Charles, 406 W 30th
†Reeb & Dinkins, 18 B'way
†Reynolds, Charles E., 327 E 63d
†Richardson & Dutt, 739 3d av & 127 E
†Schaettler, F. (Est. of), 533 W 34th
†Short, Thos. J., 280 9th av
†Terrell, Isaac H., 261 W 27th
†Thayer, T. W. & Co., 18 Broadway
Tide Water Bldg. Co., 1499 Franklin
Union Wood Working Co., 103 E [illegible]
Van Kannel Revolving Door Co.
*Van Nest Woodworking Co., West Farms rd, cor Van Nest
Wright Lumber Co., 148 W 38th

Borough of Queens.

JAMAICA—†Carpenter, Jno. B. Co.
LONG ISLAND CITY—†Quinn, H. F. & P.
ROCKAWAY BEACH—†Crabbe, Charles
OZONE PARK—†Gillespie, Earl A.
METROPOLITAN—†Reich, Val. E.

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Borough of Richmond.

PORT RICHMOND—†Mersereau, A. B. & Son
PRINCE BAY—†Graham, James
Sprague, Charles B.

(End of New York City)

NIAGARA FALLS—†Blows & Co.
†Haeberle Lumber Co.
*Steinbrenner, Carl
NORTH TONAWANDA—*Charlton, J. & T.
†Hoadley & Bennett
†Palmer, W. G.
*Thompson, Hubman & Fisher
NORWICH—†Scott, W. L. Lumber Co.
*Wheeler Co.
NYACK—†Gurnee, D.
OGDENSBURG—*Green, Landon A.
*Proctor Mfg. Co.
OLEAN—†Gillingham & Son
*Moore, E. R.
*Troy, Edw.
ONEIDA—†Marcellus, Geo. A.
Ruby, R. B. (Wholesale)
OSSINING—†Terwilliger's, L. Son
†Washburn & Todd
OYSTER BAY—†Heudrickson, A. C. & E. N. Co.
OZONE PARK—(See New York City, Borough of Queens)
PATCHOGUE—*Bailey, E. & Sons
PATERSON—*Pendleton & Townsend
PEEKSKILL—†Barker, Asbury
*Brctherton, Wm.
*Lamos, Charles A.
PENN YAN—*Patteson, W. M.
PERRY—*Andrus, David
PHOENIX—Phoenix Sliding Blind Co. (Blind Tenoned Doors)
PLATTSBURG—*Purdy, F. M.
†Sowles Hardware Co.
PLEASANTVILLE—†Cornell, S. W.
PORT CHESTER—†Slater, Charles W.
PORT HENRY—†Wallace, Geo. W.
PORT JEFFERSON—†Luper Bros.
PORT JERVIS—†Cogo, J. M. & Co., Orchard
PORT RICHMOND—(See New York City, Borough of Richmond)
POTTERSVILLE—†Hicks, H. J.
POUGHKEEPSIE—†Brooks & Co., 46 S Water
†Lumb, Geo. W. & Son, 23 N Water
†Lumb's, Levi Son, 55 Main
PRINCE BAY—(See New York City, Borough of Richmond.)
REDWOOD—*Cook & Smith
RHINEBECK—†Ackert & Brown, 45 E Market
RIVERHEAD—Lane Bros.
†Skidmore, Charles
ROCHESTER—*Bantleon Bros. Co., 221 N Water
*Chapman & Goetzman, River & N Water
*Crouch, Beaham, 99 West
†Evans, Chas. P., 7 Hill
Genesee Lumber Co., 45 Warehouse
Grauwiler, Jno. J., 9 Basin
*Ocorr & Rugg Co., N. Union & N. Y. C. R. R.
Smith Sash & Door Co., 175 Exchange.
Stalker, G. H., Platt & Allen
Vogel & Binder Co., 820 St. Paul
ROME—Beach Lumber Co.
Comstock, E., c George & Adams
RONDOUT—(See Kingston)
ROSLYN—†Hicks, John D. & Co.
ST. JOHNSVILLE—†Kneeskern, J. H. & Sons
SANDY CREEK—*Skinkle, A. C.
SANDY HILL—*Griffin Lumber Co.
†Kenyon Lumber Co.
SARATOGA SPRINGS—†Todd, E. R.
SCHENECTADY—†Van Voast, Albert & Sons, 37 John
SIDNEY—*Clark, G. A.
†Silver, M. L. & Co.
SINCLAIRVILLE—†Reed, R. & Co.
SKANEATELES—†Bench, J. & Son
†Schultz, J. L. & Co.
SUSPENSION BRIDGE—(See Niagara Falls)
SYRACUSE—†Grant's, Alex. Sons, 132 E Genesee
*Merriam Mfg. Co., 618 E Water see
†Wood Glass Co., 220 N Salina
TROY—*Madden Lumber Co., 599 1st av, Lans.
†Martin, Wm. E., Front nr Grand
TURIN—*Hughes, Hugh
UTICA—†Gibson, G. P. & Son, 718 Genesee
†Kellogg, Chas. C. & Sons Co., 40 Seneca
Thomas', Philip Sons, south of W. S. R. R.
WALDEN—†Dominick, D. C.
†Hasbrouck & Sloan
WALTON—†Stimpson, Edgar W.
WARRENSBURG—†Pasco, D. E.
WATERLOO—†Nugent & Co.
WATERTOWN—*Case & Folsom
†Charlebois Bros.
†Frost, John & Son
†Roblin & McKeon
†Sloat & Greenleaf Lumber Co.
†White & Sullivan
WATERVLIET—*Young, J. T.
WATKINS—†Banks & Woodward
WEBSTER—*Leake, S. S.
†O'Dell Bros.
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WEST WINFIELD—†Weeks, Geo. S.
WHITEHALL—*Wilson, F. J.
WHITE PLAINS—†Clark, C. H. Co.
WHITESBORO—†Dentan & Waterbury
WILSON—†Dwight, A. N.
YONKERS—†De Angelis, Fred'k
*Lawrence & Conkling
*Mitchell, Saml. P. (Est. of)
*Yerks Co.

NORTH CAROLINA.

ASHEVILLE—*Jones, Wm. M. Lumber Co.
†Scott Lumber Co.
*Westall, W. H. & Co.
CHARLOTTE—*Carolina Mfg. Co.
†Lewis, J. W. & Co.
†Ward, W. W. & Co.
†Wearn, J. H. & Co.
†Withers, B. F.
DURHAM—†Mangum, F. R. & Co.
ELIZABETH CITY—†Sharber & White
GREENSBORO—*Cape Fear Mfg. Co.
GREENVILLE—Greenville Mfg. Co.
HENDERSON—*Watkins, Jno. B.
HICKORY—Hickory Mfg. Co.
Hickory Novelty Works
HIGH POINT—*Snow Lumber Co.
NORTH WILKESBORO—*Wilkesboro Mfg. Co.
SANFORD—†Sanford Sash & Blind Co.
WILMINGTON—†Divine, M. W. & Co.
†Jacobi, N. Hardware Co.
WILSON—†Simms, W. W. Co.
WINSTON SALEM—†Smith-Phillips Lumber Co.

SOUTH DAKOTA.

FARGO—*Bowers Bros.
†Schlauser & Ostbye
GRAND FORKS—†Robertson Retail Lumber Co
†St. Hilaire Lumber Co.
*Turner, Jas. & Sons
WAHPETON—†McCulloch & Robinson

OHIO.

AKRON—†Akron Lumber Co., 1027 S Main
†Ewing, L. D., 121 Kirkwood
†Frederick, U. G. Lumber Co., 213 Cherry
†Lyman Hawkins Lumber Co.
†Summit Lumber & Building Co., 120 W
†White Lumber Co., 212 River State
†Wilson, N. C. Lumber Co., 388 S Main
ALLIANCE—*Stroup, L.
*Weybrecht's, J. T. Sons
ASHLAND—†Myers, J. W. & Co.
*Shearer, Kagey & Co.
ASHTABULA—†Smith, J. F. & Co.
BELLAIRE—†Anderson & McGregor
*Dubois & McCoy
BELLEFONTAINE—†Dickinson, Mack & Co.
†Lesourd, A. & Sons
BEREA—†Holmes & Johnson
BOWLING GREEN—*Hankey Lumber Co.
BRIDGEPORT—†Scott Lumber Co.
BUCYRUS—†Roehr, C. Co.
*Vollrath, E. & O.
CADIZ—†Long, F. M. & Sons (Wholesale)
CAMBRIDGE—*Forney, C. W.
*Hoyle & Scott
CANAL DOVER—†Wentz, F. & Co.
CANTON—†Bernower, Phil J.
†Holwick, D. L. Lumber Co.
†Weaver Lumber Co.
†Wills Lumber Co.
CAREY—†Snyder, W. H.
CELINA—*Eatry & Stephenson
CINCINNATI—†Bosken & Brechelt, 3408 Warsaw av
*Brethauer, G. J. Planing Mill Co., 2260 Bogen
*Cincinnati Sash & Door Co., 946 W 6th
*Dexter Lbr. Co., Montg'y av (Norwood)
†Doppes, J. B. & Sons, 1244 Gest
*Ferris, Chas. S., 250 McCullough
*Griffith, Jas. & Sons, Reading rd & 12th
*Maly Bros. (Ltd.), 717 Carr
*Mayer, Wm. Co., 644 W 3d
†Mills & Ott, 210 George
*Mills, Spellmire & Co., 652 W 3d
*Morrison & Snodgrass Co., 519 Reading rd
*Short, Chas. W., 259 Strader av
*Thom, John C. Co., 1215 W 8th
†Ward, R. G. & Co., Clark & Harriett
*Weber, Fred. & Bro., 4011 Cherry
CLEVELAND — †Bohm & Stuhr Lumber Co., 6325 B'way
†Cleveland Lumber Co., 8617 Buckeye rd.
*Diamond Glass Co., 1452 25th S E
†Henderson, Fred L., 1804 E 55th, N E
*Lakewood Lumber Co., Berea rd nr Detroit av, N W
*Marquard Sash & Door Mfg. Co., 307 Canal rd, N W
*Ohio Sash & Door Co., 211 Prospect av, N W
*Osborn & Flinkers, 10.217 Berea rd, N W
*Peters' Mill Work & Lumber Co., 1895 Carter rd, N W
*Pfeil, Chas. J. Co., 1905 W 3d, S W
*Potter, Teare & Co., 1918 Carter rd
†Saginaw Bay Co., 2106 W 3rd
†Standard Sash & Door Co., 5108 Euclid av
†Teachout, A. Co., 11722 Euclid av
*Trebing Mfg. Co., 1002 Center
†Williams Pivot Sash Co., 309 O'Brien
Zeitz, William & Son, 1928 W 3d, S W
COLLEGE CORNERS—†Miller, Fred.
†Stewart, John H.
COLUMBUS—†Acorn Lumber Co., 130 E Rich
*Baumann, Ferd. 934 S 3d
*Bergin, M. J. Lumber Co., Spring c Dennison
*Columbus Lumber Co., 424 W Spring
*Columbus Planing Mill Co., 390 W Town
*Doddington, E. & Co., 447 W Broad
*Earl, Andrew, Water c Hickory
†Ewers Lumber Co., Broad & Mitchell
†Hildreth & Martin Lumber Co., 157 W
*Jones, E. J. & Co., 406 W Spring State
†Knox, Jos. J. Lumber Co., 405 Cleveland av
*Sager, A. C., Town c Belle
*Snider, J. J. Lumber Co., Taylor av
†South Side Lumber Co., 1929 S High
*Sowers-Leach Lumber Co., 483 Neilston
*Taylor, Wm. M. Mantel & Grate Co., W Fulton & Canal
†Teachout Sash, Door & Glass Co., 98 W
†Zinn, J. H., Jr., 2556 N High Spring
CUYAHOGA FALLS—†Bates, A. R. & Co.
*Walsh Milling Co.
DAYTON—*Bouck, O. L.
†Davies, S. W., 1013 E 5th
*Dayton Lumber & Mfg. Co., c Clinton & Bacon
†Gebhart, Alex & Co., Wayne & Railroad
†Harbaugh & Mather, 850 S Mound
†Kuntz-Johnson Co., Mead nr Perry
*Requarth, F. A. Co., cor Sears & Monument
Rinderknecht, G. C. & Son, 362 E Huffman av
*Rouzer, John Co., 73 S Wyandot
†West Side Lumber Co., 1827 W 3d
DEFIANCE—†Tenzer, H. B. Lumber Co.
†Tennyson, J. B.
DELAWARE—†Clark & Buttenfield
DELPHOS—*Ricker, Harman & Sons
EAST LIVERPOOL—†Hall, Robert Lumber Co.
†Nease, C. & Co.
†Smith, J. T. Lumber Co.
ELYRIA—†Elyria Lumber & Coal Co.
†Parsch Lumber Co.
†Persons Lumber & Coal Co.
EMPIRE—†Stone's, James Sons
FINDLAY—*Neff, M. T.
†Hayward & Young
FOSTORIA—Eureka Planing Mill & Lumber Co.
*Koss & German Co.
FREMONT—†Fremont Lumber Co.
*Price Lumber & Mfg. Co.
GALION—*Galion Lumber Co.
*†King, Joseph
GALLIPOLIS—*Mullineux Bros.
GREENVILLE—*Hart Mfg. Co.
†Kuntz & Wright Lumber Co.
HAMILTON—*Bender Co.
*Dingfelder, Wm. M. & Co.
HARRISON—†Bowles, R. D.
†Hollowell, F. M.
†Perrine, Attwood
HILLSBORO—Enterprise Planing Mill Co.
IRONTON—†Hutsinpiller & Sheridan
†Ironton Lumber Co.
KENTON—*Callam, John & Co.
†Robinson & Gage Lumber Co.
LANCASTER—†Orrman, J. B. & Bros.
LEBANON—*Monroe & Johnston
LIMA—†Ewing, J. J., 225 N Main
†Jones, Thos. R. & Son, 137 S Main
LOCKLAND—*Lockland Lumber Co.
*Lyons, Albert E.
LORAIN—Lorain Lumber & Mfg. Co.
MADISONVILLE—†Madisonville Lumber Co.
MALTA—*Malta Mfg. Co.
MANSFIELD—*Ford, S. N. & Co.
MARYSVILLE—*Robinson & Curry Co.
MASSILLON—†Brown Lumber Co.
MECHANICSBURG—*Horr, Jacob
MEDINA—†Wood Co.
MIDDLETOWN—†Caldwell & Iseminger
MOUNT GILEAD—†Mount Gilead Lumber Co.
MOUNT VERNON—†Bogardus & Co.
NAPOLEON—*Thiesen & Hildred
NELSONVILLE—*Krieg, M. A. & Co.

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NEWARK—†Smith, P. & Sons Lumber Co., 65 S 2d
NEW PHILADELPHIA—†Nagley, John Lumber Co.
NEW RICHMOND—Fridman Lumber Co.
NILES—†Niles Lumber Co.
NORWALK—*Bostwick-Godell Co. (Venetian Blinds Only)
ORRVILLE—†Kinney & Sons
PAULDING—†Finan, M.
PIQUA—†Wright-Kunts Lumber Co.
†Wood, C. L.
POMEROY—†Genheimer, Jno.
SANDUSKY—*†Sandusky Sash, Door & Lumber Co.
Schoepfle Mfg. & Lumber Co.
SPRINGFIELD—†Brain's Lumber Co., 85 East
†Lion Hardware Co., 80 E Main
†Rawlins, Albert M., Lincoln av c Main
*Springfield Planing Mill & Lumber Co., 335 W Columbia
STEUBENVILLE—†Alexander, W. J.
*McFeeley Bros.
TIFFIN—*Enterprise Mfg. Co.
*Mathias, J. B.
TOLEDO—*Campbell Co., 1100 Hoag
*East Side Lumber Co., Starr av & Belt Line R R
*Goodsell Mfg. Co., Bancroft & M C R R
*Goulet & Co., 125 S St. Clair
*Maclaren & Sprague Lumber Co., 202 S St Clair
*Peter, William (Est. of), 197 St. Clair
*Scroeder, C. H. Co., c S Erie & Kraus
*Western Mfg. Co., Water & Vine
†West Toledo Lumber Co., Phillips av
*Witker Mfg. Co., Jackson c Water
TROY—†Francis-Clemm & Co.
UPPER SANDUSKY—*Shealy & Stephan
URBANA—†Hubbell, H. M.
VERMILLION—*Bachman, Conrad
WARREN—Warren Mfg. Co.
*Western Reserve Lumber Co.
WILKESVILLE—*Strong, H. B.
WILLOUGHBY—†Jenkins, Chas. C.
WILMINGTON—Fisher Mfg. & Fuel Co.
*Shepherd & Son
WOOSTER—†Curry, D. C. Lumber Co.
XENIA—†McDowell & Torrence Lumber Co.
YOUNGSTOWN—*Dingeldy, Geo. H. (Est of).
*Heller Bros. Co., 346 S Phelps 35 Basin
†Hoffman, Frederick, 436 W Federal
*Huffman Bros., Federal c Reserve
*Youngstown Lumber Co., 726 Mahoning av
ZANESVILLE—*Curtis & Co., 25 8th
†Drake, Thos. Lumber Co., Lee & Amelia
*Herdman Sash, Door & Lumber Co.

OKLAHOMA.

OKLAHOMA—†Curtis & Gartside Co.
†Oklahoma Sash & Door Co.

OREGON.

BAKER CITY—*Bennett & Son
*Shockley & McMurren Lumber Co.
CANYON CITY—*Southworth, W. S.
DALLAS—*Coad, F. J.
EUGENE—*Midgley, George
INDEPENDENCE—*Bohannon, John S.
KLAMATH—FALLS—*Goeller, J. F.
MYRTLE POINT—†Huling, Lundy & Son
NORTH BEND—*North Bend Mfg. Co.
PENDLETON—*Forster, Robert
PORTLAND—*Ainslie, Geo. & Co., Petty-
†Beach, F. E. & Co., 135 1st grove c 15th
†Central Door & Lumber Co.
*Nicolai Neppach Co., 66 2d, N
*North Pacific Lumber Co., Thurman, N W cor 22d
*Northwest Door Co., River c Albina av
*Oregon Planing Mills Co., 421 19th
Pacific Coast Door Co., 972 Macadam
*Portland Mill & Fixture Co., 441 E. Morrison
*Portland Sash & Door Co., 230 Front
*Schmitt, Frank & Co., 195 E 8th
SILVERTON—*Potter, P. W. & Co.

PENNSYLVANIA.

ALLEGHENY—*Little, Sam'l J. Planing Mill Co., 402 North av
*Meess, J. A. & Son, Reichenbach c Unity
†Munn Lumber Co., 219 Lacock
*Schwerd, A. F., 3556 McClure av
*Simon's, M., Sons, Robinson c Anderson
ALLENTOWN—*Butz, Fred'k & Co., Howard c Maple
*Kern & Bro.
†Ritter & Smith
*Well, F. W. & Co., 1031 Linden
ALTOONA—†Bucher, Adam, 7th av c 4th
†Elder & Cassidy
†Orr, J. C. & Son
ARDMORE—†Smedley & Mehl
ASHLAND—*Bright, H. F.
BANGOR—*Bangor Lumber & Mfg. Co.
*Wise Lumber & Coal Co.
BEAVER FALLS—*Beaver Falls Planing Mill & Lumber Co.
*Commercial Sash & Door Co.
*Mitchell, J. S. & Sons.
BEDFORD—†Arnold, W. S.
BELLE VERNON—*Belle Vernon Saw & Planing Mill Co.
BENNETT—*Bennett Lumber & Mfg. Co.
BENTON—*Smith, R. T. & Son
BETHLEHEM—†Brown-Borhek Lumber & Coal Co. (Ltd.), W B
BIRDSBORO—†Slipp, John W.
BLOOMSBURG—†Creasy & Wells
BRADDOCK—†Price & Alman
BRADFORD—†Kent, P. A.
†Miller, A. & Sons Lumber Co.
†Morrison & Co.
BRISTOL—†Peirce & Williams
BROOKVILLE—Anderson Lumber Co.
*Hall & Lucas
BUTLER—†Wick, L. C.
CARBONDALE—†Mills, F. W. & Co.
†Tiffany, A. E.
CARLISLE—Beeten Lumber & Mfg. Co.
CATASAUQUE—*Wint, F. W. Co. (Ltd.)
CATAWISSA—†Harder, C. W.
CHESTER—†Glauser, Stacy G. & Son
*Hamilton, John
CHRISTIANA—*Davis, Harry
COLUMBIA—†Forry, John D.
CONNELLSVILLE—†Fayette Lumber Co.
CONSHOHOCKEN—†Jones, Wm. Potts
*Miller, A. L. & Co.
CORRY—*Chautauqua Lumber Co.
DALTON—†Francis, F. M.
DANVILLE—†Reifsnyder, G. F.
†Trumbower & Werkheiser
DARBY—†Gotshall & Morgan
DOYLESTOWN—†Rotzell & Raike
DUBOIS—†Moulthrop Bros.
*Pifer, G. W. & Sons
EASTON—†Zearfoss-Hilliard Lumber Co.
ELIZABETHVILLE—*Buffington, I. T.
EMLENTON—*Sloan, U.
ERIE—†Carroll, Geo. & Bro. Co., ft French
*Constable Bros. Co., 5th c Sassafras
*Deming, Alton A.
*Felheim, Lyman, 16th & State
*Johnson, Jas. D. & Co., 19th & Parade
†Schlosser, David & Sons, 14th & French
*Schroeck, Adolph, 906 E 11th
†Shenk, Henry Co., 12th & Sassafras
EVERETT—Cottage Planing Mill Co.
FALLSTON—†Burns, H. M.
FRANKLIN—†Ramsdale, G. H.
GETTYSBURG—*Stallsmith, Geo. W.
GLEN ROCK—*Glen Mfg. Co.
GREENVILLE—†Hellman Bros.
HALLSTEAD—†Roosa, E. H. B.
HANOVER—*Moul, C. & Co.
*Rohrbaugh, Jno. F.
HARRISBURG—*Boas, D. D. (Est. of)
†Central Mill & Lumber Co.
†Miller, Chas. H.
HAZLETON—†Frederick, S. Y.
HICKORY—†McPeak, W. H.
HOMESTEAD—*Feath & Kerr
†Gordon & Co.
*Hall, G. M. Co.
HONESDALE—†Watts, Graham
INDIANA—†Hastings, John S.
JEANETTE—Jeanette Planing Mill Co.
KINGSTON—†Kingston Lumber Co.
†Rost, A. J.
KITTANNING—†Claypool, J. S. Lumber Co.
†Hellman Bros.
KNOXVILLE—*Edgecomb, I. M. Sons
LANCASTER—Johnson, E. N. & Co.
Keystone Planing Mill
Lancaster Planing Mill Co.
*Wohlsens, Wm. & Son, 417 N Mulberry
LANESDALE—†Godshalk, Chas. D.
LATROBE—†Anderson, Geo. C. & Sons (Inc.)
†Toner & Baker
LEBANON—*Fox & Graeff
*Miller Bros.
*Reinoehl Lumber Co.
LEHIGHTON—†Lehighton Lumber Co.
LEWISBURG—*Neahit, D. M. Co.
LOCK HAVEN—*Hipple's Estate
McKEESPORT—†Reynolds Lumber Co.
MANSFIELD—†Doane, Edw. & Co.
MARIETTA—†Cassal, A. N. & Son
MAUCH CHUNK—†Neast, Chas. & Co.
MEADVILLE—†Cutter, G. H. Lumber Co.
†Harper, Walter G. Lumber Co.
†Smith, L. F. Lumber Co.
MERCER—*†Mercer Milling & Lumber Co.
†Zahnister, M. C. (Ltd.)
MIFFLINBURG—*Miller, Enoch
MILLERSBURG—†Douden, A.
MILTON—*Clinger, D. & Sons.
*Fetter, Jacob
MONONGAHELA CITY—†Stephens Bros.
MONTGOMERY—*Montgomery Door & Sash Co.
MOSCOW—*Van Brunt, C. P.
MOUNT CARMEL—*Geiger, Gibson & Co.
MOUNT PLEASANT—*Husband Lumber Co.
NAZARETH—*Wunderly Bros.
NEW BETHLEHEM—*Andrew's, C. E. Lumber Co.
NEW BRIGHTON—*McDaniel, R. B. Co.
†Martsolf Bros.
NEW CASTLE—*Acme Lumber Co., 60 Pitt
†Marshall Bros.
†New Castle Lumber & Construction Co.
NEWTOWN—*Watson, A. W. & W. M.
NICHOLSON—†Rought, G. G.
NORRISTOWN—†Grater-Bodey Co. (Inc.)
NORTH WALES—†Shearer, A. K. & Son
*Weber, O. M. & Son
OIL CITY—†Caldwell Lumber Co.
†Earp & Kelley Lumber Co.
PARKESBURG—*Reid, Adam P.
PEN ARGYL—*Fitzgerald, Speer Co.
PENNSBURG—Pennsburg Mfg. Co.
PHILADELPHIA—*Alcott-Ross Co., 2217 J
†Allen, Elwood (Est. of) Trenton av & Ma
*Berger, Gustav, 1143 N Front
*Brown & Watson, 305 Montrose
*Felin, Chas. F., 151 W. Hortter Co
*Fite & Arbelo Co., 2431 Glenwood av
*Gerry, F. R. Co., 1835 Market
*Gibson, W. E., 100 N 50th
*Hoffman Sash & Door Co., 1622 Thu
†Kyle, Geo., Island rd c Grays av
*Parker, John & Son, 16th c Fitzwater
*Swenk, Benson & Co. (Ltd.), 2308 Chest
*Underwood, Wm. I. & Co., Kensington
*Van Kannel Revolving Door Co., Hart
*Watson & Robinson, 49 Queen, Ger
*Wilt, A. & Son, 723 N. Front
PHOENIXVILLE—*Keely, Wm. P.
PICTURE ROCKS—*Fry & Son
PITTSBURG—Commercial Sash & Door
Liberty av & S
Curtis & Yale Co. (Wholesale
*Diebold Lumber & Mfg. Co., 99 Water
*Dubarry, G. D. & Co., 41st & A. V. R. R.
*Eller Lumber & Mill Co., S. 22d & Wharf
†Gearing, H. C., 2000 Sidney
*Hill, Edwin M., 2061 Penna av
†Munhall, R. J. Lumber Co., 41 S 22d
*Penna. Door & Sash Co., 906 2d av
*Pittsburg Door & Sash Co., 210 Seventh
*Pittsburg Hardwood Door Co., Part 18
PITTSTON—*Dershimer & Griffin
Patterson, J. E. & Co.
POTTSTOWN—†Healy, Jos. A. & Bro.
Kline & Price
POTTSVILLE—†Ryon, Jno. P.
Sailor Planing Mill & Lumber Co.
*Wertley, Walter
QUAKERTOWN—Stoneboch, Howard L.
READING—†Rummell, H. F. L.
RICEVILLE—†Westate, Arthur & Son
RIDGWAY—*Ilyde, Murphy & Co. (Wholesale
ROCHESTER—†Miller, Wm. & Sons
ROCKWOOD—*Growall, A. J.
ROYERSFORD—*Bush Bros.
ST. MARYS—*Schautt Bros.
SCRANTON — Ansley Lumber Mfg. Co.
†Benore, John, 700 Scranton
Peck-Lumber Mfg. Co., 101 E Market
*Washburn, Williams & Co.
SHARON—*Wallis & Carley
SHARPSBURG—†Saint, W. J. T.
SOUDERTON—*Hemsing & Son
STEELTON—Steelton Planing Mill Co.
SUNBURY—†Simpson, John & Son
TAYLOR—†Ward, C. F.
TAMAQUA—*Weaver, Edw. E.
TITUSVILLE—†Reuting, D. F.
TROY—†Case, Chas. J.
TYRONE—*Beyer, F. D. & Co.
*McCamant, A. H.
UNIONTOWN—Huston, John L.
WARREN—*Newmaker & Reed
*Rogers Lbr. Co.
†Wetmore, L. D. Co.
WASHINGTON—*Walker & Slater
WATSONTOWN—*Watsontown Door &
WAYNESBORO—*Hess, D. W.
WAYNESBURG—*Funk, J. M.
WEST CHESTER—*Black, S. C.
WEST NEWTON—†Finley & Campbell
†Scholl, M. F.
WILKES-BARRE—*Lee, Conrad
*Shepherd, W. H. & Sons
WILKINSBURG—*Young, W. F. Co.
WILLIAMSPORT—*Brown, Clark & Shaw
*Crooks, W. D.
*Sones, C. W.
Williamsport Planing Mill Co.
Wood Working & Stair Building Co.

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'Beltzel, Jacob & Sons
ieyer & Small Co.
ert, Geo. W.
, Herman & Sons
iann & Blaebaum
rist's, Jacob Sons

RHODE ISLAND.

—†Wardwell Lumber Co.
CKET—†Cottrell, John T. Co.
tucket Sash & Blind Co., 24 Mason
ley, Frank E., Broad c Olive
ENCE—†Arnold, Wm. E., 326 Dean
ge, J. C. & Son, 530 S Main
s. B. Co., 255 Eddy
is, H. R. & Son, 8 Mathewson
ris, Wm. M., Jr., 363 Charles
ing, Geo. D. & Son, 32 Branch av
rned, A. C. J. & Co., 5 Charles
owau, Jas. & Co., 14 Exchange pl
ins Bros., 970 Westminster
vidence Sash & Blind Co., 301 Broad
h, E. E. & Co., 136 Rhodes
ley, Frank E., Broad & Olive
ghin, L. Co.
LY—†Babcock & Wilcox
son & Co.
man, R. A. & Sons
CKET—†City Lumber Co.
nson, A. M.

SOUTH CAROLINA.

ON—*Barton, J. E.
ley, W. L.
nsend, H. C.
RT—†Christensen, N. & Sons
STON—†Hacker, Geo. S. & Sons
berhorn & Fischer
V—*Cheraw Door & Sash Co.
IA—†Brown, C. O. & Bro.
d Builders' Supply Co.
nas, H. Co.
ON — †Santee River Cypress Lumber
LLE—†Gower Supply Co. Co
gan & Austin
NBURG—*Morgan Wood & Iron
son, J. H. Works
t—*Kennedy Building & Supply Co
LLE—*Ginn, E. R.

SOUTH DAKOTA.

OOD—†Fish & Hunter Co.
rns Co.
N—Colman, C. L. Lumber Co.
LL—†Burns, Robert Lumber Co.
s & Daniels
ALLS—†Ross, H. W. Lumber Co.
Falls Lumber Co.
hill, J. W. Lumber Co.
S—†Anderson, H. O. & Son
ns, Wm.
hees, S. T.

TENNESSEE.

L—*Bristol Door & Lbr. Co.
d Bros.
Cary Lbr. Co.
ge-Huling Lbr. Co.
NOOGA—*Central Mfg. Co.
ttancoga Lumber Co., John c N. C. & St. L. Ry
t Tennessee Lumber Mfg. Co., Harrison av & T. V. & G. R. R
mis & Hart Mfg. Co., 719 E. 9th
ll Hardware Co., 729 Market
VILLE—*Smith, F. L.
TEVILLE—*Waggoner & Nuttall
lams-Hass Lumber Co.
TN—Simpson, S. R. & Son
CVILLE—†Adams, T. T.
TFIELD—†Dudley, J. W.
LAN—Flanders Mfg. Co.
ts, J. H.
LDT—*Campbell, J. E.
ell, B. C. & Co.
ILLE—*Atkin, C. B.
ey & Son
e, D. M. & Co.
IS—†Central Lumber Co.
e Mfg. Co.
nell-Taenzer Lumber Co.
edel, P. R. & Co.
dan, J. P. & Co.
re & McFerren, Henry & Wolf River
thern Lumber Co.
nessee Lumber Co.
lliams & Co.
TOWN—†East Tennessee Wood Work
ILLE—†Beasley & Sons ing Co
n & Goldberg
vidson-Benedict Co.
*De Hart, I. N. & Son
*McGinnis & Co.
*Moore, G. & Sons
†Norvell & Wallace, 601 Broad
†Riddle Co.

TEXAS.

ALBANY—†Rockwell Bros. & Co.
AUSTIN—†Calcasieu Lumber Co., 311 W 2d
†Haldeman & Co., 118 Congress
†Nalle & Co., 609 E 6th
BEAUMONT—*Georgs, C. W. Mfg. Co.
CLARKSVILLE—†Clarksville Lumber Co.
CLEBURNE—Conway-Craig Lumber Co.
COLORADO—†Burton-Lingo Co.
†Roe, A. J.
CORPUS CHRISTI—†Sidbury Lumber Co.
CORSICANA—*Cloptou, B. M., Jr.
†Doke, F. Y. & Son
DALLAS—†Campbell-Harriss Lumber Co.
Conkling Planing Mill Co.
†Griffiths & Co., 139 N Lamar
*Illingworth, W., 244 Cochran
†Mayfield, J. S. Lumber Co., Ross av c Magnolia
DENISON—†Lingo-Leeper Lumber Co.
DUBLIN—†Smith, H. A. & Co.
†Spencer, H. R.
EL PASO—†Bassett, O. T. & Co. (Inc.)
†Burton, Lingo & Co.
FLATONIA—†Cockrill, Milton
*Eidelbach, A.
FORT WORTH—†Armstrong, J. H. & Co.
*Brown, R. L.
*Buckley Planing Mill
†Cameron, Wm. & Co.
†Darnell Lumber Co.
*Lusher & Rockett
*Owens, G. W. Lumber Co.
†Quarles, J. E. Lumber Co.
†Ripy, J. W. & Son
†Roe, A. J.
†Smith, Cicero Lumber Co.
GALVESTON—*Beaumont Saw Mill Co.
†Moore & Goodman, 2827 Mechanic
†Schadt, Wm., 2801 Mechanic
*Smith, J. F. & Bro.
†Wilson, D. M. & Co., 3428 Av N
HALLETTSVILLE—†Hill, T. A. & Son
HOUSTON—*Bering Mfg. Co.
†Burton Lumber Co.
†Central Lumber Co.
*House, Henry
*Houston Co-Operative Mfg. Co.
†Jones, Jesse H. & Co.
†Rice, Allen Waples Co.
†South Texas Lumber Co.
*Ware, Wm. & Co.
KERRVILLE—†Remschell, Henry
LAREDO—†Pfeuffer, Geo. & Co.
MARSHALL—*Forslund, Wm.
NAVASOTA—*Youens, J. & Co.
ORANGE—*Miller-Link Lumber Co.
PITTSBURG—†Robinson, J. E.
SAN ANTONIO—†Beitel Lumber Co.
†Hans, E.
†Steves, Ed. & Sons
†West End Lumber Co.
SAN MARCOS—†Mead, C. G.
SHERMAN—†Fielder, A. A. Lumber Co.
†Lyon, O. T. & Son
†Wilson, J. B. & Co.
†Wylie, Wm. T.
SWEET WATER—†Wilkirson, O. L.
TAYLOR—†Thompson, J. A.
TEXARKANA—†Hoffman Hardware Co.
VICTORIA—*Bailey Mills Co.
WACO—†Brazleton & Johnson (Wholesale)
*Cameron, Wm. & Co.
WAXAHACHIE—†Timmons, H. D. Lumber Co.
WILLS POINT—†Matthews, N. A. Lumber Co.

UTAH.

OGDEN—†Belknap, H.
†Eccles Lumber Co., 154 24th
*Humphries, C. J., 202 21st
SALT LAKE CITY—†Asper, Noall & Co., 151 W North Temple
Commercial Mill & Building Co., 141 3d, W
†Felt, Geo. F. Lumber Co., State c 8th
†Morrison, Merrill & Co., 241 N 3d, W E
†Stewart, J. J., 205 S W Temple

VERMONT.

ARLINGTON—†Lathrop, E. M.
BARRE—†Allen, Stillman D.
BARTON—*Drew, G. A.
BELLOWS FALLS—*Ramsay, R. H.
BENNINGTON—*Bingham, Jos. B.
BRANDON—†Gipson, H. M.
BRATTLESBORO—*Holden & Martin
†Mellen, J. E.
†Robbins & Cowles
BURLINGTON—†Booth, J. R.
*Burlington Venetian Blind Co.
*Champlain Mfg. Co.
*Morgan Bros.
†Spear Bros.
DERBY—*Albee, A. J.
ENOSBURG FALLS—*Manley, A. H.
HARTLAND—†Martin, A. W.
†Martin, F. P.
MIDDLEBURY—*Rogers & Wells
MONTPELIER—†Brooks, Jno. V.
NEWPORT—†White, A. J. & Son
POULTNEY—†Ripley Lumber Co.
RANDOLPH—*Emerson, E. F. Co.
RICHFORD—†Impey, W. M.
*Sweat-Comings Co.
RUTLAND—†Chaffee, F. Sons, 321 West
†Noyes, H. F., 127 State
ST. JOHNSBURY—†Bragg, Alfred L.
†Caldbeck, M. J. & Son
SOUTH SHAFTSBURY—*Eagle Square Mfg. Co.
STOWE—†Straw, John
SWANTON—†Prouty, E. M.
VERGENNES—*Cotey, L. C. & Son
*Vergennes Mfg. Co.
WEST DANVILLE—†Merrill, Augustus W.

VIRGINIA.

ALEXANDRIA—*Aitcheson & Bro.
*Smoot & Co.
BLACKSTONE—*Blackstone Mfg. Co.
CHARLOTTESVILLE—*Charlottesville Lumber Co.
*King Lumber Co.
DANVILLE—†Anderson, R. I. Co.
*Danville Lumber & Mfg. Co.
*Heidelbach & Penn
HAMPTON—*Hampton Sash & Door Mfg. Co.
†Heffelfinger, Jacob
HARRISONBURG—†Bucher, Wm. M. & Son
LYNCHBURG—†Adams-Monroe Mfg. Co.
†Hutter, C. S.
*Ross, E. E.
†Taylor, W. O.
MANCHESTER—†Woodward & Son
NEWPORT NEWS—†James River Lumber & Supply Co.
†Poarch & Co.
†Richardson, R. E.
†Weaver Bros.
NORFOLK—†Clark, Frank T. Co. (Ltd.)
†Nash, C. A. & Son
*Watkins, E. A. & Bros.
†White Hardware Co.
PETERSBURG—†Hargrave, W. T.
†Jefferson, T. J.
†Marks, L. L. Lumber & Supply Co.
PORTSMOUTH—†Hart & Watts
RICHMOND—†Baldwin & Brown, 1557 E Main
*Hardwicke, Chas. W. & Co., 18th c Cary
†Heppert, Jos., 906 Catherine
*Miller & Miller 324 S 6th
*Montague Mfg. Co., 400 S 9th
*Sitterlig-Carneal-Davis Co., 2001 E Franklin
*Stagg, Thos. C.
*Whitehurst, W. J.
†Woodward & Son, 330 S 9th
ROANOKE—†Catogni Bros., Campbell av c 3d, S E
*Central Mfg. Co., Shenandoah av c 2d
Exchange Lumber Co., 15 2d, S W
†Wilkinson, J. H.
SOUTH BOSTON—†Penick, R. A. & Son
STAUNTON—†Livick, A. J.
†Worthington Hardware Co.
SUFFOLK—†Allen, R. R.
†Folk, E. L. & Co.
WARRENTON—†Wood, D. P. & Co.
WOODSTOCK—*Fravel, Jos.
WYTHEVILLE—Wytheville Mfg. Co.

WASHINGTON.

BALLARD—*Rines Mfg. Co.
BELLINGHAM—*Bay City Furniture Co.
*Bay City Sash & Door Factory
†Munro, Blake & Haskell
*Whatcom Falls Mill Co.
*Whatcom Sash & Door Co.
BRYANT—*Bryant Lumber & Shingle Mill Co.
CHEHALIS—*Chehalis Fir Door Co.
CENTRALIA—*Harm, Frank D.
CHENEY—†Ratcliffe, Chas. A.
CONNELL—†Myer, C. H.
DAVENPORT—†Baske & Huesmann
DAYTON—†Dayton Lumber Co.
ELMA—†Minard, E. L. & Co.
EVERETT—*Robinson Mfg. Co.
*Everett Sash & Door Co.
*Wheelihan-Weidauer Co.

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HOQUIAM—*Hoquiam Sash & Door Co.
MANETTE—*Parks, W. A.
MARYSVILLE—*Kruse Bros. & Norton
MONROE—*Wagner & Wilson (Inc.), (Red Cedar, Wholesale Mfrs.)
NORTH YAKIMA—†Howard, A. E.
OAKDALE—†Madison Lumber Co.
OLYMPIA—*Olympia Door Co.
PORT ANGELES—†Martin, Jno. M.
PORT TOWNSEND—*Quimper Mfg. Co.
PRESCOTT—†Geyer, John
SEATTLE—*Ainslie-Boyd Co., Pine & 6th av
†Argo Mfg. Co., Spokane av & East Waterway
*Brace & Hegert Mill Co., Westlake av & Mercer
*Bryant Lumber & Shingle Mill Co., Fremont
*Kramer & Fisher, 1445 Western av
*Lake Washington Mill Co., 834 31st av S
*Lewis & Tucker, 537 Westlake av
*Nelle & Englebrecht, 82 W. Columbia
*Nordquist, Edberg & Nelson, 41 Aetna
*Richardson & Elmer Co., 619 Pine
*Slocum, E. E., 815 1st av, S
*Stetson & Post Mill Co., Water front & Weller
†Uphus, A. J. & Co.
*Vetter, Otto, 1901 East Lake av
*Western Mill Factory, Terry av Mercer
†Williams, O. B., 1010 Wester av
SNOHOMISH—*Morgan Bros.
SOUTH BEND—*Cameron, E. H.
SPOKANE—*Dean Lumber & Fuel Co., Reagal & S. F. & N. Tracks
Eastern Lumber Co.
Hoag, Geo. W. Lumber Co.
*Holland-Horr Mill Co.
*Luratsch & Doley Milling Co.
*King Sash, Door & Lumber Co.
Petersen, H. J. Lumber Co.
*Sexton, J. F. & Co.
*Spokane Sash & Door Co.
*Springston Lumber Co.
*Washington Mill Co.
TACOMA—*East Tacoma Mfg. Co.
†Fuller, W. P. & Co.
*†Peterman Mfg. Co.
†Todd, J. L. Lumber Co.
*Washington Mfg. Co.
*Washington, Mfg. Co., 720 Pacific av
*Wheeler, Osgood Co. (Red Cedar, Wholesale Mfrs.)
WALLA WALLA—*City Lumber Yard & Planing Mill
*Kent Lumber Co.
†Stack, John
†Walla Walla Lumber Co.
*Whitehouse-Crawford Co.

WEST VIRGINIA.

BLUEFIELD—†Saxon Lime & Lumber Co.
CHARLESTON—†Gates, L. C.
CHARLESTOWN—*Phillips', Wm. Sons
CLARKSBURG—†Williams & Davidson Co.
FAIRMOUNT—†Dickerson Building Supply Co.
HUNTINGTON—†Emmons-Hawkins Hdw. Co.
MORGANTOWN — *Morgantown Planing Mill
WHEELING—*Beltz, J. W. Sons Co. Co.
†Chapman, W. H. & Sons
†Kleeves Lumber Co.
†Wilson, W. A. & Sons
†Wood, W. W. Co.

WISCONSIN.

APPLETON—†Miller Lumber Co.
†Schlafer Hardware Co.
*Standard Mfg. Co.
ASHLAND—†Scott-Taylor Co.
BAGLEY—†Brodt, T. E.
BEAVER DAM—†Roedel & Jacobs
BELOIT—*Cunningham Bros.
BLACK RIVER FALLS—*McGillivray, J. J.
BRILLION—†Brillion Lumber Co.
CEDARBURG—*Hilgen Mfg. Co
CHILTON—*Dorschel, Schultz & Co.
CHIPPEWA FALLS—*Stanley, F. G. & C. A.
CLINTONVILLE—*Rohrer, D. J.
EAU CLAIRE—*Fish, E. M. & Co.
*Hoeppner, Bartlett & Co.
FOND DU LAC—†Moore & Galloway Lumber Co.
*Steenberg, O. C. Co.
FOX LAKE—†Eggleston & Rodger
GREEN BAY—†Cooke, W. D.
*Green Bay Planing Mill Co.
HARTFORD—†Denison-Liver & Coerper
†Hartford Lumber Co.
HAYWARD—*North Wisconsin Lbr. & Mfg. Co.
HELENVILLE—†Reul Bros.
JANESVILLE—Cullen, J. B. Co.
†Fifield Bros. Lumber Co.
KAUKAUNA—*Kaukauna Lumber & Mfg. Co.
KENOSHA—*Grant, Mrs. Co.
*Kenosha Sash & Door Co.
KEWAUNEE—*Borgman, Jno. M.
LA CROSSE—†Colman, C. L. Lumber Co.
*Kuhn, R. C. Sash & Door Co.
*Segelke & Kohlhaus Mfg. Co.
*Trow, A. S. & Co.
LAKE GENEVA—†Wilbur Lumber Co.
MADISON—†Brittingham & Hixon Lumber Co.
†Frederickson, A. D. & J. V.
†Silbernagel, J. J.
Strack Mfg. Co.
MANAWA—†Davids & Kineman
*Little Wolf River Lumber Co.
MANITOWOC—†Manitowoc Building Supply Co.
MARINETTE—*Linden & Miller
*Marinette Planing Mill Co.
MARSHFIELD—*Bille, Hans
MENASHA—*Menasha Mfg. Co.
MERRILL—*Anzon-Hixon Sash & Door Co.
*Wright, H. W. Lumber Co.
MILWAUKEE—*Badger Sash & Door Co., 592 Island av
†Butter, Gustav A., 603 Mitchell
*Conway Veneered Door & Mantel Co., St. Paul av ft 20th
*Cream City Sash & Door Co. (Wholesale Mfrs.), 7th av & Park
*Curtis & Yale Co., 204 Grand av
*Gruhl Sash & Door Co., Stewart nr Kinnikinnic av
*Interior Woodwork Co., 539 Park
†Meckelburg, A. F. Sash & Door Co., 700 31st
†Pederson & Grobben, 598 National av
*Phenix Mfg. Co., Humboldt av & Center
*Poppert, Geo. Mfg. Co., 417 Poplar
*Rockwell Mfg. Co. (Wholesale Mfrs.)
†Schmidt, W. H. & Sons, 305 3d av
†Wilbur Lumber Co., Pabst bldg
*Willer Mfg. Co., 313 Cedar
MONROE—*Monroe Planing Mill Co.
NEW RICHMOND—†Jagger, H. M.
†Willow River Lumber Co.
OMRO—*Morton, C. C. & Co.
OSHKOSH—*Campbell & Cameron Co.
*Foster, Lothman Mills (Wholesale)
*Gould Mfg. Co. (Wholesale)
*McMillen, R. Co. (Wholesale)
*Morgan Co. (Sash, Open, Glazed; Doors, Veneered Doors, Blinds, Shutters)
*Paine Lumber Co. (Wholesale)
*Radford Bros. & Co. (Wholesale)
*Starkweather, R. R. Co.
PRINCETON—†Yahr, F. J.
RACINE—*Belle City Sash & Door Co.
*Driver, Thos. & Sons Mfg. Co.
*Weber-Bahnemann Co.
RHINELANDER—†Lewis Hardware Co.
RICE LAKE—*Rice Lake Mfg. Co.
RIPON—†Horner & Middleton
Ripon Veneer & Box Works (C. T. Timm, Prop'r)
SAUK CITY—†Lachmund, P. & Son
SHEBOYGAN—†Geele, Frank Hardware Co.
†Miller Hardware Co.
*Mueller, H. G. Lumber & Mfg. Co.
SHIOCTON—†Shiocton Lumber Co.
SPARTA—*Sparta Sash & Door Co.
STEVENS POINT—*Vetter Mfg. Co.
SUPERIOR—*Cowdin, H. F.
*Dam, F. H.
*Shunn, Wm. H.
WATERTOWN—†Lehmann & Schroeder
†Weber, J. & Son
WAUKESHA—*Wilbur Lumber Co.
WAUPACA—†Nelson, A. G. Lumber Co.
WAUSAU—*Werheim Mfg. Co.
WAUWATOSA—*Wauwatosa Sash & Door Factory
WEST ALLIS—*Radcliffe & Porter Mfg. Co.
WESTFIELD—†Kendall, George

WYOMING.

EVANSTON—†Atkinson, J. L.
RAWLINS—†Daley, R. A.
†Larsen, Hans

Sashes (English Casement)

Haase, G. J., 142 Centre, New York

*Saw Anvils

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Saw Arbors

American Wood Working Machinery Co. Rochester, N. Y., & West Street bldg, New York
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Atlantic Works (Inc.) (Cast Steel), Phila., Pa.
Beach, H. W., Montrose, Pa.
Bentel & Margedant Co., Hamilton, O.
Chase Turbine Mfg. Co. (With Self-Oiling Boxes), Orange, Mass.
Crucible Steel Co. of America (La Belle Steel), Frick bldg, Pittsburg, Pa.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co. (Saw or Emery Wheel), Greenfield, Mass.
Hemingway, John & Son, Lynn, Mass.
Hobbs Mfg. Co., Worcester, Mass.
Howell, R. R. & Co., 31st av cor S E 4th, Minneapolis, Minn.
National Saw Co., Newark, N. J.
Oliver Machinery Co., Grand Rapids, Mich.
Simonds Mfg. Co., Fitchburg, Mass.
Sovereign Foundry & Mfg. Co., Lebanon, N. J.
White, Jno. A. Co. (Self Oiling), Dover, N. H.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Saw Benches or Tables

American Sawmill Machinery Co. ("American"), 50 Church, New York & Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., & West St. bldg, New York
Atlantic Works (Inc.), Phila., Pa.
Badger State Machine Co. (Self-Feed Rip, Saw & Combination), Janesville, Wis.
Baker Bros., Toledo, O.
Beach, H. W. (Rip & Cut-off), Montrose, Pa.
Carey, W. W. (Circular), Lowell, Mass.
Challenge Co., Batavia, Ill.
Chase Turbine Mfg. Co. (Power Feed), Orange, Mass.
Colburn Machine Tool Co. ("Universal"), Franklin, Pa.
Colladay, Jos. O. Co., 626 Race, Phila., Pa.
Connell & Dengler Machine Co. (Iron or Wood Table), Rochester, N. Y.
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Crescent Machine Co. (Combination), Leetonia, O.
Dennis Machine Co. (Benches Only), Jackson, Mich.
Dodds, Alex. (Circular, etc.), Grand Rapids, Mich.
Fairbanks, E. & T. Co., St. Johnsbury, Vt.
Fay, J. A. & Egan Co., W. Cincinnati, O.
Fischer, E., Machine Works (Cut-Off & Rip Saw for Box Factories), 710 Carroll av, Chicago, Ill.
Frank Machinery Co., Buffalo, N. Y.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Goodspeed Machine Co., Winchendon, Mass.
Grabo, E. O. (for Metal), 180 Centre, New York
Grand Rapids Hand Screw Co. (Wood Frame), Grand Rapids, Mich.
Greenlee Bros. & Co. (Automatic), Railway Exchange bldg, Chicago, Ill. Factory: Rockford, Ill.
Hayes Machine Co. (Inc.), Kingston, N. Y.
Hemingway, John & Son, Lynn, Mass.
Hildreth Bros. (Tables Only), Harvard, Mass.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Hub Machine & Tool Co. ("Acme" Metal), 631 Cherry, Phila., Pa.
Humphrey Machine Co., Keene, N. H.
Kidder, R. E. (Circular, etc.), Worcester, Mass.
Kimball Bros. & Sprague (Also Circular), Brockton, Mass.
Murray, D. J. Mfg. Co. (Self Feed, etc.), Wausau, Wis.
Oliver Machinery Co. ("Universal" Saw Benches), Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Root, B. M. Co. (Portable Saw Tables), York, Pa.
Royle, John & Sons, Paterson, N. J.
Sidney Tool Co. ("Defiance" Saw Tables and Jointers), Sidney, O.
Smith, H. B. Machine Co., Smithville, N. J. & 121 Liberty, New York
Sovereign Foundry & Mfg. Co., Lebanon, N. J.
Spangler Mfg. Co. (Circular, etc.), York, Pa.
Stowell, J. A. Co., Leominster, Mass.
Tidey, M. B., Newark, N. J.
U. S. Machine Co. (Self Feed), Williamsport, Pa.
U. S. Wind Engine & Pump Co., (Horse Power), Batavia, Ill.
Wachussett Machine Co. (Adjustable), Fitchburg, Mass.
Walker, G. A. Machine Co., 51 Chardon, Boston, Mass.
Yerkes & Finan Woodworking Machine Co., St. Louis, Mo.

Saw Blades (Band & Jig)

Cunningham, E. E. (Est. 0f), Worcester, Mass.
Simonds Mfg. Co., Fitchburg, Mass.

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Saw Blades (Cold)

Atkins, E. C. & Co. (Inc.), Home Office & Factories, Indianapolis, Ind
High Duty Saw & Tool Co. (High Carbon Crucible Steel Plate with Inserted Teeth), Eddystone, Pa.
Simonds Mfg. Co., Fitchburg, Mass.

Saw Blades (Hack, Flexible Back)

Atkins, E. C. & Co., Indianapolis, Ind.
Simonds File Co., Fitchburg, Mass.
Thompson, Henry G. Son & Co. ("Eureka"), New Haven, Conn.
West Haven Mfg. Co., New Haven, Conn.

Saw Blades (Hack, for Metal)

Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Damascus"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Thompson, Henry G. & Son Co., New Haven, Conn.
West Haven Mfg. Co., New Haven, Conn.

Saw Blades (Stone)

(See Stone Saw Blades, Steel)

Saw Blades & Frames (Hack)

(See also Hack Saw Machines)

Allen-Randall Co., Springfield, Mass.
Arcade Mfg. Co., Freeport, Ill.
Armstrong-Blum Mfg. Co. ("Marvel" Draw-cut), 120 N Francisco, W, Chicago, Ill.
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
BERNZ, OTTO S., 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Boker, Herman & Co. ("Intra" Hack Saw Blades), 101 Duane, New York
Braunsdorf-Mueller Co., Elizabeth, N. J.
Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Clemsen Bros., Middletown, N. Y.
Diamond Saw & Stamping Works ("Sterling," also "Sterling," for Railroad & Structural Steel Work), Buffalo, N. Y.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co. ("The G."), Greenfield, Mass.
Grover, John B. File Co., Nashua, N. H.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Harris, Samuel & Co., 23 S Clinton, Chicago, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hough, Morrill M. ("Morrill" Hack Saw Blade), 123 Liberty, New York
Jennings, C. E. & Co., 42 Murray, New York
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Massachusetts Saw Works ("Victor," "Diamond"), Chicopee, Mass.
Millers Falls Co. ("Star"), 28 Warren, New York. Works, Millers Falls, Mass.
Montgomery & Co., 105 Fulton, New York
National Saw Co., Newark, N. J.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Olmsted, L. H., Hasbrouck Heights, N. J.
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Centre, New York
Quality Saw & Tool Works ("Quality"), Springfield, Mass.
Q. M. S. Co., Plainfield, N. J.
Robertson Mfg. Co., Buffalo, N. Y.
Sawyer Tool & Mfg. Co., Fitchburg, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
Smith & Hemenway Co. ("Red Devil" Hack Saw Frame), 108 Duane, New York
Smith & Pomeroy Wind Mill Co. ("Eureka"), Kalamazoo, Mich.
STARRETT, L. S. CO., Athol, Mass. (See adv. index, end of book)
Thompson Henry G. & Sons Co. ("Milford" Hack Saw & Blades), New Haven Conn.
Tower & Lyon Co., 95 Chambers, New York
Union Hardware Co. (Frames Only), Torrington, Conn.
West Haven Mfg. Co. ("Universal," "Utility"), New Haven, Conn.

*Saw Brazing Tables

COVEL MFG. CO. (For Band Saws), Benton Harbor, Mich. (See adv. index, end of book)

Saw Bucks & Frames

Belle City Mfg. Co., Racine, Wis.
Brennan & Co., Louisville, Ky.
Chapin-Stevens Co. (Turning Saw Frames & Saws), Pine Meadow, Conn.
Corinth Engine & Boiler Works, Corinth, Miss.
Doscher Plane & Tool Co. ("Acme" Roller Saw Bucks), Saugatuck, Conn.
Hunt, Helm, Ferris & Co. (Hardwood Folding), Harvard, Ill.
Jennings, C. E. Co., 42 Murray, New York
Judson Mfg. Co. ("Vermont"), E. Arlington, Vt.
Simonds Mfg. Co., Fitchburg, Mass.
Tucker & Dorsey Mfg. Co. ("Hoosier" Folding Saw Buck), State av & Bates, Indianapolis, Ind.

*Saw Coils (Butchers')

AMERICAN TAP & DIE CO. (50 Feet Long), Greenfield, Mass. (See adv. index, end of book)

Saw Guides

American Sawmill Machinery Co. ("American"), 50 Church, New York & Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y., & West Street bldg, New York
Atkins, E. C. & Co. (Inc.), Home Office & Factories, Indianapolis, Ind
Baldwin, Tuthill & Bolton (for Band Saws), Grand Rapids, Mich.
Barry Saw Co., Indianapolis, Ind.
Corinth Engine & Boiler Works, Corinth, Miss.
Filer & Stowell Co. (Circular), Home Office, Milwaukee, Wis.
Henderson, W. K. Iron Works & Supply Co., Shreveport, La.
Howell, R. R. & Co., Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Murray, L. J. Mfg. Co., Wausau, Wis.
New Britain Machine Co. ("Pines," Band Saw), New Britain, Conn.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, Ohio
Reed, Jos. B., Cairo, Ill.
Salem Iron Works, Winston Salem, N. C.
Simonds Mfg. Co., Fitchburg, Mass.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.

*Saw Leveling Tables

COVEL MRG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Saw Mill Carriages

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co., 50 Church, New York & Hackettstown, N. J.
Clark Bros. Co., Belmont, N. Y.
Corinth Engine & Boiler Works, Corinth, Miss.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works ("Wilkinson"), Minneapolis, Minn.
Dubois Iron Works, Dubois, Pa.
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Garland, M. Co., Bay City, Mich.
Henderson, W. K. Iron Works & Supply Co., Shreveport, La.
Lane Mfg. Co., Montpelier, Vt.
McDonough Mfg. Co., Eau Claire, Wis.
Memphis Machine Works, Memphis, Tenn.
Murray, D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Prescott Co., Menominee, Mich.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co. Erie, Pa
Union Iron Works, Bangor, Me.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

*Saw Mill Construction (Fire-Proof)

WORDEN-ALLEN CO., P. O. BOX 528, Milwaukee, Wis. (See adv. index & branch offices, end of book)

Saw Mill Feeds (Steam)

Diamond Iron Works, Minneapolis, Minn.
Stearns Co., Erie, Pa.
Soule Steam Feed Works, Meridian, Miss.

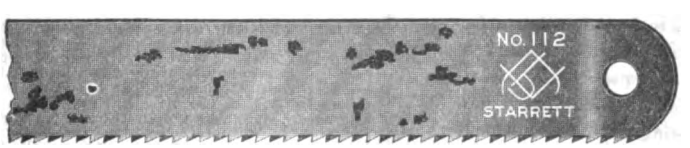
Saw Mills

(See Lumber Manufacturers)

Saw Mills (Band)

ALLIS-CHALMERS CO. (Single & Double Cutting), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Clark Bros. Co., Belmont, N. Y.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Corinth Engine & Boiler Works, Corinth, Miss.

STARRETT HACK SAWS



CUT QUICKER AND LAST LONGER

Made in great variety of lengths, widths, thicknesses and teeth per inch, to cut anything from thin sheet brass or tube to heavy steel rails. CATALOG FREE.

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BRANCHES AT NEW YORK CHICAGO LONDON

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Diamond Iron Works ("Wilkinson," Single & Double Cutting), Minneapolis, Minn.
Du Bois Iron Works, Du Bois, Pa.
Filer & Stowell Co., Home Offices, Milwaukee, Wis.
Garland, M. Co., Bay City, Mich.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Hill, W. E. & Co., Kalamazoo, Mich.
Humphrey Machine Co., Keene, N. H.
Lombard Iron Works & Supply Co., Augusta, Ga.
McDonough Mfg. Co., Eau Claire, Wis.
Manistee Iron Works & Supply Co., Manistee, Mich.
Mershon, Wm. B. & Co., Saginaw, Mich.
Murray, D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co. (Portable, etc.), Eau Claire, Wis.
Portland Iron Works (Inc.), Portland, Ore.
Sinker-Davis Co., Indianapolis, Ind.
Stearns Co., Erie, Pa.
Wickes Bros., Saginaw, Mich.
Wisconsin Engine Co. ("Wilkin"), Corliss, Wis.

Saw Mills (Circular)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
Bartley, Wm. & Son (Portable), Bartley, N. J.
Butts, W. W., Trestle, N. Y.
Chandler & Taylor Co., Indianapolis, Ind.
Chase Turbine Mfg. Co., Orange, Mass.
Clark Bros. Co., Belmont, N. Y.
Corinth Engine & Boiler Works, Corinth, Miss.
Curtis & Co. Mfg. Co., St. Louis, Mo.
DeLoach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works, Minneapolis, Minn.
Enterprise Mfg. Co., Columbiana, Ohio.
Eureka Bark Mill Co., Lancaster, Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Home Offices, Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Garland, M. Co., Bay City, Mich.
Geiser Mfg. Co., Waynesboro, Pa.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Hellmann Machine Works, Evansville, Ind.
Herrick, Chas. E., Northampton, Mass.
Hill, W. E. & Co., Kalamazoo, Mich.
Humphrey Machine Co., Keene, N. H.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co. (Lane Patent Lever-Set), Montpelier, Vt.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lovell Foundry, Fitchburg, Mass.
Lyon Iron Works ("Standard"), Greene, N. Y.
McEwen Bros., Wellsville, N. Y.
McNamar Machine Works, Newark, O.
Mansfield Engineering Co., Mansfield, O.
Moltz, Jacob J., Williamsport, Pa.
Murray, D. J. Mfg. Co., Wausau, Wis.
New Birdsall Co., Auburn, N. Y.
New York Engine Co., Watertown, N. Y.
Phoenix Mfg. Co., Eau Claire, Wis.
Port Huron Mfg. Co., Port Huron, Mich.
Prescott Co., Menominee, Mich.
Robinson & Co., Richmond, Ind.
Rockwood Mfg. Co., 1801 English av, Indianapolis, Ind.
Russell & Co., Massillon, O.
Salem Iron Works, Winston Salem, N. C.
Scheidler Machine Works Co., Newark, O.
Sinkers Davis Co., Indianapolis, Ind.
Smalley Mfg. Co., Manitowoc, Wis.
Southern Engine & Boiler Works, Corinth, Miss.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Filer & Stowell Co., Home Offices, Milwaukee, Wis.
Garland, M. Co., Bay City, Mich.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Globe Foundry & Machine Co. (Self-Feed), Sheboygan, Mich.
Hill, W. E. & Co., Kalamazoo, Mich.
Howell, R. R. & Co., 31st av cor S E 4th, Minneapolis, Minn.
Kline, Lewis T. (Drag Saw Machines), Altoona, Pa.
Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works ("Standard"), Greene, N. Y.
St. Albans Foundry Co., St. Albans, Vt.
Smalley Mfg. Co., Manitowoc, Wis.
Southern Engine & Boiler Works, Jackson, Tenn.
Stearns Co., Erie, Pa.
Trevor Mfg. Co. (For Handle Factories, etc.), Lockport, N. Y.
Union Iron Works, Bangor, Me.
Wickes Bros. (Belt or Steam), Saginaw, Mich.

Saw Mills (Gang)

Adams, S. & Son, Rome, N. Y.
Bartlett, A. F. & Co., Saginaw, Mich.
Diamond Iron Works ("Diamond" Belt, etc.), Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Henderson, W. K. Iron Works & Supply Co., Shreveport, La.
Prescott Co., Menominee, Mich.
Stearns Co., Erie, Pa.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.
Wisconsin Engine Co. ("Wilkin"), Corliss, Wis.

Saw Mills (Portable)

Abenaque Machine Works (Circular Saw Outfit), Westminster Station, Vt.
Advance Thresher Co. (Shgle & Double), Battle Creek, Mich.
Aultman & Taylor Machinery Co., Mansfield, O.
Burlingame, A. Co., Worcester, Mass.
Chandler & Taylor Co., Indianapolis, Ind.
Comstock, Geo. S. ("U. S. Standard"), Mechanicsburg, Pa.
Corinth Engine & Boiler Works, Corinth, Miss.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Enterprise Mfg. Co. ("New Buckeye"), Columbiana, Ohio
Farquhar, A. B. Co. (Ltd.), York, Pa.
Frick Co., Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro, Pa.
Hellmann Machine Works, Evansville, Ind.
Hench & Dromgold Co., York, Pa.
Howell, R. R. & Co., Minneapolis, Minn.
June, D. & Co., Fremont, O.
Keck-Gonnerman Co., Mount Vernon, Ind.
Lombard Iron Works & Supply Co., Augusta, Ga.
Liddell Co., Charlotte, N. C.
Lyon Iron Works, Greene, N. Y.
Mansfield Machine Works, Mansfield, O.
Mecklenburg Iron Works, Charlotte, N. C.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Reeves & Co., Columbus, Ind.
Robinson & Co., Richmond, Ind.
Russell & Co., Massillon, O.
Salem Iron Works, Winston-Salem, N. C.
Scheidler Machine Works, Newark, O.
Sergeant Mfg. Co., Greensboro, N. C.
Southern Engine & Boiler Works, Jackson, Tenn.
Spangler Mfg. Co., York, Pa.
Sparta Iron Works Co., Sparta, Wis.
Standard Saw Mill Machinery Co., Erie, Pa.
Stevens, A. W. Co., Marinette, Wis.
Thomas-Albright Co., Goshen, Ind.
Talbott & Sons, Richmond, Va.
Westinghouse Co., Schenectady, N. Y.

Saw Re-Toothers

Hanchett Swage Works, Big Rapids, Mich.
Matteson Mfg. Co., 128 S. Clinton, Chicago, Ill.

If You Are In Doubt

as to the original manufacturer of any machine or tool on which the patents have expired, that is now being exploited by many makers, ask HENDRICKS'—

They Can Tell You

Saw Sets

Atkins, E. C. & Co. (Inc.), Home Offices & factories, Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Baker & Foster ("Baker" Double Tooth), 308 Ludlow, Phila, Pa.
Bergman Hardware & Tool Mfg. Co., Belfast, N. Y.
Bishop, Geo. H. & Co., Lawrenceburg, Ind.
Bonney Vise & Tool Works, Allentown, Pa.
Cunningham, E. E. (Est. of), Worcester, Mass.
Disston, Hy. & Sons (Inc.), Tacony, Phila, Pa.
Humason & Beckley Mfg. Co. ("Nash's"), New Britain, Conn.
Johnson, Wm. (Hedenberg Works, Harrow Common & Stillman Lever), Newark, N. J.
Kilborn & Bishop Co. ("Whiting & Wooton Forged"), New Haven, Conn.
Matteson Mfg. Co., 128 S. Clinton, Chicago.
MORRILL, CHAS. ("Morrill"), 277 Broadway, New York. (See adv. Index, end of book)

THE "SPECIAL" SAW SET



MANUFACTURED BY
CHAS. MORRILL, 277 Broadway, N. Y.

National Saw Co., Newark, N. J.
Peck, Stow & Wilcox Co. ("The Ellis"), Southington, Conn.
Prouty, C. & Co. (Steel), Eldred, Pa.
Simonds Mfg. Co., Fitchburg, Mass.
Smith, Seymour & Son (Hammer & Lever), Oakville, Conn.
Smith & Hemenway Co., 108 Duane, N. Y.
Springfield Machine Screw Co., Springfield, Mass.
Stearns, E. C. & Co. ("Stearns"), Syracuse, N. Y.

Saw Sharpening Machines

(See Machines, Saw Sharpening; also Sharpeners, Saw)

Saw Slashers

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
Diamond Iron Works, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland, M. Co., Bay City, Mich.
Simonds Mfg. Co., Fitchburg, Mass.

Saw Stretchers & Re-Toothers

(See Saw Re-Toothers)

Saw Swages

Ajax Mfg. Co. ("Ibsen Bros."), 1 Jacobs, Pittsburg, Pa.
Atkins, E. C. & Co. ("The Victor"), Offices & Factories, Indianapolis, Ind. Canton Saw Co., Canton, Ohio
COVEL MFG. CO., Benton Harbor, Mich. (See adv. Index, end of book)
Crowell, D. J., 200 Terrace, Buffalo, N. Y.
Disston, Henry & Sons (Inc.), Tacony, Phila, Pa.
Emerson, Smith & Co. (Solid Steel), Beaver Falls, Pa.
Hanchett Swage Works (Adjustable for Circular Saws, etc.), Big Rapids, Mich.
Hinds, Thos., Malone, N. Y.
Hoe, R. & Co., 504 Grand, New York.
Matteson Mfg. Co., 128 S. Clinton, Chicago.
Mixter, J. W. Saw Tool Co. ("Mixter"), Detroit, Mich. (Complex Saw Tooth Swage), Plymouth, Mich.
Oldham, Joshua & Sons (Inc.), 112 Duane, New York.
Phoenix Mfg. Co. ("White"), Eau Claire, Wis.
Pribnow Swage & Tool Works ("Pribnow"), Medina, N. Y.
Rogers, Sam'l C. & Co., 10 Lock, Boston, Mass.
Rowe & Trunnel, 124 W 2d, Cincinnati, Ohio.
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.

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Saw Tables

See Saw Benches or Tables; also Saw Tables for Metal)

Saw Tables for Metal

rabo, E. O., 180 Centre, New York
ub Machine & Tool Co. ("Acme"), 623 Cherry, Phila., Pa.
hnson, Israel H., Jr., Co., 837 N. 15th, Phila., Pa.

Saw Teeth

ystone Drop Forge Works (Drop Forge), Chester, Pa.
monds Mfg. Co., Fitchburg, Mass.

*Saw Teeth (Diamond)

EYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)

Saws

(Under this Heading See Sub-classifications)

ny Saw Works Co., Albany, N. Y.
ler Saw Mfg. Co., Natick, Mass.
rews, E. & Sons (Solid & Inserted), Williamsport, Pa.
ns, E. C. & Co., Indianapolis, Ind.
y Saw Co., Indianapolis, Ind.
us Bros., Muskegon, Mich.
es Tool Co., New Haven, Conn.
ingham Saw Works, Birmingham, Ala.
p, U. H. & Co., Lawrenceburg, Ind.
eb Saw Co., 817 N 2d, St. Louis, Mo.
dhead, Jos., Manistee, Mich.
eye Saw Mfg. Co., Columbus, O.
ornia Saw Works, 208 Mission, San Francisco, Cal.
ju Saw Co., Canton, O.
anooga Saw Works, Chattanooga, Tenn.
son Bros., Middletown, N. Y.
& Co. Mfg. Co., St. Louis, Mo.
lt Saw & Tool Works, Detroit, Mich.
on, Henry & Sons (Inc.), Tacony, Philadelphia, Pa.
Frank & Co., Grand Rapids, Mich.
a Saw & Machine Co., Elmira, N. Y.
on, Smith & Co. (Ltd.), Beaver Falls, Pa.
ville Saw Co., Pensacook, N. H.
. E. Saw Works (Inc.), Seattle, Wash.
h, Peter Co., Cleveland, O.
Oscar & Co., 18 S Canal, Chicago, Ill.
C. A. & Co., 14th & Western av
gs, Arthur J. & Co., Railroad pl, Newark, N. J.
t. & Co., 504 Grand, New York
Saw & Machine Co. (Circular Saws for Metal), Pittsburg, Pa.
Bros. Saw Mfg. Co., Rochester, N. Y.
y, Ralph M., 111 N 7th, Phila., Pa.
ky Saw Works (J. B. Semor, Prop.), Louisville, Ky.
. E. T. Saw Mfg. Co., Bennett, Pa.
e, Wm. & Son, 515 Cherry, Philadelphia, Pa.
& Winkle, 172 Skillman av, Brooklyn.
nee Saw Co., Menominee, Mich. N. Y.
n Saw Co., Saginaw, Mich.
J. H., Lumberton, Miss.
l Saw Co., 15 River, Newark, N. J.
J. & Sons Saw Mfg. Co., Columbus, O.
Joshua & Sons, 112 26th, Brooklyn.
Saw Works, Bristol, Conn.
Trunnell, 123 W 2d, Cincinnati, O.
z, M. Sons, Bangor, Me.
Mfg. Co., Fitchburg, Mass.
Saw Co., San Francisco, Cal.
Saw Works, Atlanta, Ga.
l Saw Co., Bradford, Pa.
E. L., 69 Centre, New York
n, H. G. & Son Co., 6 Elm, New Haven, Conn.
& Son, Front & Low, Baltimore, Md.
ow Co., Toledo, O.
Mfg. Co., Kane, Pa.
m., Bay City, Mich.
Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.
Baley Co., Manistee, Mich.

Saws (Band)

aw Mfg. Co., Natick, Mass.
Woodworking Machinery Co., Rochester, N. Y., & West St bldg, New York
. C. & Co., Indianapolis, Ind.
. H. & Co., Lawrenceburg, Ind.
w Co., Canton, O.
tres., Middletown, N. Y.
Machine Co. ("Crescent"), Leetonia, Ohio
Co. Mfg. Co., St. Louis, Mo
Detroit Saw & Tool Works, Detroit, Mich.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Edge, Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Gerlach, Peter Co., Cleveland, O.
HAMMACHER, SCHLEMMER & CO., 135 4th av, New York. (See adv. index end of book)
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hoe, R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Kennedy, Ralph M., 111 N 7th, Phila., Pa.
Lippert, E. T. Saw Mfg. Co., Bennett, Pa.
McNiece, Wm. & Son (Imported), 515 Cherry, Phila., Pa.
Marston, J. M. & Co. (Hand & Foot Power), 226 Ruggles, Boston, Mass.
National Saw Co., Newark, N. J.
Oldham, Joshua & Sons, 112 26th, Brooklyn New York
Oliver Machinery Co., Grand Rapids, Mich.
Silver Mfg. Co., Salem, Ohio
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.
Terhune, E. L., 69 Centre, N. Y.
Toland & Son, e Front & Low, Baltimore, Md.
Toledo Saw Co., Toledo, Ohio
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.
Wright, Chas. E., Waterbury, Conn.

Saws (Band Sprue)

(See Band Sprue Sawing Machines)

Saws (Blind Slat)

American Woodworking Machinery Co., Rochester, N. Y., & West Street bldg, New York
Fay, J. A. & Egan Co., Cincinnati, Ohio
Hayes, E. B. Machine Co., Oshkosh, Wis.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, Ohio

Saws (Buck)

Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Butchers', Etc.)

Andrews, E. & Sons, Williamsport, Pa.
Atkins, E. C. & Co., Indianapolis, Ind.
Bishop, Geo. H. Co., Lawrenceburg, Ind.
Chatillion, Jno. & Sons ("Chatillion"), 85 Cliff, New York
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Massachusetts Saw Works ("Diamond"), Chicopee, Mass
Millers Falls Co. ("Star" Crucible Steel Back), 28 Warren, New York; Works: Millers Falls, Mass.
Ohlen, J. & Sons Saw Mfg. Co., Columbus,
Reading Hardware Co., Reading, Pa. Ohio
Ross, James, 107 E Court, Cincinnati, O.
Simonds Mfg. Co., Fitchburg, Mass.
Thompson, H. C. & Son Co. (Polished, also in Coils of 50 feet), New Haven, Conn
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Circular)

Atkins, E. C. & Co., Indianapolis, Ind.
Barnes Bros., Muskegon, Mich.
Buckeye Saw Mfg. Co. (Inserted & Solid Tooth)
Canton Saw Co., Canton, O. Columbus, O
Chattanooga Saw Works (Solid Tooth), Chattanooga, Tenn
Clemsen Bros., Middletown, N. Y.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Detroit Saw & Tool Works, Detroit, Mich.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa
Eagle Saw Wks, Chattanooga, Tenn.
Emerson, Smith & Co., Beaver Falls, Pa.
Foucart, J. E., Williamsport, Pa.
Gerlach, Peter Co., Cleveland, O.
Hiles, C. A. & Co. (Solid Tooth, etc.), 14th & Western av, Chicago, Ill.
Hoe, R. & Co., 504 Grand, New York
Hoe, R. & Co., 504 Grand, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y
Kennedy, Ralph M., 111 N 7th, Phila., Pa.
Lippert, E. T. Saw Mfg. Co., Bennett, Pa.
McNiece, Wm. & Son, 515 Cherry, Phila., Pa.
Marston, J. M. & Co. (Hand & Foot Power), 226 Ruggles, Boston, Mass.
Menominee Saw Co., Menominee Mich.
Michigan Saw Co., Saginaw, Mich.
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons Saw Mfg. Co., Columbus Ohio
Oldham, Joshua & Sons, 112 26th, Brooklyn,
Penfield Saw Works, Bristol, Conn. N. Y.
Rowe & Trunnell, 123 W 2d, Cincinnati, O.
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.
Standard Saw Co., Bradford, Pa.
Tabor Mfg. Co. ("Taylor-Newbold"), 18th & Hamilton, Phila., Pa.
Terhune, E. L., 69 Centre, New York
Toledo Saw Co., Toledo, O.
Wilson Saw & Mfg. Co. ("Wilson" Solid & Inserted Tooth), Port Huron, Mich.
Wolters-Baley Co., Manistee, Mich.

Saws (Circular, for Metal)

Atkins, E. C. & Co., Indianapolis, Ind.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hunter Saw & Machine Co. (For Hot or Cold Metal Crucibles, Slate, etc.), Pittsburg, Pa
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Ohlen, J. & Sons, Saw Mfg. Co., Columbus, O.

Saws (Circular, Stone)

Lincoln Iron Works (For Soft Stone, etc.), Rutland, Vt.
Meyers, W. F., Long Island City, N. Y. City
Ohlen, J. & Sons, Saw Mfg. Co., Columbus, O.

Saws (Cold)

(See Cold Saw Cutting-Off Machines)

Saws (Concave)

Atkins, E. C. & Co., Indianapolis, Ind.
Barry Saw Co., 228 S. Penn, Indianapolis, Ind.
Canton Saw Co., Canton, O.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Gerlach, Peter Co. (Circular), Columbus Rd & Winter, Cleveland, O.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Lippert, E. T. Saw Mfg. Co., Bennett, Pa.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Oldham, Joshua & Sons, 112 26th, Brooklyn, New York
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.

Saws (Coping)

Millers Falls Co., 28 Warren, New York; Works: Millers Falls, Mass.

Saws (Cotton Gin)

Turner's, Jonathan F. Sons, Ossining, N. Y.

Saws (Cross-Cut)

Andrews, E. & Son, Williamsport, Pa.
Atkins, E. C. & Co., Indianapolis, Ind.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Disston, Henry & Sons, Tacony, Phila., Pa.
Grammes, L. F. & Sons (Jobbers), Allentown, Pa.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Menominee Saw Co., Menominee, Mich.
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Prouty, C. & Co., Eldred, Pa.
Root, B. M. Co., York, Pa.
Simonds Mfg. Co., Fitchburg, Mass.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Cylinder)

Gerlach, Peter Co., Cleveland, O.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.

Saws (Dehorning)

Atkins, E. C. & Co., Indianapolis, Ind.
Barnes, W. F. & John Co., Rockford, Ill.
Bishop, Geo. H. & Co., Lawrenceburg, Ind.
Disston, Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Hiles, C. A. & Co., Chicago, Ill.
Millers Falls Co. ("Star"), Millers Falls, Mass.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

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Saws (Diamond)

Atkins, E. C. & Co., Indianapolis, Ind.
Diamond Saw & Stamping Co., 361 7th, Buffalo, N. Y.
MEYERS, WILLARD F. (Reciprocating & Circular), 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)

Saws (Drag)

Atkins, E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Canton Saw Co., Canton, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Disston, Henry & Son (Inc.), Tacony, Phila., Pa.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Heebner & Sons (Horse Power), Lansdale, Pa.
Hoe, R. & Co., 504 Grand, New York
Howell, R. R. & Co., Minneapolis, Minn.
Kline, Lewis T., Alpena, Mich.
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Simonds Mfg. Co., Fitchburg, Mass.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Flexible Back Band)

(See Saw Blades, Hack, Flexible Hack)

Saws (Gang)

Atkins, E. C. & Co., Indianapolis, Ind.
Canton Saw Co., Canton, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Disston, Hy. & Sons (Inc.), Tacony, Phila. Pa.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Foucart, J. E., Williamsport, Pa.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hoe, R. & Co., 504 Grand, New York
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Simonds Mfg. Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Gang, Stone & Slate)

(See Stone Gang Sawing Machines)

Saws (Grooving)

Atkins, E. C. & Co., Indianapolis, Ind.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hoe, R. & Co., 504 Grand, New York
Michigan Saw Co., Saginaw, Mich.
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Oldham, Joshua & Sons, 112 26th, Brooklyn, New York
Simonds Mfg. Co., Fitchburg, Mass.
Standard Saw Co., Bradford, Pa.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Hack)

(See Saw Blades & Frames, Hack; also Hack Saw Machines)

Saws (Hand)

Atkins, E. C. & Co., Indianapolis, Ind.
Bishop, Geo. H. & Co., Lawrenceburg, Ind.
Clemsen Bros., Middletown, N. Y.
Disston, Henry & Sons, Tacony, Phila., Pa.
Jennings, C. E. & Co., 42 Murray, New York
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons' Saw Mfg. Co., Columbus, O.
Simonds Mfg. Co., Fitchburg, Mass.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Hot, Cut-off)

(See Machines, Hot Sawing)

Saws (Ice)

Atkins, E. C. & Co., Indianapolis, Ind.
Clemsen Bros., Middletown, N. Y.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Disston, Henry & Sons, (Inc.), Tacony, Philadelphia, Pa.
Gerlach, Peter Co., Cleveland, O.
Gifford-Wood Co., Hudson, N. Y., & Arlington, Mass.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Hoe, R. & Co., 504 Grand, New York
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Oldham, Joshua & Sons, 112 26th, Brooklyn New York
Simonds Mfg. Co., Fitchburg, Mass.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Inserted Teeth)

Andrews, E. & Sons, Williamsport, Pa.
Buckeye Saw Mfg. Co., Columbus, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Miner, J. H., Lumberton, Mass.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Simonds Mfg. Co., Fitchburg, Mass.
Tabor Mfg. Co. ("Taylor-Newbold"), 18th & Hamilton, Phila., Pa.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Jewelers')

Miller's Falls Co. ("Star"), 28 Warren, New York. Works: Miller's Falls, Mass.
West Haven Mfg. Co., New Haven, Conn.

Saws (Jig)

Atkins, E. C. & Co., Indianapolis, Ind.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Royle, John & Sons (Inc.) (For Metal Mortising, etc.). Straight & Essex, Paterson, N. J
Simonds Mfg. Co., Fitchburg, Mass.

Saws (Kitchen)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Christy Knife Co., Fremont, O.
Goodell-Pratt Co., Greenfield, Mass.
Miller's Falls Co. ("Star" Steel Frame), 28 Warren, New York. Works: Miller's Falls, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Metal Slitting)

Automatic Tool Co., East Norwalk, Conn.
Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
Pratt & Whitney Co., Hartford, Conn.
Thurston Mfg. Co. (Jewelers'), Providence, R. I.
Union Twist Drill Co., Athol, Mass.

Saws (Mitre Box)

Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Nail Cutting)

Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Piercing)

Dixon, Wm. (Inc.), 39 John, New York

Saws (Plumbers')

Atkins, E. C. & Co., Indianapolis, Ind.
BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
National Saw Co., 15 River, Newark, N. J.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Wilson Saw & Mfg. Co. ("Wilson"), Port Huron, Mich.

Saws (Plumbers' Hollow Mill)

West Haven Mfg. Co., New Haven, Conn.

Saws (Rail & Shop)

(See also Shop Sawing Machines, Iron)

Atkins, E. C. & Co., Indianapolis, Ind.
FAIRBANKS, MORSE & CO. (Portable), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Q. M. S. Co. ("Q. & C." Portable Rail Saws), Plainfield, N. J

Saws (Scroll)

American Woodworking Machinery Co., Rochester, N. Y., & West St bldg, N. Y.
Atkins, E. C. & Co., Indianapolis, Ind.
Disston, Henry & Sons (Inc.), Tacony, Phila.
Edge, Frank & Co., Grand Rapids, Mich. Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Gerlach, Peter Co., Cleveland, O.
Hiles, C. A. & Co. ("Foys"), 14th & Western av, Chicago, Ill.
Miller's Falls Co. ("Star"), 28 Warren, New York. Works: Miller's Falls, Mass.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
Pomeroy Scroll Saw Co., Hartford, Conn.
Simonds Mfg. Co., Fitchburg, Mass.

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Saws (Segment)

Atkins, E. C. & Co., Indianapolis, Ind.
Disston, Henry & Sons (Inc.), (And Veneering), Tacony, Phila., Pa.
Hiles, C. A. & Co. ("Veneering, Re-Sawing, etc.), 14th & Western av, Chicago, Ill.
National Saw Co., Newark, N. J., & Middletown, N. Y.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Simonds Mfg. Co., Fitchburg, Mass.
Standard Saw Co. (And Veneering), Bradford, Pa.

Saws (Shaver)

Inter-State Equipment & Engineering Co. ("Little Shaver" for Cross-Cutting, Rip Sawing & Mitering, etc.), Old Colony bldg, Chicago, Ill.

Saws (Stone Cutting)

Anderson, Geo. & Co., 420 Ogden, Newark, N. J.
MEYERS, WILLARD F., 342 Vernon av, Long Island City, N. Y. (See adv. index, end of book)

Saws (Swing)

American Woodworking Machinery Co., Rochester, N. Y., & 90 West, New York
Atkins, E. C. & Co., Indianapolis, Ind.
Badger State Machine Co. (Improved Cut-Off), Janesville, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bentel & Margedant Co., Hamilton, O.
Chandler & Taylor Co., Indianapolis, Ind.
Chase Turbine Mfg. Co. (Cut-Off), Orange, Mass.
Colloday, Jos. O., 626 Race, Phila., Pa.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman, Meyer & Co., Cincinnati, O.
Cordesman, Rechtin Co., Cincinnati, O.
Curtis & Co. Mfg. Co., St. Louis, Mo.
Diamond Iron Works, Minneapolis, Minn.
Dodds, Alexander, Grand Rapids, Mich.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Filler & Stowell Co., Milwaukee, Wis.
Fischer, E. Machine Works (6-foot Swing), 710 Carroll av, Chicago, Ill.
Frank Machinery Co., Buffalo, N. Y.
Greaves, Klusman & Co., Cincinnati, O.
Hill, W. E. & Co. (Iron Frame), Kalamazoo, Mich.
Hobbs Mfg. Co., Worcester, Mass.
Holmes, E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Howell, R. R. & Co., Minneapolis, Minn.
Huntsville Foundry & Machine Works, Nolan & Jones (Prop's), Huntsville, Ala.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Luther, B. G. & Co., Worcester, Mass.
Murray, D. J. Mfg. Co., Wausau, Wis.
Ohlen, J. & Sons Saw Mfg. Co., Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter, C. O. & A. D., Grand Rapids, Mich.
Power, L. & Co., 20 S 23d, Phila., Pa.
Root, B. M. Co., York, Pa.
Seymour & Whitlock, Newark, N. J.
Sidney Tool Co. ("Defiance"), Sidney, O.
Smith, H. B. Machine Co. (Swing Cut-Off), Smithville, N. J.
Southern Engine & Boiler Works, Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Strait, H. N. Mfg. Co. (For Cooperage, etc.), Kansas City, Mo.
Union Iron Works, Bangor, Me.
U. S. Machine Co. (Iron Frame), Williamsport, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Wheland Machine Works, Chattanooga, Tenn.
White, John A. Co., Dover, N. H.
Wickes Bros., Saginaw, Mich.
Yerkes & Finan Woodworking Mahine Co., St. Louis, Mo.

Scaffold Builders

Brown, J. K. & Co., 181 3d av, Brooklyn, N. Y.
Chesebro, Whitman & Co., 1167 1st av, New York
Grass Mfg. Co., 125 N. 2d, Phila., Pa.
Miller Ladder Co. (Painters, Paper Hangers, etc.), N 56th av, Chicago, Ill.
Murray, Wm. J. Co. (Adjustable), 862 Pelham av, New York
Portland Extension Ladder Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J.

Scagliola Work

(See Marble, Artificial)

Scalers (Fish)

Landers, Frary & Clark, New Britain, Conn.
Storts, John & Son, 210 Vine, Phila., Pa.

*Scales (Abattoir)

OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Armor Plate)

(See Scales, Rolling Mill)

*Scales (Army & Navy)

OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Automatic)

Automatic Scale Co., Bridgeport, Conn.
Avery Scale Co., North Milwaukee, Wis.
National Automatic Weighing Machines, 137 Pearl, Boston, Mass.
Henrichson Scale Co., Cincinnati, O.
Hunt, C. W. Co. (Railway), West New Brighton, S. I., N. Y.
National Scale Co., Chicopee, Mass.
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Streeter-Amet Weighing & Recording Co., 140 Dearborn, Chicago, Ill.
Union Scale Co., 14 L, South Boston, Mass.
Union Scale & Mfg. Co., Chicago, Ill.
United States Automatic Mach. Co., 15 Beacon, Boston, Mass.

Scales (Balance)

Torsion Balance Co. ("Torsion"), 92 Reade New Yorl

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OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Beam)

Avery Scale Co., North Milwaukee, Wis.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., Chicago, Ill.
Columbia Steel Lever Scale Co., 29 W. Randolph, Chicago, Ill.
Fairbanks Co., 186 Lafayette, New York
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index, end of book)
Forschner, Chas. & Sons, 280 3rd av, New
National Scale Co., Chicopee, Mass. York
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Standard Scale & Supply Co. (Recording Beam), 243 Water, Pittsburg, Pa.
Sargent & Co., New Haven, Conn., & 94 Center, New York
Stephenson, L. & Co. ("Dearborn" for Wool, Cotton, Sugar, Paper, etc.), 22 Custom House, Boston, Mass.

Scales (Boiler Room)

Avery Scale Co. (Automatic Recording), N. Milwaukee, Wis.
Buffalo Scale Co., Buffalo, N. Y.
Hunt, C. W. Co. (Automatic), West New Brighton, S. I., N. Y.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

Scales (Cattle)

(See Scales, Stock)

Scales (Cement Testing)

(See Testing Machines, Cement)

*Scales (Charging)

OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Coal)

(See Scales, Platform & Wagon)

Scales (Coal, Automatic)

Avery Scale Co. (Automatic Recording), North Milwaukee, Wis.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Coal, Traveling)

Avery Scale Co. ("Avery," Automatic Checking Feed to Boilers), North Milwaukee, Wis.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

Scales (Computing)

Anderson Computing Scale Co., Anderson, Ind.
Angidile Scale Co., Elkhart, Ind.
Arithmetical Scale Co., Chattanooga, Tenn.
Computing Scale Co., Dayton, O.
McGrew Computing Scale Co., St. Louis, Mo.
National Scale Co., Chicopee Falls, Mass.
National Counting & Computing Co., Providence, R. I
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Computing Scale Co., Detroit, Mich.
Stimpson, W. F. Co., Detroit, Mich.
Strubler Computing Scale Co., Elkhart, Ind.
Toledo Computing Scale Co., Toledo, O.
Triner Scale Mfg. Co. 1255 W. 21st, Chicago, Ill.

*Scales (Cotton & Wool)

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Landers, Frary & Clark ("Turnbull's" Spring), New Britain, Conn.
National Scale Co., Chicopee, Mass.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Peck, Stowe & Wilcox Co., Southington, Conn.
Pelouze Scale & Mfg. Co., 405 Ohio, Chicago, Ill.
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Simplex Mfg. Co., Cleveland, Ohio.
Standard Computing Scale Co., Detroit, Mich.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Toledo Computing Scale Co., Toledo, Ohio
Triner Scale & Mfg. Co., 1225 W 21st, Chicago, Ill.
Troemner, Henry, 911 Arch, Philadelphia, Pa.
Trowbridge, J. S. Co., 16 Elm, Boston, Mass.

Scales (Crane or Suspended)

(See Scales, Suspended, for Boiler Rooms; also Suspended or Crane Weighing Machines)

*Scales (Dairy)

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*Scales (Depot)

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Scales (Dormant)

Buffalo Scale Co., Buffalo, N. Y.
National Scale Co., Chicopee, Mass.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scales (Dump)

Avery Scale Co., North Milwaukee, Wis.
Buffalo Scale Co., Buffalo, N. Y.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

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*Scales (Factory)

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Scales (Family)

American Cutlery Co. (Steel & White Tile Top), 193 Mather, Chicago, Ill.
Forschner, Chas. & Sons (Circular, Standard, etc.), 206 E 19th, New York
Hanson Bros., 18 W Randolph, Chicago, Ill.
Landers, Frary & Clark ("Columbia," "Landers"), New Britain, Conn.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Pelouze Scale & Mfg. Co., 405 Ohio, Chicago, Ill.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Triner Scale & Mfg. Co., 21st & Fairfield av, Chicago, Ill.

*Scales (Fish)

OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

*Scales (Fluid)

SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)

Scales for Balancing Planer Saws

Munson Co., Grand Rapids, Mich.

Scales for Drawing

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Keuffel & Esser Co., 127 Fulton, New York
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Avery Scale Co., North Milwaukee, Wis.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Cincinnati Scale Mfg. Co., Cincinnati, O.
Dutton, J. B. ("Dutton," Automatic), Detroit, Mich.
Fairbanks, E. & T. Co., St. Johnsbury, Vt.
Howe Scale Co., Rutland, Vt.
Jones, of Binghamton, N. Y.
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OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Pratt & Whitney Co.; Hartford, Conn.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

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Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 292 W Jackson boul, Chicago, Ill.
Cincinnati Scale Mfg. Co., 212 Walnut, Cincinnati, O.
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Fairbanks Co., 186 Lafayette, New York
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Howe Scale Co., Rutland, Vt., & 341 B'way, New York
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Queen City Scale Co., Cincinnati, O. Ill.
Richardson Scale Co., 3 Park Row, New York
SCHULE, F. H. CO., 114-118 Liberty, New York. (See adv. index, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Strait, H. N. Mfg. Co. ("Monarch Dormant"), Kansas City, Mo.
Wolff, Fred, 625 W Boulevard, Kansas City, Mo.

*Scales (Ice)

OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

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Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

*Scales (Locomotive)

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*Scales (Mill)

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Scales (Miners' & Transportation)

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OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

*Scales (Oil)

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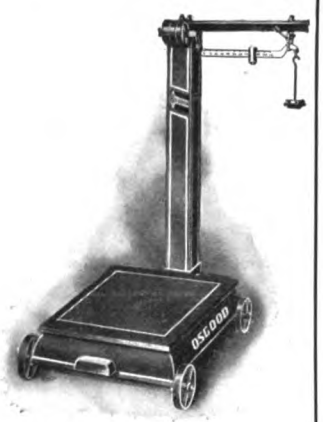
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(See Scales, Rolling Mill)

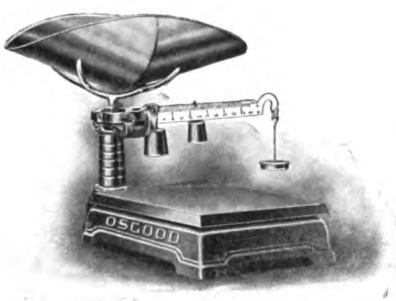
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Brunner, Charles, Peru, Ill.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
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Chatillion, Jno. & Sons (Portable Platform only), 85 Cliff, New York
Chicago Scale Co., 292 W Jackson boul, Chicago, Ill.
Cincinnati Scale Mfg. Co., Cincinnati, O.
Columbia Steel Lever Scale Co., 20 W. Randolph, Chicago, Ill.
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Fairbanks Co., 186 Lafayette, New York
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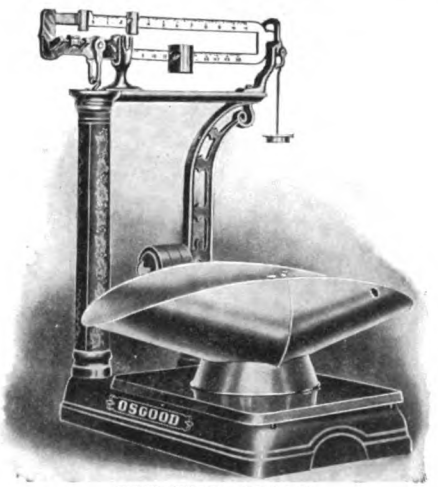
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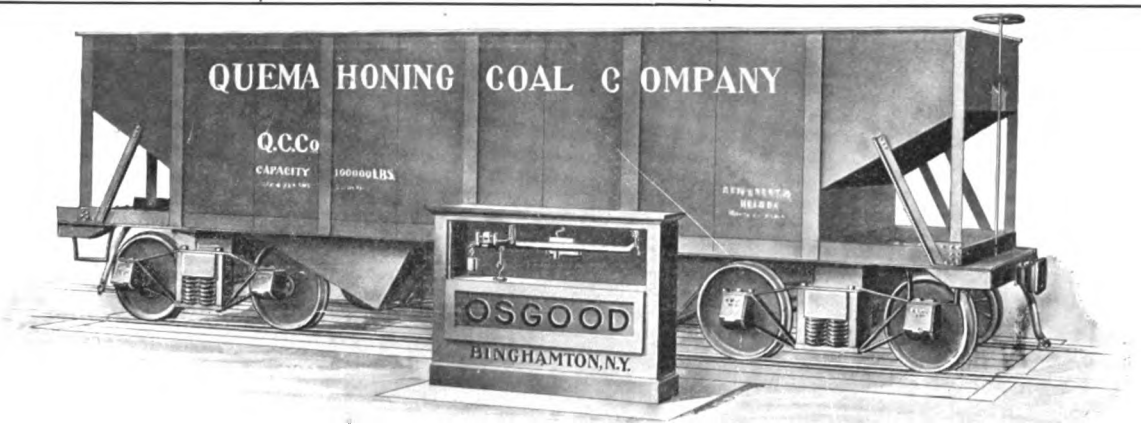
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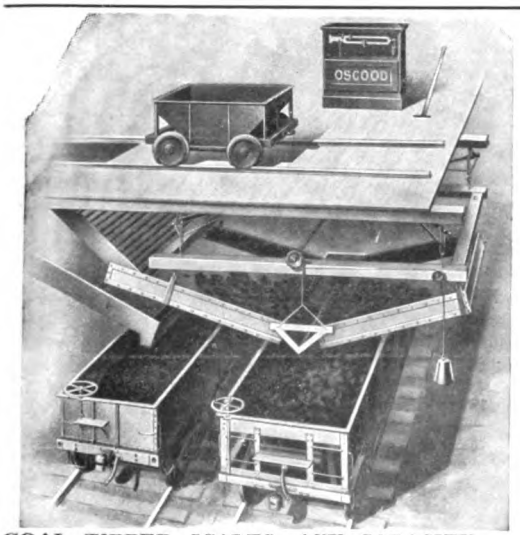
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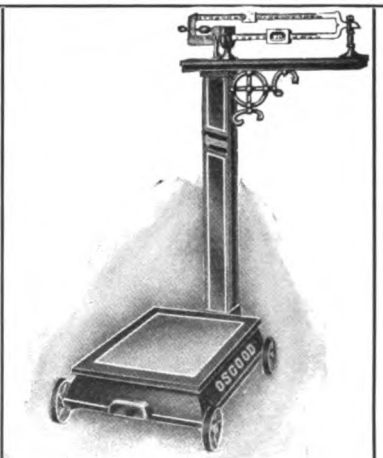
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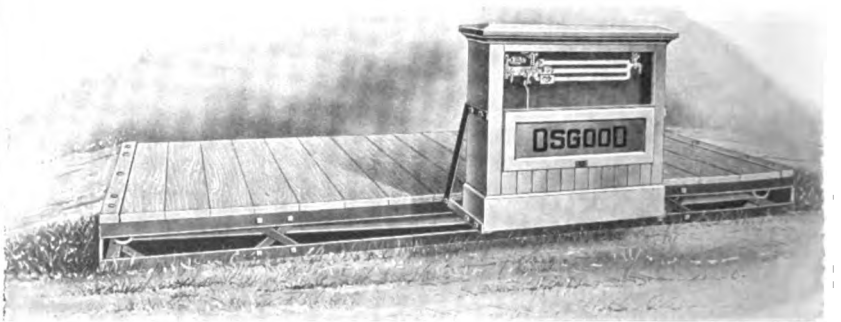
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Strait, H. N. Mfg. Co. ("Monarch"), Kansas City, Mo.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Weeks Scale Works, 373 7th, Buffalo, N. Y.
Zering, H. Mfg. Co. (Portable), Cincinnati, O.
Zimmerman Steel Co., Lone Tree, Ia.

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Forschner, Chas. & Sons, 230 3rd av, New York
Hurd & Haggin, 316 Hudson, New York
NATIONAL SCALE CO., Beaver Falls, Pa. (See adv. index, end of book)
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Pelouze Scale & Mfg. Co., 405 Ohio, Chicago, Ill.
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Tatum, Sam'l C. Co., Cincinnati, O.
Triner Scale & Mfg. Co., 1255 W 21st, Chicago, Ill.

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(See Scales, Track)

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OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

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Henrichson Scale Co., Cincinnati, O.
Hanson Bros., 30 W Randolph, Chicago, Ill.
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National Scale Co., Chicopee, Mass.
Sargent & Co., New Haven, Conn., & 94 Centre, New York

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Brunner, Chas. ("Acme"), Peru, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 202 W Jackson boul., Chicago, Ill.
Dayton Pitless Scale Co. ("Boulton's Improved Pitless"), Dayton, Ohio
Des Moines Wagon Works ("Ideal"), Des Moines, Iowa
Fairbanks Co., 186 Lafayette, New York
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Gaston's, N. B. Sons Co., Beloit, Wis.
Government Standard Scale Works (M. H. Winslow, Prop.), Terre Haute, Ind.
Howe Scale Co., Rutland, Vt.
Jones of Binghamton, Binghamton, N. Y.
Kansas Hay Press Co. ("Lightning"), Kansas City, Mo.
Kimball Bros. Co. ("Columbia"), Council Bluffs, Iowa
McDonald Bros. ("Economy"), Pleasant Hill, Mo.
Myers, Chas. H. & Co., Le Roy, Ill. Missouri
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OSGOOD SCALE CO. ("Challenge," "Hercules," "Triumph"), Binghamton, N. Y. (See adv. index & branch offices, end of book)
Queen City Scale Co. (repair), Cincinnati, O.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Standard Scale & Mfg. Co., Northville, Mich.
Stimpson Standard Scale Co., Northville, Mich.
Strait, H. N. Mfg. Co. ("National" & "Monarch"), Kansas City, Mo.
Zimmerman Steel Co. ("Royal"), Lone Tree, Iowa

Scales (Suspended, for Boiler Rooms)

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Buffalo Scale Co., Buffalo, N. Y.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
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Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

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Niles Mine & Mill Supply Co., Williamson bldg, Cleveland, O., & Niles, O.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.

Scales (Track)

Avery Scale Co. ("Avery" Automatic), North Milwaukee, Wis.
Barker, S. G. & Son, Scranton, Pa.
Beckman Bros., Des Moines, Iowa.
Brunner, Chas., Peru, Ill.
Buda Foundry & Mfg. Co., Railway Exchange Bldg., Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 202 W Jackson boul, Chicago, Ill
Cincinnati Scale Mfg. Co., 212 Walnut, Cincinnati, O.
Fairbanks Co., 186 Lafayette, New York.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Government Standard Scale Works (M. H. Winslow, Prop.), Terre Haute, Ind.
Howe Scale Co., Rutland, Vt.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Jones of Binghamton, Binghamton, N. Y.
Kansas City Hay Press Co., Kansas City, Mo.
MEAD-MORISON MFG. CO., Cambridge Mass., & 11 Broadway, New York. (See adv. index & branch office, end of book)
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)
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Strait, H. N. Mfg. Co. ("Monarch"), Kansas City, Mo.

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Scales (Trolley Track)

Coburn Trolley Track Mfg. Co., Holyoke, Mass.
OSGOOD SCALE CO., Binghamton, N. Y. (See adv. index & branch offices, end of book)

Scalpers (Corn Mill)

Nordyke & Marmon Co. (Round Reel & Hexagon), Indianapolis, Ind.

*Scalpers (Sieve)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Scenic Artists

Lash, Lee Studios, 142 W 89th, New York
Sosman & Landis, 236 S Clinton, Chicago, Ill.
Story, O. L. Scenic Co. (Inc.), 21 Tufts, Somerville, Mass.

Scissor Mfrs.

(See Shears & Scissors)

Scissors (Fluting)

Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.

Scissors (Sardine)

Johnson, Wm. (Hedenberg Works), Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co." or "Fetter's"), Harrison, N. J.

Scoops (Cheese)

American Cutlery Co., 193 Mather, Chicago, Ill.

Scoops (Coal)

(See also Shovel & Spade Manufacturers)

Avery Stamping Co., Cleveland, O.
Beall Bros. (Inc.), Alton, Ill.
Central Stamping Co., 174 Fulton, New York
Chisholm Steel Shovel Works (Solid Cast Steel) Cleveland O.
Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works: Charleroi, Pa.
Hubbard & Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
National Enameling & Stamping Co., Cass av & 2d, St. Louis, Mo., & 374 B'way, New York
Owensboro Shovel & Tool Co., Owensboro, Ky
Pfiefer, Jno. & Co., 224 Race, Phila., Pa.
Pittsburg Shovel Co., Pittsburg, Pa.
Reiter G. C. Canton Ohio
Stoutenborough, X., 277 Pearl, New York
Union Furnace Co., Union Furnace, Pa.
Wood Shovel & Tool Co., Piqua, O.

Scoops (Furnace)

Beall Bros. (Inc.), Alton, Ill.
Chisholm Steel Shovel Works (Solid Cast Steel) Cleveland O.
Hussey-Binns Shovel Co. (Cast Steel), Pittsburg, Pa. Works: Charleroi, Pa.
Hubbard & Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Ind.
Kohler, F. E. & Co., Canton, O.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pittsburg Shovel Co., Pittsburg, Pa.
Pfeifer, Jno. & &Co., 224 Race, Phila., Pa.
Reiter G. C. Canton, Ohio.
Schalkenbach & Budke, Jersey City, N. J.
Union Furnace Co., Union Furnace, Pa.

Scoops (Grain)

Beall Bros. (Inc.), Alton, Ill.
Chisholm Steel Shovel Works, Cleveland, O
Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works, Charleroi, Pa.
Hubbard & Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Pa.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer, Jno. & Co., 224 Race, Phila., Pa.
Pittsburg Shovel Co., Frick bldg, Pittsburg, Pa. Works, Leechburg, Pa.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Union Furnace Co., Union Furnace, Pa.
Wood Shovel & Tool Co., Piqua, O.

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Scoops (Potato, Corn, Etc.)

Hubbard & Co., Pittsburg, Pa.
Mount Pleasant Tool Co. (Malleable Iron). Mount Pleasant, Pa.
Union Fork & Hoe Co., Columbus, O.

Scoops (Scale)

American Can Co., 447 W 14th, New York
Freeman Mfg. Co. (Wooden), Kalkaska, Mich.
Lalance & Grosjean, 299 B'way, New York
McMorran, Edw. E. & Co., 15 N. Clinton, Chicago, Ill.
National Enameling & Stamping Co., Cass av, cor. 2d, St. Louis, Mo.
National Scale Co., Chicopee, Mass.
Philadelphia Scoop Co., 134 N. 2d, Philadelphia, Pa.

Scoops (Tunneling)

Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.

*Scourers (Wheat & Buckwheat)

SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Scow Builders (River)

Howard Ship Yards Co. (Scow & Barge), Jeffersonville, Ind.
Manitowoc Dry Dock Co. (Dump, Derrick, etc.), Manitowoc, Wis.
Perth Amboy Dry Dock Co. (Brick & Freight), Perth Amboy, N. J.

Scrap Brass

(See also Scrap Iron & Steel)

Atlas Smelting & Refining Co., 1012 Germantown av, Phila., Pa.
Bers, E. & Co., 22 S Del av, Phila., Pa.
Culbert, John C., Pawtucket, R. I.
Dolgoff, Jas. L., Bridgeport, Conn.
Duquesne Reduction Co., Pittsburg, Pa.
Fort Wayne Smelting & Refining Works, Fort Wayne, Ind.
Goldberg & Rathman, 299 Commercial, Boston, Mass.
Giacomo, San Sons, 9 Abel, Newark, N. J.
Grimm, Paul, 809 Water, New York
Gruenebaum, L., 418 E 7th, Cincinnati, O.
Hofeller, Theo. & Co., Buffalo, N. Y.
Illinois Smelting & Refining Co., 122 N Peoria, Chicago, Ill.
Kahn Bros., 517 E 19th, New York
Lehman Bros., Hoboken, N. J.
Lake Erie Smelting & Refining Co., Cleveland, Ohio
London, N., 31 Peck sl, New York
Moers, Albert A., 412 Grand, Jersey City, N. J.
Moore, C. W., 39 E Washington, Bridgeport, Conn.
Peerless Smelting & Refining Co., Phila., Pa.
Shonberg, I., 63 Hudson av, Brooklyn, N. Y.
Smith, Morton B. Co., 248 Front, New York
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Scrap Iron & Steel

(See also Special List of Scrap Brass)
(This list is published for Purchasing Purposes and comprises only the Largest firms who make a specialty of Scrap Iron & Steel)

ALABAMA.

BIRMINGHAM—Weller & Co.

CALIFORNIA.

SAN FRANCISCO—Burnstine Bros. Co., 534 Harley, Chas. Co., 844 Harrison Brannan

COLORADO.

DENVER—Consolidated Iron & Metal Co
Denver Metal Co.

CONNECTICUT.

WATERBURY—Waterbury Scrap Iron Co.

DELAWARE.

WILMINGTON—Stirlith Bros.

ILLINOIS.

AURORA—Annenberg, J. D. & Co.
CHICAGO—Blonder Bros., 161 W Chicago av
Bregman, L. I. & Co., 64 Dearborn
Buda Foundry & Mfg. Co., Railway Exchange bldg.
Illinois Iron & Metal Co., 183 W Taylor
Joseph, Isaac Iron Co., Monadnock blk
Lanski, I. & Son Co., W 22d cor S Jeff
Levine, A. & Co., 1461 State
Marks, H. & Son, 322 W 14th pl
Morris, S. & Co., 462 S Canal
Ohio Iron & Metal Co., First Natl. Bank
Stern, Harris, 272 S Clinton bldg
Twomey, W. T. & Co., Rookery bldg
Williams, Jacob, 403 S Canal
PEORIA—Cohen, J. & Son
QUINCY—Bupp, Geo. & Bros. Co.
ROCK ISLAND—Morris & Lewis.

INDIANA.

EVANSVILLE—Fligeltaub, Henry

KENTUCKY.

LOUISVILLE—Weber, Simon & Son

LOUISIANA.

NEW ORLEANS—Doran, Wm.
Marx, Alphonse

MARYLAND.

BALTIMORE—Baltimore Iron & Metal Co., 1620 Gough
Bowman, Wm., 1325 Eastern av.
Monumental Iron & Metal Co., 228 W Pratt
Wehr, H. & Co., Pratt & President
Winternitz, Hiram & Co., 221 S Howard.
Woolford & Thomas, 914 S B'way

MASSACHUSETTS.

BOSTON—Broomfield, Philip & Co. (also Scrap Rubber), 72 Midway
Doane, G. B. & Son, 18 Midway, S. B.
Houdlette, Fred. A. & Son, 93 Broad
Perry, Wm. H. Co., 43 Stillings
Stewart, Jas. & Co., 240 A, S. B.
Wadman, Vernon S., 38 Burroughs
CAMBRIDGE—Fine, Chas. E. C.
FALL RIVER—Dunn, Wm. J.
FITCHBURG—Hardy, John Co.
LOWELL—Harris, A. J. & Co.
NEW BEDFORD—McCollough, John
SPRINGFIELD—Ehrlich, A. B. & Co.
WORCESTER—Buxton, E. & Son Co.

MICHIGAN.

DETROIT—Cohen, Alex. Iron Co., 20 Franklin
Ginsburg, R. L. Sons Co., 542 Franklin
Goldman, A. & Co., 2580 W Jefferson av
Riverside Scrap Iron & Metal Co.
LANSING—Simon, Abram Iron Co.
SAGINAW—Clinkofstine, Layne S. & Son

MINNESOTA.

MINNEAPOLIS—George, J. W., 717 S 3d

MISSOURI.

ST. LOUIS—Hirsch Rolling Mill Co.
Werthan & Co., ft Dorcas

NEW JERSEY.

HOBOKEN—Lehman Bros.
JERSEY CITY—Conley, Frank Co., 430 Montgomery
Jersey Rubber & Metal Co., 164 1st
NEWARK—Benisch, Meyer & Bro.
WALSH'S SONS & CO. (See adv. index, end of book)
PERTH AMBOY—Gregory, Jno. H.
PHILLIPSBURG—Gibney Iron & Steel Co.
Vetter, Casper & Son

NEW YORK.

BUFFALO—Buffalo House Wrecking & Salvage Co., 491 Walden av
Benjamin Iron & Steel Co., D. S. Morgan
Lichtenstein, M. & Son, 350 Clinton
Michel, Louis, 29 Wash'n
Sukernek, Louis
Ullman, Jacob, 44 Lloyd
NEWBURGH—Hart, Patrick

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Blume, H. & Son, 536 Myrtle av
Samuels, M. & Sons, N 2d
Smith, Thos & Son, 64 Frost
Watson, Andw., 44 Withers

Boroughs of Manhattan & Bronx.

NEW YORK CITY—Blake, M. J. & M., 79 10th st
Continental Iron & Steel Co., 2 Rector
Danvers, R. E., 428 E 18th
Imperial Metal Mfg. Co., 420 E 108th
Jane Old Metal Co., 20 Jane
LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)
Leonard, Jno. & Co., 149 B'way
Lowy, D. & Co., 68 10th av
Metropolitan Iron & Steel Co., 210 11th st
Reiss, Edw. S. & Co., 32 B'way
Seymour, Chas. F., 72 10th av
Smith, Morton B. Co., 243 Front
U. S. Metal & Mfg. Co., 165 Broadway

Borough of Queens.

LONG ISLAND CITY—Daly, Jno. J.

(End of New York City)

TROY—Security Steel & Iron Co.
UTICA—Baxter, T. W. Co.

NORTH CAROLINA.

CHARLOTTE—Yarbrough & Bellinger Co

OHIO.

AKRON—American Scrap Iron Co. (Rails, Beams, etc.)
CANTON—Canton Iron & Metal Co.
CINCINNATI—Block Pollak Iron Co., Carthage & Steelton
Fettig, Jos., 1910 Plum
General Supply, Iron, Steel & Rail Co.
Hilb & Bauer, 233 Mill
Hirsch, I. C. Iron, Steel & Rail Co.
Joseph, Isaac Iron Co., 525 Hunt
Klein & Cohn, 830 Wade
CLEVELAND—Cohen, M. & Son Co., 1228-1230 E 55th, N E
Fishbein & Gross, 411-413 Hill av, S E
Fishel & Marks, 3018 E 55th, S E
Hagusky, Jos. & Co., 850 E 67th, N E
Hathaway, A. G. & Co., Cuyahoga bldg
Hirsch, Wm. D. & Co.
Koblitz, Kohn & Co., 1519 B'way, S E
McCarthy, W. B., Rose bldg
Merwin Iron & Metal Co., 1722 Merwin
Schonthal, Jos., Iron Co. N W
Schwarzenberg, E. A., Garfield bldg
Shaw, A. & Co., 2687 E 40th, S E
Silberman, Morris, Rear 2698 E 23rd, S E
Wilkofsky, S. & Co., 2732 Crotona av, S E
COLUMBUS—Kilbourne, A. W., 450 W Spring
DAYTON—Israel Bros. Iron & Metal Co.
SPRINGFIELD—Landau & Schaedel
TOLEDO—Gerson, I. & Sons
YOUNGSTOWN—Wilkoff Bros. Co.

PENNSYLVANIA.

ALLENTOWN—Sofransky, H. & Co.
ERIE—Brown & Thomas
Quigley, Martin
LANCASTER—Hahn, J. F.
NORRISTOWN—Furlong, Andrew
PHILADELPHIA—Bers, E. & Co., 22 S Del av
Blakey, W. H., 313 Hale bldg
Caine, John J., North American bldg
Cox, J. & Co., Land Title bldg
Cunliffe, Robt. M., 11th & Washington
Dallett & Co., Harrison bldg
De Cou, Richard, 12th & Noble
Dreifus, Chas. Co., Pennsylvania bldg
Dreifus, Emanuel & Co., Arcade bldg
Eckhold's, Wm. Sons, 707 E Girard av
Fraley's, S. C. Sons, 515 Richmond
Gillingham, H. F. & Co., 1013 N Front
Girard Iron & Metal Co., E York & Amargo av
Goldstein's, L. Sons, 1036 N Front
Henning, Jno. & Son, 1016 E Susquehanna av
Hitner's, Hy. A. Sons Co. (Also Metals, etc.), Huntington & Aramingo av
Houston, C. B. & Co., Franklin Bank bldg
Johnson, Geo. T. & Co., Penna. bldg
Kaiser, A. V. & Co., Drexel bldg
Keeley, Jerome & Co., 421 Chestnut
Law, Ernest & Co., Harrison bldg
Leaf, E. R. & Co., Real Estate Trust bldg
Mohr, J. J. (Old Car Wheels, etc.), Bullitt bldg

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Newkirk, Jno. B. & Co., Harrison bldg
Plitt & Co., Real Estate Trust bldg
Purves Machinery & Iron Co., 17 South
Samuel, Frank (Firm of), Harrison bldg
Weil, Morris & Sons, 837 N 3d
Wheeler, Mifflin & Co., Arcade bldg
Wilson, E. H. & Co., Arcade bldg
Wister, L. & R. & Co., Bullitt bldg
Wood, A. M. Co., Arcade bldg
PITTSBURG—Bell Bros., 27th & A V By
Bowes, Homer, River av & Federal
Continental Iron & Steel Co.
Dreifus, Chas. Co., Frick bldg
Fasberg, Samuel, 368 Soho
Frank, M. K., Frick bldg
Green, L. A. Co., Park bldg
Hausman & Wimmer Co., 111 2nd av
Higgins, L. J. & Son, Pike nr 18th
Isay, H. & Bro., 803 Penna av
Jones, J. B. & Co., 712 Lacock E
Keystone Iron & Steel Co.
Kochler, J. P. Co., 2918 Penn av
Kochler & Streng Co., 2830 Liberty av
Levinson, Schubb & Caplan, 35 Pride
McDermott, Jno. J., 31 Water
M'Lean, Geo. A. & Co., 915 Beaver av
McKenney, Wm. G. & Co., 2827 Smallman
Maloney, T. J., A V Railroad & 29th
Mark & McKelvey, 37th & Smallman
Moore, Edgar M. & Co., Farmers' Bank bldg
Oratto, Frank, 4106 Liberty av
Riccordino, Angelo, 1014 Webster av
Ryan & O'Neill, 3137 Spring av
Sherriff-Kaufman Co., Lewis bldg
Sorocco, John J., 616 Webster av
Speer, M. B. & Co., 576 Lacock E
Streng's, M. Sons Co., River av & Walnut
WILKES-BARRE—Fisher, Louis I.

RHODE ISLAND.

PROVIDENCE—Higgins, J. H. Co.
Perry, Wm. H. Co.
Pettis, B. H. Co.

WISCONSIN.

LA CROSSE—La Crosse Scrap Iron & Metal Co.
MILWAUKEE—Jones, E. P. & Bro.

Scrap Rubber

Bers, E. & Co., 22 S Delaware av, Phila., Pa.
Broomfield, Philip & Co. (Also Scrap Iron & Steel), Midway, Boston, Mass.
Contey, Frank, 430 Mont'g, Jersey City, N. J.
Green & Shonberg, Morton bldg, New York
Grimm, Paul, 309 Water, New York
Hofeller, Theo. & Co., 98 Terrace, Buffalo, N. Y.
Jersey Rubber & Metal Co., 164 1st, Jersey City, N. J.
Kilbourne, A. W., 450 W Spring, Columbus, O
Lehman Bros., Hoboken, N. J.
Moers, E. M. Sons, 16 James Slip, New York
Schwab & Co., Phila., Pa.
Trenton Scrap Rubber Supply Co., Trenton, N. J.
U. S. Waste Rubber Co., Brockton, Mass.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

*Scrap Tin

WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Scrapers (Asphalt)

Durlach, I. (5-ft. Handle), 54 Vesey, New York

Scrapers (Boiler Flue or Tube)

(See Cleaners, Boiler Flue or Tube)

Scrapers (Box & Plumbers')

Atkins, E. C. & Co. (Floor & Cabinet Bench), Indianapolis, Ind.
BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. index, end of book)
Bradley's, G. W. Sons (Inc.) (Box Only), Westport, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Britt & Page (Universal Wood), Lowell, Mass.
Browne & Dowd Mfg. Co. (Plumbers), Meriden, Conn.
Carver Tool Works, Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn.
Dicke Tool Co., Downers Grove, Ill.
Drew, C. & Co., Kingston, Mass.
Johnson, Wm. (Hedenberg Works), Newark,
Krauter & Co., Newark, N. J. N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B." Box Only), 875 W Carroll av, Chicago, Ill.
Weston, Thos. B. (Box), 118 Centre Market Space, Baltimore, Md.
Wilcox, Crittenden & Co., Middletown, Conn.

Scrapers (Burning Off)

Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Scrapers (Butchers' Block)

Bradley's, G. W. Sons (Inc.), Westport, Conn.
Browne & Dowd Mfg. Co., Meriden, Conn.
Chatillon, John & Sons, 85 Cliff, New York
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
National Saw Co., Newark, N. J.
Simonds Mfg. Co., Fitchburg, Mass.
Specialty Mfg. Co., Hatfield, Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Stortz, John & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

*Scrapers (Cabinet, Etc.)

IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Scrapers (Coke)

Niles Mine & Mill Supply Co., Williamson bldg, Cleveland, O., & Niles, O.
Solid Steel Tool & Supply Co., Pittsburg, Pa.

Scrapers (Cotton)

Atlanta Agricultural Works ("Atlanta"), Atlanta, Ga.
Avery, B. F. & Sons, Louisville, Ky.
Blount, Henry F., Evansville, Ind.
Empire Plow Co. ("Oliver"), Cleveland, Ohio
Hall, Jas. H. Plow Co., Maysville, Ky.
Rock Island Plow Co., Rock Island, Ill.
Southern Plow Co., Columbus, Ga.

Scrapers (Drag Wheel)

(See Road Scrapers, Drag & Wheel)

Scrapers (Floor)

Ackerman, J. B., Grand Rapids, Mich.
Floor Sanding & Polishing Machine Co., 628 Race, Phila., Pa.
Fox Machine Co., Grand Rapids, Mich.
Fox Mfg. Co., Milwaukee, Wis.
Hurley Machine Co., 153 S. Jefferson, Chicago, Ill.
Kuster, J. A. ("Common Sense"), Plymouth, Wis.
OSBORN MFG. CO. (Iron Head Rubbers), 5401 Hamilton av N E, Cleveland, Ohio. (See adv. index, end of book)
Putnam Mfg. Co. ("Black Hawk"), Davenport, Ia.
Richards, F. P. Mfg. Co., Springfield, Ill.
Rudd Mfg. Co. ("X. L."), 232 S Clinton, Chicago, Ill.
Schlueter, M. L., 30 S Canal, Chicago, Ill.
Star Floor Scraper Co., Elkhard, Ind.
STARRETT, L. S. CO., (For Floors, Benches, etc.), Athol, Mass. (See adv. index & branch offices, end of book)
Stortz, John & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B." Steel Blades), 875 W Carroll av, Chicago, Ill.
Weber Mfg. Co. ("Weber" Double Acting), West Allis, Wis.

Scrapers (Foot)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Columbia Grey Iron Co., Columbia, Pa.
Davis Mfg. Co., Milwaukee, Wis.
Dosch Mfg. Co. ("Champion"), Bridgeport, Conn.
Griffin Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
National Mfg. Co., Sterling, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Pratt, Wm. E. Mfg. Co. (Steel), 91 Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Richards Mfg. Co. (Steel), Aurora, Ill.
Rock River Mfg. Co., Dixon, Ill.
Root Bros. Co., Plymouth, Ohio
Schreiber & Concher Mfg. Co., Dubuque, Iowa
Stearns, E. C. & Co., Syracuse, N. Y.
Stover Mfg. Co. Freeport, Ill.
Weller Hardware & Foundry Co. (Cast), Horseheads, N. Y.
Wilcox Mfg. Co. (Steel), Aurora, Ill.
Williams, A. C. Co., Ravenna, O.

Scrapers (Hog)

Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Vaughn & Bushnell Mfg. Co. ("V. & B." Sheet Steel), 875 W Carroll av, Chicago, Ill.

Scrapers (Ice Cream Can)

Stortz, John & Son, 210 Vine, Phila., Pa.

Scrapers (Kettle)

(See Scrapers, Pot & Kettle)

Scrapers (Miners')

(See Miners' Needles & Scrapers)

Scrapers or Cleaners (Track)

(See Cleaners, Track)

Scrapers (Painters' & Paperhangers')

Browne & Dowd Mfg. Co., Meriden, Conn.
McNiece, Wm. & Son, 515 Cherry, Phila., Pa.

*Scrapers (Pipe Line)

PETROLEUM IRON WORKS CO. ("The Klein"), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)

Scrapers (Pot & Kettle)

Browne & Dowd Mfg. Co. ("Gem"), Meriden,
Buckeye Mfg. Co., Canton, O. Conn.
Christy Knife Co. ("Eclipse" Flexible), Fremont, O.
Kohler, F. E. & Co. (Flexible), Canton, O.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Stortz, John & Son, 210 Vine, Phila., Pa.

Scrapers (Road & Pavement)

Strain & Sanford Co. ("Barnard Castle"), 18 W 34th, New York

*Scrapers (Self-Filling)

LIDGERWOOD MFG. CO., 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Scrapers (Ship)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Mack & Co., Rochester, N. Y.
Stortz, John & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 Carroll av, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

Scrapers (Sidewalk)

(See also Cleaners, Pavement)
Jackson Shovel & Tool Co. (Steel), Montpelier, Ind.
Kohler, F. E. & Co. (Steel), Canton, O.
Maynard, C. A., Northampton, Mass.
Pittsburg Shovel Co., Pittsburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

Scrapers (Snow)

Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.

Scrapers (Stove)

Fanner Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Wire Goods Co. (For Stove Flues), Worcester, Mass.

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Scrapers (Wall)

Bonney Vise & Tool Works (Steel), Allentown, Pa.
Kohler, F. E. & Co., Canton, O.
Ontario Knife Co., Franklinville, N. Y.
Richard, Stephen Co. ("S. R."), Southbridge, Mass.
Stortz, John & Son, 210 Vine, Phila., Pa.
White, Ira F. & Son Co., Newark, N. J.

Scrapers (Wire)

Dicke, C. H. Tool Co. ("Perry"), Downers Grove, Ill.
Klein, Mathias & Sons, 87 W Van Buren, Chicago, Ill.
Sibley & Pitman ("Climax"), 26 Warren, New York

Screen Door Checks

Arcade Mfg. Co. ("The Warner"), Freeport, Ill.
Caldwell Mfg. Co. ("Caldwell & Dime"), Rochester, N. Y.
Sargent & Co. ("The No Slam"), New Haven, Conn.

*Screens (Bank Counter)

ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York, (See adv. index, end of book)
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of index of Contents)
JACKSON, WM. H. COMPANY (A Specialty), 29 E 17th (Union Sq.), New York & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
WINSLOW BROS. CO., Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Screens (Clay & Cement)

American Clay Working Machinery Co., Bucyrus, O.
Chambers Bros. Co. ("H. G. Virgin," "Elder & Dunlap") 52d, bel. Lancaster av., Philadelphia, Pa.
Cross Engineering Co., Carbondale, Pa.
Dunlap Mfg. Co., Bloomington, Ill.
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of index of Contents)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
Raymond, C. W. Co., Dayton, O.
Traylor Engineering Co., Allentown, Pa.

Screens (Coal)

(See Screens, Sand Coal & Gravel; also Screens, Revolving & Shaping)

Screens (Cylindrical)

Hendrick Mfg. Co., Carbondale, Pa.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Johnston & Chapman Co. ("John O'Laughlin's"), 1333 Carroll av, Chicago, Ill.

Screens (Disintegrating)

American Concentrator Co. ("New Century") Basic City, Va.

Screens (Door)

(See Screens, Window & Door)

Screens (Fire Place)

(See Fire Place Furnishings)

Screens for Water Works

Caldwell-Wilcox Co. (For Purifying Water), Newburgh, N. Y.

*Screens (Fly, Rustless)

BURROWES, E. T. CO., THE, 70 Free, Portland, Me. (See adv. index & branch offices, end of book)

Screens (Foundry)

Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of index of Contents)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Standard Sand & Machine Co. (Power or Hand) 5157 St. Clair, Cleveland, O.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

*Screens (Insect, Wire)

BURROWES, E. T. CO., THE, Portland, Me. (See adv. index & branch offices, end of book)

Screens (Mining)

Aitchison Perforating Co., 803 Dearborn, Chicago, Ill.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Concentrator Co. ("New Century" Disintegrating & "Henry" Classifying & Sizing), Joplin, Mo.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill.
Buffalo Wire Works Co., Buffalo, N. Y.
California Perforating Screen Co., 147 Beale, San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
Chalmers & Williams, Commercial Natl. B'k bldg, Chicago, Ill.
Clinton Wire Cloth Co., Clinton, Mass.
Colorado Iron Works Co., Denver, Col.
Connellsville Machine & Car Co., Connellsville
Cross Engineering Co., Carbondale, Pa. Pa
Danville Foundry & Machine Co., Danville, Ill.
Davis, F. M. Iron Works Co., 8th & Larimer, Denver Eng. Works Co., Denver, Col. Denver
Eagle Iron Works (Shaking, etc.), Terre Haute Ind
Earlington Iron Works (For Coal, etc.), Earlington, Ky
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
Fairmont Mining Machinery Co., Fairmont, W. Va.
HANKE IRON & WIRE WKS., 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Harrington & King Perforating Co., 224 N Union, Chicago, Ill.
Helmick Foundry & Machine Co., Fairmont W. Va
Hendrick Mfg. Co., Carbondale, Pa.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
JEFFREY MFG. CO., (For Coal, Ores, etc.), Columbus, O. (See adv. index & branch offices, end of book)
LANDON, E. R. IRON & WIRE Works, 18 N May, Chicago, Ill. (See adv. index, end of book)
Littleford Bros., 458 E Pearl, Cincinnati, O.
Lucas, A. & Sons (Coal Mine Shaking), Peoria Ill
Ludlow-Saylor Wire Co. (Double Crimped), St. Louis, Mo.
McFarlane Mfg. Co., Denver, Col.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mecklenburg Iron Works, Charlotte, N. C.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Mine & Smelter Supply Co., Blake & 11th, Denver, Colo
Morse Bros. Machinery & Supply Co. ("Wild Denver, Co
Mundt, Chas. & Sons, 441 Pearl, New York
Nelsonville Foundry & Machine Co. (Bar & Revolving), Nelsonville, O.
Niles Mine & Mill Supply Co., Niles, O.
Power & Mining Machinery Co., Cudahy, Wis
Prox, Frank Co., Terre Haute, Ind.
San Francisco Pioneer Screen Works, 221 1st, San Francisco, Cal.
Scottdale Foundry & Machine Co., Scottdale, Pa.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Traylor Engineering Co., Allentown, Pa.
Traylor, John A., 1634 Blake, Denver, Colo.
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Uric-Snyder Iron Works Co., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
West Pittston Screen Works (Wire Cut Screens), West Pittston, Pa.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Screens (Revolving Water)

Sandy Hill Iron & Brass Works, Sandy Hill, N. Y.

Screens (Revolving & Shaking)

Acme Road Machinery Co., Frankfort, N. Y.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Pulverizer Co. ("American" Revolving), St. Louis, Mo.
American Road Machine Co., Kennett Square, Pa.
BARTLETT, C. O. & SNOW CO. ("Triumph" Revolving for Slack Coal, etc.), French st, Cleveland, O. (See adv. index, end of book)
Bonnot Company (Clay Working), Canton, O.
CARLIN'S, THOS. SONS CO. (Revolving Only), 1610 River av., North Side Pittsburg, Pa. (See adv. index, end of book)
Chalmers & Williams (Revolving for Wet Sizing, etc.), Commercial Nat. B'k bldg., Chicago, Ill.
Cross Engineering Co., Carbondale, Pa.
Day, J. H. Co. (Sands, Clay, etc.), Cincinnati, Ohio
Eagle Iron Works, Terre Haute, Ind.
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
Exeter Machine Works, Pittston, Pa. book)
Haiss, Geo. Mfg. Co. (Revolving Only), 141st & Rider av, New York
Harrington & King Perforating Co., 224 N Union, Chicago, Ill.
Helmick Foundry & Machine Co., Fairmont, W. Va
Hendrick Mfg. Co. (Revolving Only), Carbondale, Pa.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
JEFFREY MFG. CO., (All kinds of Any Capacity), Columbus, O. (See adv. index & branch offices, end of book)
Krom Machine Works (Self-Cleaning Revolving), 170 B'way, New York; Works: Jersey City, N. J.
Link Belt Co., W 89th & Stewart av., Chicago, Ill., & 299 B'way, New York
Littleford Bros., 458 E Pearl, Cincinnati, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Mundt, Chas. & Sons, 441 Pearl, New York
Nelsonville Fdry. & Mach. Co., Nelsonville, O.

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O'Laughlin, John, Stone Co. (Revolving for Stone, Gravel, Sand, Coal, etc.), Racine, Pacific Tank Co., Los Angeles, Cal. Wis.
Prox, Frank Co., Terre Haute, Ind.
Sackett, H. B., Screen & Chute Co., 4220 State, Chicago, Ill.
San Francisco Pioneer Screen Works, 2221 1st, San Francisco, Cal.
Steele & Condict (Inc.) ("Condict," Roller Bearing Revolving), Jersey City, N. J.
Taylor Iron & Steel Co. (Revolving & Flat), High Bridge, N. J.
TYLER, W. S. CO. (Revolving Only), Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Union Iron Works Co., San Francisco, Cal.
Universal Road Machinery Co., 120 Liberty, New York
Vulcan Iron Works, Wilkes-Barre, Pa.
Wallace, Saml., White Haven, Pa.
Western Wheeled Scraper Co., Aurora, Ill.

Screens (Roller Window)

Brinton, C. F. Co., South Easton, Mass.
Roller Window Screen Co., Hillsdale, Mich.

*Screens (Rolling)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Screens (Safe Deposit)

(See Screens, Bank Counter)

Screens (Sand, Coal & Gravel)

Atchison Perforating Co., 303 Dearborn, Chicago, Ill.
Atlanta Wire & Iron Works Co., Atlanta, Ga.
Baum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Coker, S. G. & Son (Coal Only), Scranton, Pa.
CHELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
COLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Eclipse Wire Works Co., Buffalo, N. Y.
Erie, Wm. Excelsior Wire Mfg. Co., 43 Fulton, New York
Fernia Perforating Screen Co., Howard & Fremont, San Francisco, Cal.
Gendale Machine Co., Carbondale, Pa.
HAINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Hooper Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Howe Wire Cloth Co., Clinton, Mass.
Hudson Engineering Co., Carbondale, Pa.
HUEY, EDWARD & SONS CO., 239 Arch, Phila, Pa. (See adv. index, end of book)
Darlington Iron Works, Darlington, Ky.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Harrington & King Perforating Co., Chicago, Ill.
Helmick Foundry & Machine Co., Fairmont, W. Va.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
JEFFREY MFG. CO., ("Standard"), Columbus, O. (See adv. index & branch offices, end of book)
Littleford Bros., 453 E Pearl, Cincinnati, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Morss & Whyte Co., 75 Cornhill, Boston, Mass.
Mundt, Chas. & Sons, 441 Pearl, New York
Phillips Mine Supply Co., Pittsburg, Pa.
New Jersey Wire Cloth Co., Trenton, N. J.
Sackett Screen Co. (Steel Coal Screens Only), Fredonia, N. Y.
Schalkenbach & Budke, Jersey City, N. J.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Syracuse Wire Works, Syracuse, N. Y.
TAYLOR & DEAN, Penn av, & 25th, Pittsburg, Pa. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Union Steel Screen Co. (Ltd.), ("Union" Sand & Gravel), Albion, Mich.
Vulcan Iron Works, Wilkes-Barre, Pa.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
What Cheer Wire Works, Providence, R. I.
Wickwire Bros., Cortland, N. Y.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
WRIGHT WIRE CO. (Also Revolving), Worcester, Mass. (See adv. index & branch offices, end of book)

Screens (Steam Pipe Covering)

Tuttle & Bailey Mfg. Co. (Cast Brass, Bronze & Iron & Wrought Steel), 83 Beekman, New York

Screens (Stone)

(See Screens, Revolving & Shaking)

Screens (Suction)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Sandy Hill Iron & Brass Works ("Packers" Diaphragm for Paper Mills), Sandy Hill, N. Y.

*Screens (Vibrating)

JEFFREY MFG. CO., ("Jeffrey"), Columbus, O. (See adv. index & branch offices, end of book)

Screens (Well)

Johnson, E. E. ("Johnson"), St. Paul, Minn.
Layne & Bowler Co. (For Irrigation Wells), Houston, Tex.

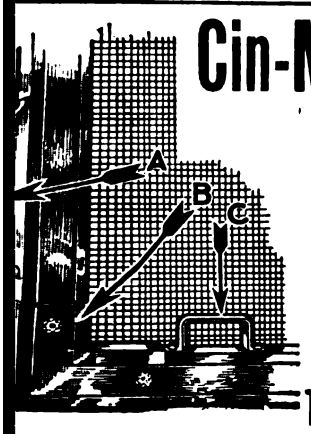
Screens (Window, Metal Frame)

American Screen Co., Brookline, Mass., & 95 Liberty, New York
Baker, W. J. Co., Newport, Ky.
CINCINNATI MFG. CO., ("Cin-Man-Co."), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Continental Co. (Wholesale Mfrs.), Detroit, Mich.
Higgin Mfg. Co., Newport, Ky.
Metal Screen & Mfg. Co., St. Paul, Minn.
Metallic Screen Co. (Adjustable), Collins, Wis.
Snow, Fred O. & Co., 17 Milk, Boston, Mass.
Standard Stamping Co. ("Armstrong"), (Made to Order Only), 2000 N B'way, St. Louis, Mo.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Watson Mfg. Co., Jamestown, N. Y.

Screens (Window & Door)

(Wholesale Manufacturers are so Indicated Between their Name & Address)

American Screen Co. (Wholesale Mfrs.), Brookline, Mass.
American Window Screen Co., Ionic c S American, Phila., Pa.
Baker, W. J. Co. (Metal Frame), Newport, Ky.
Bostwick-Godell Co., Norwalk, O.
Burlington Venetian Blind Co., Burlington, Vt.
BURROWES, E. T. CO., THE (Mfrs., also Wire Insect Screens, Rustless), 70 Free, Portland, Me. (See adv. index & branch offices, end of book)
Cincinnati Fly Screen Co., Cincinnati, Ohio
CINCINNATI MFG. CO., (Metal, to Order Only), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Sash & Door Co., Minneapolis, Minn.
Continental Co. (Metal & Wood, Wholesale Mfrs.), Detroit, Mich.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dallas Screen Co., Dallas, Tex.
DeWitt Wire Cloth Co., 631 Market, Philadelphia, Pa.
Fish, A. E. & Co., Keene, N. H.
Fuller & Rice Lumber & Mfg. Co. (Wholesale), Grand Rapids, Mich.
Grand Rapids Screen Co., Grand Rapids, Mich.
Higgin Mfg. Co. (Metal Frame), Newport, Ky.
Hipolito Screen & Sash Co., Los Angeles, Cal.
Huebner Screen Door Co., Farnsworth av & Dequindre, Detroit, Mich.



Cin-Man-Co REWIRABLE METAL FRAME FLY SCREENS

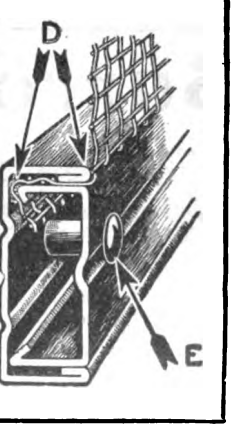
Are strong, durable and ornamental. Will not rot, warp, shrink or swell. Work easy in wet or dry weather; easily taken apart and rewired. Made sliding or hinged and in any mesh, size or shape desired—basket, circle, segment top, bow or bull's-eye.

Cut to right shows frame construction and method of securing wire cloth, held by rounded corners, forming a perfect water shed. Open rivets are easily removed for rewiring. Cinmanco Bronze wire cloth (90 per cent. copper) is rustless in any climate.

Cut to left shows reinforced corners, stationary bronze lift, always out of the way. Frame is equipped with durable detachable spring for holding screen in place.

We make to order window, door or porch screens for the home, office, club or public buildings. Write to-day for catalog and estimate on your work.

(ORNAMENTAL IRON AND BRONZE)



The Cincinnati Mfg. Co. 1260 W. Sixth Street, Cincinnati, O.

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Introstyle & Novelty Co., Marietta, O.
Kane Blind & Screen Co., Kane, Pa.
Maclaren & Sprague Lumber Co. (Wholesale), Toledo, O.
McMillan, R. Co (Wholesale), Oshkosh, Wis.
Menke-Grimm Planing Mill Co., Quincy, Ill.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Monroe Screen, Blind & Partition Co., Lima, O
Morgan Co., Factory & General Offices: Oshkosh, Wis.
Owosso Mfg. Co. (Adjustable Frames) (Wholesale Mfrs.), Owosso, Mich.
Penna. Woven Wire Co., Lock Haven, Pa.
Phenix Mfg. Co. (Also Swinging Half, Sliding, etc., Wholesale Mfrs.), Humboldt av cor Centre, Milwaukee, Wis.
Philadelphia Screen Mfg. Co. (Wholesale Mfrs.), Paschall av & 56th, Phila., Pa.
Phillips, A. J. Co. (Made to Order), Fenton, Mich
Porter Screen Mfg. Co. (Wholesale Mfrs.), Trenton, N. J., & Winooski, Vt.
Purinton, C. F. Co. ("Roll-a-way"), South Easton, Mass.
Riggs Cypress Co. (Wholesale Mfrs.), Patterson, La.
Roach & Musser, Sash & Door Co. (Wholesale Mfrs.), Muscatine, Iowa.
Robbins Mfg. Co., 968 N. Central av, Chicago, Ill.
Roebuck Weather Strip & Wire Screen Co., 419 Hamilton av, Brooklyn, N. Y.
Schumacher, F. E. Co., Hartville, O.
Snow, Fred O. & Co., 17 Milk, Boston, Mass.
Solmson, M. Flyn Screen Co. (Rustless), cor Bayard & Nanticoke, Baltimore, Md.
Standard Stamping Co. ("Armstrong"), Marysville, O.
Sunset Door & Sash Co. (Wholesale Mfrs.), Stockton, Cal.
TAYLOR & DEAN (Made to Order). Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Wabash Screen Door Co., 115 Adams, Chicago, Ill.
Watson Mfg. Co. (To Order Only, All Metal, also Wood), Jamestown, N. Y.
Wheeler Screen Co., Geneva, Ill.
Willer Mfg. Co. (To Order Only), Milwaukee, Wis.
WILSON, JAS. G. MFG. CO., Chief Office 3 West 29th, New York. Mills & Factory, Norfolk, Va. (See adv. index, end of book)

*Screens (Wire, Rustless)

BURROWES, E. T. CO., THE (Rustless), 70 Free, Portland, Me. (See adv. index & branch offices, end of book)
CINCINNATI MFG. CO., (Metal Frame), 1243 W 6th, Cincinnati, O. (See adv. index, end of book)

Screw Chasers

Polk, A. J. & Son, (Lathe Screw Cutting, etc.), Millersburg, Pa.

Screw Driver Mfrs.

Arcade Mfg. Co. ("Serpentine," "Arcade" & "Combination"), Freeport, Ill.
BERNZ, OTTO, S 13th, cor S. Orange av, Newark, N. J. (See adv. index, end of book)
Billings & Spencer Co. ("B. & S." Magazine Combination Knife & Screw Driver, etc.), Hartford, Conn.
Braunsdorf-Mueller Co. ("Never Twist," "New Century" & "Improved Locksmith"), Elizabeth, N. J.
Bridgeport Hdwe. Mfg. Co., 481 Iranistan av Bridgeport, Conn.
Brown, R. H. & Co. ("Clark's"), New Haven, Conn.
Browne & Dowd Mfg. Co. ("I. L."), Meriden, Conn.
Buffalo Specialty Co. (Leather Handle), Buffalo, N. Y.
Burgess-Norton Mfg. Co. ("Bur-Nor" Folding), Geneva, Ill.
Cassady-Fairbank Mfg. Co. ("Cassady," "Premier," "Columbia" & "No. 100 & 200"), 6106 La Salle, Chicago, Ill.
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
Clement Mfg. Co. ("Vulcan" Hollow Handle), Northampton, Mass.
Crescent Tool Co., Jamestown, N. Y.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Dicke Tool Co. (For Electrical & Machinery Work), Downers Grove, Ill
Disston, Henry & Sons (Inc.), Phila., Pa.
Ducharmes & Co., Shelbune Falls, Mass.
Elmore Tool Mfg. Co. ("Elmore" Square Shank), Hartford, Conn
Gay, Geo. E. ("Gay" & "Union" Double Acting Ratchet, Screw Driver & Drill Combined, "Gay's" Ratchet Spiral Rigid Screw Driver & Drill), Augusta, Me.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Props.), 157 Chambers, New York. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), (In great Variety), Newark, N. J.
Kendrick & Davis (Small), Lebanon, N. H.
Kimball, C. J. Co., Bennington, N. H.
Knapp & Cowles Mfg. Co., Bridgeport, Conn
Mayhew, H. H. Co., Shelburne Falls, Mass.
Meriden Mfg. Co. ("Fairchild" Self Adjustable), Meriden, Conn.
Miller's Falls Co. (Ratchet, Duplex & Automatic, In & Out), 28 Warren, New York. Works: Miller's Falls, Mass.
Mueller, H. Mfg. Co., Decatur, Ill.
New England Specialty Co., N. Easton, Mass.
NIAGARA HANDLE & FERRULE CO., 321 Holliday, Baltimore, Md. (See adv. index, end of book)
North Bros. Mfg. Co. ("Yankee" Ratchet & Pocket Magazine, etc.), Lehigh av c American, Phila., Pa.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Rehm Hardware Co. (Pocket), 352 Blue Island av, Chicago, Ill.
Reid, A. H. Creamery & Dairy Supply Co. ("Reid" Automatic), 69th & Haverford, Phila., Pa.
Russell & Erwin Mfg. Co. ("The Swan"), New Britain, Conn., & 196 Lafayette, New York
S. & I. Co. ("S. & I. Never Break"), Springfield, Mass.
Sawyer Tool Mfg. Co. ("Samson"), Fitchburg, Mass.
Smith, H. D. & Co. ("Perfect Handle," Drop Forged), Plantsville, Conn.
Smith, J. Barton Co., Norris & Hope, Phila., Pa.
Smith & Hemenway Co., 106 Duane, New York
Spell Mfg. Co., Fiskdale, Mass.
STARRETT, L. S. CO., (Pocket Jewelers, etc.), Athol, Mass. (See adv. index & branch offices, end of book)
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Swan, Jas. Co., Seymour, Conn.
Swift-Waters Mfg. Co. (Interchangeable), Kensington, Conn.
Syracuse Twist Drill Co. (Knurl Tool Makers), Syracuse, N. Y.
Tower & Lyon Co. ("Champion"), 96 Chambers New York
Tuck Mfg. Co., Brockton, Mass.
Turner & Deegan, Bristol, Conn.
Union Mfg. Co., Buffalo, N. Y.
United Awl & Needle Co., Boston, Mass.
Vanderbeck Tool Works (Combination), Hartford, Conn
Vaughn, Chas. A., Seltzland, Pa.
Waltham Watch Tool Co., Springfield, Mass.
WHITMAN & BARNES MFG. CO. "(Hercules," all Steel), Chicago, Ill. (See adv. index & branch offices, end of book)
Wiebusch & Hilger ("Fairchild Adjustable"), 106 Lafayette, New York

Screw Driver & Corkscrew (Combined)

Browne & Dowd Mfg. Co., Meriden, Conn.

Screw Drivers (Automatic)

Goodell-Pratt Co. (Also Ratchet Automatic Bench Drill), Greenfield, Mass.
Miller's Falls Co., 28 Warren, New York. Works: Miller's Falls, Mass.
Reid, A. H. Creamery & Dairy Supply Co. ("Reid"), 69th & Haverford, Phila., Pa.
Reynolds Machine Co. (For Shops Having a Large Number of Screws to Set), Rock Island, Ill.
Swan, James Co., Seymour, Conn.

Screw Drivers (Electricians')

(See Screw Drivers, Insulated Handle & Ratchet)

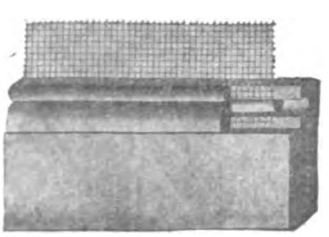
*Screw Drivers (Flexible Shaft)

COATES CLIPPER MFG. CO. ("Coates"), Worcester, Mass. (See adv. index, end of book)

Screw Drivers (Insulated Handle & Rachet)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffalo Specialty Co. (Leather), Buffalo, N. Y.
Cincinnati Tool Co. ("Hargraves"), Cincinnati, Ohio
Disston, H. & Sons (Inc.), Tacony, Phila., Pa.
Ducharmes & Co., Shelbourne Falls, Mass.
Gould, Jno. D. ("Up-to-Date"), 100 William, New York
Johns, H. W.-Manville Co. (Insulated Handles), 100 William, New York
Stortz, Jno. & Son (Plain, Rosewood & Cocobola Handles), 212 Vine, Phila., Pa
Swan, James Co., Seymour, Conn.

Burrowes Rustless Screens



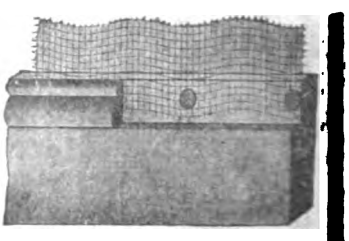
Burrowes Lock-Strip holds every strand

MADE ONLY TO ORDER

For good houses, office buildings, hotels, hospitals, etc. Burrowes Lockstrip method of wiring prevents netting from sagging, or pulling out (compare illustrations). Strongest corner construction known. Screens sent on trial. Fit guaranteed. We pay the freight.

For details and free estimate write

THE E. T. BURROWES CO.
PORTLAND, MAINE, U. S. A.



Tacks hold only two strands out of twenty

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*Screw Drivers (Jewelers')

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Screw Drivers (Railroad Spike)

Washburn Shops of the Polytechnic Institute, Worcester, Mass.

Screw Eyes

American Iron & Steel Mfg. Co., Lebanon, Pa.
Brewer Bros. (Wrought), 614 Filbert, Phila., Pa.
Brooks, M. S. & Sons (Brass & Iron Wire) Chester, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Jenckes, E. Mfg. Co. (Brass & Bright Wire), Pawtucket, R. I.
Kansas City Bolt & Nut Co. (1¼-in. dia. to 1¾), Kansas City, Mo.
Landers, Frary & Clark, New Britain, Conn.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
North & Judd Mfg. Co. (Loop, etc.), New Britain, Conn.
Sargent & Co., New Haven, Conn. & 94 Center, New York
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Wilcox, Crittenden & Co., Middletown, Conn.
Wire Specialty Co., 43 Fulton, Chicago, Ill.
Wire Goods Co. (Bright Wire & Brass Wire), Worcester, Mass.

*Screw Driver & Holder

STARRETT, L. S. CO. (Opticians'), Athol, Mass. (See adv. index & branch offices, end of book)

Screw Jacks

(See Jacks, Screw)

Screw Machine Products

Acorn Brass Mfg. Co., 208 Fulton, Chicago, Ill.
Anthony Screw Co., Worcester, Mass.
Atlantic Machine Screw Co., Boston, Mass.
Barnes, Wallace Co., Bristol, Conn.
Bowen Mfg. Co. (All Kinds in Brass & Steel), Auburn, N. Y.
Clark Novelty Co., Rochester, N. Y.
Crescent Tool Co., Jamestown, N. Y.
Delaware Marine Supply Mfg. Co., Wilmington, Del
Eclipse Machine Co., Elmira, N. Y.
Globe Machine & Stamping Co., Cleveland, O.
Grant Mfg. & Machine Co., Bridgeport, Conn.
Hanson Bros., Plainville, Conn.
Hartford Machine Screw Co. (From All Metals), Hartford, Conn.
International Brass & Electric Co., 76 Beekman, New York
KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)
Manhattan Screw & Stamping Works, West End av & 67th, New York
Mossberg, Frank Co., Attleboro, Mass.
NATIONAL ACME MFG. CO., 75 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
New Haven Machine Screw Co., New Haven, Conn.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
Parham & Lawser, 712 Cherry, Phila., Pa.
Perry-Fay Mfg. Co. (Of All Kinds), Elyria, O.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan Phila., Pa. (See adv. index, end of book)
Progressive Mfg. Co. (Steel, Brass & Copper, Studs, Screws, Rivets, Threaded Wire, etc., to Order Only), Torrington, Conn.
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Reed & Prince Mfg. Co., Worcester, Mass.
Risser Mfg. Co. (Screw Machine Work), 301 W Lake, Chicago, Ill.
Screw Machine Products Co. (Brass or Steel), Providence, R. I.
Smith, F. H. Mfg. Co. (Special to Order), 52 St. John ct, Chicago, Ill.
Wells, F. E. & Son Co., Greenfield, Mass.

Screw Machinery

(See Screw Cutting Machines; Screw Polishing Machines; Screw Shaving Machines; Screw Slotting Machines; Screw Thread Rolling Machines)

Screw Mfrs.

(Under this Heading see Sub-classifications)

American Iron & Steel Mfg. Co., Lebanon, Pa.
American Screw Co. (Brass, Bronze, Copper & Iron), Providence, R. I.
Anthony Screw Co., Worcester, Mass.
Atlantic Screw Works, Hartford, Conn.
ATLAS BOLT & SCREW CO., THE, Marquette opp Hamilton av, N E, Cleveland, O. (See adv. index, end of book)
Blake & Johnson Co., Waterbury, Conn.
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Chapin-Stephens Co., Pine Meadow, Conn.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Clark Bros. Bolt Co., Millidale, Conn.
Colorado Fuel & Iron Co., Denver, Col.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works 22d & Union, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, Detroit, Mich. (See adv. index, end of book)
Eastern Bolt & Nut Co., Providence, R. I.
Equipoise Rivet Co., Waterbury, Conn.
Ferry Cap & Set Screw Co. (Steel & Brass), 2151 Scranton rd, Cleveland, O.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Greenlie, Wyatt & Co., 499 Water, New York
Hall's Samuel Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Hope, Wm. H. & Co. (Milled, etc.), Lowell, Mass.
Hubbell, Harvey, Bridgeport, Conn.
Humason & Beckley Mfg. Co., New Britain, Conn.
Kansas City Bolt & Nut Co., Kansas City, Mo.
KEIM, JNO. R. MILLS, (Inc.), Buffalo, N. Y. (See adv. index, end of book)
Kirk-Latty Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Miles, Franklin S. (Est. of), 205 Quarry, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
NATIONAL - ACME MFG. CO., 7500 Stanton av, S E, Cleveland O. (See adv. index & branch offices, end of book)
National Bolt & Nut Co., Pittsburg, Pa.
National Screw & Tack Co., Cleveland, O.
Niagara Screw Co., 7 W. Lombard, Buffalo, N. Y.
Ohio Nut & Bolt Co., Berea, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Perry-Fay Mfg. Co., Elyria, O.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Mfg. Co., Pittsburg, Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Progressive Mfg. Co., Torrington, Conn.
Quadriga Mfg. Co., 18 S Canal, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reeves Mfg. Co. (Brass Machine, etc.), New Haven, Conn.
Republic Iron & Steel Co., Pittsburg, Pa.
Reynolds & Co., New Haven, Conn.
Richards, F. C. Hdw. Co., Winsted, Conn.
Rochester Machine Screw Co., Rochester, N. Y.
Rogers Screw Co., Providence, R. I.
Russell, Burdsell & Ward Bolt & Nut Co., Port Chester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.
St. Louis Screw Co., St. Louis, Mo.
Smith, F. H. Mfg. Co. (Special to Order), 52 St. John ct, Chicago, Ill.
Southington Cutlery Co., Southington, Conn.
Springfield Brass Co., Springfield, Mass.
Standard Screw Co., 6 Madison, Chicago, Ill.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner, John D., 542 B'way, Lowell, Mass.
Waltham Screw Co., Waltham, Mass.
Waterbury Mfg. Co., Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, O.
Wire Goods Co., 20 Union, Worcester, Mass.
Worcester Machine Screw Co., Worcester, Mass.
Young Bros., Forestville, Conn.

Screw Plates

(See also Stocks & Dies)

AMERICAN TAP & DIE CO. ("Adamantine"), Greenfield, Mass. (See adv. index, end of book)
Billings & Spencer Co. ("Standard," "Billings" Drop Forged), Hartford, Conn.
Boker, Hermann & Co., 101 Duane, New York.
Brubaker, W. L. & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby," "Reece's New"), Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co. ("Carpenter's"), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
Conant & Donelson Co. ("Little David"), Greenfield, Mass.
Eastwood Wire Mfg. Co. (Rolled Brass), Belleville, N. J.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Holroyd & Co. ("Holroyd"), Waterford, N. Y.
MORSE TWIST DRILL & MACHINE CO. ("No. 1, A, B, C, D & E"), New Bedford, Mass. (See adv. index, end of book)
Oster Mfg. Co., Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk, A. J. & Son ("Common Sense"), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reese, E. F. Co. ("Reese" & "Hercules," Full Mounted), Greenfield, Mass.
SMART, A. J. MFG. CO., ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Superior Tap Co., Springfield, Vt.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Lightning," "Green River," Style X), Greenfield, Mass.

*Screw Plates (Automobile)

WELLS BROS. CO., ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Screw Tops (Bottle)

Wheeling Stamping Co., Wheeling, W. Va.

Screws (Bed)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Shelton Co., Shelton, Conn.

Screws (Bench)

(See Screws, Hand)

Screws (Bibb)

Steele & Johnson Mfg. Co., Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Bicycle)

ATLAS BOLT & SCREW CO., THE, Marquette opp Hamilton av, N E, Cleveland, O.
Chicago Screw Co. (Iron or Brass), 519 Homan av, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
National Screw & Tack Co., Cleveland, O.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E, Cleveland, O. (See adv. index & branch offices, end of book)
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., 600 E Clarence av, St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Brass, Copper & Bronze)

American Pin Co. (Brass Only), Waterbury, Conn.
American Screw Co., Providence, R. I.
Blake & Johnson Co., Waterbury, Conn.
Bridgeport Brass Co. (To Order Only), Bridgeport, Conn.
Columbia Screw Co. (Gimlet Pointed), 106th & Cottage Grove av, Chicago, Ill.
DETROIT SCREW WORKS, Detroit, Mich. (See adv. index, end of book)
Gaynor & Mitchell Mfg. Co. (Brass for Steam, Gas & Water Fittings), Bridgeport, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hubbell, Harvey, Bridgeport, Conn.
HUNGERFORD, U. T. BRASS & COPper Co. (All Kinds), 497 Pearl, New York

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MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
NATIONAL-ACME MFG. CO. (Brass Only), 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Screw & Tack Co. (Brass Only), Cleveland, O.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Reading Hardware Co., Reading, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co. (Brass Only), Waterbury, Conn.
Welch, T. F. & Co., 55 Sudbury, Boston, Mass.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Brass Machine)

American Screw Co., Providence, R. I.
Anthony Screw Co., Worcester, Mass.
ATLAS BOLT & SCREW CO., THE, Marquette opp Hamilton av, N E, Cleveland, O.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
HUNGERFORD, U. T. BRASS & COP- per Co., 497 Pearl, New York
Miles, Franklin S. (Est. of), 205 Quarry, Phila., Pa.
Mount Carmel Bolt Co., Mount Carmel, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E. Cleveland, O. (See adv. index & branch offices, end of book)
National Screw & Tack Co., Cleveland, O.
Parham & Lawser, 712 Cherry, Phila., Pa.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Progressive Mfg. Co., Torrington, Conn.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reeves Mfg. Co., New Haven, Conn.
Reynolds & Co., New Haven, Conn.
St. Louis Screw Co., St. Louis, Mo.
Standard Screw Co., 6 Madison, Chicago, Ill.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Young Bros., Forestville, Conn.

*Screws (Brass & Iron Machine)

DETROIT SCREW WORKS, 345 Franklin, Detroit, Mich. (See adv. index, end of book)

Screws (Building Movers')

Boston Bolt Co., 284 Franklin, Boston, Mass.
New London Vise Works, New London, Conn.

Screws (Can)

Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

Screws (Cap & Set)

American Bolt Co., Lowell, Mass.
Anthony Screw Co., Worcester, Mass.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co. (Iron & Steel), 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Corbin Screw Corporation (Also knurled Set etc.), New Britain, Conn.
DETROIT SCREW WORKS, 345 Franklin, Detroit, Mich. (See adv. index, end of book)
Eastern Bolt & Nut Co., Providence, R. I.
Electric Welding Products Co., Cleveland, O.
Ferry Cap & Set Screw Co. (Steel & Brass), 2151 Scranton rd, Cleveland, O.
Greenlie, Wyatt & Co., 499 Water, New York
Hall's, Samuel Sons (Milled), 229 W. 10th, New York
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co. (Oval, Flat, Counter Sunk, Square, Hexagon, Button & French Head), Pawtucket, R. I
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Hope, Wm. H. & Co., Lowell, Mass.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co. (Set), Cleveland, O.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E. Cleveland, O. (See adv. index & branch offices, end of book)
Niagara Screw Co., Buffalo, N. Y.
Payne's Bolt Works, San Francisco, Cal.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penn Hardware Co., Reading, Pa.
Penna. Shafting Co., Spring City, Pa.
Perry-Fay Mfg. Co., Elyria, O.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Reynolds & Co. (Square, Round & Hex Head), New Haven, Conn.
Rochester Machine Screw Co., Rochester, N. Y.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsell & Ward Bolt & Nut Co., Portchester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Upson Nut Co., Unionville, Conn., & Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Mach. Screw Co., Worcester, Mass.
Young Bros., Forrestville, Conn.

Screws (Coach & Lag)

(See also Screw Manufacturers, Wood)
American Iron & Steel Mfg. Co., Lebanon, Pa.
Boston Bolt Co., Boston, Mass.
Buffalo Bolt Co., Buffalo, N. Y.
Central City Bolt Co., Syracuse, N. Y.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Clark Bros Bolt Co., Millidale, Conn.
Colorado Fuel & Iron Co., Denver, Col.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Cooke, Asa Co., Hartford, Conn.
Corbin Screw Corporation (Gimlet-Pointed, etc.), New Britain, Conn.
Dietrich Bros., 344 North, Baltimore, Md.
Graham Nut Co., Pittsburg, Pa.
Greenlie, Wyatt & Co., 499 Water, New York
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hall's, Samuel Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co. (Gimlet Pointed) Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Phila
Hubbard & Co., Pittsburg, Pa. delphia, Pa.
Kansas City Bolt & Nut Co. (Coach), Kansas City, Mo.
Lake Erie Iron Co. (Also Gimlet Pointed Coach), Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Lanz, M. & Sons (Cone & Gimlet Pointed Lag), Carson & 20th, Pittsburg, Pa.
McCABE HANGER MFG. CO., 425 W. 25th, New York. (See adv. index, end of book)
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Screw & Tack Co., Cleveland, O.
National Supply Co. (Coach Gimlet Point), 7 W. Lombard, Baltimore, Md.
Neely Nut & Bolt Co. (Lag), Pittsburg, Pa.
New Castle Forge & Bolt Co., New Castle, Pa.
Oliver Iron & Steel Co. (Gimlet Pointed, etc.) Pittsburg, Pa
Parker, Chas. Co., Meriden, Conn.
Pawtucket Mfg. Co. (Gimlet Point), Pawtucket R. I.
Pittsburg Mfg. Co., 28th & R. R., Pittsburg, Pa.
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co. (Gimlet Pointed), Frick bldg. Annex, Pittsburg, Pa.
Reynolds & Co., New Haven, Conn.
Rhode Island Tool Co. (Gimlet Pointed), Providence, R. I.
Scranton Bolt & Nut Co., Scranton, Pa.
St. Louis Screw Co., St. Louis, Mo.
Shelton Co., Derby, Conn.
Upson Nut Co., Cleveland, O.
Scranton Bolt & Nut Co., Scranton, Pa.

Screws (Collar)

Anthony Screw Co., Worcester, Mass.
ATLAS BOLT & SCREW CO., THE Marquette opp Hamilton av, N E, Cleveland, O.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Columbia Screw Co. (Gimlet Pointed), 106th & Cottage Grove av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland O. (See adv. index & branch offices, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
PHILADELPHIA MACHINE SCREW Works (Also for Electrical Trade), Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Mach. Screw Co., Worcester, Mass.

Screws (Dowel)

(See Screws, Wood)

Screws (Drive)

(See Screws, Wood)



DETROIT SCREW WORKS

MANUFACTURERS OF

SET, CAP and MACHINE SCREWS, TAPER PINS,
COUPLING BOLTS, STUDS, NUTS, Etc.

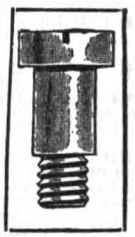
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AUTOMOBILE, ENGINE AND MACHINERY PARTS,
HARDENED AND GROUND WORK A SPECIALTY.

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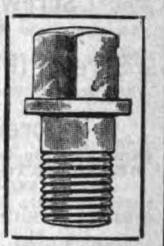
Philadelphia Machine Screw Works,

Race and Sheridan Sts., Philadelphia.

MANUFACTURERS OF

SPECIAL : MACHINE : SCREWS

AND ALL KINDS OF SCREW MACHINE PRODUCTS



*Screws (Feed)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)

Screws for Electrical Trade

American Pin Co., Waterbury, Conn.
DETROIT SCREW WORKS (Collar, etc.), 348 Franklin, Detroit, Mich. (See adv. index, end of book)
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E, Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works (Collar, etc.), Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Western Automatic Mach. Screw Co., Elyria, O.

Screws (German Silver)

Blake & Johnson Co., Waterbury, Conn.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E, Cleveland, O. (See adv. index & branch offices, end of book)
Parham & Lawser, 712 Cherry, Phila., Pa.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)

Screws (Gib)

DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hartford Machine Screw Co., Hartford, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S. E, Cleveland, O. (See adv. index & branch offices, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Reynolds & Co., New Haven, Conn.
St. Louis Screw Co., St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.
Yale & Towne Mfg. Co., Stamford, Conn.

Screws (Hand Rail)

Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Pargent & Co., New Haven, Conn., & 94 Center, New York
Wire Goods Co., Worcester, Mass.

Screws (Hand Saw)

Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pargent & Co., New Haven, Conn., & 94 Center, New York

Screws (Hand)

Bench, Wm. K. Co., Lowell, Mass.
Chas. R. Mfg. Co., Pawtucket, R. I.
Chapman Specialty Co. (Wood Hand), Manchester, N. H.
Coe-Brown-Stephens Co., Pine Meadow, Conn.
Chicago Screw Co. (Improved "Reno" Wrought Iron Screws with Metal Bearing), 519 Homan av, Chicago, Ill.
DETROIT SCREW WORKS (Iron with Metal Bearings), 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index end of book)
Hardware & Woodenware Mfg. Co., 693 B'way, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Judson Mfg. Co. (Brush Makers'), E. Arlington, Vt.
New London Vise Works, New London, Conn.
Ohio Tool Co. (Iron & Wood), Columbus, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Sandusky Tool Co. (Wood), Sandusky, O.
TAYLOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Screws (Hanger)

American Iron & Steel Mfg Co., Lebanon, Pa.
Columbia Screw Co. (Gimlet Pointed), 106th & Cottage Grove av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Kansas City Bolt Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., Cleveland, Ohio
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Screw & Tack Co., Cleveland, O.
National Supply Co., Baltimore, Md.
Old Dominion Iron & Nail Works Co., Richmond
Pawtucket Mfg. Co., Pawtucket, R. I. Va
Republic Iron & Steel Co., Pittsburg, Pa.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Headless)

(See Screws, Wood)

Screws (Hook & Eye)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.

Screws (House Raising)

(See Screws, Building Movers')

Screws (Jack)

(See also Jacks, Screw; also Jacks, Ratchet)
American Skein & Foundry Co., Racine, Wis.
Barber Mfg. Co., Ashtabula, O.
Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.
Miller's Falls Co., 28 Warren, New York Works: Miller's Falls, Mass
STARRETT, L. S. CO. ("Little Giant"), Athol, Mass. (See adv. index & branch offices, end of book)
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett, A. L. Iron Works (Ratchet, etc.), Medina, N. Y
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

Screws (Jack, Cable Reel)

Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.

Screws (Lag)

(See Screws, Coach & Lag)

*Screws (Lead)

STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)

Screws (Lock Cap)

Reed & Prince Mfg. Co., Worcester, Mass.

Screws (Machine)

American Screw Co., Providence, R. I.
Anthony Screw Co. (Milled), Worcester, Mass.
Atlantic Screw Works (David Tilton), Hartford, Conn.
ATLAS BOLT & SCREW CO., THE, Marquette opp Hamilton av, N E, Cleveland, O.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Chicago Screw Co. (Iron & Brass), 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Cleveland Machine & Screw Co., Cleveland, O.
Columbia Screw Co., 106th & Cottage Grove av, Chicago, Ill.
Corbin Screw Corporation (Brass or Iron), New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Draper Co., Hopedale, Mass.
Ferry Cap & Set Screw Co. (Steel & Brass), 2151 Scranton rd, Cleveland, O.
Hall's, Sam'l Sons, 220 W 10th, New York
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hill, Geo. Q. Co., 326A, Boston, Mass.
Hoopes & Townsend Co. 1330 Buttonwood, Philadelphia, Pa.
Hope, Wm. H. & Co. (Milled), Lowell, Mass.
Hubbel, Harvey (Inc.), Bridgeport, Conn.
Kirk-Latty Mfg. Co., Cleveland, O.
Miles, Franklin S. (Est. of) (Brass & Iron), 205 Quarry, Phila., Pa.
Mount Carmel Bolt Co., Mount Carmel, Conn.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
National Screw & Tack Co., Cleveland, O.
New Haven Machine Screw Co., New Haven, Conn.
Ohio Nut & Bolt Co., Berea, O.
Parham & Lawser, 712 Cherry, Phila., Pa.
PHILADELPHIA MACHINE SCREW Works (All Kinds of Special), Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Progressive Mfg. Co., Torrington, Conn.
Reading Screw Co. (Brass & Iron), Norristown, Pa.
Reed & Curtis Machine Screw Co., Worcester, Mass.
Reed & Prince Mfg. Co. (Brass & Iron), Worcester, Mass.
Reynolds & Co., New Haven, Conn.
Rochester Machine Screw Co., Rochester, N. Y.
Russell & Erwin Mfg Co., New Britain, Conn.
St. Louis Screw Co., St. Louis, Mo.
Smith Machine Screw Co., Northampton, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner, Jno. D., Lowell, Mass.
Wells, F. E. & Son Co. (Special), Greenfield, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Machine Screw Co., Worcester, Mass.
Young Bros. (From Sample Only), Forestville, Conn.

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Screws (Ore Washer)

American Iron & Steel Co., Lebanon, Pa.

Screws (Plated & Lacquered)

(See Screws, Wood; also Screws, Brass, Etc.)

Screws (Plumbers')

American Pin Co., Waterbury, Conn.
BERNZ, OTTO (Closet, etc.), S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Columbia Screw Co., 16th & Cottage Grove av, Chicago, Ill.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
New England Screw Co., Boston, Mass.
Sanitary Co. (Brass), Cleveland, O.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Wolverine Brass Works (Closet, etc.), Grand Rapids, Mich.

Screws (Power, Lead & Feed)

Screw Cutting Co. of America (Any Length, Diameter & Pitch), 17th & Sedgley av, Phila., Pa.

Screws (Press)

American Skein & Foundry Co. (For Pressing Cider, Tobacco, Cheese, etc.), Racine, Wis.
Illinois Iron & Bolt Co. (For Pressing Cider Tobacco, Cheese, etc.), Carpentersville, Ill.

Screws (Rail)

Humason & Beckley Mfg. Co., New Britain, Conn.

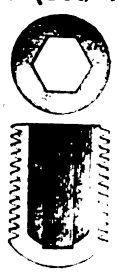
Screws (Saw)

Disston, H. & Sons (Inc.), Tacony, Phila., Pa.
National Saw Co., Newark, N. J., & Middletown, N. Y.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Simonds Mfg. Co., Fitchburg, Mass.

Screws (Set)

(See Screws, Cap & Set)

Screws (Set, Hollow)



HAMMACHER, SCHLEMMER & CO. Controlling Agents, 4th av & 13th, New York

AGENTS.

Cal...Oakland.....Ingram Hardware Co.
Colo..Denver.....Scott Supply & Tool Co.
Ga....Atlanta.....Alexander, J. M. & Co.
Ill....Chicago.....Harris, Samuel & Co.
Ind...Indianapolis..Vonnegut Hardware Co.
Ia....Muscatine...Barry Mfg. Co.
Md...Baltimore....Adt, John B.
Mass.Boston.....Chase, Parker & Co.
Mich..Detroit.....Strelinger, Chas. A. Co.
Mo...St. Louis....St. Louis Machinists Supply Co.
N. Y..Albany.....Albany Hardware & Iron Co.
N. Y..Rochester....Ernst, Louis & Sons
N. Y..Syracuse....Syracuse Supply Co.
N. C..Charlotte....Textile Mill Supply Co.
Ohio..Cincinnati...Boebinger Hardware Co.
Ohio..Cleveland....Strong, Carlisle & Hammond Co.
Pa....Phila.....Maddock & Co.
Pa....Pittsburg....Somers, Fitler & Todd Co.
S. C..Anderson....Sullivan Hardware Co.
Wash.Seattle.....Whiton Hardware Co.
W.Va.Huntington..Banks Supply Co.
Wis...Milwaukee...Packard, O. L., Machinery Co
Can..Ont..Toronto..Aikenhead Hardware Co.

Screws (Shutter)

Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

Screws (Side Knob)

Reed & Prince Mfg. Co., Worcester, Mass.

Screws (Skein)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W. Lombard, Baltimore, Md.
Republic Iron & Steel Co., Pittsburg, Pa.

Screws (Stage)

Brewer Bros. (Steel), 614 Filbert, Phila., Pa.
Stortz, John & Son, 210 Vine, Phila., Pa.

Screws (Stud)

Chicago Screw Co., 519 Homan av, Chicago, Ill.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Miles, Franklin S. (Est. of), 205 Quarry, Phila., Pa.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Republic Iron & Steel Co., Pittsburg, Pa.
Reynolds & Co., New Haven, Conn.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Thumb)

Billings & Spencer Co., Hartford, Conn.
Chicago Screw Co. (Drop Forge & Malleable Iron), 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co. (Drop Forged), Pawtucket, R. I.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Miles, Franklin S. (Est. of), 205 Quarry, Phila., Pa.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., 3017 N 13th, St. Louis, Mo
Steele & Johnson Mfg. Co., Waterbury, Conn.
Welch, T. F. & Co. (Brass), 55 Sudbury, Boston, Mass.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Tobacco)

Bates', Jas. Sons, Baltimore, Md.
Danbery Foundry Co. ("Parker" Stationary), Ripley, O.

Screws (Water Closet)

(See Screws, Plumbers')

Screws (Wood)

American Screw Co., Providence, R. I.
Atlantic Screw Works (Brass & Bronze) (David Tilton, Prop.), Hartford, Conn.
Brooks, M. S. & Sons (Dowel, Wing), Chester, Conn.
Columbia Screw Co., 100th & Cottage Grove av, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Disston, Henry & Sons (Inc.) Tacony, Phila., Pa.
Eagle Lock Co., Terryville, Conn.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Humason & Beckley Mfg. Co., New Britain, Conn.
NATIONAL-ACME MFG. CO., Cleveland, O. (See adv. index, end of book)
National Screw & Tack Co. (Iron & Brass), Cleveland, O.
Parker, Chas. Co., Meriden, Conn.
Penn Hdw. Co. (Inc.), Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reading Screw Co. (Brass & Iron), Norristown, Pa.
Reed & Prince Mfg. Co. (Iron & Brass), Worcester, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Southington Cutlery Co., Southington, Conn.
Wire Goods Co., Worcester, Mass.

Screws (Wooden)

Aldrich, Wm. K. Co., Lowell, Mass.
Peirce, Wm. E. & Co., Milford, N. H.

*Scribers (Adjustable, Etc.)

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Scrubbers (Floor)

Bosley, D. W. Co. (Rubber), 303 Fulton, Chicago, Ill.

*Scrubbers & Tanks

PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)

Sculptors (Architectural)

(See Modelers & Sculptors, Architectural; also Carvers, Stone)

*Scuttle Openers (Automatic Self-Locking

BICKELHAUPT, GEO., SKYLIGHT Works, 243 W 47th, New York. (See adv. index, end of book)

Scythe Mfrs.

American Axe & Tool Co., Glassport, Pa.
Columbian Cutlery Co. (Grass, Weed & Bush), Reading, Pa.
Dunn Edge Tool Co., Oakland, Me.
Emerson Edge Tool Co., East Lebanon, N. H.
Emerson-Stevens Mfg. Co., Oakland, Me.
Kelly Axe Mfg. Co., Charleston, W. Va.
Nolin Mfg. Co., Skowhegan, Me.
North Wayne Tool Co., Hallowell, Me.
Rixford Mfg. Co. East Highgate, Vt.
Sibley Scythe Co., North Newport, N. H.
Wadsworth, David & Son, Auburn, N. Y.
Winsted Mfg. Co. (Grass, Grain, Bush, Bramble, Weed & Lawn), Winsted, Conn.

Scythe Snaths

American Fork & Hoe Co., Cleveland, O.
Benton Mfg. Co., Charlotte, Mich.
Brown, Hinman & Huntington Co., Memphis, Tenn.
Derby & Ball, Bellows Falls, Vt.
Emerson-Stevens Mfg. Co., Oakland, Me.
Iowa Farming Tool Co., Fort Madison, Ia.
Owosso Mfg. Co., Owosso, Mich.
Seymour Mfg. Co., Seymour, Ind.

*Seals (Box Strap)

ACME STEEL GOODS CO., 2834 Archer av, Chicago, Ill.; 147 Lafayette, New York, & Empire bldg., Atlanta, Ga. (See adv. index, end of book)
CARY MFG. CO., ("Cary's" Patented Protective Seals), 19 Roosevelt, New York. (See adv. index, end of book)

Seals (Case)

(See Seals, Box Strap)

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Seals (Lead)

ACME STEEL GOODS CO., 2834 Archer av, Chicago, Ill.: 147 Lafayette, New York, & Empire bldg., Atlanta, Ga. (See adv. index, end of book)
American Smelting & Refining Co., Cincinnati, Ohio
Chadwick-Boston Lead Co., Boston, Mass.
Hiertz, Theo. & Son, St. Louis, Mo.

Seals & Sealing Presses (Car)

AMERICAN RAILWAY SUPPLY CO., 24 Park pl., New York. (See adv. index, end of book)
American Smelting & Refining Co. (Lead), Cincinnati, O.
Barnard Stamp Co., 311 Olive, St. Louis, Mo.
Brooks, E. J. & Co., 227 Fulton, New York
Chadwick-Boston Lead Co. (Lead Car Seals Only), Boston, Mass.
Chicago Car Seal Co., 108 N Green, Chicago, Ill.
Crescent Seal & Stamp Co., Cambridge, O.
Detroit Car Seal & Tin Tag Co., Detroit, Mich.
Handlan-Buck Mfg. Co. ("Handlan's"), 212 N 3d, St. Louis, Mo
Hanson, C. H. (Seals & Presses), 44 Clark, Chicago, Ill.
Hiertz, Theo. & Son (Lead Car Seals), 10th & Poepping, St. Louis, Mo.
Hill, B. B. Mfg. Co., 1020 New Market, Phila., Pa
International Seal & Lock Co., Hastings, Mich
Keystone Seal & Press Co., 30 Church, New York
Lehmer, Jos. R., 1212 Farnam, Omaha, Neb
National Car Seal Co., Hamilton, O.
New York Stencil Works, 100 Nassau, New York
Parker, T. M., Hartford, Conn.
Saurbrey, Geo. Car Seal Co. (Hasp & Car Shipping Seals), Columbus, O.
Sigwalt Mfg. Co. (Presses), 188 Madison, Chicago, Ill.
Smith, R. H. Mfg. Co., Springfield, Mass.
Utica Drop Forge & Tool Co. (Presses), Utica, N. Y.
Wendell & MacDuffie (Mfrs.' Agts.'), 50 Church, New York
Woodman, R. Mfg. & Supply Co. (Lead), 63 Oliver, Boston, Mass.

Searchlights

(See Projectors or Searchlights)

Searchlights (Acetylene)

American Acetylene Stove Co. ("Clear View") Masonic Temple, Minneapolis, Minn.
Colt, J. B. Co., 21 Barclay, New York
MacLeod, Walter & Co., 213 E. Pearl, Cincinnati, O.
Twentieth Century Mfg. Co., 19 Warren, New York

Seating

(See Furniture, School; also Furniture, Church; also Opera Chairs & Theatre Seating)

Seating (Car)

(See Car Seats, Chairs & Fittings)

Seats (Agricultural Implement)

Avery Stamping Co., Cleveland, O.
Cambria Steel Co. (Pressed Steel), Arcade bldg., Phila., Pa.

Seats (Bath Tub)

Buffalo Specialty Co. ("The Empire," "Bon Ton," "Climax" & "Universal" Adjustable), Buffalo, N. Y.
Climax Specialty Co., Elmira, N. Y.
Hess, Chas. Co. (For Export), 120 Front, New York
Warner, A. H. & Co., Bristol, Conn.

*Seats (Cable Pole)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)

*Seats (Chair)

DIAMOND STATE FIBRE CO., (Hard Fibre), Bismere, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., (Hard Book Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)

Seats (Folding)

Bryan Novelty Mfg. Co., Bryan, O.

Seats (Pole)

Lanz, M. Sons, Carson & 20th, Pittsburg, Pa.

Seats (Reversible, Car)

Brill, J. G. Co. (For Open or Closed Cars), 62d & Woodland av, Phila., Pa.

Seats & Seating (Car)

(See Car Seats, Chairs & Fittings)

Secohmeters

Leeds & Northrup Co., 4901 Stenton av, Gtn, Phila., Pa.

Seeders (Beet)

Bateman Mfg. Co. (Drills), Grenloch, N. J.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Deere & Mansur Co. (Drills), Moline, Ill.
Gale Mfg. Co., Albion, Mich.
Moline Plow Co. (Four Row), Moline, Ill.
Parlin & Orendorff Co., Canton, Ill.
Rowell, I. B. Co., Menominee Falls, Wis.
Superior Drill Co. (Drills), Springfield, O.

Seeders (End Gate)

Adam, W. J., Joliet, Ill.
American Seeding Machine Co., Main Office Springfield, O.
Bailey, Nichols & Co. (Chainless Force Feed), Delevan, Ill
Bristol & Gale Co., Chicago, Ill.
Chambers, Bering, Quinlan Co., Decatur, Ill.
Engel, J. A. & Co., Peoria, Ill.
Foster & Williams Mfg. Co., Racine, Wis.
Johnson & Field Mfg. Co., Racine, Wis.
Luthy Co., Peoria, Ill.
Peoria Drill & Seeder Co. ("Glendale Agitator," "Peoria Agitator"), Peoria, Ill.
Racine Implement Co., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Rhea-Thielens Implement Co., Peoria, Ill.
Tait, F. B. Mfg. Co. (Force Feed; also Wright's Clover Seed Attachment), Decatur, Ill.

Seeders (Garden)

Deere & Mansur Co., Moline, Ill.

Seeders (Grass)

Brown Mfg. Co., Phelps, N. Y.
Fetzer & Co., Springfield, Ill.
Holmes Wire Rope Seeder Co., Ypsilanti, Mich.
Seeder & Hannock Chair Co., Homer, Mich.
Star Seeder Co., Shortsville, N. Y.
Thompson, O. E. & Son, Ypsilanti, Mich.

Seeders (Raisin)

Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Landers, Frary & Clark ("Crown"), New Britain, Conn.

Seeders & Sowers

(Seeders; also Sowers)

Allen, S. L. & Co. ("Planet, Jr.," Bean, Pea, etc.), 107 Market, Phila., Pa.
American Harrow Co. (Seeders Only), Detroit, Mich.
American Seeding Machine Co. (Broadcast), Main Office, Springfield, O.
Appleton Mfg. Co. ("Budger" & "Royal"), Batavia, Ill.
Beaver Dam Mfg. Co., Beaver Dam, Wis.
Belcher & Taylor Agri. Tool Co. (Fertilizer "Stevens"), Chicopee Falls, Mass.
Benicia Agricultural Works ("Gem," "Gorman"), Benicia, Cal.
Caldwell & Drake Iron Works (Inc.) (End Gate Seeders), Columbus, Ind.
Cyclone Seeder Co. ("Cyclone," "Chicago" & "Champion, Jr.," Hand Broadcast Seed Sower), Urbana, Ind.
Deere & Mansur Co. (Broadcast; also Grass Seeder Attachment), Moline, Ill.
Dowagiac Mfg. Co. (Seeders), Dowagiac, Mich.
Emerson Mfg. Co., Rockford, Ill.
Fetzer & Co., Springfield, Ill.
Fond du Lac Implement Co., Fond du Lac, Wis.
Foster & Williams Mfg. Co., Racine, Wis.
Freeman S. & Sons Mfg. Co., Racine, Wis.
Gale Mfg. Co. (Broadcast), Albion, Mich.
Goodell Co. (Hand), Antrim, N. H.
Grant-Ferris Co. (Combined Drill & Broadcast Seeder), Troy, N. Y.
Hench & Dromgold Co. (Inc.), York, Pa.
Hoosier Drill Co., Richmond, Ind.
Howell, R. R. & Co. (Seeder with Cultivator), Minneapolis, Minn.
Janesville Machine Co., Janesville, Wis.
Johnston Harvester Co. (Disc Seeder), Batavia, N. Y.
Johnson & Field Mfg. Co. (Scandinavian Broadcast), Racine, Wis.
King Drill Mfg. Co., Nebraska City, Neb.
La Crosse Plow Co. (Also Grass Seeder Attachments), La Crosse, Wis.
Luthy & Co. (Also Grass Seeder Attachments), Peoria, Ill.
Mast, P. P. & Co., Springfield, O.
Moline Plow Co., Moline, Ill.
Monitor Drill Co., Minneapolis, Minn.
Ohio Rake Co. (Seeders for Disc Harrows), Dayton, O.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co. ("Columbia," "Cyclone," "Union, Jr."), Peoria, Ill.
Reed Mfg. Co. (Broadcast), Kalamazoo, Mich.
Rockford Well Drill Co. ("Gorman" Seeders), Rockford, Ill.
Rock Island Plow Co. (Seeder Attachment for Disc Harrows), Rock Island, Ill.
Rowell, I. B. Co., Menominee Falls, Wis.
Rowell, J. S. Mfg. Co. (Also Combined Seeder & Drill), Beaver Dam, Wis.
Seeder Mfg. Co., Homer, Mich.
Star Seeder Co., Shortsville, N. Y.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.
Superior Drill Co. (Broadcast), Springfield, O.
Thompson, J. & Sons Mfg. Co., Beloit, Wis.
Van Brunt Mfg. Co. (Broad Cast), Horicon, Wis.
Wayne Works, Richmond, Ind.
Whitman Agricultural Co. (Broadcast), St. Louis, Mo.

Segments (Commutator)

(See Commutator Bars)

Seine Twine

(See Twine, Seine)

Self-Closing Work

(See Corks & Bibbs, Self-Closing)

Self-Feeders & Band Cutters for Threshers

Advance Thresher Co., Battle Creek, Mich.
Avery Co. ("Avery"), Peoria, Ill.
Buffalo Pitts Co., Buffalo, N. Y.
Case, J. I. Thresher Co., Racine, Wis.
Frick Co., Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Holt Mfg. Co. (Chain), Stockton, Cal.
Howell, R. R. & Co., Minneapolis, Minn.
Huber Mfg. Co., Marion, O.
Hunt, Gilbert Co., Walla Walla, Wash.
Jackson, Byron Machine Works (Self Feeder), San Francisco, Cal.
La Crosse Mfg. Co. (Self Feeder), La Crosse, Wis.
Maplebay Wind Stacker Co., Crookston, Minn.
Marion Mfg. Co., Marion, O.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Monarch Feeder & Stacker Co., Cedar Falls, Ia.
National Machine Co., Columbus, Ind.
Nichols & Shepard Co., Battle Creek, Mich.
Northwest Thresher Co., Stillwater, Minn.
Parsons Band Cutter & Self Feeder Co., Newton, Ia.
Parsons, Rich & Co., Newton, Ia.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Ries, Henry, Bowling Green, O.
Robinson & Co., Richmond, Ind.
Rumley, M. Co., Laporte, Ind.
Ruth Self Feeder Mfg. Co., Halstead, Kan.
Russell & Co., Massillon, O.
Sandwich Mfg. Co., Sandwich, Ill.
Westinghouse Co., Schenectady, N. Y.
Wood Bros. Steel Self Feeder Co., Des Moines, Iowa

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*Self-Starters

CUTLER-HAMMER MFG. CO. (Alternating and Direct Current), Milwaukee, Wis. (See adv. index & branch offices, end of book)
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

Semaphore Lenses

(See Globes, Lantern)

Semaphores (Train Order)

Barney & Smith Car Co. ("The Harrington"), Dayton, O

Separators (Air)

American Pulverizer Co. ("American" For All Dry Materials), St. Louis, Mo.

Separators (Barley)

Huntley Mfg. Co. ("Monitor" for Brewers & Malsters), Silver Creek, N. Y.

Separators (Bean)

Avery, B. F. & Sons, Louisville, Ky.
Bacon Mfg. Co., Pontiac, Mich.

Separators (Cement, Plaster, Etc.)

Emerick, Geo. S., Nazareth, Pa.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Separators (Centrifugal)

American Tool Works Co. ("American," for Separating Oil From Metal Chips & Turnings, etc.), Cincinnati, O.
American Tool & Machine Co. (For Separating Oil from Metal Chips & Turnings), 109 Beach, Boston, Mass.
Curtis, Albert B. (For Separating Oil From Steel Chips, etc.), Worcester, Mass.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Separators (Coal)

Anthracite Separator Co. ("Spiral," Automatic in Action), Hazleton, Pa.

Separators (Cotton Seed)

New Winona Mfg. Co., Winona, Minn.
Sherman Iron Works, Sherman, Tex.
Van Winkle, E., Gin & Machine Works, Atlanta, Ga.

Separators (Cream)

American Hardware Mfg. Co. ("Illinois Dairy," Centrifugal), Ottawa, Ill.
American Separator Co., Bainbridge, N. Y.
Anderson, Oscar ("Anderson"), 30 Lawrence, Newark, N. J.
Aquatic Cream Separator Co. ("Aquatic" Gravity), Rochester, N. Y.
Arras Cream Separator Co. ("Arras"), Bluffton, O.
Atlantic Stamping Co. ("Atlantic"), Rochester, N. Y.
Bluffton Cream Separator Co., Bluffton, O.
Borden Automatic Cream Separators, Middle Granville, N. Y.
Buckeye Cream Separator Co., Oberlin, O.
Burrell, D. H. & Co. ("Simplex," Centrifugal Hand Power), Little Falls, N. Y.
Chamberlain Machine Works, Waterloo, Ia.
Chapman, C. L., Erie, Pa.
Cleveland Cream Separator Co., Cleveland, O.
Creamery Package Mfg. Co., 182 E Kinzie, Chicago, Ill.
Cushman, E. S., Co., Centerville, Iowa.
Dairy Implement Co., Lima, O.
Dairy Queen Mfg. Co. ("Dairy Queen"), Flora, Ind.
Davis Cream Separator Co. ("Davis" Centrifugal), 54 N. Clinton Chicago, Ill.
De Laval Separator Co., 74 Cortlandt, New York
Doty Mfg. Co., Cato, N. Y.
Empire Cream Separator Co. ("Empire"), Bloomfield, N. J.
Fisk, E. W., Newark, N. Y.
Hackett, Dalley Creamery Supply Co., Wallunt Mfg. Co., Newark, N. J. terloo, Ia.
International Harvester Co. of America, Chicago, Ill., & Auburn, N. Y.
Iowa Dairy Separator Co. ("Iowa Dairy"), Centrifugal), Waterloo, Iowa
Jones, Frank L., Utica, N. Y.
King Drill Mfg. Co., Nebraska City, Kans.
Kneeland Crystal Creamery Co., Lansing, Mich.
Lawrence, Bostwick Mfg. Co., Phelps, N. Y.
Lawrence Mfg. Co., Toledo, O.
Lisle Mfg. Co. ("Monarch" Hand), Clarinda, Lourie Co., Keokuk, Ia. Ia.
Lowell Specialty Co. ("Puritan," "Michigan" & "King"), Lowell, Mich.
Moseley & Pritchard Mfg. Co., Clinton, Ia.
National Dairy Machine Co. ("National" Centrifugal, etc.), Goshen, Ind.
National Enameling & Stamping Co. ("National"), 374 B'way, New York
Omega Separator Co. ("Omega" Centrifugal), Lansing, Mich.
Papec Machine Co. ("Papec"), Lima, N. Y.
Plymouth Mfg. Co., Plymouth, O.
Polar Creamery Co., Lafayette, Ind.
Reid, A. H., Creamery & Dairy Supply Co. ("Reid" Steam, Turbine & Hand), 60th & Haverford, Phila., Pa.
Sanitary Cream Separator Co., Bluffton, O.
Sharpless Separator Co. (Tubular), West Chester, Pa.
Stone Bros., Breconridge, Mich.
Superior Fence Machine Co., Detroit, Mich.
U. S. Butter Extractor Co., Bloomfield, N. J.
Vermont Farm Machine Co. ("United States"), Bellows Falls, Vt.
Waterloo Cream Separator Co. ("Peerless" Centrifugal), Waterloo, Ia.
Wheeler Gravity Cream Separator Co., Syracuse, N. Y.
Wilson, H. McK. & Co., St. Louis, Mo.

Separators (Cream, Centrifugal)

(See Separators, Cream, with the word Centrifugal following their name)

Separators (Dust)

Buffalo Forge Co., Buffalo, N. Y., & 39 Cortlandt, New York
Spicer Mfg. Co., New Philadelphia, O.
Sterling Blower & Pipe Mfg. Co., Hartford, Conn., & 85 Liberty, New York.

Separators (Egg)

Degerdon, Adolph, 383 W B'way, New York

Separators (Flax)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

*Separators (Gas & Oil)

PETROLEUM IRON WORKS CO., (Automatic, for Oil Wells), Sharon, Pa., & Farmers' Bank bldg, Pittsburg, Pa. (See adv. index, end of book)

Separators (Grain)

Aultman & Taylor Machinery Co. ("New Century"), Mansfield, O.
Avery Mfg. Co., Peoria, Ill.
Bidwell, C. H., Thresher Co. (Inc.), Batavia, N. Y.
Closz & Howard Mfg. Co., Webster City, Ia.
Dickey, A. P. Mfg. Co., Racine, Wis.
Farquhar, A. B. Co. (Ltd), York, Pa.
Geiser Mfg. Co. (The New Peerless), Waynesboro, Pa
Closz & Howard Mfg. Co., Webster City, Ia.
Grain Separator Co., Sparta, Wis.
Johnson & Field Mfg. Co. (Dustless), Racine, Hoosier Mfg. Co., New Castle, Ind. Wis.
Howes, S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Cranson" & "Monitor," Scouring, Polishing & Separating, etc.), Silver Creek, N. Y.
Invincible Grain Cleaner, Silver Creek, N. Y.
Owens, J. L. Co. (Also Flax), Minneapolis, Minn.
Prairie Queen Mfg. Co., Newton, Kan.
Prinz & Rau Mfg. Co. ("Prinz" Automatic), 659 E Water, Milwaukee, Wis.
Reeves & Co. (Compound), Columbus, Ind.
Robinson & Co., Richmond, Ind.
St. Albans Fdry. & Implt. Co., St. Albans, Vt.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)

Separators (Iron & Brass)

(See Separators, Magnetic)

Separators (Lime & Ash)

Hench & Dromgold Co., York, Pa.
Spangler Mfg. Co. (Lime & Ash), York, Pa.

Separators (Magnetic)

American Concentrator Co. ("Knowles," "New Century"), Basic City, Va.
Barnard & Leas Mfg. Co., Moline, Ill.
Blake Mining & Machine Co., Denver, Colo.
Brass Founders' Supply Co. ("Badger" Electro-Magnetic, etc., for Brass Fdrs.), Newark, N. J.
Burlin, Chas. T., Whitinsville, Mass.
Carter Auto-Magnetic Ore Separator Co., 123 Liberty, New York
Cresson, Geo. V. Co. ("Buchanan" for Brass, Iron, Ore, etc.), Allegheny av. W of 17th, Phila., Pa.
CUTLER HAMMER CLUTCH CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Dings Electro Magnetic Separator Co. ("Dings" Electric), 675 Smith, Milwaukee, Wis.
Elm City Engineering Co. ("Hoyt" & "Martin"), New Haven, Conn.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Howes, S. Co., Silver Creek, N. Y.
McCormack, J. S. Co., Pittsburg, Pa.
Magnetic Separator Co., Troy, N. Y.
Moussette, O. J. ("Monarch" Crusher & Pulverizer), Driggs av. & N. 10th, Brooklyn, N. Y.
Reed, Charles J., 23d & Hamilton, Phila., Pa.
SPROUT, WALDRON & CO. (Automatic), Muncy, Pa. (See adv. index, end of book)
Stearns-Roger Mfg. Co. ("Wetherill"), Denver, Colo.
United Iron Works Co. ("Cleveland-Knowles" for Separating Iron Pyrites from Lead & Zinc Ores), Springfield, Mo.

Separators (Mud)

American District Steam Co., Lockport, N. Y.

Separators (Oil from Steel Chips)

(See Separators, Centrifugal)

*Separators (Pea)

SPRAGUE CANNING MACHINERY Co. (Scott's Rotary Interchangeable), 5 Wabash av, Chicago, Ill. (See adv. index end of book)

Separators (Reclaimed Rubber)

Turner, Vaughn & Taylor Co., Cuyohoga Falls Ohio

Separators (Small Seed)

Nichols & Shepard Co., Battle Creek, Mich

Separators (Steam & Oil)

(See also Oil & Grease Extractors)

Acton, John ("Nelson"), 118 John, Brooklyn, N. Y
Albany Steam Trap Co. ("Blessing"), Albany, N. Y
Ambrose Machine Co. ("De Ryckc"), Eagle & Provost, Brooklyn, N. Y
American District Steam Co., Lockport, N. Y
AMERICAN SPIRAL PIPE WORKS, W 14th & 48th av, Chicago, Ill., & 39 Cortlandt, New York. (See adv. index & branch offices, end of book)
Angell & Co., John E., St. Louis, Mo.
Atwood & Morrill ("XX Century"), Salem, Mass.
Austin Separator Co. ("Austin" Oil), Detroit, Mich
Baldwin Engineering Co. ("Baldwin"), 239 W 33d, New York
Baragwanath & Son, 55 W Division, Chicago, Ill.
Best Mfg. Co. ("Climax," Centrifugal), 35th & A V. Ry., Pittsburg, Pa.

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Bushnell, John S. Co., 227 Fulton, New York
Central Station Steam Co., Detroit, Mich.
Colles, E. G. T. & Co., 20 S Canal, Chicago, Ill.
Crane Co. (of Chicago), Est. 1855. (See adv. index & branch offices, end of book)
D'Este, Julian Co. ("Curtis"), Boston, Mass.
Direct Separator Co., ("Sweets"), Syracuse, N. Y.
Eureka Iron Co., 63 S Canal, Chicago, Ill.
Flint, S. E. & Co. ("St. Louis"), Security bldg., St. Louis, Mo.
GARDNER GOVERNOR CO., ("Gardner"), Quincy, Ill. (See adv. index, end of book)
Goubert Mfg. Co. ("The Stratton," Live Steam), 90 West, New York
Harrison Safety Boiler Works ("The Cochrane"), 17th, below Allegheny, Phila., Pa.
Hawley Down Draft Furnace Co. ("Hutchinson"), c Superior & Townsend, Chicago, Ill.
Hershey Machine & Foundry Co. ("Baum"), Manheim, Pa.
Hoppes Mfg. Co., Springfield, O.
Hughson Steam Specialty Co. ("Eclipse"), 5021 S. State, Chicago, Ill.
Hussey-McCann & Co. ("Peerless"), 87 Warren, New York
Huxley, C. E. & Co., 91 W Randolph, Chicago, Ill.
Ide, A. L. & Sons ("Ideal"), Springfield, Ill.
Ironton Engine Co. (Steam), Ironton, O.
Jacobs, Chas. & Co. ("Lowden"), Boston, Mass.
Jarvis Engine & Machine Works ("Monitor" Oil), Lansing, Mich.
Kellogg, M. W. Co., 50 Church, New York
Keyes, F. E. & Son ("Advance") 20 Broad, New York
Kieley & Mueller, 34 W. 13th, New York.
Kruger & Blind Co. ("Simpson's" Centrifugal Steam), 511 Master, Philadelphia, Pa.
KUTZTOWN FOUNDRY & MACHINE Co. (Compound for Steam Boilers), 116 N. Broad, Phila., Pa. (See adv. index & branch offices, end of book)
Liberty Mfg. Co. ("Liberty-Greenway"), Pittsburg, Pa.
Lippincott Steam Specialty & Supply Co. ("Lippincott"), Newark, N. J.
Locke Regulator Co., Salem, Mass.
Loew Mfg. Co. ("Loew"), Cleveland, O.
Marion Incline Filter & Heater Co. ("Packard"), Marion, O.
Mitchell, W. K. & Co., Schuylkill & Ellsworth, Phila., Pa.
Monash-Younker Co. ("Goan" & "Monash"), 203 S Canal, Chicago, Ill.
Mosher, Chas. D. ("Mosher"), 1 B'way, New York
Nicholson, W. H. & Co. ("Wyoming" Steam Only), Wilkes-Barre, Pa.
Ohio Blower Co. ("Swartwout" Vertical), Cleveland, O
Patterson, Frank L. & Co. ("Patterson"), 26 Cortlandt, New York
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. R'y, Pittsburgh, Pa. (See adv. index, end of book)
Potter Separator Co. ("Potter Mesh"), Newburgh, N. Y.
Power Plant Specialty Co. ("Vater," Two Stage Steam, etc.), 245 S Jefferson, Chicago, Ill.
Providence Steam Trap Co. ("Newton"), Providence, R. I.
Robertson, Jas. L. & Son (Inc.) ("Uline" Eliminator), 48 Warren, New York
Sayre Bros. ("Ridge"), Phoebus, Va.
Schaeffer & Budenberg Mfg. Co. ("Acme"), 963 Kent av, Brooklyn, N. Y.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Simonds Heating & Specialty Co. ("Simonds" Steam Receiver & Separator, overcomes all Steam Pipe Vibration), Detroit, Mich.
Sims Co., Erie, Pa.
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Steam Appliance Co. ("Milwaukee," "Victor," "Ideal," & "Triumph" Centrifugal), Milwaukee, Wis.
Stewart Heater Co. (Separator & Purifier Combined), Buffalo, N. Y.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
THOMAS & SMITH (Inc.), 17 S. Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)
Thompson, Richard & Co., 126 Liberty, New York
Unique Engineering Co., 100 Hinsdale, Brooklyn, N. Y.
Watson & McDaniel Co. ("W. & McD." and "Jennings"), 146 N 7th, Philadelphia, Pa.
Webster, Warren & Co. ("The Webster"), Camden, N. J.
Wheeler Condenser & Engineering Co. ("Baker" Oil), Cartaret, N. J.
Whitlock Coil Pipe Co. ("American"), Hartford, Conn.
Williams, D. T. Valve Co. ("Cookson" Automatic), 410 E 8th, Cincinnati, O.
Windsor Machine Co., Windsor, Vt.

Separators (Stone)

American Clay Machinery Co., Bucyrus, O.
Brewer, H. & Co., Tecumseh, Mich.
Great Western Mfg. Co. (For Separating Stone & Gravel from Wheat), Leavenworth, Kan.
Martin Henry Brick Machine Mfg. Co., Lancaster, Pa
Sturtevant Mill Co. ("Newaygo"), Boston, Mass.
Wallace Mfg. Co., Frankfort, Ind.

Separators (Vacuum)

Austin Separator Co., 55 Woodbridge, W Detroit, Mich.

Separators (Waste Oil)

(See Separators, Centrifugal)

Servers

Riverside Metal Co., Riverside, N. J.

Sets (Lock)

Sargent & Co. ("Union"), New Haven, Conn.

Sets (Nail, Rivet, Saw, Etc.)

(These specialties are classified under their descriptive kinds)

Settees, Chairs, Etc. (Veneered)

(See Veneer Seating)

Settees (Gliding)

Goshen Mfg. Co. ("Boyers"), Goshen, Ind.
Kelly Mfg. Co., Waterloo, Ia.

Settees (Railroad)

American Seating Co., 90 Wabash av., Chicago, Ill.
Ahnapee, Veneer & Seating Co., Algoma, Wis.
Frost Veneer Seating Co., 200 Canal, New York
Kane, Thos. & Co. Works (Station, etc.), 90 Wabash av., Chicago, Ill. Works: Racine, Wis.

Settees (Rustic)

(See Rustic Woodwork)

Settees & Chairs (Iron)

(See also Fountains, Vases, Etc.)

Badger Wire & Pottery Co., Milwaukee, Wis.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bayley, Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Washington, Phila., Pa
Bethlehem Foundry & Machine Co. (Iron Frame, Wooden Seat), Front st., S. Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Casey-Hedges Co. (Cast Iron Settees), Chattanooga, Tenn.
Central Wire & Iron Works, Indianapolis, Ind.
CHAMPION IRON CO., Kenton, Ohio (See adv. index, end of book)
Cincinnati Iron Fence Co. (Also Wire), Cincinnati, Ohio
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O
COLUMBUS WIRE & IRON WORKS CO., (Settees Only), Columbus, O. (See adv. index, end of book)
Fiske, J. W. Iron Works, 56 Park Pl, New York
Glen Mfg. Co., Elwood City, Pa.
Hinderer, C. A. F., New Orleans, La.
Jones, M. D. & Co., 71 Portland, Boston, Mass.
Jones, Willis H., Utica, N. Y.
Keystone Farm Machine Co. (Wood, Iron Frame), York, Pa.
Le Baron Foundry Co., Middleboro, Mass.
Ludlow-Saylor Wire Co., St. Louis, Mo.
McDonald Bros. (Cast Iron), Columbus, Ohio
Mack Iron Works Co. (Wrought Iron), Sandusky, O.
Mott, J. L. Iron Works, 118 5th av, New York
Nimmo Fence & Wire Works Co., 305 E. 4th, Cincinnati, O.
Nute, T. C. Foundry Co., Akron, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Ornamental Iron & Wire Co. (Inc.), Portsmouth, Va.
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Smyser, Royer Co., York, Pa., & Baltimore, Md.
Stewart Iron Works Co., Covington, Ky.
Swett, A. L. Iron Works, Medina, N. Y.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Van Dorn Iron Works Co., Cleveland, O.
Washington Iron Works, 419 Pratt, Buffalo, N. Y.
Westervelt, A. B. & W. T., 102 Chambers, New York
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Settees & Chairs (Lawn)

Adams Company ("Iron Fence"), Dubuque, Ia.
Badger Wire & Iron Works (Iron), Milwaukee, Wis.
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bausman, D. H. (Wood, Iron Frame), Bausman, Pa.
Belcher & Taylor Ag'l Tool Co., Chicopee Falls, Mass.
Bernstein Mfg. Co. (Wood, Iron Frame), 3d & Allegheny av., Phila., Pa.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Buckstaff-Edwards Co., Oshkosh, Wis.
Buffalo Wire Works Co., Buffalo, N. Y.
Champlain Mfg. Co. (Wood, Iron Frame), Burlington, Vt.
Crocker Chair Co., Sheboygan, Wis.
Donaldson Bros., Mount Clemens, Mich.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
Farquhar, A. B. Co. York Pa.
Fletcher & Webster Furniture Co. Nashua, N. H.
Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
Hardware & Woodenware Mfg. Co. (Iron), 693 B'way, New York
Kalamazoo Sled Co. (Bent Wood, Folding & Swinging), Kalamazoo, Mich.
Keystone Farm Machine Co., York, Pa.
Mann Bros., 23 Erie, Milwaukee, Wis.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Mott, J. L. Iron Works (Wood, Iron Frame), 88 Beekman, New York
Moulton, C. W. H. & Co., Somerville, Mass.
Nashua Novelty Works, Nashua, N. H.
Ohio Rake Co., Dayton, Ohio
Stewart Iron Works Co., Covington, Ky.
VAN DORN IRON WORKS CO., 2685 N. 70th, Cleveland, O. (See adv. index, end of book)
Western Implement Co., Port Washington, Wis.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Setters (Axle)

Steadham, W. S. ("Steadham" Cold Setter & Straightener), Boyse, Tex.

Setters (Skein)

Williams, White & Co., Moline, Ill.

Setters (Tie Plate)

Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works, Cheswick, Pa.

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Setters (Tire)

Brooks Tire Machine Co. ("Brooks" Cold), Wichita, Kan.
Burtt Mfg. Co., Kalamazoo, Mich.
Comstock, Geo. S. ("Wolf" Cold Tire Setter. Edge Grips), Mechanicsburg, Pa
House Cold Tire Setter Co. ("House" Cold), St Louis, Mo
McGovern Tire Setter Co., Cincinnati, O.
MacGowan & Finigan Fdy & Machine Co. ("House" Cold), Gay bldg, St. Louis, Mo.
Mayers Tire Setter Mfg. Co., 1721 N. 8th st., St. Louis, Mo
Munnsville Plow Co. ("Bunch"), Munnsville, N. Y.
National Machine Co. ("Hercules" Hydraulic), Keokuk, Ia.
Standard Tire Setter Co. ("Scientific," "Henderson's" Hand Power), Keokuk, Ia.
West Tire Setter Co. ("West" Hydraulic), Rochester, N. Y.

Settings (Prism Glass)

National Sheet Metal Co., Peru, Ill.

Sewage Disposal Outfits (Odorless)

Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
Noble, Henry A. ("National" & "The Improved"), 203 Dock, Philadelphia, Pa.

Sewage Disposal Plants

Bacterial Sewage Purification Co., 32 B'way, New York
Bonnot Co., Canton, O.
CENTRAL FOUNDRY CO., (Pipe and Specials for), 37 Wall, New York. (See adv. index, end of book)
City-Wastes Disposal Co., 156 5th av., New York
Decarie Mfg. Co., 200 1st av, Minneapolis, Minn.
Lewis & Kitchen, 1200 Michigan av., Chicago, Ill.
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Modern Iron Works ("Rhoads-Williams" Raw Sewage Syphon), Quincy, Ill.
Municipal Engineering & Contracting Co., 90 West, New York
Nelson, N. O. Mfg. Co. (Septic Tank Sewage Disposal System), St. Louis, Mo.
New York Sewage Disposal Co., 1 Madison av., New York
Pacific Flush Tank Co., 84 La Salle, Chicago, Ill.
Stebbings, W. L. (Sewage Disposal & Treatment), Monadnock Blk., Chicago, Ill.
Waring, Chapman & Farquhar ("Waring" System), 874 B'way, New York

Sewage Ejectors

I X L Pump & Mfg. Co. ("I. X. L."), 805 S 11th, Phila., Pa.
Jenkins Mfg. Co. ("Jenkins"), 20 Vesey, New York
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Shone Co. ("Shone"), 134 Blackhawk, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Yeomans Bros., 98 Jackson boul, Chicago, Ill.

Sewage Lifts (Water Power)

Ansonia Mfg. Co., 355 W 26th, New York
MERRITT & CO. (For Raising, Flushing, Control of Sewage, etc.), 94 Arch, Camden, N. J. (See adv. index, end of book)

Sewer Braces

Dixon, Chas. E. & Son, 3027 Liberty av, Pittsburg, Pa.
DUFF MFG. CO., (& French Braces), N. S., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Dunn Mfg. Co. ("Dunn" Alliance), Westinghouse bldg, Pittsburg Pa.
Kalamazoo Foundry & Machine Co. (Extensible Trench), Kalamazoo, Mich.
Potter Mfg. Co. (Trench), Indianapolis, Ind.

Sewer Buckets

(See Buckets, Various Kinds; also Tubs, Various Kinds)

Sewer Builders

(See Contractors, General)

Sewer Couplings & Connections

Canton Cement Specialty Co., Canton, Ohio

Sewer Inlet Mfrs.

American Brake Shoe & Foundry Co., Mahwah, N. J., & Western Union bldg, Chicago, Ill.
Barber Mfg. Co., Ashtabula, O.
Buckeye Foundry Co., 2257 Buck, Cincinnati, O.
Burr, E. M. & Co., Champaign, Ill.
City Foundry Co., 1151 Hamilton, Cleveland, O.
Co-Operative Foundry Co., Detroit, Mich.
Davis & Thomas Co., Catasauqua, Pa.
Defiance Machine Works, Defiance, O.
Duplex Mfg. & Fdry. Co., Cleveland, O.
Firth, Roland & Son, Phillipsburg, N. J.
Ford & Kimball, Concord, N. H.
Greger Mfg. Co., 22d & Wash'n av, Phila., Pa.
Hartnett, John J., Albany, N. Y.
Hayes Foundry Co., Lynn, Mass.
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
McDonald Bros., Columbus, O.
McDonald, H. W. & Son ("Star"), Galion, O.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Madison Foundry Co. ("Acme"), Cleveland, O.
Muncie Foundry & Machine Co., Muncie, Ind.
Over, Ewald, 420 S Penn, Indianapolis, Ind.
Sessions Foundry Co., Bristol, Conn.
Shunk Plow Co., Bucyrus, O.
South Bend Foundry Co., South Bend, Ind.
Stiles Foundry & Supply Co., Parkersburg, W. Va.
Thompson, J. & Co., c Van Horn & Sophia, Philadelphia, Pa.

Sewer Manhole Covers

(See Manhole Covers)

Sewer Manhole Steps

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Co-Operative Foundry Co., Detroit, Mich.
Maher & Flockhart, 62 Polk, Newark, N. J.

Sewer Pipe Machinery

(See Machinery, Sewer Pipe)

Sewer Pipe Mfrs.

American Clay Products Co., 138 Washington, Chicago, Ill.
AMERICAN CONCRETE CO., 80 Wil- liam, New York. (See adv. index, end of book)
American Sewer Pipe Co., Pittsburg, Pa.
Appleton Sewer Pipe Co., Appleton, Wis.
Argillo Works, Carbon Cliff, Ill.
Athens Fire Brick Co., Athens, Tex.
Avon Milling & Mfg. Co., Avon, Ill.
Bannon Brick & Sewer Pipe Co., Louisville, Ky.
Berthelet, H., Sewer Pipe Co. (Cement), Milwaukee, Wis.
Blackmer & Post Pipe Co., St. Louis, Mo.
Boynton, C. W., Sewaren, N. J.
Brocket, C. A. Cement Co., Kansas City, Mo.
Buckeye Fire Clay Co., Uhrichsville, O.
Buckeye Sewer Pipe Co., Akron, O.
Butte Sewer Pipe & Tile Co., Butte, Mont.
Carnegie Brick & Pottery Co., Montgomery Blk., San Francisco, Cal.
Central N. Y. Drain Tile Co., Syracuse, N. Y.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Chicago Sewer Pipe Co., 79 Dearborn, Chicago, Ill., & Brazil, Ind.
Clark, N. & Sons, San Francisco, Cal.
Clawson, L. H. & Co., San Francisco, Cal.
Cowden, F. H. & Son, Harrisburg, Pa.
Dee, Wm. E. Clay Mfg. Co., Royal Ins. bldg. Chicago, Ill. Works, Mecca, Ind.
Delaware Clay Mfg. Co., Delaware, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Sewer Pipe & Clay Co., Continental bldg, Denver, Colo.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
East Ohio Sewer Pipe Co., Irondale, O.
Eichelberger's, T. D. Sons, Dayton, O.
Evens & Howard Fire Brick Co. (Up to 36 Inches), 920 Market, St. Louis, Mo.
Excelsior Clay Works, Brazil, Ind.
Federal Clay Mfg. Co., B'way & 23rd, New York
FISKE & CO., (Inc.) (Dealers), 23 Arch, Boston, Mass., & Flat Iron bldg, New York. (See adv. index, end of book)
Georgia Vitrified Brick & Clay Co., Augusta, Ga.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal.; Works, Lincoln, Cal.
Iowa Pipe & Tile Co., Des Moines, Iowa.
Joliet Mound Drain Tile Co., Joliet, Ill.
Laclede-Christy Clay Products Co., St. Louis, Mo.
Lehigh Sewer Pipe & Tile Co., Fort Dodge, Ia.
Little Falls Fire Clay Co., Tacoma, Wash. Works: Little Falls, Wash.
Los Angeles Stoneware & Sewer Pipe Co., Los Angeles, Cal.
Louisville Brick & Tile Co., Louisville, O.
McNutt, Lewis, Brazil, Ind.
Mack Mfg. Co., Land Title bldg, Phila., Pa. Works, New Cumberland, W. Va.
Macomb Sewer Pipe Co., Macomb, Ill.
Monmouth Mining & Mfg. Co., Monmouth, Ill.
NATIONAL FIRE PROOFING CO., Fulton bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
National Terra Cotta Works, Washington, D.C.
New York Pottery Co., 849 B'way, New York
Northwestern Clay Co., New Windsor, Ill.
Owensboro Brick & Sewer Pipe Co., Owensboro, Ky.
Ohio River Sewer Pipe Co., Empire, O.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Patton Clay Mfg. Co., Patton, Pa.
Pittsburg-Buffalo Co., Pittsburg, Pa.
Pittsburg Sewer Pipe & Conduit Co., Pittsburg, Kan.
Pomona Terra Cotta Co., Pomona, N. C.
Post Pipe Co., Texarkana, Tex.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Reeve, Augustus, Camden, N. J.
Robinson Clay Product Co., Akron, O.
Rochester Sewer Pipe Co., Rochester, N. Y.
RUTLAND FIRE CLAY CO., Rutland, Vt (See adv. index & branch offices, end of book)
St. Marys Sewer Pipe Co. (3 to 36 inches), St. Marys, Pa
San Antonio Sewer Pipe Co., San Antonio, Tex.
Schuylkill Valley Clay Mfg. Co., Mutual Life bldg, Phila., Pa. Works, Shoemakerville, Pa.
Shawmut Clay Mfg. Co. ("Shawmut"), Drummond, Pa., & 182 B'way, New York
Southern Sewer Pipe Co., Birmingham, Ala.
Standard Sewer Pipe Co., Rochester, N. Y.
Steiger Terra Cotta & Pottery Works, San Francisco, Calif.
Steven's, H. Sons Co., Macon, Ga.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Uhl Pottery Co., Evansville, Ind.
Webster Bros., Shelbyville, Ill.
White Hall Sewer Pipe & Stoneware Co., White Hall, Ill.
Williams, N. A. Co., Chamber of Commerce bldg, Chicago, Ill.
Withycomb, Philip, North Yamhill, Ore.

Sewer Pipe Mfrs. (Cement)

AMERICAN CONCRETE CO., 80 Wil- liam, New York. (See adv. index, end of book)
Rhode Island Cement Drain Pipe Co. (Cement), 50 Valley, Providence, R. I.
Wilson & Baillie Mfg. Co. ("Konnocrete"), 29 Court, Brooklyn, N. Y.

Sewer Pipe Mfrs. (Reinforced Concrete)

Lock Joint Pipe Co., 165 B'way, New York
Reinforced Concrete Pipe Co., Jackson, Mich

Sewer Siphons

(See Flush Tank Manufacturers)

Sewing Machine Attachments

Russell Mfg. Co. (Button Sewers), Woolworth bldg, Lancaster, Pa.

Sewing Machine Mfrs.

Ames Mfg. Co., Chicopee, Mass.
Arlington Machine Works, Arlington, Mass.
Bauer Machine Co. (Lock Stitch), Jeffersonville, Ind.
Birch Bros., Somerville, Mass.
Chicago Wheel & Mfg. Co., 39 W Randolph, Chicago, Ill.
Clark-Fefel Mfg. Co., Frederick & Fayette, Baltimore, Md.

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Curtis & Marble Machine Co. (Railway), Worcester, Mass.
Davis Sewing Machine Co., Dayton, O.
Dinsmore Mfg. Co., Salem, Mass.
Fales, L. F. ("Maniplex"), Walpole, Mass.
Foley & Williams Mfg. Co., 46 E Jackson boul. Chicago, Ill.
Illinois Sewing Machine Co., Wabash & Randolph, Chicago, Ill.; Works, Rockford, Ill.
Industrial Mfg. Co., Camden, N. J.
King Sewing Machine Co., Buffalo, N. Y.
Kruse & Co., 162 W 23d, New York
Kruse & Murphy Mfg. Co., Park av & E 130th, New York
Leyland, Thos. & Co. (Wholeback), 60 India, Boston, Mass.
Lycoming Foundry & Machine Co., Williamsport, Pa.
Merchants Specialty Mfg. Co. ("Simplicity"), 259 Greenwich, New York
Metropolitan Sewing Machine Co., Nyack, N. Y.
Morley Button Sewing Machine Co., 133 Essex, Boston, Mass.
National Automatic Knitter Co., 125 N. 5th, Phila., Pa.
National Sewing Machine Co., Belvidere, Ill.
New Domestic Sewing Machine Co., 18 Exchange pl, New York
New Home Sewing Machine Co., Orange, Mass.
Simmons Hardware Co. ("Volo"), St. Louis, Mo.
Singer Sewing Machine Co., 149 B'way, New York
Smith & Egge Mfg. Co. (Automatic Hand), Bridgeport, Conn.
Standard Sewing Machine Co., Cleveland, O.
Stanley Mfg. Co. (Shoe Sewing), Boston, Mass.
Union Button Sewing Machine Co., 164 High, Boston, Mass
Union Special Machine Co., 75 E. Kinzie, Chicago, Ill.
White Co., Cleveland, O.
Wilcox & Gibbs Sewing Mach. Co., 658 B'way, New York
Williams Mfg. Co., Plattsburg, N. Y.

Sewing Machine Parts & Supplies

Sewing Machine Supplies Co., Boston, Mass.

Sewing Machines (Bag)

Union Special Machine Co., 75 E. Kinzie, Chicago, Ill.
Wilcox & Gibbs Sewing Mach. Co., 658 B'way, New York

Sewing Machines (Boot & Shoe)

Davis Sewing Machine Co., Davis & Linden av, Dayton, Ohio
Dunlap Machinery Co., 69 Beekman, New York
Fifield Shoe Machinery Co., 53 High, Boston, Mass.
Puritan Shoe Mfg. Co., 82 Lincoln, Boston, Mass.
Smith, Geo. A. Machinery Co., 415 Arch, Phila., Pa.
Stanley Mfg. Co., 99 Beach, Boston, Mass.
Tennis, A. H., 47 E 19th, New York
Treen-Sawyer Mfg. Co., Lynn, Mass.
Union Special Machine Co., 47 Leonard, New York
White Sewing Machine Co., Rose bldg. Cleveland, Ohio

Sewing Machines (Button Hole)

National Machine Co., Mamaroneck, N. Y.
Reece Button Hole Machine Co., Boston, Mass.
Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.

Sewing Machines (Carpet)

Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
Singer Sewing Machine Co., 149 B'way, New York
Taft Machine Co., Providence, R. I.

Sewing Machines (Chain Stitch)

Kruse & Murphy Mfg. Co., Park av & E 130th, New York
Metropolitan Sewing Machine Co., Nyack, N.Y.
Singer Sewing Machine Co., 149 B'way, New York
Smith & Egge Mfg. Co. ("Little Comfort," Hand), Bridgeport, Conn.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York

Sewing Machines (Glove)

Ahlstrom, O. J., 711 B'way, New York
Curtin-Hebert Mfg. Co., Gloversville, N. Y.
White Sewing Machine Co., Cleveland, O.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York
Williams Mfg. Co., Montreal, Canada.

Sewing Machines (Hat)

Durbrow & Hearne Mfg. Co., 12 Wooster, New York

Shackles (Chain)

Hayden-Corbett Chain Co., Columbus, O.
Laughlin, Thos. Co., Portland, Me.
McMillan's, W. H. Sons, 153 South, New York
Wilcox, Crittenden & Co. (Screw & Pin, etc.), Middletown, Conn.

*Shade Cloth Cutting Machines

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

Shade Cloth Mfrs.

Breneman, Chas. W. & Co., Cincinnati, O.
Columbia Shade Cloth Co., 27 W. 24th, New York
Minetto Shade Cloth Co., Oswego, N. Y.
Opaque Shade Cloth Co., Peoria, & W 121st, Chicago, Ill.
Oswego Shade Cloth Co. ("Chouaguen"), Oswego, N. Y.

*Shade Cord Mfrs.

(See also Cords, Trolley, Arc Lamp & Bell)
SAMSON CORDAGE WORKS, 88 Broad, Boston, Mass. (See adv. index, end of book)
SILVER LAKE CO., 78 Chauncy, Boston, Mass. (See adv. index, end of book)

Shades (Aluminum)

Dale Co., 352 W. 13th, New York.
Faries Mfg. Co., Decatur, Ill.
Tea Tray Co., Mulberry & Murray, Newark, N. J.

Shades (Car)

Boston Artificial Leather Co. ("Moroccoline"), Stamford, Conn.
Celluloid Co. ("Texordem"), 30 Washington pl., New York
Chase, L. C. & Co., Boston, Mass.
Curtain Supply Co., 85 Ohio, Chicago, Ill.
National Lock Washer Co., Newark, N. J.
Pantasote Co., 11 B'way, New York

Shades (Glass, Pressed or Blown)

Gillender & Sons (Inc.), 135 Oxford, Phila., Pa.
United States Glass Co., Pittsburg, Pa.

Shades (Glass & Metal)

McCreary, A. A. (Shades, Half Glass & Metal), 136 Liberty, New York
Salo Art Metal Co. (For Gas & Electric Portables), 19 Collier, Binghamton, N. Y.

Shades (Mirror Lined)

Bailey Reflector Co., 547 4th av, Pittsburg, Pa.
FRINK, ISAAC P., 551 Pearl St, New York. (See adv. index, end of book)

Shades (Paper)

Hohenstein, H. Co., 30 Waverly pl., New York
Utility Shade Co., Tenafly, N. J.
Whaley, J. A. & Co., 812 Greenwich, New York
Will & Baumer Co., 18 Murray, New York
Yost Electric Mfg. Co., Toledo, O.

Shades (Porch)

Comey, R. H. Co. ("Komi" Porch Curtains), Camden, N. J.
Hough Shade Corporation ("Vudor"), Janesville, Wis.

Shades (Prismatic)

Gilbert Prism Hood Co. (For Electric Lamps), 99 Warren, New York
Helophane Glass Co., Newark, Ohio
Welsbach Co., 922 Chestnut, Phila., Pa.

Shades (Silk)

Dale Co., 9th av & 13th, New York
FRINK, ISAAC P., 551 Pearl St, New York. (See adv. index, end of book)
Hohenstein, H. Co., 30 Waverly pl., New York
Whaley, J. A. & Co., 812 Greenwich, New York
Will & Baumer Co., 18 Murray, New York

Shades (Trolley Vestibule)

Electric Service Supplies Co., 1024 Fulbert, Phila., Pa.

Shades & Reflectors (Glass or Porcelain)

Acorn Shade & Reflector Co., Chicago, Ill.
Addison Glass Works, Addison, N. Y.
Alton Mfg. Co., Sandwich, Mass.
Cleveland Window Glass Co., Cleveland, Ohio
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Dayton Art Glass Works (Art Glass), Dayton, Ohio
Gilbert Prism Hood Co., New York
Gill & Co. (Washington Flint Glass Works), 2327 E. Thompson, Philadelphia, Pa.
Gillender & Sons (Inc.), 135 Oxford, Philadelphia, Pa.
Haskins Glass Co., Martins Ferry, Ohio.
Illuminating Engineering Co. ("Pagoda"), 201 E. 16th, New York
Kneeland Reflector Co., 18 Pitts, Boston, Mass
McCreary, A. A., 136 Liberty, New York
Murray, James J. & Co., c E Willard & Collins, Philadelphia, Pa.
National X-Ray Reflector Co., 247 Jackson boul, Chicago, Ill.
Pairpoint Corp'n, New Bedford, Mass.
Pettingell, Andrews Co., Boston, Mass.
Phoenix Glass Co. ("Electric & Gas"), 2d Nat'l Bank Bldg., Pittsburg, Pa., 13 Murray, New York
Sandwich Glass Co., Sandwich, Mass.
Shelby Electric Co., Shelby, Ohio
Sunlight Reflector Co., 141 Court, Brooklyn, N. Y.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.

Shades & Reflectors (Metallic)

American Reflector & Lighting Co. ("Paragon"), 199 E Van Buren, Chicago, Ill.
Bailey Reflector Co., 547 4th av, Pittsburg, Pa.
Baltimore Enamel & Novelty Co, cor. Allen & Clement, Baltimore, Md.
Berggreu Mfg. Co., St. Paul, Minn.
Chicago Lamp & Reflector Co., 319 S Canal, Chicago, Ill.
Curtis Leger Fixture Co. ("Poke Bonnet"), 240 Jackson boul., Chicago, Ill.
Cutter, George Co., South Bend, Ind.
Dale Co., 352 W. 13th, New York.
D'Olier, Henry, Jr., Co., 119 S 11th, Philadelphia, Pa.
Dorn, Philip ("Dawn"), Boston, Mass.
Faries Mfg. Co., Decatur, Ill.
Federal Electric Co., c. Lake & N. Desplaines, Chicago, Ill.
FRINK, ISAAC P., 551 Pearl, New York. (See adv. index, end of book)
Gleason, E. P. Mfg. Co., 37 Murray, New York
Globe Light & Heat Co., 218 La Salle, Chicago, Ill.
Hathaway Electric Co., New York
Hubbell, Harvey, Bridgeport, Conn.
Klemm & Co., 132 N 5th, Philadelphia, Pa.
McCreary, A. A. (Shades), 136 Liberty, New York
McLeod, Ward & Co., 27 Thames, New York.
MORSE, FRANK W., 516 Atlantic av., Boston, Mass. (See adv. index, end of book)
Ostrander, W. R. & Co., 22 Dey, New York.
Overbaugh & Ayres Mfg. Co. ("Omaco" Show Case Reflectors), 232 S. Clinton, Chicago, Ill.
Pardridge Shade & Reflector Co., Chicago, Ill.
Proctor-Raymond Mfg. Co. ("Hartwig"), 40 Larned, Detroit, Mich.
Roberts, H. C. Electric Supply Co. ("Crown"), 905 Arch, Philadelphia, Pa.
Sarco Co., 906 6th av., New York.
Schwartz & Silberman, 72 W B'way, New York

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Standard Electric & Chemical Co. ("Universal"), 224 S. Clinton, Chicago, Ill.
Tea Tray Co. ("Tidman," "Martin"), c. Mulberry & Murray, Newark, N. J
Vallee Bros. Electrical Co. ("Crescent"), 814 Arch, Philadelphia, Pa
Western Reflector Co., 315 W Lake, Chicago, Ill
Wheeler Reflector Co., 156 Pearl, Boston Mass
Yost Electric Mfg. Co. ("Fiberlite"), Toledo, Ohio

Shades & Reflectors (Mirror)

Acorn Shade & Reflector Co., 73 Ellen, Chicago, Ill.
American Reflector & Lighting Co. ("Paragon"), 52 W Jackson boul, Chicago, Ill.
Bailey Reflector Co., Pittsburg, Pa.
Chicago Lamp & Reflector Co. ("Blocks Brilliant"), 193 Wabash av, Chicago, Ill.
FRINK, ISAAC P., 551 Pearl, New York. (See adv. Index, end of book)
Klemm & Co., 132 N 5th, Philadelphia, Pa
Matthews, W. N. & Bro. ("Easy Light"), St. Louis, Mo.
National X-Ray Reflector Co. ("Helmet," "Poke," "Bonnet"), 240 Jackson boul, Chicago, Ill.
Overbaugh & Ayres Mfg. Co., 232 S Clinton, Chicago, Ill
Sunlight Reflector Co., 141 Court, Brooklyn N. Y
Tea Tray Co., c. Mulberry & Murray, Newark, N. J
Weekes, Nelson, 217 William, New York.
Western Reflector Co., 315 W Lake, Chicago Ill
Wheeler Reflector Co., 156 Pearl, Boston Mass

Shaft Straightening Machines

(See Machines, Shaft Straightening)

Shafting (Cold Drawn Steel)

AMERICAN STEEL & WIRE CO., Commercial Natl. Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Cambria Steel Co., Arcade bldg, Phila., Pa.
Columbia Steel & Shafting Co., Pittsburg, Pa.
Crucible Steel Co. of America, Frick bldg Pitttsburg, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Jones & Laughlin Steel Co. (Also Cold Rolled), Pittsburg, Pa.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo
Pardee, C. Works, Perth Amboy, N. J.
Pennsylvania Shafting Co., Spring City, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
UNION DRAWN STEEL CO., Beaver Falls, Pa., & 400 Washington, New York

Shafting Collars

BROWN, A. & F. CO., 25 Dey, New York Works, Elizabethport, N. J. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. Index, end of book)
Chain Belt Co., Milwaukee, Wis.
Cresson, Geo. V. Co., Allegheny av, W of 17th Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Falls Rivet & Machine Co., Cuyhoga Falls, O.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), Huntsville, Ala
Jones & Laughlin Steel Co. (Steel, Loose etc.), Pittsburg, Pa.
Keystone Drop Forge Works (Drop Forged Blanks, etc.), Chester, Pa
Klein, Chas. C., 2850 N Marshall, Phila, Pa.
Medart Patent Pulley Co. (Plain or Safety Type), St. Louis, Mo
Middletown Machine Co., Middletown, O.
PATTERSON, GOTTFRIED & HUNTER (Ltd.) ("Johnson" Safety, Solid & Split), 211 Centre, New York

PLATT IRON WORKS CO., (Set Collars, etc.), Dayton, O. (See adv. Index & branch offices, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Rhode Island Tool Co. (Cold Punched), Providence, R. I.
Smith, M. I. (Split & Solid), Bristol, Conn.
Standard Pressed Steel Co. ("Hallowell." Cold Rolled Steel), 20th & Clearfield, Phila., Pa.
Williams, J. H. & Co. (Drop Forged), 11 Hamilton av, Brooklyn, N. Y.
Wood's, T. B. Sons Co. (Safety Set), Chambersburg, Pa.

Shafting (Heavy Forged Steel)

Bethlehem Steel Co. (Solid or Hollow), South Bethlehem, Pa.
Cambria Steel Co., Arcade bldg., Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Pennsylvania Steel Co., Girard bldg., Phila., Pa.
Philadelphia Forge Co., 50 Church, New York
Pittsburg Forge & Iron Co., Pittsburg, Pa.
Reading Iron Co., Reading, Pa.

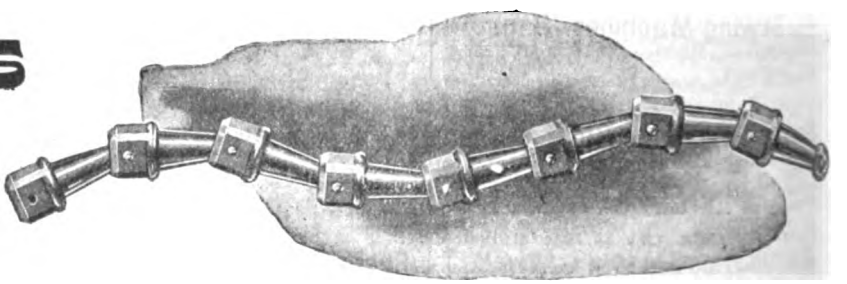
Shafting (Hollow Seamless Steel)

Dodge Mfg. Co., Mishawaka, Ind.
National Tube Co. ("Shelby"), Pittsburg, Pa.
Standard Seamless Tube Co., Ellwood City, Pa.

Shafting (Iron & Steel)

(The Firms under this heading all Make Shafting)
American Bridge Co. (Open Hearth Steel), Pittsburg, Pa.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Braeburn Steel Co. (Steel Only), Braeburn, Pa.

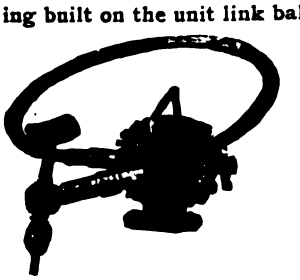
COATES



Flexible Shaft Outfits

1-10 TO 150 H. P. ALL THE SAME TO US.

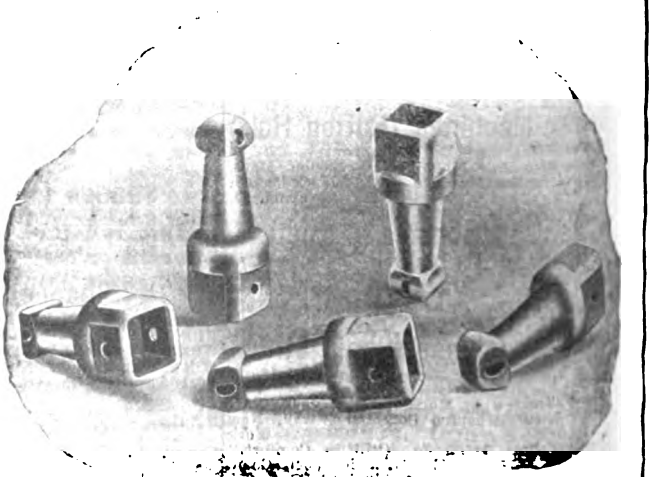
Both motor and belt-driven outfits. Flexible shafting built on the unit link ball-bearing type. Run it in either direction. Used for Drilling, grinding, buffing, varnish rubbing, sand papering, etc.



Get after us, so that we may get after you.

Coates Clipper Mfg. Co.

Worcester, Mass., U. S. A.



CONSTRUCTION OF COATES SHAFT

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Cambria Steel Co. (Steel Only), Arcade bldg, Phila., Pa.
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Md.
Illinois Steel Co. (Steel Only), 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co. (Steel Only), Pittsburg, Pa.
Judson Mfg. Co. (Iron), San Francisco, Cal.
Licking Rolling Mill Co. (Iron Only), Covington, Ky.
Lockhart Iron & Steel Co., Pittsburg, Pa.
Penn Iron Co. (Iron only), Lancaster, Pa.
Pennsylvania Steel Co. (Steel Only), Girard bldg, Philadelphia, Pa.
Reading Iron Co., Reading, Pa.

Shafting (Polished Steel)

AMERICAN STEEL & WIRE CO., Commercial Natl. Bank bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Bliss & Laughlins (Keyseated & Fitted with Couplings), Harvey, Ill.
Brightman Mfg. Co. (¼ to 6 inches, inclusive), Shelby, O.
BROWN, A. F. & CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Buffalo Steel Shafting Works, ft Baltz av, Buffalo, N. Y.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Columbia Steel & Shafting Co., Pittsburg, Pa.
Compressed Steel Shafting Co., 393 Dorchester av, Boston, Mass.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Crucible Steel Co. of America, Frick bldg, Pittsburg, Pa.
Cumberland Steel Co. (Turned & Ground), Cumberland, Md.
Dodge Mfg. Co., Mishawaka, Ind.
Finished Steel Co., Youngstown, O.
Fitzsimmons & Co., Cleveland, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Medart Patent Pulley Co., St. Louis, Mo.
Penn Shafting Co., Spring City, Pa.
Pittsburg Shafting Co. of Detroit, Detroit, Mich.
Pennsylvania Steel Co. (1 to 5 15-16 ins. in diameter) Girard bldg, Phila., Pa.
Republic Iron & Steel Co. ("Acme"), Pittsburg, Pa.
UNION DRAWN STEEL CO., Beaver Falls Pa., & 400 Washington, New York

Shafting (Turned)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Tool & Machine Co. (Iron), 109 Beach, Boston, Mass.
BROWN, A. & F. CO. (Steel), 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Cleveland City Forge & Iron Co., Cleveland, O.
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Md.
Dodge Mfg. Co., Mishawaka, Ind.
Medart Patent Pulley Co. (Steel), 3500 De Kalb, St. Louis, Mo.
Pittsburg Shafting Co. of Detroit (Steel), Detroit, Mich.
PLATT IRON WORKS, CO., Dayton, O. (See adv. index & branch offices, end of book)
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)
Tioga Steel & Iron Co., 52d & Gray's av, Phila., Pa.
Titusville Forge Co. (Forged 10 lbs. to 20 Tons) Titusville, Pa
UNION DRAWN STEEL CO. (Steel), Beaver Falls, Pa., & 400 Wash'n, New York

Shafts (Flexible)

CHICAGO FLEXIBLE SHAFT CO., La Salle av & Ontario, Chicago, Ill. (See adv. index & branch offices, end of book)
COATES CLIPPER MFG. CO. ("Coates" Unit Link), Worcester, Mass. (See adv. index, end of book)
Gem Mfg. Co. ("Gem"), Spruce nr 33d, Pittsburg, Pa
Stow Flexible Shaft Co., N 26th & Buttonwood Philadelphia, Pa.
Stow Mfg. Co., Binghamton, N. Y.
Webb Mfg. Co., Newark, N. J.

*Shafts (Flexible, Boat, Sand Papering & Varnish Rubbing)

COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index, end of book)

*Shafts (Flexible, Stone Polishing)

COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index, end of book)

Shafts (Key Seating)

Dodge Mfg. Co., Mishawaka, Ind.
Judson Mfg. Co., San Francisco, Cal.
Lockhart Iron & Steel Co., McKees Rocks, Pa.
Pardee, C., Works (Unfinished), Perth Amboy.
Penn Iron Co. (Iron), Lancaster, Pa. N. J.
Pittsburg Steel Shafting Co., Braddock, Pa.
Reading Iron Co., Reading, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. (See adv. index, end of book)
UNION DRAWN STEEL CO., Beaver Falls, Pa., & 400 Washington, New York

Shampoos

Edwardsville Brass Co., Edwardsville, Ill.

*Shanks (Carrying)

ANDERSON FORGE & MACHINE CO. (Double & Single), 271 Guoin, Detroit, Mich. (See adv. index, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Shapes (Pressed Metal)

American Pulley Co., 29th c. Bristol, Phila., Pa.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.

Shares (Plow & Lister)

Crescent Forge & Shovel Co. (Plow), Havana, Ill.
Havana Metal Wheel Co. ("Crescent"), Havana, Ill.
Star Mfg. Co., Carpentersville, Ill..
Weyburn Co., Rockford, Ill.

Sharpeners (Disc)

R. B. Mfg. Co., Davenport, Ia.
Benecia Iron Works ("Peerless"), Benecia, California
Chicago Wheel & Mfg. Co. (Gem), Chicago, Ill
Clark Mfg. Co. (Moline), Moline, Ill.
Clizbe Bros. Mfg. Co. (Plymouth), Plymouth, Ind.
Deere & Mansur Co., Moline, Ill.
Durner, A. E. ("Wonder," "Little Giant"), Evansville, Wis.
Hammond, R. M. Co. ("Perfection," With Emery Stand Attachment), Dellvale, Kan.
Herschel, R. Mfg. Co. (Reliable), Peoria, Ill.
Kane Bros. & Co., Warren, Ill.
Lancaster Mfg. Co. ("New Lancaster"), Masillon, Ia.
Luther, C. J. Co. ("American" & "Star"), Port Washington, Wis.
Murray Iron Works Co. ("Monarch"), Burlington, Ia.
Novelty Mfg. Co., Rock Island, Ill.
Rock Island Plow Co., Rock Island, Ill.
Schofield & Co. ("Daisy"), Freeport, Ill.
Shipp & Dickerson ("Winner"), Itenner, Tex.
Skow Bros. ("Skow"), Newton, Iowa
Wenzelman Mfg. Co. ("Farmers' Delight"), Streator, Ill.

Sharpeners (Dowel)

Smith, H. B., Machine Co., Smithville, N. J.
Stanley Rule & Level Co., New Britain, Conn.

Sharpeners (Drill)

Brossoit, James J. ("Numa"), Salt Lake City, Utah
Eclipse Drill Sharpening Machine Mfg. Co. ("Eclipse"), Denver, Colo.
Leyner, J. G. Engineering Works Co., Littleton, Colo.
Lund, P. H. (Pneumatic), Denver, Col.
Proske, T. H. ("Ajax"), Denver, Col.
Word Bros., 60 Castro, San Francisco, Cal.

*Sharpeners (Drill Steel)

INGERSOLL-RAND CO. ("Ajax"), 11 B'way, New York. (See adv. index & branch offices, end of book)

Sharpeners (File)

(See also File Sharpening Machines)
American File Sharpener Co. ("American"). 287 B'way, New York

Sharpeners (Floor Scraper)

Weber Mfg. Co. ("Weber" Automatic), West Allis, Wis.

Sharpeners (Knife)

American Cutlery Co. ("The Only"), 193 Mather, Chicago, Ill.
Cassady-Fairbank Mfg. Co. (Emery & Corundum), 610 La Salle, Chicago, Ill.

Sharpeners (Lawn Mower)

Arcade Mfg. Co. ("Schofield" Lawn Mower Grinder), Freeport, Ill.
Chicago Wheel & Mfg. Co. ("Chicago," "Eureka," "Gem," "Peoria"), 336 W Monroe, Chicago, Ill.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Coldwell Lawn Mower Co. ("Coldwell"), Newburgh, N. Y.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Heath Foundry & Mfg. Co. ("Ideal" Grinder), Plymouth, Ohio
National Mach. & Stamping Co., Detroit, Mich.
Osborn Mfg. Co. ("Osborn"), Cleveland, O.
Royal Mfg. Co., 408 Commerce, Phila., Pa.
Springer, E. C. & Co., Mason City, Ia.
Wilcox Mfg. Co. ("Wilcox"), Aurora, Ill.

Sharpeners (Mower Knife)

(See Grinders, Sickle & Mower Knife)

Sharpeners (Pencil)

Automatic Pencil Sharpener Co. ("U. S. Automatic"), Spring & Crosby, New York.
Cook, F. H. & Co. ("Gem"), Leominster, Mass.
North American Supply Co. ("N. A."), Columbus, Ohio
Webster, F. S. Co. ("Webster"), Boston, Mass.
Weeks, A. A. Mfg. Co. ("Handy"), 11 Gold, New York

Sharpeners (Saw)

(See also Saw Sharpening Machines; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines)
Atkins, E. C. & Co., Indianapolis, Ind.
COVEL MFG. CO. (Band Saw, etc.), Benton Harbor, Mich. (See adv. index, end of book)
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Hanchett Swage Wks. ("Hanchett" Automatic), Big Rapids, Mich.
Matteson Mfg. Co., 128 S Clinton, Chicago, Ill.
Nutter, Barnes & Co. (Automatic), Boston, Mass.
Riverside Iron Works ("Crescent"), Kokomo, Indiana
Rotary File & Machine Co. ("Ideal"), 589 Kent av, Brooklyn, N. Y.
Star Corundum Wheel Co. (Automobiles.), Detroit, Mich
Wickes Bros. (Hand, etc.), Saginaw, Mich.

*Sharpeners (Skate)

OSBORN MFG. CO. ("File 'em Quick"), 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)

Sharpeners (Tool)

Walker, Oakley S. & Co. ("Globe," for Machine Tools), Worcester, Mass.

*Sharpeners (Toe Calk)

COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index, end of book)

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Shavers (Ice)

(See also Ice Cube Cutting Machines)

Arcade Mfg. Co., Freeport, Ill.
Blakeslee, G. S. & Co., 325 Dearborn, Chicago, Ill.
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.
Erie Specialty Co. ("Walker's"), Erie, Pa.
Gilchrist Co. ("Yankee" Steel), Newark, N. J.
Griswold Mfg. Co., Erie, Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
North Bros. Mfg. Co., Lehigh av & American, Philadelphia, Pa.
Reinhold Mfg. Co. ("Jumbo"), Detroit, Mich.
Schutte, E. G. & Co. ("Schutte"), 230 Stark, Cincinnati, Ohio
Stortz, John & Son, 210 Vine, Phila., Pa.

Shavers (Smoked Beef)

Blakeslee, G. S. & Co. ("Blakeslee"), 325 Dearborn, Chicago, Ill., & 260 B'way, New York
Enterprise Mfg. Co., 3d & Dauphin, Phila., Pa.

Shaves (Spoke)

Chaplin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co., Cincinnati, Ohio
Goodell-Pratt Co., Greenfield, Mass.
Johnson, Wm. (Hedenberg Works), (Wood).
Mack & Co., Rochester, N. Y. Newark, N. J.
Miller's Falls Co., 28 Warren, New York. Works: Miller's Falls, Miss.
Ohio Tool Co., Columbus, Ohio
Osborne, C. S. & Co. ("C. S. O. & Co." Harness Makers, etc.), Harrison, N. J.
Smith, Seymour & Son, Oakville, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Stearns, E. C. & Co., Syracuse, N. Y.
Stortz, Jno. & Son, 210 Vine, Philadelphia, Pa.
Tatum, Sam'l C. Co., Cincinnati, Ohio

Shavings (Baled)

Alliger, F. I. Lumber Co., Tonawanda, N. Y.
Butts, Chas. G. Co., North Tonawanda, N. Y
Empire Lumber Co., Winona, Minn.
Page, Geo, B. Box Co., Cambridge, Mass.
Osgood, Blodgett Mfg. Co., St. Paul, Minn.

Shavings (Vinegar & Brewers')

Kelso & Co. (Clarifying), 209 S Clinton, Chicago, Ill
Redlich Mfg. Co., 2 Oak, Chicago, Ill.

Shavings (Zinc)

Braun, F. W., Los Angeles, Cal.
Calkins Co., Los Angeles, Cal.
Denver Fire Clay Co., Denver, Col.
Pacific Tank Co. (for Gold, Silver Precipitation), Los Angeles, Cal.

Shears

(Under this Heading see Sub-classifications)
(See also Machinery, Punching & Shearing, also Punches, Various Kinds)

Shears (Alligator)

American Roll & Foundry Co., Canton, O.
CANTON FOUNDRY & MACHINE CO. ("Universal"), Canton, O. (See adv. index, end of book)
CARLIN'S, THOS. SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)
Danville Foundry & Machine Co., Danville, Pa.
Evans, John Sons, 13th & Buttonwood, Phila., Pa.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Rock River Machine Co. ("Badger" Belt Driven), Janesville, Wis.
Scaife Foundry & Machine Co. (Crocodile), Pittsburg, Pa.
Sutton, C. E. Co., Toledo, O.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Shears (Angle Iron)

Alliance Machine Co., Alliance, O.
Badger State Machine Co., Janesville, Wis.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Bertsch Machine Co., Cambridge City, Ind.
BLISS, E. W. CO., 19 Adams, B'klyn, New York. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Hilles & Jones Co., Wilmington, Del.
Long & Allstatter Co. (Steam, Belt or Motor Driven, Double or Single Geared & on Turntable), Hamilton, O.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Pels, Henry & Co. ("John's" Patent), 90 West, New York
Perkins Machine Co., Warren, Mass.
Phila. Roll & Machine Co., 23d & Wash'n av, Phila., Pa.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Royersford Fdry & Machine Co., Royersford, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Sutton, C. E. Co. (Single & Double Power), Toledo, Ohio
Toledo Machine & Tool Co., Toledo, O.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa., & Youngstown, O.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Whiting, Geo. C. 156 W. North av., Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Shears (Bar & Plate)

Alliance Machine Co., Alliance, O.
American Roll & Foundry Co., Canton, O.
Badger State Machine Co., Janesville, Wis.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Garrison, A., Foundry Co., Pittsburg, Pa.
Long & Allstatter Co. (Bar Iron, Steam, Belt or Motor Driven), Hamilton, O.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
Newbold, R. S. & Son Co., Norristown, Pa.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Philadelphia Roll & Machine Co., 23d & Wash., Phila., Pa.
Phillips & McLaren, Pittsburg, Pa.
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index & branch offices, end of book)
Rock River Machine Co. ("Badger" Bar & Round Iron Shears), Janesville, Wis.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.
Sutton, C. E. Co., Toledo, O.
United Engineering & Foundry Co., Pittsburg, Pa., & Youngstown, O.
Whiting, Geo. Co. 156 W. North av., Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co (Hydraulic), 400 Chestnut, Philadelphia, Pa.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Shears (Beam & Channel)

(See Shears, Angle Iron)

Shears (Bench)

Merwin Mfg. Co., Erie, Pa.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Oliver, W. W. Mfg. Co. (Jewelers), 1483 Niagara, Buffalo, N. Y.
Viking Shear Co. ("Viking"), Erie, Pa.

Shears (Beveling)

Badger State Machine Co., Janesville, Wis.
BLISS, E. W. CO., 19 Adams, B'lyn, N. Y. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR WORKS Co., 1306 E. 40th, Cleveland, O. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Hilles & Jones Co., Wilmington, Del.
Long & McAllstatter Co. (Boiler Plate, etc.), Hamilton, O.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Plate Beveling), Warren, Mass.
Ryerson, Jos. T. & Son ("Lennox" Rotary), 16th & Rockwell, Chicago, Ill
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
United Engineering & Foundry Co. (For Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.

Shears (Billet & Bloom)

Alliance Machine Co., Alliance, O.
American Roll & Foundry CVo. (Billet), Canton, O.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, B'klyn, New York. (See adv. index, end of book)
CLEVELAND PUNCH & SHEAR Works, Cleveland, O. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Lewis Foundry & Machine Co., Corsopolis, Pa.
Long & McAllstatter Co. (Belt, Motor or Steam Driven), Hamilton, O.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO. (Duplex, Hydraulic & Electric), Alliance, O. (See adv. index, & branch offices, end of book)
New-Doty Mfg. Co. (Heavy Motor Driven), Janesville, Wis.
Phillips & McLaren, 24th & Smallman, Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

Shears (Brushmakers')

Stortz, John & Son, 210 Vine, Phila., Pa.

Shears (Circle)

Badger State Machine Co., Janesville, Wis
BLISS, E. W. CO., 19 Adams, B'klyn, New York. (See adv. index, end of book)
Gould & Eberhardt, Newark, N. J.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (For Metal), 157 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co. (Metal), Warren, Mass.
Ryerson, Jos. T. & Son (Hand & Power), 16th & Rockwell, Chicago, Ill
Stoll, D. H. Co., Buffalo, N. Y.
Toledo Machine & Tool Co., Toledo, Ohio
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn

Shears (Clipping)

United Engineering & Foundry Co. (For Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.

Shears (Cotton Bale)

Draper Co., Hopedale, Mass.

Shears (Crocodile)

(See Shears, Alligator)

Shears (Doubling Plate & Sheet Mill)

Aetna Foundry & Machine Co., Warren, O.
Fischer Foundry & Machine Co., Ford City, Pa.
Lewis Foundry & Machine Co., Corsopolis, Pa
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Philadelphia Roll & Machine Co., 23d & Wash., Phila., Pa.
Phillips & McLaren, Pittsburg, Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

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Shears for Heavy Boiler Plates, Etc.

BLISS, E. W. CO., 19 Adams, B'lyn, N. Y. (See adv. index, end of book)
BRAUN, J. G., 322 S. Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)
Queen City Punch & Shear Co., 208 Lawrence, Cincinnati, O.

Shears for Sheet Metal Work

BLISS, E. W. CO., 19 Adams, B'lyn, N. Y. (See adv. index, end of book)
BRAUN, J. G., 322 S. Paulina, Chicago, Ill., & 537 W 35th, New York. (See adv. index, end of book)
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Queen City Punch & Shear Co., 208 Lawrence, Cincinnati, O.
Stoll, D. H. Co., Buffalo, N. Y.

Shears (Cate or Guillotine)

Alliance Machine Co., Alliance, O.
Danville Foundry & Machine Co., Danville, Pa.
Fischer Foundry & Machine Co., Ford City, Pa.
Cincinnati Punch & Shear Co., 1416 Plum, Cincinnati, O.
CLEVELAND PUNCH & SHEAR Works Co., Cleveland, O. (See adv index, end of book)
Long & Allstatter Co. (Gate Shears, Motor, Belt or Steam Driven & Double or Single Geared), Hamilton, O
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Williams, White & Co. (Gate Shears), Moline, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Shears (Grass)

(See Shears, Sheep, Grass, Etc.)

Shears (Hand)

Bertsch & Co., Cambridge City, Ind.
Kane & Roach, Syracuse, N. Y.
Lewthwaite, T. H., 413 E. 31st, New York
Marshall Son & Co., Boston, Mass.
NIAGARA MACHINE & TOOL Works (For Sheet Metal), Buffalo, N. Y. (See adv. index, end of book)
Novelty Iron Works (G. E. Davis, Prop.), "Victor"), Dubuque, Iowa
Pels, Henry & Co., 90 West, New York.
Perkins Machine Co. (Metal), Warren, Mass.
Smith & Egge Mfg. Co. ("Eureka" for Cutting Wire, Rods & Strip Metal), Bridgeport, Conn
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Shears (Hoof)

Champion Tool Co. ("Champion" Ball Bearing), Meadville, Pa.

Shears (Horse Clipping)

Clauss Shear Co. ("Clauss"), Fremont, O.
Columbian Cutlery Co., Reading, Pa.
Smith, J. Barton Co., N Norris & Hope, Phila., Pa.
National Cutlery Co. ("National" Roaching), Westmoreland & Boudinot, Phila., Pa.
Wiss, J. & Sons Co., Newark, N. J.

Shears (Hydraulic)

Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
DUDGEON, RICHARD, 24 Columbia, New York. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Maryland Steel Co., Sparrows Point, Baltimore, Md.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO., Alliance, O. (See adv. inex. & branch offices, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Machine Co., S 23d & Washington av, Phila., Pa.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (for Tin, Bar, Bloom, Slab, etc.), Farmers' Bank bldg, Pittsburg, Pa.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Wood, R. D. & Co. (Multiple Power Plate Shear), 400 Chestnut, Philadelphia Pa.
Wood, Wm. H., Media, Pa.

Shears (Lever)

Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
Birmingham Iron Foundry, Derby, Conn.
CARLIN'S, THOS. SONS CO. ("Alligator"), 1610 River av, North Side), Pittsburg, Pa. (See adv. index, end of book)
Crane, W. W. Foundry & Machine Works, Auburn, N. Y
Detroit Shear Co. ("Searight" Compound Lever Mechanics), Detroit, Mich.
Edwards, C. D., Albert Lea, Minn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fischer Foundry & Machine Co., Ford City, Pa.
Fulton Iron Works ("Detroit" Compound Lever), Detroit, Mich.
Garrison, A. Foundry Co. ("Alligator" Heavy), Pittsburg, Pa.
HEARTLEY MACHINE, VARIETY IRON & Tool Works (Hand Lever), Toledo, O. (See adv. index, end of book)
Lewis Foundry & Machine Co. (Rolling Mill), Coraopolis, Pa.
Lewthwaite, T. H., 413 E 31st, New York
National Machinery Co., Tiffin, O.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Philadelphia Roll & Machine Co. (For Scrap & Old Boiler Shells, etc.), S 23d & Wash'n av, Phila., Pa.
Pittsburg Iron Works, Westinghouse bldg., Pittsburg, Pa.
Rock River Machine Co. ("Badger") Janesville, Wis.
Robinson, J. M. Mfg. Co. (Slitting), 3282 Spring Grove, Cincinnati, O.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (For Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

*Shears (Muck Bar)

BLISS, E. W. CO., 19 Adams, B'lyn, lyn, N. Y. (See adv. index, end of book)

Shears (Paper Box Makers')

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)
Hinze, H., Tribune bldg., New York.
Jacques, Jno. & Son, Worcester, Mass.
KNOWLTON, M. D., CO., Rochester, N. Y. (See adv. index, & branch offices, end of book.)

Shears (Paper Hangers')

Clauss Shear Co. ("Clauss"), Fremont, O.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Wiss, J. & Sons Co., Newark, N. J.

Shears (Plate Splitting)

(See Shears, Splitting or Plate)

Shears (Power)

Alliance Machine Co., Alliance, O.
Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Cincinnati Punch & Shear Co., 1416 Plum, Cincinnati, O.
Fischer Foundry & Machine Co., Ford City, Pa.
Gowanda Agricultural Works (For Cutting Sheet Steel, 20-24 inch), Gowanda, N. Y.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Mackintosh-Hemphill & Co., Pittsburg, Pa.
MORGAN ENGINEERING CO., Alliance, O (See adv. index & branch offices, end of book)
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
Niles-Bement-Pond Co., 111 B'way, New York
PRENTISS TOOL & SUPPLY CO., 115 Liberty, New York. (See adv. index, & branch offices, end of book.)
Queen City Punch & Shear Co., Cincinnati, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Sellers, Wm. & Co. (Inc.), 1600 Hamilton, Philadelphia, Pa.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Sutton, C. E. Co., Toledo, O.
Torrington Mfg. Co., Torrington, Conn.
Toledo Machine & Tool Co., Toledo, O.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 50 Church, New York. (See adv. index, end of book)
Williams, White & Co., Moline, Ill.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, *Mass. (See adv. index, end of book)

Shears (Pruning)

Carver Tool Works ("Carver's"), Spring Valley, N. Y.
Clauss Shear Co. ("Clauss Buckeye"), Fremont, O.
Columbian Cutlery Co., Reading, Pa.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Clyde Cutlery Co. (Hedge, etc.), Clyde, O.
Davy Spring Seat Co. (Duesler), Mohawk, N. Y.
Denison Mfg. Co. ("Denison"), Warren, O.
Eichelman, C. W., Rochester, N. Y.
Field Force Pump Co. ("The Niagara" & "Henry"), Elmira, N. Y.
Henry, John T. Mfg. Co., Hamden, Conn.
Henry & Allen (Pruning Knives), Auburn, N. Y.
International Cutlery Co. ("New Buckeye"), Fremont, O.
Kohler, F. E. & Co. (California Pattern), Can-
Little Giant Mfg. Co., Saugatuck, Mich. ton, O.
Nagley Mfg. Co. ("Diamond"), Lyons, N. Y.
Ney, V. L. Co., Canton, O.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Rhodes Mfg. Co. ("Rhodes" Double Cut), Grand Rapids, Mich.
Smith, Seymour & Son (Royal, Concord, Taylor, Levin, Ideal, California, Rockdale & Standard), Oakville, Conn.
Wiss, J. & Sons Co. (Solid Steel), Newark, N. J.

Shears (Rotary)

Badger State Machine Co., Janesville, Wis.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, New York. (See adv. index, end of book)
Detrich & Harvey Mach. Co. (Slitting), Baltimore, Md.
Ham, L. M. & Co., 152 Portland, Boston, Mass.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Hilles & Jones Co., Wilmington, Del.
Lennox Machine Co. (Beveling & Splitting), Marshalltown, Ia.
Michigan Machinery Mfg. Co. ("Michigan"), Ypsilanti, Mich.
Morgan Construction Co., Worcester, Mass.
Newbold, R. S. & Son Co., Norristown, Pa.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (Slitting), 157 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson, Jos. T. & Son ("Lennox"), 16th & Rockwell, Chicago, Ill.
Standard Machinery Co., Providence, R. I.
Stoll, D. H. Co., Buffalo, N. Y.
Sutton, C. E. Co., Toledo, O.
Toledo Machine & Tool Co., Toledo, O.

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Union Foundry & Machine Co., Pittsburg, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.

Shears (Rotary Circle)

BLISS, E. W. CO., 19 Adams, B'lyn, N. Y. (See adv. index, end of book)
Perkins Machine Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Shears (Rotary, Pipe Cutting)

Fischer Foundry & Machine Co., Ford City, Pa.
Newbold, R. S. & Son Co., Norristown, Pa.
Ryerson, Jos. T. & Son ("Lennox" Rotary Throat), 16th & Rockwell, Chicago, Ill.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Shears (Rotary Slitting)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Detrick & Harvey Mach. Co., Baltimore, Md.
Lenox Machine Co., Marshalltown, Iowa
NIAGARA MACHINE & TOOL CO., Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co., 157 Oraton, Newark, N. J.
Standard Machinery Co., Providence, R. I.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.

Shears (Scrap)

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
CARLIN'S THOS. SONS CO., 1010 River av., North Side, Pittsburg, Pa. (See adv., index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Shears (Sheep, Grass & Hedge)

Columbian Cutlery Co., Reading, Pa.
Delaware Shear & Mfg. Co., Wilmington, Del.
Dunn Edge Tool Co., Oakland, Me.
Gay, Geo. E. ("Uncle Sam"), Augusta, Me.
Gowanda Agricultural Works (Dog or Sheep), Gowanda, N. Y.
Keiser Mfg. Co., Reading, Pa.
Smith, J. Barton Co., Norris & Hope, Phila., Pa.
Taylor, Geo. P. & Co. ("Boston" Grass Shears), Clinton, Mass.

Shears (Slitting)

Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book.)
CLEVELAND PUNCH & SHEAR WORKS Co., 1306 E 40th, Cleveland, O. (See adv. index, end of book)
Detrick & Harvey Machine Co. (Rotary), Baltimore, Md.
DUDGEON, RICHARD (Hydraulic), 24 Columbia, New York. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Keene, Geo. C. & Co., Cincinnati, O.
Kidder, J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Lewis Foundry & Machine Co., Corsopolis, Pa.
Mersick, C. S. & Co. (Compound Lever & Pinion), New Haven, Conn.
Michigan Machinery Mfg. Co. (Gang Slitters), Ypsilanti, Mich.
NIAGARA MACHINE & TOOL Works (Hand Slitting), Buffalo, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (Also Rotary Slitting), 157 Oraton, Newark, N. J.
Pawtucket Mfg. Co., (52-Inch), Pawtucket, R. I.
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
St. Louis Machine Tool Co., St. Louis, Mo.
Star Forge Co. ("Star" Hand Power), Buffalo, N. Y.
Stoll, D. H. Co., Buffalo, N. Y.
Sutton, C. E. Co., Toledo, O.
Union Fdry. & Mach. Co., W Carson, Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.
Whelan, D. J. (Est. of) (Rotary), Troy, N. Y.
Whiting, Geo. Co., 156 W North av, Chicago, Ill.

Shears (Splitting or Plate)

Alliance Machine Co., Alliance, O.
Bertsch & Co. ("Universal"), Cambridge City, Ind.
CLEVELAND PUNCH & SHEAR WORKS Co., Cleveland, O. (See adv. index, end of book)
Fischer Foundry & Machine Co., Ford City, Pa.
Long & Allstatter Co. (Steam, Belt or Motor Driven), Hamilton, O.
New Doty Mfg. Co. (Hand & Power), Janesville, Wis.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y. (See adv. index, end of book)
Rock River Machine Co. ("Badger," Steel Slitting, Hand or Power), Janesville, Wis.
Ryerson, Jos. T. & Son ("Lennox" Rotary), 16th & Rockwell, Chicago, Ill.
United Engineering & Foundry Co., Farmers' Bank bldg., Pittsburg, Pa.
Williams, White & Co., Moline, Ill.
Wood, R. D. & Co. (Hydraulic), 400 Chestnut, Philadelphia, Pa.

Shears (Squaring)

Aetna Foundry & Machine Co. (For Tin & Sheet Mills), Warren, O.
American Roll & Foundry Co. (For Sheet & Tin Plate), Canton, O.
Ams, Max Machine Co. (Can Makers, etc.), Mount Vernon, N. Y.
Ayars Machine Co. (For Can Making, etc.), Salem, N. J.
Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge, Ind.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book.)
Excelsior Tool Machine Co. ("Exclusive" Double Geared), East St. Louis, Ill.
Fischer Foundry & Machine Co., Ford City, Pa.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Johnson, Israel H., Jr., Co., Phila., Pa.
Lay & Nawrath Co. (Foot & Belt Power) Newark, N. J.
Lewis Foundry & Machine Co., Corsopolis, Pa.
Mesta Machine Co., Lewis blk, Pittsburg, Pa.
Michigan Machinery Mfg. Co. ("Michigan"), Ypsilanti, Mich.
MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch office, end of book)
New Doty Mfg. Co., Zanesville, Wis.
NIAGARA MACHINE & TOOL W'KS, Buffalo, N. Y. (See adv. index, end of book)
NORTH AMERICAN METALINE CO., 4 West av., Long Island City, N. Y. (See adv. index, end of book)
Ohl, Geo. A. & Co. (Heavy & Light), 157 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co. (For Sheet Metal), Southington, Conn.
Perkins Machine Co. (Metal Squaring & Circle), Warrent, Mass.
Phillips & McLaren, Pittsburg, Pa.
Stoll, D. H. Co., Buffalo, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Union Foundry & Machine Co., W Carson st, Pittsburg, Pa.
United Engineering & Foundry Co. (For Tin Plate & Rolling Mills), Farmers' Bank bldg, Pittsburg, Pa.
Vulcan Foundry & Machine Co., New Castle Pa
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn
Whiting, Geo. Co., 156 W. North av., Chicago, Ill
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Shears (Tobacco)

Black, John B. ("Brady's"), Chester, Pa.
Nagley Mfg. Co. (Cutting Tobacco in the Field), Lyons, N. Y.

Shears (Vertical)

Lewis Foundry & Machine Co., Corsopolis, Pa.
National Machinery Co., Tiffin, O.
Union Foundry & Machine Co., Pittsburg, Pa.
United Engineering & Foundry Co. (For Rolling Mills), Pittsburg, Pa.

Shears (Wire Rod, Etc.)

Smith & Egge Mfg. Co. ("Eureka"), Bridgeport, Conn., & 62 Reade, New York

Shears & Punches (Combined)

Armstrong-Blum Mfg. Co. ("Marvel," Hand or Lever), 104 N. Francisco, Chicago, Ill.
Badger State Machine Co., Janesville, Wis.
Hibbard, Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Kelby Mfg. Co., Cleveland, O.
Sutton, C. E. Co., Toledo, O.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Shears & Scissors

Acme Shear Co., Bridgeport, Conn.
American Shear & Knife Co. (Shears), Hotchkissville, Conn.
Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Atlas Shear Co., Bridgeport, Conn.
Bens, Wm. Co. (Silver Mounted), Providence, R. I.
Berridge Shear Co. (High Grade Steel Laid), Sturgis, Mich.
Bridgeport Hdw. Mfg. Co. (Button Hole, Kindergarten, Pocket), Bridgeport, Conn.
Case, W. R. & Son, Bradford, Pa.
Clayton Bros., Bristol, Conn.
Clauss Shear Co, Fremont, O.
Codding & Heilborn Co. (Silver Mounted), North Attleboro, Mass.
Davis Automatic Shear Co., 41 Maiden lane, New York
Delaware Shears Mfg. Co., Wilmington, Del.
Diamond Shear Co., Wilmington, Del.
Foster, Theo. W. & Bro. Co. (Silver), Providence, R. I.
Heinisch's, R. Sons Co. (Pocket), Newark, N. J.
International Cutlery Co. (Shears), Fremont, O.
Kustor, Adolph & Bros., 100 Duane, New York.
Mallinson, J. Shear Co., West Cornwall, Conn.
Mount Pleasant Tool Co. (Pocket), Mount Pleasant, Pa.
National Cutlery Co (Buttonhole), Westmoreland & Boudinot, Philadelphia, Pa.
Robeson Cutlery Co., Rochester, N. Y.
Schatt & Morgan Cutlery Co. (Buttonhole), Titusville, Pa.
Spaulding, D. S. (Silver Mounted), Mansfield, Mass
Standard Mfg. Co. (Toe-Nail), Rochester, N. Y.
Wallace, R. & Sons' Mfg. Co. (Buttonhole, Embroidery, Folding, Ladies', Manicure, Pocket), Wallingford, Conn.
Waterville Cutlery Co. ("Hatchcock" Patent Shears), Waterville, Conn.
Wiebush & Hilger (Bent, Buttonhole, Embroidery, Pocket), 106 Lafayette, New York
Wiss, J. Sons Co. (Barbers', Buttonhole, Pocket), Newark, N. J.

*Sheave Bushing (Tackle Block)

NORTH AMERICAN METALINE CO., 4 West Av., Long Island City, N. Y. (See adv. index, end of book)

Sheave or Pulley Filling (Rubber)

Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.), Detroit, Mich

Sheave Wheels & Frames

Lanz, M. & Sons, Carson & 29th, Pittsburg, Pa.

Sheaves (Ball Bearing Show Case)

Johnston & Sharpe Mfg. Co., Ottumwa, Ia.

Sheaves (Door)

Brewer Bros. (Anti-Friction Run), 614 Filbert, Phila., Pa.
Corbin Cabinet Lock Co. (Cast Brass Sliding Door Sheave & Rail), New Britain, Conn.

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Grant Pulley & Hardware Co. ("Grant" Noiseless), 3 W. 29th, New York.
Nicol & Co., 66 N. Jefferson, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stowell Mfg. & Foundry Co., S. Milwaukee, Wis.
Wrightsville Hardware Co. (Also Sliding Door), Wrightsville, Pa.

*Sheaves (Gravity)

CARLIN'S, THOS. SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)

Sheaves (Pulley)

Piqua Handle & Mfg. Co. (Wooden), Piqua, O.

Sheaves (Shutter)

Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

*Sheaves (Special Patented)

G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)

Sheaves (Tackle Block)

(See also Blocks, Tackle)

Boston & Lockport Block Co., Boston, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Cleveland Block Co., 163 River, Cleveland, O.
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Dubuar, J. A. Mfg. Co., Northville, Mich.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Laughlin, Thos. Co., Portland Me.
Marine Hardware & Equipment Co., South Portland, Me.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Union Hardware Co., Torrington, Conn.
Wilcox, Crittenden & Co. (Ball Bearings, etc.), Middletown, Conn.

Sheaves (Wire & Manila Rope)

(See also Machinery, Power Transmitting)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bates Machine Co., Joliet, Ill.
Bellwood Mfg. Co. (Rope), Bellwood, Pa.
Boston & Lockport Block Co. (Rope), 100 Commercial, Boston, Mass.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
CALDWELL, W. E. CO., Brook & D, Louisville, Ky. See adv. index, end of book)
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
Crawford & McCrimmon Co. (Wrought Iron Spoke, Rope Sheaves Only), Brazil, Ind.
Cresson, Geo. V. Co., Allegheny av, W of 17th, Phila., Pa.
Davis, R. M., Iron Works Co., 8th & Larimer, Denver, Colo.
DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Dodge Mfg. Co., Mishawaka, Ind.
Exeter Machine Works, Pittston, Pa.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Garland, M. Co., Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Gustafson Mfg. Co., Chattanooga, Tenn.
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Helmick Foundry & Machine Co. (Chilled Curve Wire Rope Only), Fairmont, W. Va.
Herron-Webb Engineering Co., Monongahela, Pa.
Hill Clutch Co., ft. 58th, N. W., Cleveland, O.
Howard Iron Works, Buffalo, N. Y.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Jones, W. A. Foundry & Machine Co., 143 W North av, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lake Shore Engine Works, Marquette, Mich.
Link Belt Co., W. 39th & Stewart av., Chicago, Ill., & 299 B'way, New York
MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index, end of book)
Marseilles Mfg. Co., Marseilles, Ill.
MEAD-MORRISON MFG. CO., Cambridge, Mass. & 11 B'way, New York. (See adv. index & branch offices, end of book)
Medart Patent Pulley Co., 3500 De Kalb av., St. Louis, Mo.
Mine & Smelter Supply Co., Denver, Colo., & 43 B'way, New York
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Nelsonville Foundry & Machine Co., Nelsonville, O.
Nordyke & Marmon Co., Indianapolis, Ind.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md
Portland Co. (Rope & Power Transmitting), Portland, Me.
Robinson Machine Co., Monongahela, Pa.
Scottdale Foundry & Machine Co., Scottdale, Shriner, T. & Co., Harrison, N. J. Pa.
Skillin & Richards Mfg. Co. (Rope), 127 Fulton, Chicago, Ill.
Stevens-Adamson Mfg. Co., Aurora, Ill.
Stine, J. C. Co. (Gravity Plane), Tyrone, Pa.
Stine, S. B., Osceola Mills, Pa.
Terry & Tench Co. (Inc.), Lexington av & 131st, New York
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Union Foundry & Machine Co., Pittsburg, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.
WEBSTER MFG. CO., 1075 W. 15th, Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)
WELLER MFG. CO., 124 E. North av., Chicago, Ill. (See adv. index, end of book)
Western Block Co. (Rope), Lockport, N. Y.
Wood's, T. B. Sons Co. (Manilla Rope), Chambersburg, Pa.

*Sheaves with Graphite Bronze or Metaline Bronze

DOBBIE FOUNDRY & MACHINE CO., Main Office & Works, Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

Sheaves (Wood Split)

(See Pulleys, Wood Split)

Shedders (Fodder)

Appleton Mfg. Co., Batavia, Ill.
Dick, Jos. Agricultural Works, Canton, O.
Keystone Mfg. Co., Sterling, Ill.
Silver Mfg. Co. ("New Ohio"), Salem, O.

Sheet Brass & Copper

(See Copper & Brass Sheet)

Sheet Iron (Cold Rolled)

Youngstown Sheet & Tube Co., Youngstown, O.

Sheet Metal Borders & Friezes

Broschart & Braun, 601 W 130th, New York
BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
Frand, M. J. & Co., 112 Arch, Camden, N. J.
FRIEDLEY-VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. index, end of book)
Gerock Bros. Mfg. Co., St. Louis, Mo.
Hergert, Theo. E., 422 E 53rd, New York
Kelley, Wm. J., 448 Adelphi, Brooklyn, N. Y.
Miller & Doing, 83 Wash.'n, Brooklyn, N. Y.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
Thoresen, Wm., 419 W North, Chicago, Ill.

Sheet Metal Goods Mfrs.

(See also Stamping, Sheet Metal)

EDWARDS MFG. CO. (To Order) 545-565 Eggleston ave., Cincinnati, O. (See adv. index, end of book)
Jenkinson, R. C. & Co. (By Automatic Machines, Newark, N. J.
Knobourn Co., 27 E 22d, New York
Parker, Jno. L. Co. (Seamless), Worcester, Mass.
Special Machinery Co., Bridgeport, Conn.

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FRIEDLEY-VOSHARDT CO. (Inc.), 194 Mather, Chicago, Ill. (See adv. index, end of book)

Gerock Bros. Mfg. Co., St. Louis, Mo.
Hergert, Theo. E., 422 E 53d, New York
Kelley, Wm. J., 448 Adelphi, Brooklyn, N. Y.
Mesker Bros., 421 S. 6th, St. Louis, Mo.
Miller & Doing, 83 Wash'n, Brooklyn, N. Y.

MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)

*Sheet Metal & Strip Stock Straighteners & Cutters (Automatic)

SHUSTER, F. B. CO., New Haven, Conn. (See adv. index, end of book)

Sheet Metals (Plated)

American Nickeloid Mfg. Co. (Nickelzinc, Nickeltin, Brasszinc, etc.), Peru, Ill.
National Sheet Metal Co. (Nickel, Brass, Copper & Bronze, Tin & Zinc), Peru, Ill.

*Sheet (Nickel)

DRIVER-HARRIS WIRE CO. (Pure Malleable), Harrison, N. J. (See adv. index, end of book)

Sheets (Aluminum)

Aluminum Co. of America, Pittsburg, Pa.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Scovill Mfg. Co., Waterbury, Conn.

Sheets (German Silver)

Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Chicago Brass Co., Kenosha, Wis.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.

HUNGERFORD, U. T. BRASS & COPper Co. (Sheets or Rolls), 497 Pearl, New York

MERCHANT & EVANS CO. (Inc.) (Sheets & Rolls), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Pilling Brass Co., Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Waterbury Brass Co., Waterbury, Conn.

Sheets (Manganese)

American Manganese Bronze Co., 99 John, New York

Shelf Fixtures (Adjustable)

Van Doorn Co. (Polished Brass, Nickel Plated, etc.), Quincy, Ill.

Shellac Gum

Berry Bros., Limited (Bleached), Main Office & Factory, Detroit, Mich.
Feigel, M. & Bro. (Bleached, Varnish, etc.), 147 Wooster, New York
Hoople & Nichols, 250 Front, New York.
Marx & Rawolle (Orange & Bleached), 100 William, New York
New York Shellac Co., 229 Pearl, New York.
Rogers & Pyatt (Orange & Bleached), 4 Jones la, New York
Scheel, Wm. H., 159 Maiden La., New York
Zinser, Wm. & Co. (Bleached & Refined), 197 William, New York

Shellers (Corn)

Adams, W. J. (Hand), Joliet, Ill.
American Bell & Foundry Co., Northville, Mich
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Batavia, Ill.

BARTLETT, C. O. & SNOW CO., French st, Cleveland, O. (See adv. index, end of book)

Barnard & Leas Mfg. Co. ("Victor"), Moline, Ill.
Batavia Windmill Co., Batavia, Ill.
Belcher & Taylor Ag'l Tool Co., Chicopee Falls, Mass.
Billups, Son & Co., Norfolk, Va.
Brinley-Hardy Co. ("Red Chief"), Louisville, Ky.
Bristol & Gale Co., 110 Wash'n boul, Chicago, Ill.
Brown, Geo. W. & Co., Galesburg, Ill. Ill.
Buch's, A. Sons Co., Elizabethtown, Pa.
Butler Co., Butler, Ind.
Butterfield & Co., Derby Line, Vt.
Challenge Co., Batavia, Ill.
Deats, Hiram, Jr., Pittston, N. J.
Deere & Mansur Co. (Power & Hand), Moline, Ill.)
Dickey Mfg. Co., Racine, Wis.
Donaldson Bros., Mount Clemens, Mich.
Dunham, J. W. & Son, Berea, O.
Eagle Machine Co., Lancaster, O.
Elgin Wind, Power & Pump Co., Elgin, Ill.
Ellis Keystone Agricultural Works ("Cannon" Sheller & Cleaner, with Bagger, etc.; also "Pottstown" & Double Sheller), Pottstown, Pa.
Farquhar, A. B. Co., York, Pa.
Foos Mfg. Co., Springfield, O.
Freeman, S. & Sons Mfg. Co. (Hand, etc.), Racine, Wis.
Genesee Valley Mfg. Co. (Hand & Power), Mount Morris, N. Y.
Great Western Mfg. Co., Leavenworth, Kan.
Grier, Geo. S., Milford, Del.
Halsh, Jacob Co., De Kalb, Ill.
Heath Foundry & Mfg. Co., Plymouth, O.
Hench & Dromgold Co., Inc., York, Pa.
Hocking Valley Mfg. Co., Lancaster, O.
Howell, R. R. & Co., Minneapolis, Minn.
Hutchison, Jno. Mfg. Co., Jackson, Mich.
Huntley Mfg. Co., Silver Creek, N. Y.
International Harvester Co. of America, Chicago, Ill., & Auburn, N. Y.
Joliet Mfg. Co., Joliet, Ill.
Kansas City Hay Press Co. (Hand Cylinder & Spring Belt), Kansas City, Mo.
Keystone Farm Machine Co., York, Pa.
King & Hamilton Co., Ottawa, Ill.
Kingman & Co., Peoria, Ill.
Kingsland Mfg. Co., St. Louis, Mo.
Klots Machine Co., Sandusky, O.
Lehr Agricultural Co., Fremont, O.
Litchfield Mfg. Co., Waterloo, Iowa
Luthy & Co., Peoria, Ill.
McGrath, R. H. (For Warehouse), Lafayette, Ind.
McSherry Mfg. Co., Middletown, O.
Mann, F. W. Co. (Ball Bearing), Milford, Mass.
Marseilles Mfg. Co. ("Cyclone" Spring, Power & Hand), Marseilles, Ill.
Messinger Mfg. Co. (Power & Hand), Tatamy, Pa.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Mountville Mfg. Co., Mountville, Pa.
Munnsville Plow Co. ("Old Burrall"), Munnsville, N. Y.
New Winona Mfg. Co. ("Crescent A. A." Self-Feed Sheller with Cob-Stacking Elevator), Winona, Minn.
Nordyke & Marmon Co. (Hand & Power), Indianapolis, Ind.
Noye Mfg. Co., Buffalo, N. Y.
Ohio Rake Co., Dayton, O.
Patch, A. H. ("Black Hawk," Hand), Clarksville, Tenn.
Penna. Electric Co., Marietta, Pa.
Port Huron Engine & Thresher Co. (Power Shellers), Port Huron, Mich.
Reeves & Co. (Cylinder), Columbus, Ind.
Rock River Machine Co. (Hand), Janesville, Wis.
Rogers Iron Co., Springfield, O.
Salem Iron Works, Salem, N. C.
Sandwich Mfg. Co. (Horse & Steam Power & Centrifugal), Sandwich, Ill.
Schriever & Couchar Mfg. Co., Dubuque, Ia.
Silberzahn Mfg. Co. (Hand), West Bend, Wis.
Smalley Mfg. Co., Manitowoc, Wis.
Southern Foundry & Machine Works, Fredericksburg, Va.
Spangler Mfg. Co., York, Pa.

SPROUT, WALDRON & CO., ("Monarch"), Muncy, Pa. (See adv. index, end of book)

Standard Harrow Co., Utica, N. Y.
Star Mfg. Co., Carpenterville, Ill.
Stevens, A. W. Co. (Power), Marietta, Wis.
Stevens Mfg. Co., Joliet, Ill.
Stover Mfg. Co., Freeport, Ill.
Streeter, Hiram R. Grand Ledge, Mich.
Tait, F. B. Mfg. Co., Decatur, Ill.
Tiffin Wagon Co., Tiffin, O.
Union Iron Works ("Western" Power), Decatur, Ill
U. S. Engine & Pump Co., Batavia, Ill.
White, S. R. & Bro., Norfolk, Va.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman Agricultural Co., 6000 S B'way, St. Louis, Mo.
Whitman & Barnes Mfg. Co., Akron, O.

*Shells (Brass)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Shells (Coke Oven)

PETROLEUM IRON WORKS CO., Sharon, Pa., & Farmers' Bank bldg., Pittsburg, Pa. (See adv. index, end of book)

Shells (Roll)

Standard Steel Works Co. ("Standard" Solid Weldless), Harrison bldg., Phila., Pa.

Shells (Rolled Chrome Steel)

Chrome Steel Works, Chrome, N. Y.

*Shells (Seamless Steel)

(See also Cylinders & Shells, Seamless Pressed Steel)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Shells (Straight & Taper Bore)

Railway Steel Spring Co. (Weldless Forged & Rolled Steel), 30 Church, New York

Shelving (Glass Front, Sectional)

Warren, J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

Shelving (Shop)

Davis Mfg. Co., Milwaukee, Wis.
New Britain Machine Co., New Britain, Conn.

Shelving (Steel)

BERGER MFG. CO., THE (Plain & Roller), Main Office & Works: Canton, O. (See adv. index & branch offices, end of book)

Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.

GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)

LYON METALLIC MFG. CO. (For All Purposes), Aurora, Ill. (See adv. index, end of book)

MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)

Ohio Mfg. Co., Painesville, O.
Steel Fixture Mfg. Co. (Vault, etc.), Topeka, Kans.
Terrell's Equipment Co. (Bins, Shelving, Trucks, Lockers, Barrels, Tate Boxes, etc.), Grand Rapids, Mich.

VAN DORN IRON WORKS CO., (Steel Roller Book Shelves), 2685 N 79th, Cleveland, O. (See adv. index, end of book)

Shields (Gear)

Avery Stamping Co. ("Never-Break"), Cleveland, O

Shims (Pole)

Lang, M. & Sons, Carson & 29th, Pittsburg, Pa

*Shingle (Asbestos)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

*Shingle Holders (Steel)

TALOR, JAS. L. MFG. CO., Bloomfield, N. J. (See adv. index, end of book)

Shingle Stains

Acme White Lead & Color Works, Detroit, Mich.
Adams & Elting Co. (Asbestine), 155 W Washington, Chicago, Ill.
Berry Bros. (Ltd.) (Singletint), Main Office & Factory, Detroit, Mich.
Buffalo Enamel & Stain Co., D. S. Morgan Bldg., Buffalo, N. Y.

CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)

Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Dexter Bros. Co., 103 Broad, Boston, Mass.
Forest City Paint & Varnish Co., Cleveland, O.

GROSCHE, BRUNO & CO., 13 Jones Lane, New York. (See adv. index, end of book)

Horn, A. C. Co., 8 Burling slip, New York
Johns, H. W.-Manville Co., 100 William, New York

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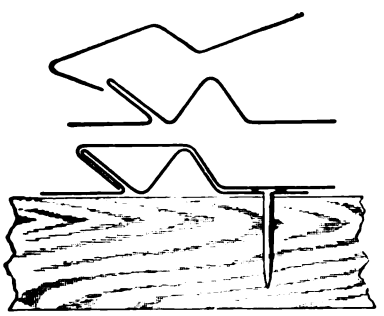
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Parker, Preston & Co. (Inc.) (Waterproof & Odorless), Norwich, Conn.
Price Fireproofing Co. (Fireproofing Creosote), Poughkeepsie, N. Y.
Sherwin-Williams Co., Cleveland, O.
Spirittine Chemical Co. (Spirittine Creosote), Wilmington, Del.
Sonneborn, L. Sons (Inc.) ("Shingleedges"), 202 Pearl, New York
Union Roofing & Mfg. Co. ("Petrosote" Preservative), St. Paul, Minn.
Vilas Bros. ("Impervious"), 227 5th av, Chicago, Ill.
Weatherine Paint Works, 139 Steuben, Brooklyn, N. Y.
Wilhelm, A. Co. ("Fernoleum"), Reading, Pa.

*Shingle Stains (Creosote)

ABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)

Shingles (Asbestos)

bestos Shingle, Slate & Sheathing Co. ("Century"), Ambler, Pa.
asbey & Mattison Co. ("Century"), Ambler, Pa.

Shingles (Asphalt)

ithrop Asphalt Shingle Co., Women's Temple, Chicago, Ill.

hingles (California Redwood)

(See also Lumber Manufacturers)
ren, J. G. (Plain & Fancy), Eureka, Cal.
eapolis Cedar & Lumber Co. (Red and White Cedar), Lumber Ex., Minneapolis, Minn.

Shingles (Cedar)

e Cedar Lbr. Mfg. Co. ("Maltese Cross" Brand), Seattle, Wash.
imaw Lumber Co. (Machine Dressed), Bolton, N. C.

Shingles (Cement)

(See Roofing Tile, Cement)

*Shingles (Cluster)

ARDS MFG. CO., 545-565 Eggle- n av, Cincinnati, O. (See adv. index, end of book)

Shingles (Cypress)

See also Lumber Manufacturers)
Lumber Co., 88 Broad, Boston, Mass., & Apalachicola, Fla.
NS, A. T. LUMBER CO., Neponset, on, Mass. (See adv. index, end of book)

ngles (Flat Terra Cotta)

ICI-CELADON CO., 509 Cham- Commerce, Chicago, Ill. (See adv. index & branch offices, end of book)

Shingles (Metallic)

also Roofing Tile, Metallic)
R MFG. CO., THE, Main Of- Works: Canton, O. (See adv. index & branch offices, end of book)
lin T. & Son, Anderson, S. C.
, W. J. CO., ("East Lake"), Congress. Detroit, Mich. (See adv. index, end of book)
. Co., Kansas City, Mo.
MFG. CO., ("Standard"), O. (See adv. index, end of book)
Roofing & Foundry Co. ("Century"), Chattanooga, Tenn.
Stamping Co. ("Regan's"), 24 W McMicker av, Cincinnati, O.
tal Roofing Co., 50 N. 23d, Phila., Pa.
oofing & Mfg. Co. (Dealers), 918 S. 4th, Minneapolis, Minn.
S MFG. CO., 545-565 Eg- .., Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co. ("Champion" Lock Joint), Canton, O.
Indianapolis Corrugating Co., Indianapolis, Ind.
Kanneberg Roofing & Ceiling Co., Canton, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Meurer Bros. Co. ("Unique"), Brooklyn, N. Y.
Miller & Doing, 88 Wash'n, Brooklyn, N. Y.
MILWAUKEE ARTISTIC METAL Ceiling Co. ("Titelock"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
MILWAUKEE CORRUGATING CO. ("Titelock"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Moeschl-Edwards Corrugating Co. ("Just-Right," "Magnolia"), Covington, Ky.
Montross Metal Shingle Co., Camden, N. J.
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
NATIONAL SHEET METAL ROOFING Co. ("Walter's"), 339 Grand, Jersey City, N. J. (See adv. index, end of book)
Penn Metal Ceiling & Roofing Co. ("The Sagendorf"), 23d & Hamilton, Phila., Pa.
Ringle, Jacob & Son ("The Hamsley"), 85 Newark av, Jersey City, N. J.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Tiffin Art Metal Co. ("Neverleak"), Tiffin, O.
VALLEY CORNICE & SLATE CO., (Ltd.), 314-318 N Hamilton, Saginaw, W S, Mich. (See adv. index, end of book)
Watson, Jas. H. Co. (Inc.) ("Watson"), Bradley, Ill.
Wheeling Corrugating Co. (Tin or Galvanized), Wheeling, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill.

Shingles (Red Cedar)

(See Lumber Manufacturers, California, Washington & Oregon)

Shingling Kits

Coldwater Specialty Mfg. Co. ("Stowe's"), Coldwater, Mich.

Ship Builders

(See also Dry Docks & Marine Railways)
(Star (*) indicates those who build Iron & Steel; Section Mark (§) those who build Wooden; Dagger (†) those who build Iron, Steel & Wooden)

§American Boat & Machine Works (Tugs, River Vessels, Scows, etc.), 3517 2d, St. Louis, Mo
*American Car & Foundry Co. (Steel & Wooden Steamships, Ferry Boats, Barges, Car or Grain Floats, etc.), 915 Olive, St. Louis, Mo., & 165 B'way, New York
*American Ship Building Co., Cleveland, O.
*Atlantic Works (Steam Yachts), 70 Border, E. B., Boston, Mass.
§Barrett, John & Son (Tugs, River Vessels, Scows, etc.), Chamber of Commerce bldg, Cincinnati, O.
*Bath Iron Works (Ltd.), Bath, Me.
§Bates, J. B. & Co., 22d & Sangamon, Chicago, Ill
§Bayles, J. M. & Son, Port Jefferson, N. Y.
Beacham, J. S. & Bro., ft Warren av, Baltimore, Md.
§Bean, H. M. & R. L. Co., Camden, Me.
§Bendixsen, H. D. Ship Building Co., Eureka, Cal.
§Blaisdell, N. & Sons, Bath, Me.
§Boole, W. A. & Son (Inc.), San Francisco, Cal
§Booz Bros., ft E Montgomery, Baltimore, Md.
§Bowker, F. S. & Son, Phippsburg, Me.
§British Columbia Marine R'y Co. (Ltd.), Esquimault, B. C.
§Brooks, John M., 139 Coleridge, E. Boston Mass.
§Brown Dry Dock Co., Jersey City, N. J.
*Buffalo Dry Dock Co., Buffalo, N. Y.
†Burger, H. B., Jr., Manitowoc, Wis.
*Burlee Dry Dock, Co., Port Richmond, Borough of Richmond, N. Y.
§Byles, Geo. W. (Tugs, River Vessels, Scows, etc.), City Island, N. Y.
§Calvin Co., Garden Island, Ont.
§Camden Yacht Building & R'y Co. (Yachts, etc.), Camden, Me.
§Carleton, Norwood & Co., Rockport, Me.
§Carli, J., Sr., Northport, N. Y.
*Carrier, Laine & Co., Levis, Que.
Chicago Shipbuilding Co., 101st & Calumet River, Chicago, Ill.
§Cobb Bros. (Tugs, River Vessels, Scows, etc.) Brewer, Me.
§Cobb, Butler & Co., Rockland, Me.
§Conley, Horace J., Green Bay, Wis.
*Cramp, Wm. & Sons, Ship & Engine Bldg. Co., Beach, c. Fall, Phila., Pa.
†Crane's, Theo. A. Sons Co. (Tugs, River Vessels, Scows, Dry Docks, etc.), Erie Basin, Brooklyn, N. Y.
§Crawford & Reid, Tacoma, Wash.
§Crosby, H. Manley (Cat Boat Yawls, Launches, etc.), Osterville, Mass.

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§Davis Dry Dock Co., Kingston, Ont.
§Deering, G. G. & Co., Bath, Me.
*Detroit Ship Building Co., Detroit, Mich.
*Dialogue, J. H. & Son, Camden, N. J.
§Dickie, J. W. & Son, San Fransico, Cal.
§Drien, Thos. & Son (Tugs, River Vessels, Scows, etc.), Wilmington, Del.
§Dunn & Elliott Co., Thomaston, Me.
§Ellis, J. S. & Son, Tottenville, S. I., N. Y.
§Electric Launch Co. (Electric Launches, etc.), Bayonne, N. J.
§Ely, Elmer A., Middletown, Conn.
§Emmons, E. Gerry, Corp. (Tugs, River Vessels, Scows, etc.), Swampscott, Mass.
§Empire Ship Building Co., Buffalo, N. Y.
§Englis, Chas. M., 34 Greenpoint av, Brooklyn, N. Y.
§Fenton, David Co. (Tugs, River Vessels, Scows, etc.), Manchester, Mass.
*Fletcher, W. A. & Co., Hoboken, N. J.
§Frentz, Geo., Scranton, Miss.
*Fore River Ship Building Co., Quincy, Mass.
*Gas Engine & Power Co. & Chas. L. Seabury & Co. (Launches, Yachts, etc.), Morris Heights, New York
§Gilchrist, Geo. A., Belfast, Me.
§Gildersleeve & Sons (Coal Boats & Deck Scows), Gildersleeve, Conn.
§Gilmore's, A. Sons, Toledo, O.
§Goble, Geo, Est., Oswego, N. Y.
§Gratto & Reimers, San Francisco, Cal.
*Great Lakes Engineering Works, Detroit, Mich.
*Greenport Basin & Construction Co. (Steam & Sail Yachts), Greenport, N. Y.
§Greenport Basin & Construction Co. (Tugs, River Vessels, Scows, etc.), Greenport, N. Y.
§Grignon, Napoleon, Duluth, Minn.
*Hamilton Bridge Works Co. (Ltd.), Hamilton, Ontario, Canada
*Harian & Hollingsworth Corp'n (Steamships, Steamboats, Tugboats, Ferryboats, Car Floats, Barges, etc.), Wilmington, Del.
§Hawley, Jas. W., Bath, Me.
*Herresboff Mfg. Co. (Also Yachts, etc.), Bristol, R. I.
§Hiltebrandt, C., Roundout, Kingston, N. Y.
*Howard Ship Yards Co., Jeffersonville, Ind.
§Jacob, Robt. (Tugs, River Vessels, Scows, etc.), City Island, N. Y.
§Jakobson & Peterson (Scows, etc.), ft. of 24th, Brooklyn, N. Y.
*Johnson Iron Works (Ltd.) (Steamers, Barges & Lighters), Julia & Delta, New Orleans, La.
*Johnston Bros., Ferrysburg, Mich.
§Kelley-Spear Co., Bath, Me.
§Kenyon, A. P., Marine City, Mich.
§King & Winge, Seattle, Wash.
§Kingston Boat Co., Kingston, Ont.
§Kirby & Son, St. Michaels, Md.
§Kirk, Wm. P. (Tugs, River Vessels, Scows, etc.), Toms River, N. J.
§Kneass, Geo. W. (Tugs, River Vessels, Scows, etc.), 718 3d, San Francisco, Cal.
§Laird, Jas. G. & Sons, Ashtabula, Ohio.
§Lake Torpedo Boat Co., Bridgeport, Conn.
*Lawley, Geo. & Son Corp., S. B., Boston, Mass
§Lindstrom Ship Building Co., Aberdeen, Wash.
†Lockwood Mfg. Co., 61 Sumner, E. B., Boston, Mass.
§Long Island Machine & Marine Construction Co., L. I. City, N. Y.
Lutcher & Moore Lumber Co., Orange, Tex.
§McCosker, Thos. & Co., Baltimore, Md.
§McKie, Wm., 100 Border, Boston, Mass.
*Manitowoc Dry Dock Co. (Steel Ships, Passenger Steamers, Tugs, etc.), Manitowoc, Wis.
*Marine Iron Works, Clybourn & Southport avs., Chicago, Ill.

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§Mar, Jno. E. & Son, West Haven, Conn.
§Marine Railway Machine & Boiler Works, (Tugboats, etc.), Baltimore, Md.
Marine Railway Ship Building & Coal Co., Alexandria, Va.
§Mariton, Wm., Goderich, Ont.
§Marsh, Jas. T., Solomons, Md.
†Marvel, T. S. Shipbuilding Co., Newburgh, N. Y.
*Maryland Steel Co. (All kinds of Steam & Sailing Vessels & Barges), Sparrows Point, Baltimore, Md.
*Merrill-Stevens Co., Jacksonville, Fla.
†Michigan Steel Boat Co., Detroit, Mich.
§Mills, Jno. L. Co., Camden, N. J.
†Milwaukee Dry Dock Co., Milwaukee, Wis.
§Montreal Transportation Co., Montreal, Que.
§Moran Co., Seattle, Wash.
§Muncy, Thos. F. (Yachts Only), Bay Shore, New York
§Muir, Alex & Bros., Port Dalhousie, Ont.
§New England Co., Bath, Me.
*New York Ship Building Co., Camden, N. J.
*Newport News Ship Building & Dry Dock Co., Newport News, Va.
§Nilson Yacht Bldg. Co. (Yachts, etc.), Baltimore, Md.
§Oades, Walter H., Detroit, Mich.
§Olligner & Bruce Dry Dock Co., Mobile, Ala.
§Paducah Dry Dock Co., Paducah, Ky.
§Palmer, R. & Son Shipbuilding & Marine Railway Co., Noank, Conn.
§Paquet, Joseph, 112 E. 12th, Portland, Ore.
§Percy & Small, Bath, Me.
§Penn & Lake Dry Dock Co., Pittsburg, Pa.
§Perth Amboy Dry Dock Co., Perth Amboy, N. J.
*Poison Iron Works, Toronto, Can.
†Phillips, U. K. & Co., Bethel, Del.
§Poillon, C. & R., N. Y. & Clinton, So. Brooklyn, N. Y.
§Portland Ship Building Co. (Motor Boats Launches, Yachts, also Ship Knees), Portland, Me.
*Pusey & Jones Co. (Yachts, Sailing & Steam Vessels), Wilmington, Del.
†Racine Boat Mfg. Co. (Steel Vessels, Canoes, Yachts, etc.), Muskegon, Mich.
Raritan Dry Dock Co. (Scows, Tugs, Barges, etc.), Perth Amboy, N. J.
§Read Bros., Fall River, Mass.
§Reibold, Wolter & Co., Sturgeon Bay, Wis.
§Reynolds, Frank W. (Tugs, River Vessels, Scows, etc.), Canajoharie, N. Y.
*Richmond Iron Works, Richmond, Va.
*Risdon Iron & Locomotive Works, Steuart & Folsom, San Francisco, Cal.
*Riter-Conley Mfg. Co., Pittsburg, Pa.
§Rossiter, Chas. S. & Co., ft. of Montgomery, Baltimore, Md.
§Ryan, John, Whitehall, N. Y.
§Sawyer Bros. Millbridge, Me.
§Sawyer, Warren, Millbridge, Me.
*†Sewall, Arthur & Co., Bath, Me.
*Ship Owners Dry Dock Co., 381 N. Halsted, Chicago, Ill.
§Simpson Lumber Co., San Francisco, Cal.
§Skaneateles Boat & Canoe Co., Skaneateles, N. Y.
*Skinner Ship Building & Dry Dock Co., Baltimore, Md.
§Smith, Abram & Sons, Algonac, Mich.
§Smith & McCoy, Norfolk, Va.
§Smith, Jno. P. Co., Nyack, N. Y.
§Snow, I. L. & Co., Rockland, Me.
§Southern Ship Bldg. Co., Jacksonville, Fla.
*Spedden Ship Building Co., Baltimore, Md.
§Starin Ship Yard & Iron Works, Port Richmond, S. I., N. Y.
§Stearns & McKay (Tugs, River Vessels, Scows, etc.), Marblehead, Mass.
§Stetson, E. & I. K., Bangor, Me.
§Stone, W. F. & Co. (Tugs, River Vessels, Scows, etc.), San Francisco, Cal.
§Story, A. D., Essex, Mass.
*Superior Ship Building Co., Superior, Wis.
§Supple, Jos., Portland, Ore.
§Swanson, Peter, Tiburton, Cal.
§Swenson, Johan, ft. of Warren, Jersey City, N. J.
§Tarr & James, Essex, Mass.
§Thames Towboat Co., New London, Conn.
§Thropp, Jno. E. Sons Co. (Small Passenger Steamers, Tugs & Yachts Complete), ft. of Lewis, Trenton, N. J.
*Toledo Ship Building Co., Toledo, Ohio
§Truscott Boat Mfg. Co., St. Joseph, Mich.
*United Engineering Works, San Francisco, Cal.
*Union Iron Works Co. (Battleships, Steamships, Steam Tugs), San Francisco, Cal.
§Vansant, Stanley G., Atlantic City, N. J.
§Washburn Bros., Thomaston, Me.
§Waterhouse, Frank & Co. (Inc.), Seattle, Wash.
*West Bay City Ship Building Co., West Bay City, Mich.
§White, E. L., Machias, Me.
*White, Robert Engineering Works (Tugboats, Lighters, etc.), ft. of Columbia, Brooklyn, N. Y.
§Williams-Whittlesey Co. (Tugs, River Vessels, Scows, etc.), Long Island City, N. Y.
§Woodall, Wm. E. & Co., ft. Allen, Baltimore, Md.
§Wood, B. F. (Tugs, River Vessels, Scows, etc.), City Island, N. Y.

Ship Knees

Portland Ship Building Co., Portland, Me.

Shock Absorbers

Baldwin Chain & Mfg. Co. ("House"), Worcester, Mass.
Buffalo Specialty Co. ("Thomas"), 375 Ellicott, Buffalo, N. Y.
Diezemann Shock Absorber Co. ("Diezemann"), 1311 Hudson, Hoboken, N. J.
Duke, Oak ("Condac"), Wellsville, N. Y.
Gabriel Horn Mfg. Co. ("Foster"), Cleveland, Ohio
Graygood Co. ("Graygood"), 53 W. 93d, New York
Hartford Suspension Co. ("Truffault-Hartford"), 67 Vestry, New York
Hercules Auto. Specialty Mfg. Co., Los Angeles, Cal.
Herz & Co. ("Pater Noster"), 203 Lafayette, New York
Hotchkin Mfg. Co. ("Hotchkin" Anti-Jolt Device), 1256 Michigan av., Chicago, Ill.
Indianapolis Bolster Spring Co., 107 S. Meridian, Indianapolis, Ind.
Kelsey, C. W., 317 W. 59th, New York
Kelsey Suspension Co., Tarrytown, N. Y.
Kilgore Automobile Air Cushion Co., 48 Columbus av., Boston, Mass.
Rueckert Compound Shock Absorber (Thos. E. Curry, Mgr.), 66 Leonard, New York
Sager, J. H. Co., Rochester, N. Y.
Shippey, George E., 220 1st, Pittsburg, Pa.
Supplementary Spiral Spring Co., 4524 Delmar boul., St. Louis, Mo.
Toquet, B. Louis, South Norwalk, Conn.
Twombley Power Co., 12th av & 51st, New York
Weeber, C. J. Mfg. Works, Albany, N. Y.
Walker, E. C. Co., 1905 Logan, Louisville, Ky.

Shockers (Corn)

Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, Chicago, Ill. (Osborne Plant, Auburn, N. Y.)

Shoe Blackings & Polishes

American Shoe Polish Co. ("Eagle"), 222 N. Franklin, Chicago, Ill.
Bixby, S. M. & Co., 104 Hester, New York.
Brown, B. F. & Co., Boston, Mass.
Buckeye Chemical Co., Findlay, Ohio
Burckard Blacking & Oil Co. ("Okolite"), 520 W. Franklin, Baltimore, Md.
Diamond, McDonnell & Co., Phila., Pa.
Hauthaway, C. L. & Son, Boston, Mass.
Imperial Leather Preserver Mfg. Co. ("Leatherine" Waterproof), 216 Chancelor, Phila., Pa.
Mason, James S. Co., Phila., Pa.
Miller, Frank Co., 349 W 26th, New York
Prescott, J. L. & Co., 92 W B'way, New York
Robb, C. L. Mfg. Co., Bellefontaine, O.
Whittemore Bros. Co. (Polishes, Paste, etc.; "Quick White," "Dandy," "Bossola," "Gilt Edge," "Baby Elite," "Star," "Superb," "Dandy Russet Paste"), Cambridge, Mass.
Wood, Geo. H. Co., Boston, Mass.

*Shoe Horns

DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Hard Fibre), Elsmere, Del. (See adv. index, end of book)

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Shoe Scraper & Cleaners

Stiles Fdry. & Supply Co., Parkersburg, W. Va.

Shoe Shiners

American Hardware Mfg. Co. ("American" Ottawa, Ill.

Shoes (Cutter)

Sweet's Steel Co., Williamsport, Pa.

Shoes (Horse, Rubber)

DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodyear Tire & Rubber Co., Akron, O.
Revere Rubber Co., 77 Bedford, Boston, Mass.
WHITMAN & BARNES MFG. CO. ("U. S." & B." Rubber Pad), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Shoes (Horse & Mule)

American Horse Shoe Co. (Horse & Mule), Phillipsburg, N. J.
AMERICAN STEEL & WIRE CO. (Horse "Juniata" Brand, Iron or Steel, in all sizes & Patterns, also Toe Calks), Commercial Steel Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Bryden Horse Shoe Co. (Horse & Mule), Chicago, Ill.
Burden Iron Co. (Horse), Troy, N. Y.
Cincinnati Horse Shoe Co. (Horse & Mule), Cincinnati, O.
Cray Bros. ("Cleveland" Iron Shoe), Cleveland, O.
Humane Horse Shoe Co., Lima, Ohio
Manhattan Rolling Mill (Inc.) (Horse), 38 Avenue A, New York
Meyer, Otto A. Co. (Steel Calk Horse Shoe), Milwaukee, Wis.
Neversllp Mfg. Co. ("Neversllp" Red Tip Horse Shoes), New Brunswick, N. J.
Old Dominion Iron & Nail Works Co. (Horse & Mule), Richmond, Va.
Parkway Drop Forge Horseshoe Co., Cleveland, O.
Phoenix Horse Shoe Co. (Horse & Mule), The Rookery, Chicago, Ill.
Rhode Island Perkins Horse Shoe Co. ("Perkins" Horse & Mule), Providence, R. I.
Scott Iron & Steel Co. (Horse), Carnegie, Pa.
Side Weight Horse Shoe Co. ("Ross," Hartford"), Mechanic, Hartford, Conn.
Standard Horse Shoe Co., Boston, Mass. & South Wareham, Mass.
Tredegar Co., Richmond, Va.
United States Horse Shoe Co. (Horse), Erie, Pa.
Virginia Iron, Coal & Coke Co., Roanoke, Va.
Williams Drop Forging Co. ("Williams" Clipslip Drop Forged Horse Shoes & Reversable Calks), Scranton, Pa.

Shoes (Ox)

Atwater Mfg. (Forged Wrought Iron), Plainville, Conn.
Millers Falls Co., 28 Warren, New York; Works Millers Falls, Mass.
Scranton Forging Co., Scranton, Pa.
Woodruff, W. W. & Sons Co., Mount Carmel, Conn.

Shoes (Plank)

Pollard, Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.

Shoes (Sliding Furniture)

Onward Mfg. Co. ("Onward"), Memphis, Tenn.

Shoes & Dies (Stamp Mill)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Brake Shoe & Foundry Co. (Cast Steel), Mahwah, N. J., & Western Union bldg., Chicago, Ill.
American Steel Foundries, Main Office, Commercial Nat. Bank bldg., Chicago, Ill.
Chester Steel Castiug Co., 407 Sansom, Phila., Pa., & Chester, Pa.
Chrome Steel Works (Adamantine), Chrome, N. J.
Colorado Iron Works Co., Denver, Col.
Davis, F. & M. Iron Works Co., Denver, Col.
Denver Eng. Works Co., Denver, Col.
Hendy, Joshua Machine Works ("The Westinghouse"), San Francisco, Cal.
KOPPEL, ARTHUR CO., Machinery Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)

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National Steel Casting Co., Montpelier, Ind.
Power & Mining Machinery Co., Cudahy, Wis.
Risdon Iron & Locomotive Works, Stewart & Folsom, San Francisco, Cal.
Taylor Iron & Steel Co. ("Hatfield"), High Bridge, N. J.

DIAMOND SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Shooks (Box)

Acushnet Saw Mills Co., Acushnet, Mass.
Allegheny Box Co., (Exp), Richmond, Va.
Anderson-Tully Co., Memphis, Tenn.
Astoria Box Co. (Exp.), Astoria, Ore.
Badger Box & Lumber Co. (Exp.), Grand Rapids, Wis.
Barnes, E. H. Co., 11 B'way, New York
Bartlett Box & Lumber Co., Westboro, Mass.
Barron, Jas. S. Co. (Exp.), 127 Franklin, New York
Beardsley, R., Buckeye, Wash.
Bradley, Miller & Co., Bay City, Mich.
Branning Mfg. Co., Edenton, N. C.
Breault, M. Co., Cohoes, N. Y.
Brookings Lumber & Box Co., Highland, Cal.
Buffalo Box Factory (Exp.), 240 Perry, Buffalo, N. Y.
Butts, C. G. & Co., Tonawanda, N. Y.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Carter, Jno. A., Petersham, Mass.
Chaffee Bros. Co. (Exp.) (By Car Lots), Oxford, Mass.
Chandler, E. L. Co., Barton Landing, Vt.
Chicago Mill & Lumber Co., W. Chicago av. & N. Sangamon, Chicago, Ill.
Clow, Elmer L., Eastbrook, Me.
Cochran Lumber Co., Chelsea, Memphis, Tenn.
Cohn & Bock, Princess Anne, Md.
Connecticut Box Co. (Inc.), New Haven, Conn., & 30 Church, New York
Delta Box & Mfg. Co., Chaney, Miss.
Derry, Fred. J., Danvers, Mass.
Duker, J. H. Box Co., Eden & Aliceanna, Baltimore, Md.
Eddy Bros. & Co (Ltd.), Bay City, Mich.
Ellington & Guy, (Va. Sap Pine), Richmond, Va.
Fenton Bros. Box & Lumber Co., Tonawanda, N. Y.
Fidalgo Mill Co. (Exp.), Anacortes, Wash.
Flick, A. R. Box Co., Dubuque, Ia.
Gale, Conrad H., Tully, Mass.
Gilkey & Anson Co., Merrill, Wis.
Goodwille Bros., 171 Lasalle, Chicago, Ill.
Griggs, D. B. & Sons, Chicopee Falls, Mass.
Gulf Cooperage Co., Pittsburg, Pa.
Hahn, J. N. Co., Cuyahoga av., cor. W. 4th, Cleveland, Ohio.
Harroun, J. R. & Son, Watertown, N. Y.
Holley-Matthews Mfg. Co., Sikeston, Mo.
Iowa Lumber & Box Co., Council Bluffs, Iowa
Jordan Lumber Co., Old Town, Me.
Keokuk Box Co., Council Bluffs, Iowa
Kelley Lumber & Shingle Co., Traverse City, Mich.
Kress, F. J. Box Co., 2920 Liberty av., Pittsburg, Pa.
Lake Superior Lumber & Box Co., Ashland, Wis.
Lawrence, Newhall, Page & Co., Augusta, Me.
Linderman Box & Veneer Co., Eau Claire, Wis.
Lucas Lumber Co. (Exp.), Tacoma, Wash.
Lunan, J. & Son, Falls River, Mass.
Marinette & Menominee Box Co., Marinette, Wis.
Melendy, C. F., Nashua, N. H.
Mengel, E. & Co., Bay City, Mich.
Mengel, C. C. & Bro. Co. (Exp.), Louisville, Ky.
Mershon-Bacon Co. (Boxes in Shooks or Nailed), Bay City, Mich.
Mershon, Schuette, Parker & Co. (Exp.), Saginaw, Mich.
Michigan Mfg. & Lumber Co. (Exp.), Holly, Mich.
Millard Lumber Co., New Hamburg, N. Y.
Mississippi Box Co., Muscatine, Ia.
Morrison Mill Co., Ferndale, Wash.
Murphy Box Co., Green Bay, Wis.
Musser, Wm. Lumber & Mfg. Co., Spokane, Wash.
Nashua Spool & Bobbin Co., Journal bldg., Boston, Mass.
Naylor, S. H., (Domestic & Export), Gulfport, Miss
Osgood & Blodgett Mfg. Co., St. Paul, Minn
National Box Co. (Exp.), 105 Jefferson, Cleveland, O.
Nickless, W. H., Bay City, Mich.
Paepske-Leicht Lumber Co. (Exp.), W. Chicago av. & N. Sangamon, Chicago, Ill.
Peart, Nields & McCormick Co., Harrison Bldg., Phila., Pa.
Pierpont Mfg. Co. (Exp.), Savannah, Ga.
Prestbrey, A. A. & Son Co., Providence, R. I.
Rice, Henry H. & Co., South Athol, Mass.
Rieckhoff, W. H. Co., New Duluth, Minn.
Rust-Owen Lumber Co. (Wisconsin Cork Pine), Drummond, Wis.
Saginaw & Manistee Lumber Co., Saginaw, Mich.
Saginaw & Rittler Box Co., 621 S. Carolina, Baltimore, Md.
Sawyer & Austin Lumber Co., Kansas City, Mo.
Schultz Bros. (Exp.), 71 B'way, New York
Sierra Lumber Co., San Francisco, Cal.
Skinner, French & Co., Barton Landing, Vt.
Smith, C. A. Lumber Co., Minneapolis, Minn.
South Muscatine Lumber Co., Muscatine, Ia.
South Side Lumber Co., Traverse City, Mich.
Southern Roller, Stave & Heading Co. (Gum Box), Elizabeth City, N. C.
Stevens Point Box Co., Stevens Point, Wis.
Stillwater Mfg. Co., Stillwater, Minn.
Stone, E. E. Lumber & Box Co. (Exp.), Spencer, Mass.
Stovall Mfg. Co., Stovall, N. C.
Sunset Door & Sash Co., Stockton, Cal.
Talbot Bros. Co., Providence, R. I.
Thompson, G. A. & Son, Hurlock, Md.
Thornton, E. A. Lumber Co., Chamber of Commerce, Chicago, Ill.
Treworgy, Charles J., Ellsworth Falls, Me.
Vance, E. J. Box Co. (Ltd.) (Exp.), Bay City, Mich.
Varney, Isaac & Sons Co. (Exp.), Fall River, Mass.
Verdi Lumber Co., Verdi, Nev.
Warrior Mfg. Co., Birmingham, Ala.
Wausau Box & Lumber Co., Wausau, Wis.
White, A. C., Saginaw, Mich.
Wing & Engle Co., Old Town, Me.

Shooks (Tub, Bucket, Etc.)

Langeland Mfg. Co. (Box), Muskegon, Mich.
Riggs Cypress Co. (Also for Washing Machines, Ice Cream Freezers), Patterson, La.

Shooting Galleries (Mechanical)

Mangels, Wm. F. (Steel), 2941 W. 5th, Brooklyn, N. Y.
Parker, C. W., Abilene, Kan.

Shot Mfrs.

Bailey, Farrel Mfg. Co., Pittsburg, Pa.
Colwell Lead Co., Lafayette & Walker, New York
Hoyt Metal Co., St. Louis, Mo., & Perth Amboy, N. J.
Markle Lead W'ks, Rialto bldg, St. Louis, Mo.
Raymond Lead Co., 55 W. Lake, Chicago, Ill.
Robertson, Jas. Mfg Co., Baltimore, Md.
Selby Smelting & Lead Co. (Drop, Chilled, etc.), San Francisco, Cal.
Shepard, Sidney & Co., Buffalo, N. Y.
Sparks, Thos. W., 121 Walnut, Phila., Pa.
Tatham & Bros., 261 Water, New York
United Lead Co., 111 B'way, New York
Wythe Lead & Zinc Mine Co., Austinville, Va.

Shot (Steel Chilled)

Bowers, R. C. Granite Co., Montpelier, Vt.
Calais Shot Works, Calais, Me.
HARRISON SUPPLY CO., 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)
Pittsburgh Crushed Steel Co. (Ltd.), Pittsburgh, Pa.
Townsend, Townsend & Co., 453 W 21st, New York

*Shot (Steel, Sand Blast)

SMITH, J. D. FOUNDRY SUPPLY CO., 1840 Scranton rd, Cleveland, O. (See adv. index, end of book)

Shovel, Spade & Scoop Mfrs.

Ames Shovel & Tool Co., Ames Bldg., Boston, Mass. Works, North Easton, Mass.
Avery Stamping Co. ("Never Break"), Cleveland, O.
Baldwin Forging & Tool Co., Columbus, O.
Beall Bros. (Inc.), Alton, Ill.
Belknap Mfg. Co., Anamosa, Iowa.
CAREY, GEO. H. (Jobber), 1 B'way, New York. (See adv. index, end of book)
Chisholm Steel Shovel Wks., Cleveland, O.
Collins Co., Collinsville, Conn.
Conneaut Shovel Co. ("Mik Kola," "Rouberg"), Conneaut, Ohio.
Hubbard & Co., Pittsburg, Pa.
Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works, Charlerol, Pa.
Indiana Rolling Mill Co., New Castle, Ind.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind. & **Market** & Randolph, Chicago, Ill.
Maynard, C. A., Northampton, Mass.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co. ("McCulloch"), "Owensboro," "Kentucky," "Handy Andy"), Owensboro, Ky.
Ohio Shovel & Stamping Co., Canal Dover, O.
Pfeifer, Jno. & Co., 222 Race, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Best-Ov-All," Contractors'), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Shovel Co., Frick bldg., Pittsburg, Pa. Works, Leechburg, Pa.
Rowland, Maxwell & Co. (Inc.), Holmesburg, Philadelphia, Pa.
Russel, J. C. Shovel Co., Pittsburg, Pa.

MIDDLESBROUGH, England.
Works : ABERDEEN, Scotland.
AIRDRIE, Scotland.

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NATHAN C. HARRISON, General Agent

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Star Shovel & Range Co., Vincennes, Ind.
Stroh, Peter (Malt), Covington, Ky.
Union Fork & Hoe Co. (Garden Spades Only), Columbus, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wood Shovel & Tool Co., Piqua, O.
Wyoming Shovel Works, Wyoming, Pa.

Shovels (Automatic Steam)

Hunt, C. W. Co., West New Brighton, S. I., N. Y.
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Thew Automatic Shovel Co., Lorain, O.

Shovels (Bakers')

Hussey-Binns Shovel Co. (Cast Steel), Pittsburg, Pa.

Shovels (Coal)

Ames Shovel & Tool Co., Ames Bldg., Boston, Mass.
Beall Bros. (Inc.) Alton, Ill.
Chisholm Steel Shovel Wks., Cleveland, O.
Chisholm, Wm. & Sons, Cleveland, Ohio.
Collins Co., Collinsville, Conn.
Conneaut Shovel Co. ("Union"), Conneaut, Ohio
Hardsocg, Martin Co., Allegheny, Pa.
Hubbard & Co., Pittsburg, Pa.
Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works, Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Maynard, C. A. ("C. A. Maynard"), Northampton, Mass.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co. (Hollow Back), Owensboro, Ky.
Pfiefer, Jno. & Co., 224 Race, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Best-Ov-All"), 30th & Liberty av., Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Shovel Co., Pittsburg, Pa.
Russell, J. C. Shovel Co., Pittsburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wood Shovel & Tool Co., Piqua, Ohio

Shovels (Cultivator)

Akron Machine Co., Akron, O.
Albright, Jas. H. & Sons, Mifflinburg, Pa.
Allen, S. L. & Co., 1017 Market, Phila., Pa.
Avery, B. F. & Sons, Louisville, Ky.
Cambria Steel Co. (Gautier Dept.), Johnstown, Pa., & Arcade bldg, Philadelphia, Pa.
Crescent Forge & Shovel Co., Havana, Ill.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gale Mfg. Co., Albion, Mich.
Harrow Spring Co., Kalamazoo, Mich.
Havana Metal Wheel Co. ("Crescent") Havana, Ill.
Hench & Dromgold Co., York, Pa.
Mason, F. C. & Co., St. John's, Mich.
Moline Plow Co., Moline, Ill.
Morrison Mfg. Co., Fort Madison, Ia.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Star Mfg. Co., Carpentersville, Ill.
Weyburn Co. ("Rockford Ideal"), Rockford, Ill.
White, S. R. & Bro., Norfolk, Va.

Shovels (Drain)

Beall Bros. (Inc.), Alton, Ill.
Harriman Hoe & Tool Co. ("Decatur"), Harriman, Tenn.
Hubbard & Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Ind.
Iwan Bros. ("Iwan's Champion"), South Bend, Ind.
Mount Pleasant Tool Co. (Long Handle), Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pittsburg Shovel Co., Frick bldg, Pittsburg, Pa.; Works, Leechburg, Pa.
Wood Shovel & Tool Co., Piqua, O.

Shovels (Electric)

Vulcan Steam Shovel Co., Toledo, O.

Shovels (Fire)

Dayton Malleable Iron Co. (Malleable Iron), Dayton, O.
Geuber & Paeschke (Fire Shovels), Milwaukee, Wis.
Hazel Atlas Glass Co. (Wrought and Stamped) Wheeling, W. Va.
Ireland & Matthews Mfg. Co., Detroit, Mich.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
Reiter, G. C., Canton, O.
Union Furnace Mfg. Co., Union Furnace, Pa.

*Shovels (Hand Dump)

FAIRBANKS, MORSE & CO. (For Quickly Moving Coal or Grain), Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)

Shovels (Lime)

Hubbard & Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Ind.
Mount Pleasant Tool Co. (Long Handle), Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfiefer, Jno. & Co. (Cast Steel), 224 Race, Phila., Pa.
Pittsburg Shovel Co., Frick bldg., Pittsburg, Pa. Works, Leechburg, Pa.

Shovels (Mining Machine)

Beall Bros. (Inc.), Alton, Ill.
Conneaut Shovel Co. ("Magyar Unions"), Conneaut, Ohio
Hubbard & Co., Pittsburg, Pa.
Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works, Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfiefer, Jno. & Co., 224 Race, Phila., Pa.
Pittsburg Shovel Co., Pittsburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

Shovels (Molders')

Beall Bros. (Inc.), Alton, Ill.
Conneaut Shovel Co., Conneaut, Ohio
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hubbard & Co., Pittsburg, Pa.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Indiana Shovel Co., New Castle, Ind.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfiefer, Jno. & Co., 224 Race, Phila., Pa.
Pittsburg Shovel Co., Frick bldg., Pittsburg, Pa. Works, Leechburg, Pa.
Wood Shovel & Tool Co., Piqua, O.

Shovels (Power, Grain)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Dodge Mfg. Co., Mishawaka, Ind.

Shovels (Snow)

Atlas Mfg. Co., Danville, Pa.
Avery Stamping Co. (Steel), Cleveland, O.
Beall Bros. (Inc.), Alton, Ill.
Benton Mfg. Co., Charlotte, Mich.
Hubbard & Co., Pittsburg, Pa.
Hussey-Binns Shovel Co. (Cast Steel), Pittsburg, Pa. Works, Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Kohler, F. E. & Co. ("Cyclone," etc.), Canton, Ohio
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Neverslip Tin Cover Co. ("Gifford's" Galvanized Steel Plate), Watertown, N. Y.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Owosso Mfg. Co. (Galvanized Steel Blade), Owosso, Mich.
Pfiefer, Jno. & Co., 224 Race, Phila., Pa.
Phillips, A. J. Co. (Wood & Steel), Fenton, Mich.
Pittsburg Shovel Co., Pittsburg, Pa.
Reiter, G. C., Canton, O.
Rugg Mfg. Co. ("Star Rugg" Wood & Steel), Greenfield, Mass.

Shovels (Steam)

(See also Buckets, Clam Shell, Etc.)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Locomotive Co. ("Atlantic"), 111 B'way, New York
Atlantic Equipment Co., 30 Church, New York
Bellefontaine Foundry & Machine Co., Bellefontaine, O.
Beatty, M. & Sons, Welland, Ontario, Canada
Browning Engineering Co., Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
CARLIN'S, THOS. SONS CO., 1610 River av (North Side), Pittsburg, Pa. (See adv. index, end of book)
Cupples Adjustable Tooth Co., Tyrone, Pa.
East St. Louis Locomotive & Machine Shop Co. (Rebuilt), East St. Louis, Mo.
Fairbanks Steam Shovel Co., Marion, O.
Heyworth, Jas. O. ("Heyworth-Newman"), Harvester bldg, Chicago, Ill.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Marion Steam Shovel Co., Marion, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Ohio Steam Shovel Co., Toledo, O.
Osgood Dredge Co., Albany, N. Y.
Souther, John & Co., 185 Summer, Boston, Mass.
Thew Automatic Shovel Co., Lorain, O.
Toledo Foundry & Machine Co. ("Victor"), Toledo, O.
Vulcan Steam Shovel Co., Toledo, Ohio.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Shovels (Steam, Second-Hand)

Apex Equipment Co. (Mfrs.' Agts.), All Kinds), 11 B'way, New York
Atlantic Equipment Co., 30 Church, New York
Baldwin Equipment & Supply C., Fisher, bldg, Chicago, Ill.
Cincinnati Equipment Co., Cullom's Station, Cincinnati, O.
Law Railing Equipment Co., Western Union bldg., Chicago, Ill.
Males Co., 1st Nat'l Bank Bldg., Cincinnati, Ohio, & 26 Cortlandt, New York
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
Mitshkun, M. Co., Detroit, Mich.
Torbet, A. C. & Co., Monadnock blk, Chicago, Ill.
SHAW, WILLIS CO., 171 La Salle, Chicago, Ill. (See adv. index, end of book)
WATSON, BENJAMIN, 66 Beaver, New York. (See adv. index, end of book)
Watson, Jno. B., Drexel bldg, Phila., Pa.
Zeinicker, Walter A. Supply Co., St. Louis, Mo

Shovels (Telegraph)

Beall Bros. (Inc.), Alton, Ill.
Hubbard & Co., Pittsburg, Pa.
Hussey-Binns Shovel Co. (Crucible Cast Steel, Handles 7 to 8 ft.), Pittsburg, Pa. Works Charleroi, Pa
Indiana Shovel Co., New Castle, Ind.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeiffer, Jno. & Co., 224 Race, Phila., Pa.
Pittsburg Shovel Co., Frick bldg, Pittsburg Pa. Works, Leechburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

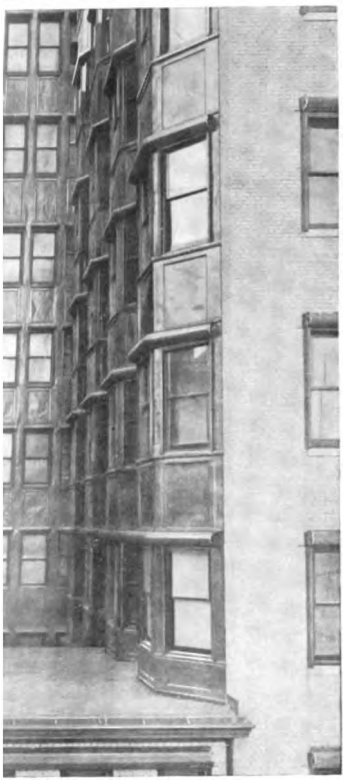
Show Case Fixtures (Metal)

Van Doorn Co. (All Finishes), Quincy, Ill.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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Steel Rolling Fireproof

Doors and Shutters

ALSO

Wood Rolling Doors and Partitions

For all classes of buildings

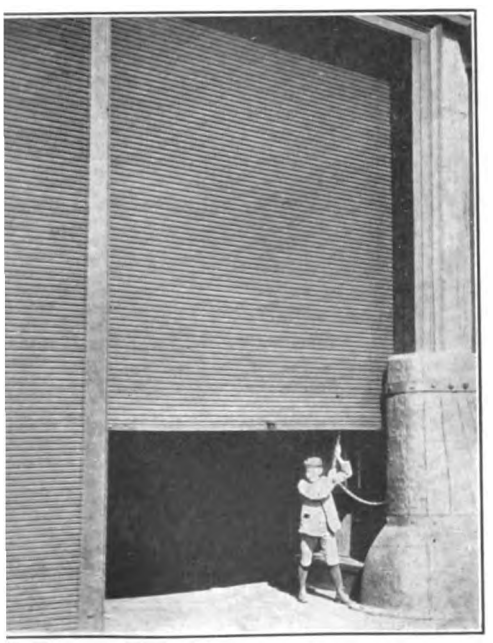
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INSIDE VENETIAN BLINDS

PIAZZA VENETIAN BLINDS

HYGIENIC WARDROBES

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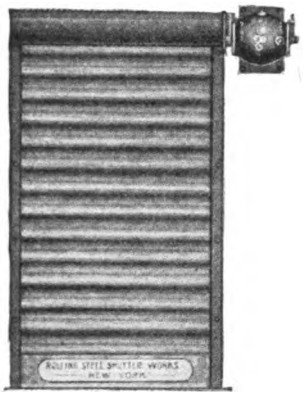
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AND

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Show Cases

American Show Case Co., 129 Grand av, Brooklyn, N. Y.
Barlow Mfg. Co., Holyoke, Mass.
Bartelstone, Harris & Son (All Glass), 56 Cooper sq., New York
Blitz Bros., 80 Norton, Chicago, Ill.
Bodach, Chas. & Sons, 187 5th av, Chicago, Ill.
Borneman & Co., 62 N 4th, Phila., Pa.
Columbus Corner Post Co., Columbus, O.
Coulson, J. W. & Co., Columbus, Ohio
Crane Glass & Mfg. Co. (All Glass), 206 St Clair av., N. E., Cleveland, Ohio
Detroit Show Case Co., Detroit, Mich.
Grand Rapids Fixture Co., Grand Rapids, Mich.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Home Supply Co., 2301 N 10th, Phila., Pa.
Illinois Show Case Works (Inc.), 874 N Ashland av, Chicago, Ill.
Jorgeson, F. C. & Co., 11 N Ann, Chicago, Ill.
Lutke Mfg. Co., Portland, Ore.
Michigan Show Case Co. ("Wolverine"), Detroit, Mich.
National Show Case Co., 20 Johnson av, Brooklyn, N. Y.
Phillips, John & Co. ("Silent Salesman"), Detroit, Mich.
Quincy Show Case Works, Quincy, Ill.
Revell, Alex. H. & Co., 198 Wabash av, Chicago, Ill.
Rochester Show Case Works, Rochester, N. Y.
Rubin Figure Co., 206 Drexel bldg, Phila., Pa.
Scott, N. S. & Co., 440 Adelphi, Brooklyn, N. Y.
Strauss, Wm., 416 Arch, Phila., Pa.
SUN MFG. CO., Columbus, O. (See adv. index, end of book)
Union Show Case Co., 56 Frank, Chicago, Ill.
Waddell, J. P. Show Case & Cabinet Co. ("Wadell Detroit"), Detroit, Mich.
Yesbera Mfg. Co., Inc., Toledo, O.

*Shredders (Chip)

JEFFREY MFG. CO., Columbus, Ohio. (See adv. index & branch offices, end of book)

*Shredders (Corn Cob)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Shredders (Ice)

Greswold Mfg. Co., Erie, Pa.

*Shredders (Leather Scrap)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Shrinkers (Tire)

Boynton & Plummer, Worcester, Mass.
Champion Blower & Forge Co., Lancaster, Pa.
Illinois Iron & Bolt Co. ("H. & B.," "Magic," "Mole," "I. I. & B. Co." & "O. & B" Shrinker & Punch), Carpentersville, Ill.
Sandage Steel Skein Co., South Bend, Ind.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Sovereign, C. E. Co (Mole), Rockford, Ill.
Victor Tool Co. ("Wolfe" Cold), Waynesboro, Pa.
Weyburn Co. ("Rockford Ideal"), Rockford, Ill.
Wiley & Russell Mfg. Co. ("Green River" Horizontal & Upright), Greenfield, Mass.

Shutes (Package)

Herrmann & Grace, 671 Bergen, Brooklyn, New York

Shutter Workers

Brockton Shutter Worker Co., Stoughton, Mass.
Mallory Mfg. Co. ("Mallory's Standard"), Flemington, N. J.
Quincy Foundry & Novelty Co. ("Pitney"), Quincy, Ill.
Sargent & Co., New Haven, Conn.
Zimmerman, G. F. S. & Co., Frederick, Md.

Shutters (Automatic, Fire)

Lane Bros. Co., Poughkeepsie, N. Y.

Shutters (Fire-Proof)

(See Doors & Shutters, Fire Proof)

Shutters (Steel)

AMERICAN ROLLING MILL CO., Middletown, O. (See adv. index, end of book)
Barnum, E. T. Wire & Iron Wks., 82 Washington av, Detroit, Mich.
BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
BOLLES, J. E. IRON & WIRE W'KS. Detroit, Mich. (See adv. index, end of book)
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton O
Dickelman Mfg. Co., Forest, O.
Eller Mfg. Co., Canton O.
Gara, McGinley & Co., 23 S 17th, Phila., Pa.
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Mesker, Geo. L. & Co. (Also Doors), Evansville, Ind.
Mesker & Bro., 421 S 6th, St. Louis, Mo.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Philadelphia, Pa.
Perkins Mfg. Co., St. Paul, Minn.
ROLLING STEEL SHUTTER WORKS (John McLean), 162 W 27th, New York. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O, & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON CO., 100 Lake, Chicago, Ill. (See adv. index, end of book)
Steel Roofing & Stamping Works, Des Moines, Iowa
Variety Mfg. Co. (Iron & Tin Clad Window), Sacramento & Carroll av, Chicago, Ill.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
Youngstown Iron & Steel Roofing Co., Youngstown, O.

Shutters (Steel Rolling)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
MEYERS, FRED. J. MFG. CO. (Fire-Proof Steel Clad), Hamilton, O. (See adv. index, end of book)
ROLLING STEEL SHUTTER WORKS (John McLean), 162 W 27th, New York. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Proof Steel Clad), 8th & Eggleston av, Cincinnati, O., & 133 B'way, New York. (See adv. index, end of book)
Variety Mfg. Co., Sacramento & Carroll av, Chicago, Ill.
WILSON, JAS. G. MFG. CO. ("Salamander"), Chief Office, 3 W 29th, New York; Mills & Factory, Norfolk, Va. (See adv. index, end of book)

Shutters (Wood Rolling)

Flexifold Door & Shutter Co. ("Flexifold"), 10 E. Worcester, Worcester, Mass.
KINNEAR MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Peirce, W. E. & Co., Milford, N. H.
WILSON, JAS. G. MFG. CO., Chief office, 3 W. 29th, New York; Mills & Factory: Norfolk, Va. (See adv. index, end of book)

Sickle & Mower Knife Grinders

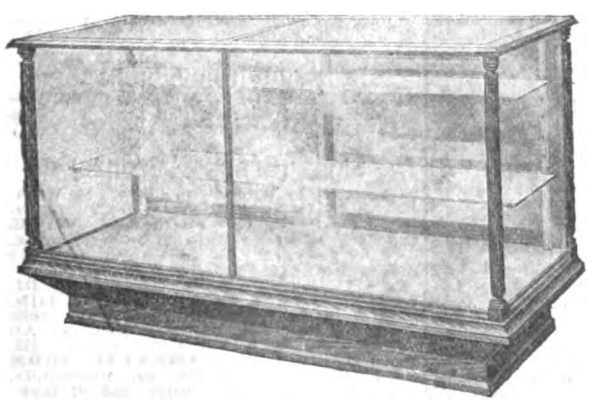
(See Grinders, Sickle & Mower Knife)

Sickles (Mower & Reaper)

(See Knives, Mower & Reaper)

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*Side Dressers for Side Files

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)

Side Edges (Plumbers')

Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.

Side Files for Saws

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Matteson Mfg. Co., 128 S Minton, Chicago, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Sidewalk Lights

(See Vault & Sidewalk Lights, Plain & Prismatic)

Sidewalk Lights (Prismatic)

(See Glass, Prismatic)

*Sidewalk Lights (Reinforced Concrete)

AMERICAN LUXFER PRISM CO., General Offices & Factory, Heyworth Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

*Siding ("Felspar")

BEAVER MFG. CO., 22 S Perry, Buffalo, N. Y. (See adv. index, end of book)

Sieves (Ash)

Hamblin & Russell Mfg. Co., Worcester, Mass.

Sieves (Flour)

Central Stamping Co. (Seamless Metallic), 174 Fulton, New York
Day, J. H. Co., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Marquette, John N., Baltimore, Md.
MYERS, FRED. J. MFG. CO. ("Hunter's," "Favorite"), Hamilton, O. (See adv. index, end of book)
National Mfg. Co., Worcester, Mass.
SPROUT, WALDRON & CO., Muncy, Pa. (See adv. index, end of book)
Wickwire Bros. (Also Coal), Cortland, N. Y.

*Sieves (Testing)

TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

*Sieves (Wire)

HOWARD & MORSE (For Grading Various Products), 45 Fulton, New York. (See adv. facing first page of Index of Contents)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

*Sight Feeds for Oiling Devices

LUNKENHEIMER CO., General Offices and Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Sights (Level)

Stearns, E. C. & Co., Syracuse, N. Y.

Sign Flashers (Electric)

Baker Electric Co. ("Reco," "Reynolds"), 17 E 24th, New York
Bissell, F. Co., Toledo, Ohio
Crescent Co. ("Crescent"), Valparaiso, Ind.
Electro Ad. Co., 51 State, Detroit, Mich.
Electric Motor & Equipment Co., 13 Beaver, Newark, N. J.
Hamblin, Jno. A. Co., Providence, R. I.
Hayes Electric Mfg. Co., Indianapolis, Ind.
Reynolds-Dull Flasher Co., 132 5th av., Chicago, Ill
Reynolds Electric Flasher Mfg. Co. ("Reco"), 101 5th av., Chicago, Ill.
Schneider, C. O. & Co. ("Firefly"), 103 State, Chicago, Ill.

Signal Car Lights

Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Smith, Chas. G., 352 Pearl, New York
Star Headlight Co., Rochester, N. Y.

Signal Cord

(See Sash Cord Manufacturers)

Signals (Block System)

American Railway Signal Co. (Automatic Electric Block Crossing Alarms), Cleveland, O.
Federal Signal Co., 103 Park av, New York
GENERAL ELECTRIC Co. (Automatic Electric), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
General Railway Signal Co., Rochester, N. Y.
Kinsman Block System Co., 50 Church, New York
UNION SWITCH & SIGNAL CO., THE (Automatic, Electric & Pneumatic Semaphore), Swissvale, Pa., 143 Liberty, New York, & Monadnock blk, Chicago, Ill.
United States Electric Signal Co., West Newton, Mass.

Signals (Distress)

Coston Signal Co. (Inc.), 5 Water, New York

Signals (Electric Mine)

Flint-Lomax Electric & Mfg. Co., 1400 Delgany, Denver, Colo.
Richmond Co., 708 Hanover, Milwaukee, Wis.
United Electric & Apparatus Co., 200 Summer, Boston, Mass.

Signals (Electric Railway)

Allen Electric Co., 153 S Jefferson, Chicago, Ill.
Baldwin & Rowland Switch & Signal Co., New Haven, Conn.
Blake Signal & Mfg. Co., Boston, Mass.
Eureka Automatic Signal Co., Tamaqua, Pa.
Federal Signal Co., 103 Park av, New York
General Railway Signal Co. ("Young," "Standard"), Rochester, N. Y.
Gibbs Electric Signal Co., Providence, R. I.
Hall Signal Co., 25 Broad, New York, & Monadnock blk, Chicago, Ill
Jordan Automatic Signal Co., 74 Beekman, New York
Kinsman Block System Co., 50 Church, New York
Lintern Car Signal Co., Cleveland, O.
Milloy Electric Co., Bucyrus, O.
Ohio Brass Co. ("Hay Cox"), Mansfield, O.
Painter, G. E., Baltimore, Md.
Telegraph Signal Co., Rochester, N. Y.
UNION SWITCH & SIGNAL CO., THE (Interlocking), Swissvale, Pa., 143 Liberty, New York, & Monadnock Blk., Chicago, Ill.
United Electric Signal Co., Providence, R. I.
United States Electric Signal Co. ("Ruddick"), West Newton, Mass.
United States Engineering Co. ("Nachod"), 920 Chestnut, Phila., Pa.
Weir Frog Co., Beech & Highland av, Cincinnati, O.
Williamson & Co. ("Ramsey"), Allegheney, Pa.
Wilson Railway Gate Co., Birmingham, Mich.

Signals (Hospital Nurse)

Electric Goods Mfg. Co., Boston, Mass.
Holzer-Cabot Electric Co., Brookline, Mass.
Novelty Electric Co., 50 N 4th, Phila., Pa.

Signals (Interlocking System)

American Railway Signal Co. (Interlocking Manual & Electric), Cleveland, O.
Federal Signal Co., 103 Park av, New York
General Railway Signal Co., Rochester, N. Y.
Rowell-Potter Safety Stop Co. (Automatic), Rookery bldg, Chicago, Ill
UNION SWITCH & SIGNAL CO., THE, Swissvale, Pa., 143 Liberty, New York, & Monadnock Blk., Chicago, Ill.

Signals (Pneumatic)

Buda Foundry & Mfg. Co., Railway Exchange bldg., Chicago, Ill. Works, Harvey, Ill.
General Railway Signal Co., Rochester, N. Y.
Pneumatic Signal Co., Rochester, N. Y.
UNION SWITCH & SIGNAL CO., THE, Swissvale, Pa., 143 Liberty, New York, & Monadnock Blk., Chicago, Ill.

Signals (Police)

Gamewell Fire Alarm Telegraph Co., 19 Barclay, New York
Pearce, Fred'k Co., 20 Rose, New York
Rochester Electric Signal Co., Rochester, N. Y.
Utica Fire Alarm Telegraph Co., Utica, N. Y.

Signals (Railway Crossing)

(See also Gates, Railway Crossing; also Railway Supplies; also Frogs, Switches, Crossings & Signals)

Baltimore Enamel & Novelty Co. (Enameled Steel), c Allen & Clement, Baltimore, Md.
Buda Foundry & Mfg. Co., Railway Exchange bldg., Chicago, Ill. Works, Harvey, Ill.
Enameled Steel Sign Co., 12 State, Chicago, Ill.
General Railway Signal Co., Rochester, N. Y.
Hall Signal Co., 25 Broad, New York, & Monadnock blk, Chicago, Ill.
Handlan-Buck Mfg. Co. ("Newton's"), 212 N 3d, St. Louis, Mo.
Harris Mfg. Co., Greenville, S. C.
Miller Signal Co., Monadnock blk, Chicago, Ill.
Penna. Steel Co., Girard bldg, Phila., Pa.
Railroad Supply Co., Bedford bldg., Chicago, Ill., and 143 Liberty, New York
Ramapo Iron Works, Hillburn, N. Y., & 30 Cortlandt, New York
Safety Train Order Signal Co., 66 B'way, New York
Standard Railway Gate Co. (Electric Magnetic), Saginaw, Mich.
Taite Railway Signal Co., Contesville, Pa.
UNION SWITCH & SIGNAL CO., THE, Swissvale, Pa., 143 Liberty, New York, & Monadnock Blk., Chicago, Ill.
United States Railway Signal Co., Fostoria, O.
Western Railway Signal Co., Fostoria, O.
Wilson Railway Gate Co. (Electrical & Mechanical), Birmingham, Mich.

Signals (Switch)

Barney & Smith Car Co., Dayton, O.
Buda Foundry & Mfg. Co., Railway Exchange bldg., Chicago, Ill. Works, Harvey, Ill.
Federal Signal Co., 103 Park av, New York
General Railway Signal Co., Rochester, N. Y.
Penna. Steel Co., Girard bldg, Phila., Pa.
Ramapo Iron Works, Hillburn, N. Y.
UNION SWITCH & SIGNAL CO., THE, Swissvale, Pa., 143 Liberty, New York, & Monadnock Blk., Chicago, Ill.

Signals (Train Order)

Adams & Westlake Co. (Telegraph), Ontario cor N Franklin, Chicago, Ill.
Barney & Smith Car Co., Dayton, O.
Federal Signal Co., 103 Park av, New York

*Signs (Advertising)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Signs (Aluminum)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Signs (Brass & Bronze)

Barnum, E. T. Wire & Iron Wks., 52 Washington av, Detroit, Mich.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Brown Bros. Mfg. Co., 22d & Campbell sts, Chicago, Ill.
CABARET, PAUL E. & CO., 242 W. 16th, New York. (See adv. index, end of book)
Chicago Metal Sign Co. (All Kinds for All Purposes), 56 W Van Buren, Chicago, Ill.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)

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GORHAM CO. ARCH'L BRONZE 5th av. & 36th, New York. Works, Providence, R. I. (See adv. index, end of book)
Henry-Bonnard Bronze Co., Mount Vernon, N. Y.
JACKSON, WM. H. COMPANY, 29 E. 17th (Union Square), New York, & 163 Michigan av, Chicago, Ill. (See adv. index, end of book)
JONES, TREVOR F. & CO. (Also Silver), 374 W B'way, New York. (See adv. index, end of book)
Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
Van Hoven, John H. H. (Brass & Silver), 42 E. 9th, New York
WINSLOW BROS. COMPANY (Also Brass & Iron). Main Office & Works, 2515 W Harrison, Chicago, Ill. (See adv. index & branch offices, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)

*Signs (Business)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Signs (Car)

(See also Signs, Enameled Steel)

Brill, J. G. Co. ("Brilliant," Reversible), 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Millen" Illuminated), Atlantic av, cor. Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co. (Indicating), Cincinnati, O.
Enameled Steel Sign Co., 12 State, Chicago, Ill.
Hunter Illuminated Car Sign Co., Cincinnati, Ohio
McLeer Engineering Co. ("F. & B."), 50 Church, New York
Morris, Elmer P. Co. ("Hunter" Illuminated), 72 Trinity pl, New York
Rawson & Evans Co., 151 W Jackson boul, Chicago, Ill.
Royal Enameled & Stamping Works, Des Plaines, Ill.
U. S. Electric Signal Co. ("Henderson" Illuminated), West Newton, Mass.
Weber Illuminating Sign Co., Reading, Pa.
Western Sand Blast Mfg. Co., 73 W Jackson boul, Chicago, Ill.

Signs (Cardboard)

Enameled Steel Sign Co. (Waterproof), 12 State, Chicago, Ill.

Signs (Celluloid)

Bastian Bros., Rochester, N. Y.
Beach, H. D. Co., Coshocton, O.
Ehrman Mfg. Co., 854 Old So. bldg, Boston, Mass.
Meek, The, Co., Coshocton, O.
Whitehead & Hoag Co., Newark, N. J.

Signs (Chipped Glass)

Rawson & Evans Co. (In Silver & Gold), 151-153 Wash'n boul, Chicago, Ill.
Suess Ornamental Glass Co., 750 Throop, Chicago, Ill.

Signs (Cloth)

Acme Sign Printing & Mfg. Co., Dayton, O.
Bemis Bros. Bag Co., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Eastern Printing & Mfg. Co., Dayton, O.
Silver Springs Mfg. Co., Silver Springs, N. Y.

Signs (Electric Illuminated)

A. & W. Electric Sign Co. ("A. & W."), Cleveland, O.
Advertising Mirrorgraph Co., 105 Liberty, Brooklyn, N. Y.
American Electric Sign Co., Boston, Mass.
American Endoscopic Co., Providence, R. I.
Art Sign Co., Syracuse, N. Y.
Betts & Betts, 330 B'way, New York
Bofinger Bros., 146 E 42d, New York
Bogenberger & Goessel, Milwaukee, Wis.
Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.
Central Construction Co., Oshkosh, Wis.
Chase Electric Co. ("Chaseco"), 102 Franklin, Chicago, Ill.
Chris Sign & Wall Paper Co., Seattle, Wash.
Colonial Sign & Insulator Co., Akron, O.
Common Sense Novelty Co., 215 S Clinton, Chicago, Ill.
Dawes Mfg. Co., Pittsburg, Pa.
De Mun Sign Co., Wilkes-Barre, Pa.
Economy Electric Co., Marion, Ind.
Edison Decorative & Miniature Lamp Dept., Harrison, N. J.
Electric Carriage Call Co. (Changeable & Permanent), 173 Christopher, New York
Electric Motor & Equipment Co. (Talking Sign), Newark, N. J.
Electro-Ad Co. ("Newest," "Phelps"), Detroit, Mich.
Empire Electric Sign Co., 162 E 118th, New York
Federal Electric Co., 124 W Lake, Chicago, Ill.
Federal Sign System (Electric), 317 W 42d, New York
FRINK, I. P., 551 Pearl, New York. (See adv. index, end of book)
Globe Electric Co., 419 W 42d, New York
Haller Sign Works ("Luna"), 319 Clinton, Chicago, Ill.
Hinsdill-Pickering Electric Co., Troy, N. Y.
Jackson, H. C., Electric Co. ("La Luciole"), Parkersburg, W. Va.
Klints, A. & Co., 68 W. Jackson boul, Chicago, Ill.
Lindstrom-Smith Co. ("Flash-I-Do"), 253 La Salle, Chicago, Ill.
Martin Bradley Co., San Francisco, Cal.
Marx Zero Sign Works ("Zero"), 100 Superior, Chicago, Ill.
Metropolitan Engineering Co., 124 W 42d, New York
Moore Electrical Co., Newark, N. J.
National Electric Sign Co., 113 Nassau, New York
Niagara Electric Sign Co., Buffalo, N. Y.
Novelty Sign Co., San Francisco, Cal.
Ohio Novelty Sign & Electric Co., Marion, O.
Opal Sign Co., 344 Broome, New York
Pacific Electric Co. ("Espersen"), La Crosse, Pause, P. & Co., 81 Erie, Chicago, Ill. Wis.
Portland Electric Sign Works, Portland, Ore.
Pyro Sign Co., 1 Madison av, New York
R. R. Sign Co., Dayton, O.
Rawson & Evans, 151 Washington boul, Chicago, Ill.
Reynolds Electric Flasher Mfg. Co. ("Reco" Flashers), 191 5th av, Chicago, Ill.
Rice, Geo. H. Co., Flatbush & 5th avs, Brooklyn, N. Y.
Solar Electric Co., 161 S Canal, Chicago, Ill.
Strauss & Co., 1574 B'way, New York
Suess Ornamental Glass Co., 192 Washington boul, Chicago, Ill.
Tidey, S. E. ("Tidey"), Newark, N. J.
Toledo Electric Sign Co., Toledo, O.
Tripp & Co., 111 5th av, Chicago, Ill.
Universal Elec. Stage Lighting Co. ("Kliegl"), 1393 B'way, New York
Universal Mfg. Co., 206 Illinois, Chicago, Ill.
Valentine Electric Sign Co., Atlantic City, N. J.
Weber Illuminating Sign Co., Reading, Pa.
Western Display Co. ("Reflectric"), St. Paul, Minn.
Western Sand Blast Mfg. Co., 73 Jackson boul, Chicago, Ill.
Western Stage Appliance Co., Oakland, Cal.
Yoerger, P. F. Sign Co., Columbus, O.

*Signs (Emblematic)

JONES, THOS. W., 22 Burling sl, New York. (See adv. index, end of book)

*Signs (Enameled)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Signs (Enameled Iron)

Baltimore Enamel & Novelty Co., Allen & Clement, Baltimore, Md.
BURDICK, JNO. R. (Steel), 77 Dearborn, Chicago, Ill. (See adv. index, end of
Caeser Bros., Long Island City, N. Y.
Climax Supply Co. ("Climax" Sign Posts & Signs), Marquette bldg, Chicago, Ill.
Enameled Steel Sign Co. (Steel), 12 State, Chicago, Ill.
Ingram & Richardson Mfg. Co., Beaver Falls, Pa.
Leonard, Wark Electric Co., Bronxville, N. Y.
Nelke, L. D. (Also Tin, etc.), 29 Murray, New York
Toledo Metal Sign Co., 222 Craig, Toledo, O.

Signs (Enameled Iron Station)

Baltimore Enamel & Novelty Co., c Allen & Cement, Baltimore, Md.

Signs (Enameled Steel)

(See also Signs, Car)

Baltimore Enamel & Novelty Co., Baltimore, Md.
Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.
Burdick Enamel Sign Co., 52 State, Chicago, Ill.
Dawes Mfg. Co., Pittsburg, Pa.
Electric Motor & Equipment Co. ("Ironclad"), Newark, N. J.
Enameled Steel Sign Co., 12 State, Chicago, Ill.
Ingraham-Richardson Mfg. Co., Beaver Falls, Pa.
National Enameling Co., Cincinnati, O.

Signs (Etched Metal)

Abbott, W. H., 1263 B'way, New York
American Name Plate & Mfg. Co., 220 Kinzie, Chicago, Ill.
Dayton Stencil Works, Dayton, Ohio
Electro Chemical Engraving Co. (Inc.), 450 19th, Brooklyn, N. Y.
Haeusermann Metal Mfg Co., 242 E. 122d, New York
Salo Art Metal Co., 19 Collier, Binghamton, N. Y.

Signs (Fence Board)

Silver Springs Mfg. Co., Silver Springs, N. Y.

Signs (Glass)

Asbury Glass Sign Co., 43 John, New York
Decorative Art Co., 37 N 3d, Columbus, O.
Densi & Phillips, 24 Dey, New York
Empire Ornamental Glass Co., 42 Renwick, New York
Herrlein & Henrich Co. (All kinds for All Purposes), 97 Hudson, New York
Jones Oecorative Glass Co., Hudson av & Concord, Brooklyn, N. Y.
Mansfield & Co., 158 Chambers, New York
National Sheet Metal Co., Peru, Ill.
Nelke, L. D., 29 Murray, New York
Rawson & Evans Co., 151 Washington boul, Chicago, Ill.
Tweed & Rau Co., 208 W Madison, Chicago, Ill.
Western Sand Blast Mfg. Co., 21st & Marshall boul, Chicago, Ill.
Wunder, J. & Co., 192 Wash'n, Chicago, Ill.

Signs (Glass Advertising)

Rawson & Evans Co., 151 Washington boul, Chicago, Ill.

Signs (Illuminated Car Destination)

Sterling-Meaker Co., Newark, N. J.

Signs (Illuminating)

Hughes, Thomas, 51 E 9th, New York

Signs (Litho. Metal)

Beach, H. D. Co., Cohocton, O.
Kaufman & Strauss, 124 5th av, New York
Meek Co., The, Cohocton, O.
New York Metal Ceiling Co., 537 W 24th, New York
Niagara Litho. Co., Buffalo, N. Y.
Sentenne & Green, 150 Nassau, New York
Shonk, Chas. W., 253 B'way, New York

Signs (Metal, Etc.)

American Can Co., 11 B'way, New York
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Chicago Metal Signs Co. (Of All Kinds of Metals), 56 W Van Buren, Chicago, Ill.
Enameled Steel Sign Co., 12 State, Chicago, Ill.
Ingraham-Richardson Mfg. Co. (Blue & White Enameled Iron Street Names, etc.), Beaver Falls, Pa.

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JONES, TREVOR F. & CO., 374 W B'way, New York. (See adv. index, end of book)

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NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Salo Art Metal Co. (Metal Etched, Engraved & Applied Letters), 19 Collier, Binghamton, N. Y.
Silver Springs Mfg. Co., Silver Springs, N. Y.
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Toledo Metal Sign Co. (Aluminum & Brass, Enameled, Japanned, Tin, etc.), 222 Craig, Toledo, O.
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Van Hoven, John H. H. (Brass & Silver), 42 E 9th, New York
Western Sand Blast Mfg. Co., 21st & Marshall boul., Chicago, Ill.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Signs (Muslin)

Acme Sign Printing Co., Dayton, O.
American Mfg. Concern, Jamestown, N. Y.
Bemis Bros. Bag Co., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Eastern Printing & Mfg. Co., Dayton, O.
Geraghty & Co., 61 La Salle, Chicago, Ill.
Globe Sign & Poster Co., Akron, O.
Nelke, L. D. (also Oilcloth), 29 Murray, New York
Parker & Granville, Ithaca, N. Y.
Silver Springs Mfg. Co., Silver Springs, N. Y.
Zero Marx Sign Works, 160 E Superior, Chicago, Ill.

Signs (Oilcloth)

(See Signs, Cloth)

Signs (Paper)

Silver Springs Mfg. Co., Silver Springs, N. Y.

Signs (Raised Letter Metal)

Hanson, C. H., 44 Clark, Chicago, Ill.

Signs (Rope Fibre)

Globe Sign & Poster Co. (And Clothline), Akron, O.

Signs (Street)

American Sign Co. (Four Way, etc.), Clyde, O.
American Steel House Co. (Steel), 796 11th av, New York
Baltimore Enamel & Novelty Co. (Enameled Iron Street Names), Allen & Clement, Baltimore, Md.
Enameled Steel Sign Co. (Street Name), 12 State, Chicago, Ill.
Ingraham-Richardson Mfg. Co. (Blue & White Enameled Iron, Street Names, etc.), Beaver Falls, Pa.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
Roberts, D. E., Racine, Wis.

Signs (Talking)

Electric Carriage Call Co., 173 Christopher, New York
Electric Motor & Equipment Co., Newark, N.J.

Signs (Translucent)

Translucent Window Sign Co., 118 W. 23d, New York

Signs (Wire)

Adams Steel & Wire Works, Joliet, Ill.
BIGELOW, CHENEY WIRE WORKS (For Roofs), Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE WORKS Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., 316 Terrace, Buffalo, New York
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
Kokomo Fence Machine Co., Kokomo, Ind.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
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Nelke, L. D. (Painted), 29 Murray, New York
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Signs & Letters (Prismatic Metal)

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Bridgeport Wood Finishing Co. (For Soapmakers, etc.), New Milford, Conn.
Nevins, Sam'l Co., 109 S. 2d, Phila., Pa.
O'Connell Lime & Marble Dust Co. (Marble-Flour for Soapmakers, etc.), Tuckahoe, N. Y.
Selling Co. (Inc.), 225 5th av, New York
Whittaker, W. H., 245 Front, New York

Silica Mfrs.

Atlas Mineral & Machine Co., Lincoln, N. J.
Babcock, H. H., Mystic, Conn.
Bridgeport Wood Finishing Co. ("Litbowite"), New Milford, Conn.
Central Silica Co., Fortville, Ind.
Davidson, Jas. H. (Inc.), 239 Front, New York
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Hanna & Andrus Mfg. Co. ("F. S. A." & Star White"), Chicago, Ill.
Hoosac Co., North Adams, Mass.
Nevins, Samuel Co., 109 S 2d, Phila., Pa.
Ohio Marble Co., Piqua, O.
Salomon, L. A. & Bro., 216 Pearl, New York

Silicate of Soda

General Chemical Co., 135 Adams, Chicago, Ill.; Ship from Hegewisch, Ill.
Grasselli Chemical Co., The Arcade, Cleveland, O., & 63 Wall, New York
Mechling Bros. Mfg. Co., Phila., Pa.
Philadelphia Quartz Co., 121 S 3d, Phila., Pa.
St. Louis Chemical Co., St. Louis, Mich.
Thomsen Chemical Co., Baltimore, Md.

Silicate-Rock

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*Silico-Manganese

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

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Silos

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Duplex Mfg. Co., Superior, Wisc.
Farmers Handy Wagon Co. (All Steel Frames), Saginaw, Mich.
Harder Mfg. Co., Cobleskill, N. Y.
Harrison, W. R. & Co., Massillon, O.
Heller-Aller Co., Napoleon, O.
Hopkins & Williams Co., Newton, N. J.
Ideal Motor Co., Lansing, Mich.
Indiana Silo Co., Anderson, Ind.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Maud S. Windmill & Pump Co., Lansing, Mich
Peek, S. H., East Aurora, N. Y.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Ross, E. W. Co., Springfield, O.
Severance Tank & Silo Co., Lansing, Mich.
Stoddard Mfg. Co., Rutland, Vt.
Smalley Mfg. Co., Manitowoc, Wis.
STEARNS, A. T. LUMBER CO., Boston, Mass. (See adv. index, end of book)
Stevens Tank & Tower Co., Auburn, Me.
Van Slyke & Co. (Round), North Tonawanda, N. Y.

*Single Phase Railway System

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Adams, E. B. & Son, Racine, Wis.
Automatic Yoke Co. (Single Trees, etc.), Indianapolis, Ind.
Avery, B. F. & Son, Louisville, Ky.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Collins, Hilton, Louisville, Ky.
Empire Plow Co. (Steel), Cleveland, O.
Fee-Crayton Hardwood Lumber Co., Little Rock, Ark.
Harris Mfg. Co. (Singletrees), Johnson City, Tenn.
Hartwell Bros. (Singletrees), Chicago Heights, Ill.
Howland Mfg. Co. (Whiffletrees, etc.), Pontiac, Mich
Lack Single Tree Co., Paducah, Ky.
Missouri Malleable Iron Co. (Singletrees & Doubletrees), E. St. Louis, Ill.
Pioneer Pole & Shaft Co., Piqua, O.
Pittsburg Tubular Steel Whiffletree Co., Pittsburg, Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis
Tanner, D. F., Holland, N. Y.
Thornburgh Mfg. Co., Bowling Green, O.
Todd Mfg. Co., New Albany, Ind.
Tower & Sullivan Mfg. Co., Rome, Ga.
Von Behren Mfg. Co., Evansville, Ind.

Singletrees (Hay Hoisting)

Louder Machinery Co., Fairfield, Iowa
Myers, F. E. & Bro., Ashland.
Porter, J. E. Co., Ottawa, Ill.

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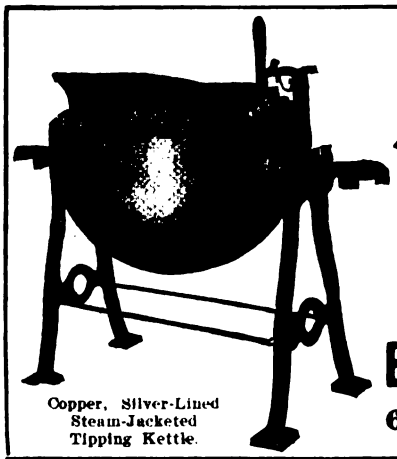
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Sinks (Porcelain)

(See Bath Tubs, Porcelain)

Sinks & Trays

(See also Bath Tubs, Various Kinds; also Laundry Tubs, Various Kinds)
Alberene Stone Co. (Soapstone), 223 E 23d, New York, & 260 N Clinton, Chicago, Ill.
Allen's, S. Sons (Slate), Fair Haven, Vt.
American Porcelain Co. (Porcelain Sinks), New Brighton, Pa.
Auld & Conger (Soapstone), 262 Prospect, Cleveland, O.
Barber Mfg. Co. (Cast Iron, White Enameled etc.), Ashtabula, O.
Blacklock Foundry Co. (Cast Iron, Stamped), S Pittsburg, Tenn.
Brian Pottery Co. (Porcelain), Trenton, N. J.
Brig, Henry (White Porcelain), 56 Wallabout, Brooklyn, N. Y.
Cahill Iron Works ("Southern Beauty" Enameled Iron), Chattanooga, Tenn.
CENTRAL FOUNDRY CO., (Cast Iron), 37 Wall, New York. (See adv. index, end of book)
Day-Ward Co. (Enameled Iron), Warren, O.
Glenn Mfg. Co. (Kitchen & Slop Sinks), St. Charles, Ill.
Graham, Charles Chemical Pottery Wks. (White Porcelain & Brown Vitrified), 986 Metropolitan av., Brooklyn, N. Y.
Hercules Iron & Supply Co. (Cast Iron), Anniston, Ala., & 427 Commercial, Boston, Mass.
Horner Sanitary Mfg. Co., 121 & 123 N 6th, Philadelphia, Pa.
Humphreys Mfg. Co. (Cast Iron Porcelain Enameled), Mansfield, O.
Illinois Marble Co. (Slate), Edwardsville, Ill.
Iron City Sanitary Mfg. Co. (Enameled Iron), 18 Wood, Pittsburg, Pa.
Iron Clad Mfg. Co. (Sheet Steel), 204 Varet Brooklyn, N. Y.
Kilbourne & Jacobs Mfg. Co. (Wrought Steel), Columbus, O.
Kohler, J. M. Sons Co. (Enameled Iron), Sheboygan, Wis.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lalance & Grosjean Mfg. Co. (Seamless Wrought Steel, "L. & G."), 299 B'way, New York
Limberg Foundry & Enameling Wks. (Enameled Iron), Florence Rd. & Symmes, Cincinnati, O.
McCrum-Howell Co. (Enameled Iron), 108 Park av, New York
McVay & Walker (Enameled), Braddock, Pa.
Maddock, Thomas Sons Co. (Earthenware), Trenton, N. J.
Meadow Brook Slate Co. (Slate Sinks), Slatington, Pa
Minns Sink & Specialty Co. (Sinks & Tubs Combined), 349 Court, Brooklyn, N. Y.
Moline Pump Co. (Cast Iron), Moline, Ill.
Monson Consolidated Slate Co. (Slate), Bath, Me.
Mott, J. L., Iron Works (Porcelain & Iron Enameled), 118 5th av, New York
National Sanitary Mfg. Co. (Enameled Iron), Salem, O.
National Soapstone Co. (Soapstone Sinks & Urinals), 885 1st av., New York
New York Slate Works (Slate), 493 E 138th, New York
Norcross Co. (Euclid Stone), Cleveland, O.
Northwestern Foundry & Supply Co. (Cast Iron Slop Sinks), Orleans nr Grand boul, Detroit, Mich.
Perth Amboy Ceramic Co. (Ceramic), Perth Amboy, N. J.
Phoenix Slate Co. (Slate), Windgap, Pa.
Ronalds & Johnson Co. (Copper), 54 Cliff, New York
Rumsey & Co. (Ltd.) (Cast Iron), Seneca Falls, N. Y.
Scotch Hill Slate Co. (Slate), Fair Haven, Vt.
Bessemer bldg., Pittsburg, Pa.
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass., Works, Abestine, Va.
Standard Sanitary Mfg. Co. (Enameled Iron), Pittsburg, Pa.
Steiger Terra Cotta & Pottery Wks. (Glazed Clay), San Francisco, Cal.
STEIN, HENRY (Mfr. Agt.) (Enameled Iron), 48 Cliff, New York
Swett, A. L. Iron Works (Cast Iron), Medina, N. Y.
Trageser's, Jno. Steam Copper Works (Copper), 447 W 26th, New York
Trenton Potteries Co. (Earthenware), Trenton, N. J.
United States Sanitary Mfg. Co. (Enameled Iron), Arrott bldg, Pittsburg, Pa.
Walls, Owen & Stambach Co. (Soapstone), 11th & Ridge av, Phila., Pa.
Weiskittle, A. & Son, Aliceanna & Washington, Baltimore, Md.
Wheeling Enameled Iron Co. (Enameled Iron), Wheeling, W. Va.
Wolff, L. Mfg. Co. (Cast Iron, Steel, Porcelain Lined, Grey, Enameled, Slate & Soapstone), 117 W Lake, Chicago, Ill., & Denver, Colo.



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Sirens (Steam)

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NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)

Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Size

(See also Paste)

American Type Founders Co. (Gold), 6 Duane, New York

Ault & Wiborg Co. (Gold), Cincinnati, O.

Babcock, Jno. & Co. (Gold), 86 Western av, Boston, Mass.

Calumet Mfg. Co., Adams, N. Y.

Carolina Sizing Co., Charlotte, N. C.

Cleveland Varnish Co. (Gold), Cleveland, O.

Devoe, F. W. & C. T. Reynolds Co. (Gold), 103 Fulton, New York

Diamond Paste Co. (Vegetable), Albany, N. Y.

Fox, M. E. & Co. (Paperhangers), 136th & Rider av, New York

Gillespie, L. C. & Sons (Gold), 6 Fletcher,

Holt, J. & Co., Lowell, Mass. New York

Hoyt, Arthur S., 90 W. B'way, New York

Keystone Paste Co., 232 N Water, Phila., Pa.

Longman & Martinez (Gold), 207 Pearl, New York

McMeekan, D. Mfg. Co. (Paper), 1070 Pacific, Brooklyn, N. Y.

Mayer & Loewenstein (Gold), 170 Fulton, New York

Morrill, Geo. H. Co. (Gold), 155 Pearl, Boston, Mass.

Paper Makers Chemical Co. (Rosin, Combination), Easton, Pa.

Pierce, F. O. Co. (Gold), 170 Fulton, New York

Salomon, L. A. & Bro. (Gold), 216 Pearl, New York

Sisk, R. J. (Paperhangers & Painters), New London, Conn.

Waxine Size Co., Fall River, Mass.

Well, S. & Sons, 194 Franklin, New York

Wiggins, H. B. Sons Co., Bloomfield, N. J.

Sizers (Wood Turners')

Kraeuter & Co., Newark, N. J.

Sizing (Decorators')

Manhattan Color Works ("Manhattan" Alum Size), 197 Amsterdam av, New York

*Sizing for Whitewash

GROSCHE, BRUNO & CO., 13 Jones Lane, New York. (See adv. index, end of book)

Skate Mfrs.

Barney & Berry (Ice), Springfield, Mass.

Brown Spring Ice Skate Co. (Ice), Webster City, Ia.

Brown Spring Ice Skate Co. (Ice), Webster City, Iowa

Chicago Roller Skate Co. (Roller, 3 Wheels), 65 S. Canal, Chicago, Ill.

Cycle Skate & Sporting Goods Co. (Pneumatic Roller), 37 Park, New York

Henley, M. C. (Ice & Roller), Richmond, Ind.

Lowentraut, R. Mfg. Co. ("U. S." Ice), Newark, N. J.

Martin-Skate Co. (Folding), 208 Camden, Boston, Mass.

Raymond Skate Co. (Ice), Charlestown, Boston, Mass.

Richardson Ball Bearing Skate Co. (Pneumatic Roller), 501 N. Wells, Chicago, Ill.

Schoverling, Daly & Gales (Ice), 302 B'way, New York

Union Furnace Mfg. Co. (Ice), Union Furnace, Pa.

Union Hardware Co. (Ice & Roller), Torrington, Conn.

Winslow, Samuel Skate Mfg. Co. (Ice & Roller), Worcester, Mass.

Skeins (Wagon)

American Skein & Foundry Co. ("Rocky Mountain" Steel, "Sandage," "Columbus," "Red Label," "Anderson Leader" Wrought Steel, "D. V.," "Indiana" Cast, "Brown's," "Hoosier"), Racine, Wis.

Illinois Iron & Bolt Co. ("D. V. & Co," "I. I. & B. Co.," "Dundee" Cast Iron, "Wright" Sand Arrester, "Columbia" Steel, etc.), Carpentersville, Ill.

Schreyer, G. (Steel), 210 W Broad, Columbus, Ohio

Southern Skein & Foundry Co. (Steel & Cast), Chattanooga, Tenn.

Skewers (Steel Meat)

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Central Stamping Co., 174 Fulton, New York

Hamblin & Russell Mfg. Co., Worcester, Mass.

Landers, Frary & Clark, New Britain, Conn.

McVoy Tub, Pail & Package Co., Minneapolis, Minn.

Skidders (Log)

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Lindsey Wagon Co. (Self-Loading), Laural, Miss.

RUSSELL WHEEL & FOUNDRY CO. (Steam), Detroit, Mich. (See adv. index, end of book)

Skids

Anderson & Sons Co., Detroit, Mich.

Boston & Lockport Block Co., Boston, Mass.

Branchville Ice Tool Wks., Branchville, Conn.

Diamond Iron Works, Minneapolis, Minn.

Fairbanks & Co., Broome & Lafayette, New York

Farmer's Handy Wagon Co. (Gasoline Engine), Saginaw, Mich.

Howe Scale Co., 1315 Wabash av, Chicago, Ill.

Kilbourne & Jacobs Mfg. Co., Columbus, O.

Lansing Wheelbarrow Co., Lansing, Mich.

New York Wheelbarrow Co., 180 West, New York

Western Wheelbarrow & Mfg. Co., Lansing, Mich.

Zering, H. Mfg. Co., Cincinnati, O.

Skimmers (Boiler)

(See Cleaners, Skimmers, Boiler)

Skips (Mining)

ALLIS-CHALMERS CO. (Dumping & Hoisting), Milwaukee, Wis. (See adv. index & branch offices, end of book)

Chalmers & Williams (Vertical Self-Dumping), Commercial Nat'l Bank bldg, Chicago, Ill.

Globe Iron Works (Inc.) (Ore & Water), Stockton, Cal.

Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.

KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Lake Shore Engine Works, Marquette, Mich.

Leyner, J. Geo., Engineering Works Co., Littleton, Colo.

Power & Mining Machinery Co. (Ore & Water), Cudahy, Wis.

Schalkenbach & Budke, Jersey City, N. J.

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AMERICAN HOIST & DERRICK Co., St. Paul, Minn. (See adv. index & branch offices, end of book)

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White, Robt. Engineering Wks., ft. of Columbia, Brooklyn, N. Y.

Williams, G. H. Co., 1513 Rockefeller bldg, Cleveland.

*Skylight Lift

BICKELHAUPT, GEO. SKYLIGHT Works, 243 W. 47th, New York. (See adv. index, end of book)

Skylight Ventilating Apparatus

(See also Ventilating Apparatus for Greenhouses & Buildings)

American Skylight & Iron Works, 221 Randolph, Jersey City, N. J.

DROUVE, G. CO. ("Lovell") 40 Tally, Bridgeport, Conn., & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)

Enterprise Mfg. Co. (Automatic), Newburgh, New York

Howard, S. I. (Automatic Lift), Worcester, Mass.

Lyster Sheet Metal Co. ("Lyster"), 1216 Filbert, Phila., Pa.

National Skylight & Ventilator Co., Rochester, N. Y.

National Ventilating Co., 1 Madison av, New York

Ormsby, E. A., 10, Thacher, Boston, Mass.

Quaker City Machine Co. ("The Evans"), Richmond, Ind.

Weathered Co., Orient & West End ave, Jersey City, N. J.

*Skylight Wire Glass

MISSISSIPPI WIRE GLASS CO., 113 B'way, New York, & St. Louis, Mo. (See adv. index, end of book)

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Forderer Cornice Works, 269 Petrero av
Jackson, P. H. Co., 228 1st

COLORADO.

DENVER—Fair, Chas. W. Cornice Works Co., Kessler, Fred., 2708 Larimer 1809 Blake
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CONNECTICUT.

BRIDGEPORT—Bridgeport Cornice Works, 227 John
DEOUVE, G. CO. ("Anti-Pluvius"), 40 Tulip. (See adv. index, end of book.)
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Reilly, J., Jr., 288 State
Schwing, John Corp., 863 Wood av
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Stelling, Frederick W., 98 Franklin
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Buckingham, Routh Co., 151 Court
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Gill, John M., 256 N Main
Hardwick, C. A., 18 Bishop
Weyand, Henry Co. (Inc.), 16 Jefferson

DELAWARE.

WILMINGTON—Wilmington Cornice Works

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Hulse, Edgar J., 321 13th, n w
Mathy Co., 1918 Pennsylvania av, n w
Stockstill, D. W. & Co., 211 12th, n w
Whyte, W. M., 306 18th, n w
Wolfsteiner, C. L. Co., 1315 W, n w

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Warlick Sheet Metal Mfg. Co.

ILLINOIS.

BRADLEY—Watson, Jas. H. Co. (Inc.)
CHICAGO—**AMERICAN LUXFER PRISM** Co., Heyworth bldg. (See adv. index, end of book)
Anderson, Lars, 465 Grand av
Armbruster, Louis, 767 Lincoln av
Bremer, Henry F., 1136 W 18th
Burkhardt, G. Mfg. Co., 940 N Clark
CHICAGO SIDEWALK LIGHT CO., 103 Reaper blk. (See adv. index, end of book)
Clasen, E. L. & Co., 3114 Shields av
Dauchy Iron Works (Iron Frame), 84 Illinois
Erickson, Jno. T., 4430 La Salle
Farwell Cornice Co., 1304 Southport av
Griffith Cornice Works, 2441 Wabash av
Gross, Geo. M., 1445 State
Illinois Roofing & Cornice Co., 329 W Kinzie
Jaeger, Fred. J. C., 571 W 17th
Jennings, M. L. Co., 57 W Jackson boul
Jensen, C. E., 1218 W North av
Knisely Bros., 28th pl & 5th av
KNISELY, H. C. CO., 273 S Canal. (See adv. index, end of book)
Krefting, Edw., 117 W Van Buren
Kuder, C. V. Co., 5315 Wentworth av
Lang, Wm., 300 Warsaw av
Liddle, Robert, 2608 State
McFARLAND, J. C. & CO., 27th & 5th av. (See adv. index, end of book)
McIlroy Cornice Works, 1519 State
Miller, Jas. A. & Bro. 129 S Clinton
Noyes, E. A., 584 W Lake
Perkinson & Brown, 113 N Lincoln
Peter, Jno., 632 N Wood
Purdy & Cauble, 800 W 63d
Rysdon, E. A. & Co., 627 W 41st
Slavik & Co., 425 Blue Island av
Spiess, Edw., 954 N Clark
Universal Cornice & Roofing Co., 970 S Troy
Voigtmann, Frank Cornice Co., 91 Indiana
Wagner Bros., 1350 Diversey boul
Warner, Chas. W., 93 W Harrison
Yeldham, H. G. (Metal), 269 W Van Buren
GALESBURG—Galesburg Cornice Works
Willis Mfg. Co.
KANKAKEE—Reuter, Henry
LA SALLE—Camenish, G. S.
MOLINE—Willis & Sons Co.
PEORIA—Bushnell, A. A. & Son, 1317 S Washington
Hunter & Strehlow, 114 S Adams
Johnson, Chas. Hdw. Co., 2023 S Adams
Kellerstrass, Robert
Meyer, F. & Bro. Co., 305 Gallatin
Peoria Roofing Co., Maple & Forsythe
Wilson, R. L. & Co., 3017 S Adams
QUINCY—Berghofer, Mitchell Co.
ROCKFORD—Drake Tucker Hardware Co.
Martin, Alfred & Co.
SPRINGFIELD—Foster, Wm. & Sons Co.
Robinson, Henson Co.
STERLING—Taylor, F. B. & Co.
STREATOR—Powers & Williams

INDIANA.

EVANSVILLE—Lohse, H. Co.
Mesker, Geo. L. & Co.
FORT WAYNE—Gerding & Aumann Bros.
Welch, J. H. & Sons, 190 Calhoun
INDIANAPOLIS—Emsey, Orvis B., 1306 N Senate
Gardner, Jos., 37 Kentucky av
Hawkins, Rollyn Co.
Humphreys & Sargent, 134 E Court
Indianapolis Corrugating Co.
MARION—Hollinger, M. G. & Co.
SOUTH BEND—Lauber, J. C. & Co.
TERRE HAUTE—Smith's, C. C. Sons Co.
VINCENNES—Vincennes Galvanized Works

IOWA.

CEDAR RAPIDS—Cedar Rapids Cornice Works
Grissel, J. P. Cornice Co.
DAVENPORT—Hipwell, Chas. G.
Reimers, P. A.
DES MOINES—Fischer, John
Kurts, L. H. Co.
St. John & Barquist Co.
DUBUQUE—Klauer Mfg. Co.
IOWA CITY—Maresh Bros.
OSKALOOSA—Wells, Porter & Stump

KANSAS.

ATCHISON—Walcott, H. C.
NEWTON—Bergh, Wm.
TOPEKA—Van Dorp, Louis

KENTUCKY.

COVINGTON—Glaser, Wm. A. Roofing & Cornice Works
LEXINGTON—Bitterman, Edw. & Son
LOUISVILLE—Heartick, E. G., 1308 Preston
Louisville Cornice & Roofing Co., 226
Wagner, J. F. & Sons, 1375 7th 10th
Wulff, W. C. & Co., 608 E Jeff'n
NEWPORT—Rust, Lawrence & Son, 909 Monmouth
OWENSBORO—Southern Foundry Co.

LOUISIANA.

NEW ORLEANS—Eichorn, Mrs. Ludwig
New Orleans Roofing & Metal Works, 926 Lafayette

MAINE.

LEWISTON—Stetson, J. H. Co.
PORTLAND—Hollivan & Parker, 36 Cross
Hutchinson & Cain, 438½ Fore
Scott, Wm. H. Co., 29 Union

MARYLAND.

BALTIMORE—Banks, Wm. H. & Sons, 405 Druid Hill av
Bartlett, Hayward & Co., Continental bldg
Clifton Cornice & Skylight Works, 427 N
Cotton, Wm. E., 1600 Hartford av High
Fingles, W. A., 1533 Maryland av
Fitzberger, Jno. Metal Cornice Co., 113 Clay
Hetzell, Jno. G. & Son, 225 N Howard
Hicks, Chas. A., 911 3d av, N
Kohlhepp, A., 406 N Howard
Lenderking, P. H., Jr., Dillon & Patuxent
Moore, A. D., 405 Druid Hill av
Northwestern Cornice Works, 1506 Penna av
PRUDEN, C. D. CO. Warner, Bayard & Dock. (See adv. index, end of book)
Valle & Young, 216 N Calvert
Wilhelm, J. F., 748 Pennsylvania av
Zimmers, A. M., 1808 Frederick av

MASSACHUSETTS.

BOSTON—Ames & Ginty, 101 Tremont
Anderson, C. & Co., 41 Way
BADGER, E. B. & SONS CO., 75 Pitts. (See adv. index, end of book)
Boston Cornice & Skylight Co., 43 Bristol
Finkelstein, M., 37 Spring
Forrest, Alfred W., 464 Harrison av
Gulesian, M. H., 16 Waltham
Harrigan, J. & Son, 111 Liverpool
Hicks, S. D. & Son, 17 Bowker
Jeffers, Wm., 77 E Joy
Maguire, W. J., 46 Cornhill
Marley Bros., 1 Wareham
Mayberger, Edw. F., 1 Willow Park
Pemple, Fred'k, 1462 Columbus av
Pemple, Geo. Co., 27 Eustis
Raymond, John B. Co., 48 India
Union Cornice Co., 7½ Appleton
Van Noorden, E. Co., 944 Mass. av
Williams & Poore, 38 Haverhill
CAMBRIDGE—Douglass, Geo., 266 Prospect
Eagle Cornice & Skylight Works
FALL RIVER—Hughes, J. T., 140 3d
FITCHBURG—Jennison Co.
HOLYOKE—Frederich, E. Hugo
LOWELL—Cushing, Daniel & Co.
Mack, W. A. Co.
LYNN—Bee, Jno. D. & Sons
NEW BEDFORD—Wood, Brightman & Co.
QUINCY—Angier Mills (Rubber Glass)
SALEM—Eklund, Victor
SPRINGFIELD—Atwater, E. C. & Co., 21 Taylor
Brunton, M. J. & Son, 178 Liberty
Hampden Cornice Works, 26 Taylor
Pratt, H. J. & Co., 97 Dwight
Wilson, Robt., 341 Worthington
WORCESTER—McNally, D. E. & Co., 24 Houghton
New England Steel Roofing Co., 274 Main

MICHIGAN.

BATTLE CREEK—Battle Creek Furnace & Roofing Co.
DETROIT—Berschbach & Herz, 599 Gratiot av
Bertling, Paul C., 344 Grand River av
BURTON, W. J. CO., 161 W Congress. (See adv. index, end of book)
Candler, J. D. & Co., 177 High, E
Clark, James F., 18 Grant ct River av
Detroit Cornice & Slate Co., 145 St. Antoine
Eagle Cornice & Roofing Co., 959 Fort, W
Hines, H. C. & Co., 354 Humboldt av
Howie Roofing Co., 374 4th av
Hutton, Rob't & Co., 112 Fort, E
Lewis, Henry B., 45 Jos Campau av
Michigan Cornice & Slate Works, 117
Orth, Adam J., 166 Hastings Fort, E
Pudrith & Candler, 76 Brush
Union Sheet Metal Works, 815 Russell
Voigt & Sexauer, 148 Sherman
Wrench, C. E., 200 Beaubien
GRAND RAPIDS—Grand Rapids Sheet Metal & Roofing Co.
Hopson, W. C. & Co., 25 Campau
Reynolds, H. M. Roofing Co.
Sokup, F. J., 121 S Front
Weatherly Co.
JACKSON—McGraw & Crone
KALAMAZOO—Kalamazoo Cornice Works
SAGINAW—Jacobi, Alexander, 809 Genesee av
VALLEY CORNICE & SLATE CO., Ltd., 314-318 N. Hamilton, W S. (See adv. index, end of book)

MINNESOTA.

DULUTH—Burrell & Harmon, 18 W 1st
Deetz & Co., 108 W 1st
Duluth Corrugating & Roofing Co.
Helbing, L. R. Co.
Hollihan & Milostan
MINNEAPOLIS—Crittendon Roofing & Mfg. Co., 918 S 4th
National Roofing & Concrete Co., 1412 S
Nees, Louis & Co., 1207 3d, S 7th
Northwestern Roofing, Cornice & Stamping Works, 1111 S 5th
Selden Roofing & Mfg. Co., 76 Western av
Stremel Bros. Roofing & Cornice Co., 1215 Washington av, N
ST. PAUL—Griffin & Boehme, 121 University av
Laubach, Jacob A., 152 Baker
Lefebvre-Desiauriers Roofing & Cornice Co., 311 Chestnut
Minnesota Roofing & Cornice Works, 185 12th
St. Paul Roofing, Cornice & Ornament Co.
Scribner-Libbey Co., 219 W 5th
WINONA—Magnus & Wilkens
Magnus & Wilkens

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MISSOURI.

CAPE—GIRARDEAU—Vogel, W. H.
KANSAS CITY—Kornbrodt, Kornice Co., 1811 Forest av.
MILWAUKEE ARTISTIC METAL Ceiling Co., 927 W 8th. (See adv. index, end of book)
Ritzler, J. A. Cornice & Ornament Co.,
Sick, W. F., 2804 E 18th 2410 E 18th
Stoeltzing Stove & Hardware Co., 1605
Twichell Iron Co., 220 W 3rd Grand av
Vanstone, Walter, 2910 E 18th
Weis, Henry Cornice Co., 1811 Wyandotte
MOBERLY—Stauffer, P. & Co.
ST. JOSEPH—Seaman & Schuske Metal Works, 1604 Frederick av
Wehrman, Wm., 119 N 24
ST. LOUIS—Blobm, Chas. H., 1120 Emmet
Gerock Bros. Mfg. Co., 1252 Old Manchester rd
Hiller & Chambers, 4579 Easton av
Meaker & Bro., 421 S 6th
Murphy, E. & Co., 3727 Easton av
Powers & Boyd Cornice & Roofing Co.
Von-der-Au & Cluss Mfg. Co., 2404 S Jefferson av

MONTANA.

HELENA—McKinnon, H. A., 405 N Main
Mitchell, John, 352 N Main

NEBRASKA.

CRAWFORD—McNair, Robert
OMAHA—Carter, R. L., 1724 St. Mary's av

NEW HAMPSHIRE.

MANCHESTER—Lawson, H. J.

NEW JERSEY.

BAYONNE—Devanney, J. J., 297 B'way
CAMDEN—Metallic Mfg. Co.
ELIZABETH—Elizabeth Cornice Works
Hoffman, L. A. & Son
HOBOKEN—Leonard Sheet Metal Works (Inc.), 219 Grand
JERSEY CITY—American Skylight & Iron Works ("Helliwell" Puttyless & "Secondus"), 221 Randolph
Anderson Bros. Co., 394 Grove
NATIONAL SHEET METAL ROOFING Co., 339 Grand. (See adv. index, end of book)
Pfistner, Fred'k, 108 Lincoln
Rader, Henry, 27 Thorne
Ringle, Jacob & Son, 83 Newark av
Schreck & Waelty, 27 Hague
NEWARK—Allwood, Jos. R., 39 Marshall
Baier & Conrad 336 Hunderton
Berla, Elias, 232 Mulberry
Bleeker, Jos., 130 South
Central Cornice & Skylight Works, 160 N 1st
Ding & Teuscher, 470 18th av
Engelberger, F. & W. V. Co., 159 Jelliff av
Essex Cornice & Skylight Works, 109 Houston
Hammond, Theo. C., 13 Ferry
Himmel, Louis & Co., 115 Belmont av
Newark Cornice & Skylight Works, 9
Schwing & Co., 190 Ferry 17th av
Smith, Frank F., 19 Division
Steinberg, Jacob, 225 Belmont av
Zenglein, John A., 45 Winans av
PASSAIC—Falstrom & Tornquist
PATERSON—Lendrim, H. C. Co., 82 Clay
McNeil, Lawrence W.
Quinn Bros., 9 Fair
SCOTCH PLAINS—Jahns, Rob't Sons
WEST HOBOKEN—Gutschmidt, W. H., 810 John

NEW YORK.

ALBANY—Ackroyd, James & Sons, 964 B'way
Fitzgerald, Jno. L., 22 Beaver
Gorman, Jas. J., 14 Norton
Hoffman, J. H. B., 90 Green
Hood, W. R., 115 Hamilton
MacNee & Rabe, 659 B'way
Walsh's, James D. Sons, 40 Sheridan av
BINGHAMTON—Freeman, E. G. & Co.
McIntyre & Hull
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Bauer's, Chas. Sons, 59 William
Christmann, Philip & Sons, Virginia & Orange
Degenhart & Co., 1010 Niagara
Eberz, Peter, 285 Dearborn
Elsinghorst, John H., 574 Michigan
Gruber, Rupert & Co., 541 Sherman.
Lindsay Wilson, 167 E Ferry.
Machwirth Bros. Co., 201 Oak
Peters, G. H. Co., 280 Oak
Rademacher Bros., 345 Fox.
COHOES—Loop. Wm. H.
ELMIRA—Barker, Rose & Clinton Co.
KINGSTON—Wieber, Henry E. (Est. of)
NEWBURGH—Atlas Roofing Co.
Shannon & Co., 107 Liberty

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Ahern, A. W., Bay 24th av nr
Baussmann, Henry, 8 Lombardy Bath
Bent & Becker, 829 Myrtle av
Beer, Max F., 1022 B'way
Blecher Bros., 49 Nostrand av.
Bloch, Jos., 34 Grand
Buchanan, Wm., 488 Sumner av
Buell, C. S. Co., 26 Court
Burger & Gohlke, 232 7th
City Cornice & Skylight Co., 906 Flushing
Cohen, Henry, 395 Rockaway av
Davis', John Sons, 170 Court
Friedberg & Klein, 278 Division av
Gogarty, Michael J. (Copper & Galvanized Iron), 1531 Fulton
Greenthaler, Chris., 333 Throop av
Haines, A., 87 Fulton
Herrmann & Grace, 671 Bergen
Hoellerer, Jos., 91 Union av
Kuhnle, August, 10 Lorimer
Metropolitan Cornice & Skylight Works, 79 Metropolitan av
Mildner, Chas., 465 Flushing
Muller, E. A. & Bro., 687 4th av
Ostergren, Sam'l & Sons, 727 3d av
Otto, Jno. M., 46 Manjer
Schnabel, Casper, 1470 Myrtle av
Schnitzspan, Henry V., 800 Wythe av
Schratwieser Fireproof Construction Co., 426
Seton, John, 78 Washington av 3d av
Smith, Air Chamber Sky Light Co., 17
Wachter, Gus H., 129 Stanhope Fulton
Weiss, Adolph, 903 Myrtle av

Boroughs of Manhattan & Bronx.

NEW YORK—Abbott's, M. Sons, 137 8th av
AMERICAN LUXFER PRISM CO., 507 W B'way. (See adv. index, end of book)
Anderson, Albin, 291 E 137th
Architectural Cornice & Skylight Works, 325 W 38th
Architectural Metal Works, 1192 2d av.
Bauman, Jos. & Son, 79 E 4th
Beer & Hess, 223 W 35th
Berglund, Chas. & Son, 774 3d av
BICKELHAUPT, GEO. SKYLIGHT Works, 243 W 47th. (See adv. index, end of book)
Bois Sheet Metal Works, 562 W 34th
Breivogel, Geo., 46 Rose
Bronx Metal Works, 1833 Washington av
Cary-Doerhoefer Co., 126 E 129th
Coleman & Krause, 515 W. 29th
Curry, P. & Son, 61 Wooster
Dietze, Oscar, 242 E 80th
Erker, Adam M., 432 W 37th
Essenwanger, Chas., 280 E 148th
Fordham Cornice Works, 684 Pelham av
Ginger Skylight Co., 218 W. 37th
Goldman, Barney, 520 W. 40th
Harlem Cornice & Roofing Co., 1960 Park
Harrison, M. & Son, 214 E. 52d av
Hayes, George Co., 71 8th av
Hell Gate Sheet Metal Works, 236 E 95th
Jampol & Martz, 132 W Houston
Kalbert, Adolph & Son, 170 3d
Kramer, Morris, 569 3d av.
Lupton's, David Sons Co., 50 Church
McFARLAND, J. C. & CO., 213 & 215 E 44th. (See adv. index, end of book)
Mark, Jacob Sons (Iron Frame), 7 Worth
May, Wm. M. Co., 708 11th av
Morrow, Jno. Co., 225 W 50th
National Ventilating Co. (Steel Puttyless), 1 Madison av
NEW YORK PRISM CO., 497 W. B'way. (See adv. index, end of book)
Nicholson & Gallaway, 646 Hudson
Pfeifer Bros., 473 Greenwich
Rendle, Arthur E. (The Paradigm), 18 W
Rosenberg, Adolph, 512 E 17th 34th
Saron, David, 2164 Madison av
Schwoerer, A. & Sons, 530 E 80th
Smith, Moritz, 1045 3d av
Smith & Dorsett Co., 403 E 47th
Steckler & Feder, 246 Ave B
Taylor, E. R. Co., 160 5th av
United Cornice & Skylight Works, 153
Vincent, Wm. E. D., 133 E 118th Lewis
Vogt, Geo. J., 315 E 60th
Westergren, Moritz F., 213 E 144th

(End of New York City)

NIAGARA FALLS—Machwirth Bros. Co.
POUGHKEEPSIE—Aldrich, Elbert, 363 Mill
ROCHESTER—Goggin & Knowles, 50 Franklin
Haskins & Co., 397 Main E
National Skylight & Ventilator Co. (Ventilated & Puttyless)
Siddons, John Co., 65 N Water
SYRACUSE—Bradford & Deruchie, 439 E Water
Cashman & McCarthy, 372 W Fayette
Curran, James
Talbott, Thos. & Son, 240 W Water
TROY—Loeble, Wm., 422 River
Manogue, Edw. Co., ft Grand
UTICA—Metal Roofing & Cornice Co., 71 Main
YONKERS—Fitzgerald, David, 202 New Main
McVicar, Thos., 80 Dock
McVicar, Wm. H., 83 Woodworth av

NORTH DAKOTA.

GRAND FORKS—Barnes & Nuss Co.

OHIO.

AKRON—Kasch Roofing Co.
CAMBRIDGE—Cambridge Roofing Co.
CANTON—**BERGER MFG. CO., THE.** (See adv. index, end of book)
CANTON MFG. CO. (See adv. in-
Eller Mfg. Co. dex, end of book)
Kannberg Roofing & Ceiling Co.
CINCINNATI—Beckman, Wm., 1543 Race
Blum, Albert, 2837 Woodburn av
Brandis, Wm., 3109 Reading rd
EDWARDS MFG. CO., 545–565 Eggleston av. (See adv. index, end of book)
Emmers Cornice Co., 1007 B'way
Freund, Jacob Roofing Co., Mitchell av & B. & O. S. W. R'y
Greiwe, Edw. & Bro., 1128 B'way
Lee, Thos., Elm & Race
Queen City Exhaust & Blow Pipe Co., 1732 Central av
Standard Roofing Co., 1662 Providence
Weissenberger, Geo. G., 4004 Spring Grove
Witt Cornice Co., 2118 Winchell av
Witt & Brown, 215 W 3d
CLEVELAND—Callaghan, J. & Sons, 1119 Superior, N E
Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av, N W
Garry Iron & Steel Co., 1270 E 53d
Mannen & Esterly Co., 2241 St. Clair av, N E
Ohio Roofing Co., 1477 Euclid av
Ortli, Chas. F., 2510 Barber av, S W
Riester & Thesmacher Co., 1512 W 25th, N W
Rudolph & Son Co., 416 Prospect av, N W
Stran, C. W., 1288 E 9th
COLUMBUS—Schilling, John N., 193 N Grant
Schoedinger, F. O., 146 N 3d av
DAYTON—Bretch, A., 120 E 5th
Buvinger, G. W. & E. E., 323 E 3d
Kenney, J. R., 251 S Wayne av
Wuichet, Chas. & Co., 14 S Canal
FINDLAY—Gates, N. S.
Hoffman & Bryan
HAMILTON—Schlosser, Jacob, & Son
MANSFIELD—Martin, C. E. & Bro.
SALEM—**MULLINS, W. H. CO. (Steel).** (See adv. index, end of book)
SPRINGFIELD—Peet & Schuster Co., 28 S Fountain av
TOLEDO—Gerken, J. D. & Co., 1309 Washington
Hofer, Fred'k, Jr., ft of Washington
Hofer, G. & Co., 13 S St. Clair
Toledo Cornice & Copper Works, 120 Ottawa
Wernke Bros. Co., 23 Erie
ZANESVILLE—Snyder Roofing Co.

OREGON.

PORTLAND—Bayer, J. C. Furnace Co., 205 Second
Burkhart & Weaverson, 305 4th
Hirschberger, H. H.
Tilton Bros., 105 5th N
Wynkoop, L. W.

PENNSYLVANIA.

ALLEGHENY—Allegheny Cornice & Skylight Co.
Irwin, Thos. W. Mfg. Co., 411 Rebecca
Scholes Bros., 1241 Rebecca
ALTOONA—Hughes, J. C. & Son
BETHLEHEM—Lehigh Valley Cornice Works
CARNEGIE—Rome, Geo. & Co.
CHESTER—Armitage, Geo. L.
ECONOMY—Lieberman, M. F. Sheet Metal & Roofing Co.
ERIE—Murphy Bros.
Patterson & Sterling
GREENSBURG—Overly, W. F.
HARRISBURG—Fager, G. C. & Son
HAZLETON—Barber, J. F. & Co.

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LANCASTER—Arnold, Jno. L.
Sheet Metal & Supply Co.
McKEESPORT—Trader, E. N.
PHILADELPHIA—Abronski Bros., 1615 Stiles
American Bar Lock Co. (Bar Lock System), 26th & Penna av
American Metal Cornice W'ks, 1124 Ontario
Biefgen, Henry J., 808 N 4th
Bohem, A. & G., 15th & Federal
Central Cornice Works, 3420 Market
Gara, McGinley & Co., 23 S 17th
Garthaus, H. A., 1847 N 6th
Knodel, Emil, 7 Girard av
Lupton's, David Sons Co., Allegheny av & Tulip
Meade Roofing Co., Woodland & 46th, Phila., Pa.
Metallic Mfg. Co., 232 Spruce
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Philadelphia, Pa.
Rhoads & Maloney, 429 N 3d
Rising Sun Cornice Works, Rising Sun la & 8th
Schnitzspan, H. V., 800 Wythe av
Thorn, J. S. Co., 20th & Allegheny av
PHOENIXVILLE—Caswell & Moore
PITTSBURG—Keighley, S. Metal Ceiling & Mfg. Co., 824 Locust
Luckhardt, Louis, 85 Sweetbriar
Rasner & Dinger Co., 2d av & Ferry
SCRANTON—Gunster Bros.
WILKES-BARRE—Carpenter, B. G. & Co.
Connor, Harry & Co.

RHODE ISLAND.

PROVIDENCE—Brody, Louis, 21 Mill
Brunnekow, C G. Co., 223 Globe
Burgess, Jas., 254 Prairie av
CLASON ARCHITECTURAL METAL Works, 428 Kinsley av. (See adv. index, end of book)
Enterprise Cornice & Skylight Works, 27
Harris, Clayton, 281 Canal Bassett
Lamoureux, F. & Co., 39 Friendship
Providence Arch'l Metal Works, 287 Dyer
Providence Cornice Co., 311 Canal
Rhode Island Cornice Co., 76 Point
Strauss Co., 303 Eddy

SOUTH CAROLINA.

CHARLESTON—Masters, R. M., 127 King
Morris, R. J., 130 King

TENNESSEE.

CHATTANOOGA—Goodlake, C. W.
MEMPHIS—Burdick, A. W. & Co.
Eichberg & Lang Mfg. Co.
Fritz, Ed. H.
Wessendorf, Chas.
NASHVILLE—Phillips & Buttorf Mfg. Co. nue A

TEXAS.

AUSTIN—Arlitt, Max
DALLAS—Burke, W. D., 128 N. Akard
EL PASO—Momsen, Gus. & Co.
FORT WORTH—Attwell Cornice Co.
GALVESTON—Fredericks, Wm. G., 2309 Avenue A
Werner, Geo. P., 1628 Winnie
HOUSTON—Holtkamp, E. E.
Schlom, M. J. & Co.
SAN ANTONIO—Jewett Cornice & Roofing Co.

UTAH.

SALT LAKE CITY—Bywater & Groo

VIRGINIA.

NORFOLK — Bohn Roofing & Cornice Co., 11
RICHMOND—Burton, R. Plume
Hackett, R. & Co., 1009 Basin
ROANOKE—Possin, Theo. & Co.

WASHINGTON.

SEATTLE—Finlay & Robb, 88 Lenora
Seattle Cornice Works, 1130 1st av, S
Western Sheet Metal Works, 1751 1st av, S
SPOKANE—Brandt Bros.
Brown Bros. (Inc.), 42 Sprague av
TACOMA—Cizek, A. F. Sheet Metal W'ks Co.
Miller, Edw. Cornice & Roofing Co.

WEST VIRGINIA.

WHEELING—Bayha, D. H.
Caldwell, B. F. & Co.
Nesbitt & Bro.

WISCONSIN.

EAU CLAIRE—Eau Claire Cornice & Heating Co.
GREEN BAY—Green Bay Cornice & Corru-
LA CROSSE—Gass, Anthony gating Co.
Gateway City Steel Tank & Roofing Co.
La Crosse Steel Roofing & Corrugating Co.
MILWAUKEE—Biersach & Niedermeyer, 218
Braun & Millen, 534 Clinton
Consolidated Sheet Metal Works, 661 Hubbard
Felix & Goethel, 818 Winnebago
Green, David D., 215 6th
Hoffmann & Baur, 279 Lake
Klubertanz, August, 2325 Fon du Lac av
MILWAUKEE ARTISTIC METAL Ceiling Co. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., S Bay & Aldrich. (See adv. index, end of book)
Milwaukee Metal Skylight & Galvanized Iron Cornice Works, 139 6th
Roeder, Chas., 1520 7th
Romberger, Jos., 2121 Cherry
Schmitt, F. & Sons Co., 301 4th
Tonnsen, Elbert B., 51 3d
SUPERIOR—Bingham Hardware Co., W. S. Carlson Bros.
Holmes, A. E. & Bro. Co.

*Skylights ("More Light" System)

MORE LIGHT SIDEWALK CONSTRUCTION Co., 29th st, Wheeling, W. Va. (See adv. index, end of book)

Skylights (Ornamental Iron)

BICKELHAUPT, GEO. SKYLIGHT Works, 243 W 47th, New York. (See adv. index, end of book)
Hecla Iron Works, 118 N 11th, B'klyn, N. Y.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
WINSLOW BROS. COMPANY, Chicago, Ill. (See adv. index & branch offices, end of book)

Skylights (Prism System)

(See Glass Manufacturers, Prismatic)

Skylights (Puttyless)

National Skylight & Ventilator Co., Rochester, N. Y.
National Ventilating Co., 1 Madison av, New York

*Skylights (3-Way Prism)

AMERICAN 3-WAY PRISM CO., 134 N 10th, Phila., Pa. (See adv. index & branch offices, end of book)

Slag (Concrete & Roofing, Etc.)

Acme Asphalt Roofing Co., 65 Mallory av., Jersey City, N. J.
Clymer, J. L., Marshall & Berks, Phila., Pa
Emanuel & Co., Catasauqua, Pa.
Hatfield, Geo. E., 314 Flushing av., Brooklyn, New York
Imperial Product Co., 213 St. Paul, Baltimore, Md.
Little, Wm., Conschohocken, Pa., & Swedeland, Pa.
Mount Laurel Slag Co., Reading, Pa.
Perry Iron Co. (Granulated), Erie, Pa.
Robinson, Thos. & Co., Real Estate Trust bldg. Phila., Pa.
Vulcanite Paving Co., Land Title bldg, Phila., Pa.

Slate Columns

American Slate Co., Bangor, Pa.
Criterion Slate Co., Hydeville, Vt.
East Bangor Consolidated Slate Co., East Bangor, Pa

Slate Fasteners

Farquhar's, Jno. Sons, Fair Haven, Vt.

Slate Floor Tile

Allen's S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Coulman & Westcott, Fair Haven, Vt.
Durick, Keenan & Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hower, J. K., Slatington, Pa.
Hinchey, Patrick, Hydeville, Vt.
McKenna, David, Slatington, Pa.
Milnogue Bros. & Quinn, Hydeville, Vt.
Monson Consolidated Slate Co., Bath, Me.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass.
Pelican Slate Mfg. Co., Wind Gap & Pottstown, Pa.
Penna. Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E 138th, New York
Slatington Slate Co., Slatington, Pa.
Williams Slate Co., Arvonia, Va.

Slate Flour

Atlas, M. & M. Co., Lincoln, N. J.
Mertztown Mfg. Co. Works, Mertztown, Pa.

Slate for Electrical Purposes

Algonquin Red Slate Co., Worcester, Mass.
Mills, Truthville, N. Y.
Allen's, S., Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Bachman Bros., Slatington, Pa.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bonville Bros., Fair Haven, Vt.
Bonville, Edw., Fair Haven, Vt.
Columbus Slate Co., Columbus, O.
Coulman & Westcott, Fair Haven, Vt.
Durick & Flanagan Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fitzpatrick Bros. & Co., West Castleton, Vt.
Hower, J. K., Slatington, Pa.
Hydeville Slate Works, Hydeville, Vt.
Jones & Frances, Fair Haven, Vt.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
McNamara Bros., Fair Haven, Vt.
Merrill Brownville Slate Co., Brownville, Me.
Monson Consolidated Slate Co., Bath, Me.
Monson Maine Slate Co., Boston, Mass.
New York Slate Works, 138th & 3d av, New York
North Bangor Slate Co., Bangor, Pa.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Pelican Slate Mfg. Co., Wind Gap, Pa.
Penna. Natural Slate Blackboard Co., Slatington, Pa.
Penna. Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 253 E 138th, New York
Portland-Monson Slate Co., Portland, Me.
Shenton, Thos. H., Slatedale, Pa.
Slatington Slate Co., Slatington, Pa.
Young, A. B., Fair Haven, Vt.

Slate Grave Covers

(See Burial Cases & Vaults, Slate)

Slate (Mausoleum or Catacomb)

Bangor Slate Co., Bangor, Pa.
Bangor Structural Co., Bangor, Pa.
Penna. Structural Slate Co., Easton, Pa.

Slate Mill Stock

Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., East Bangor & Easton, Pa.
Bachman Bros., Slatington, Pa.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Bonville Bros., Fair Haven, Vt.
Columbia Slate Co., Slatington, Pa.
Columbus Slate Co., Columbus, O.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Genuine Bangor Slate Co., Easton & Bangor Pa.
Hahn, Granville (Mantel Stock), Walnutport, Pa.
Heimbach Slate Co., Bethlehem, Pa.
Hinchey, Patrick, Hydeville, Vt.
Hower, J. K., Slatington, Pa.
International Slate Co., Slatington, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Kirtland, W. H., 1123 B'way, N. Y.
McKenna, David, Slatington, Pa.
Moyer, J. S. & Co., Bangor, Pa.
North Bangor Slate Co., Bangor, Pa.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Pelican Slate Mfg. Co., Wind Gap, Pa.
Pittston Slate Mfg. Co., Pittston, Pa., & Slatington, Pa.
Schaeffer, R. F., Bangor, Pa.
Slatington Slate Co., Slatington, Pa.
Stoddard, D. & Son, Bangor, Pa.
Williams Slate Co., Arvonia, Va.
Woodley Slate Co., East Bangor, Pa.

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Slate Morgue & Dissecting Slabs

Bangor Slate Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Penna. Structural Slate Co., Easton, Pa.

Slate (Plumbers')

(See Slate Urinal Slabs, Etc.)

Slate Radiator Tops

(See Slate Stairs, Treads & Risers)

Slate Refrigerator Linings

(See Slate Stair Treads & Risers)

Slate Register Frames or Borders

Algonquin Red Slate Co., Worcester, Mass.
Mills, Truthville, N. Y.
Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Coulman & Westcott, Fair Haven, Vt.
Durick, Keenan & Co., Fair Haven, Vt.
Hinchey, Patrick, Hydeville, Vt.
Illinois Marble Co., Edwardsville, Ill.
McKenna, David, Slatington, Pa.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass.
North Bangor Slate Co., Bangor, Pa.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Penna. Structural Slate Co., Easton, Pa.
Williams Slate Co., Arvonia, Vt.

Slate (School)

(See Slates, School; also Black Boards, Slate)

Slate Sinks

(See Laundry Tubs, Slate; also Slate Urinal Slabs, Etc.)

Slate Stair Treads & Risers

Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Hardy Slate Co., Pen Argyl, Pa.
Bangor Slate Co., Bangor, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Blue Mountain Slate Co., Wind Gap, Pa.
Chicago Slate & Mantel Co., 232 S Clinton, Chicago, Ill.
Columbia Slate Co., Slatington, Pa.
Columbus Slate Co., Columbus, O.
Coulman & Westcott, Fair Haven, Vt.
Durick, Keenan & Co., Fair Haven, Vt.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Excelsior Slate Co., Pen Argyle, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hahn, Granville, Walnutport, Pa.
Hower, J. K., Slatington, Pa.
Illinois Marble Co., Edwardsville, Ill.
International Slate Co., Slatington, Pa.
Keenan Bros., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Kirtland, W. H., 1123 B'way, New York
Lehigh Structural Steel Mfg. Co., Slatington, Pa.
McKenna, David, Slatington, Pa.
Meadow Brook Slate Co., Slatington, Pa.
Monarch Slate Mfg. Co., Slatington, Pa.
Monson Consolidated Slate Co., Bath, Me.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass.
North Bangor Slate Co., Bangor, Pa.
New York Slate Works, 493 E 138th, New York
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Pelican Slate Mfg. Co., Wind Gap, Pa.
Penna. Natural Slate Blackboard Co., Slatington, Pa.
Penna. Slate Co., Slatington, Pa.
Penna. Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E 138th, New York
Phoenix Slate Co., Windgap, Pa.
Portland-Monson Slate Co., Portland, Me.
Schaeffer, R. F., Bangor, Pa.
Schilling Co., 43 Eagle, Albany, N. Y.
Scotch Hill Slate Co., Fair Haven, Vt.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Southwestern Slate Co., Slatington, Ark.
Washington Slate Co., Slatington, Pa.
Williams Slate Co., Arvonia, Va.
Woodley Slate Co., East Bangor, Pa.

Slate (Structural)

(See Slate, Stair Treads & Risers)

Slate Tanks

Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Illinois Marble Co., Edwardsville, Ill.
New York Slate Works, 138th & 3d av, New York

Slate Tile

(See Slate Floor Tile)

Slate Urinal Slabs, Etc.

Allen's, S. Sons, Fair Haven, Vt.
American Slate Co., Bangor, Pa.
Bangor Slate Co., Bangor, Pa.
Bangor Crescent Slate Co., Bangor, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Chicago Slate & Mantel Co., 232 S Clinton, Chicago, Ill.
Cleveland Mantel & Tile Co., 1426 E 30th, Cleveland, O.
Columbia Slate Co., Slatington, Pa.
Columbus Slate Co., Columbus, O.
Coulman & Westcott, Fair Haven, Vt.
Durick, Keenan & Co., Fair Haven, Vt.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Fair Haven Marble & Marbleized Co., Fair Haven, Vt.
Hahn, Granville, Walnutport, Pa.
Hall, Chas. E. & Co., E. Cambridge, Mass.
Hinchey, Patrick, Hydeville, Vt.
Hower, J. K., Slatington, Pa.
Illinois Marble Co., Edwardsville, Ill.
Kimes, J. B. & Co., 1822 Filbert, Phila., Pa.
Kirtland, W. H., 1123 B'way, New York
Lehigh Structural Steel Mfg Co., Slatington, Pa.
McKenna, David, Slatington, Pa.
Monarch Slate Mfg. Co., Slatington, Pa.
Monson Consolidated Slate Co., Bath, Me.
Monson Maine Slate Co., 113 Devonshire, Boston, Mass
Moore & Snyder, Slatington, Pa.
New York Slate Works, 138th & 3d av, New York
North Bangor Slate Co., Bangor, Pa.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Pelican Slate Mfg. Co., Wind Gap, & Pottstown, Pa.
Penna. Natural Slate Blackboard Co., Slatington, Pa.
Penna. Slate Co., Slatington, Pa.
Penna. Structural Slate Co., Easton, Pa.
Penrhyn Slate Co., 493 E 138th, New York
Phoenix Slate Co., Windgap, Pa.
Portland-Monson Slate Co., Portland, Me.
Rutland Marble Mfg. Co., Rutland, Vt.
Schilling Co., 43 Eagle, Albany, N. Y.
Scotch Hill Slate Co., Fair Haven, Vt.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Southwestern Slate Co., Slatington, Ark.
Troy Bros. & Co., 91 Haverhill, Boston, Mass.
Unger, Jno. F., Slatington, Pa., & 1006 Mount Vernon, Phila., Pa.
Williams Slate Co., Arvonia, Va.
Woodley Slate Co., East Bangor, Pa.

Slate Vault Lining

(See Burial Cases & Vaults, Slate)

Slates (School)

American Slate Works, Slatington, Pa.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Gardner, Jno., Portland, Pa.
McKenna, David, Slatington, Pa.
Meadow Brook Slate Co., Slatington, Pa.
Miller, O. A. Slate Co., Slatington, Pa., & 127 W Logan, Gtn., Phila., Pa.
National School Slate Co., Bethlehem, Pa.
Shenton, Thos. H., Slatedale, Pa.

Slats (Bath Tub)

Wolverine Brass Works, Grand Rapids, Mich.

Sledge Mfrs.

Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), (Blacksmiths' Stone, etc.), Alton, Ill.
Evansville Tool Works (Coal, Blacksmith's Stone, etc.), Evansville, Ind.
Fulton Tool Works (Miners, etc.), Canal Fulton, Ohio
Hammond, C. & Son, Ogonts, Pa.
Hardscog, Martin Co. (Coal), Pittsburg, Pa.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Solid Cast Steel), 324 & Smalliman, Pittsburg, Pa.
Klein-Logan Co., S 13th & Breed, Pittsburg, Pa.
Lovejoy Tool Works (Double Faced Striking, etc.), 86 E Ohio, Chicago, Ill.
Mack & Co., Rochester, N. Y.
Pittsburg Tool & Drop Forge Co. ("Cheswick" Stone Miners', Blacksmiths', etc.), Works, Cheswick, Pa.
Plumb, Fayette R. (Inc.), Frankford, Philadelphia, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co. (Drop Forged), 60 Indiana, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co. (Blacksmiths', Coal, Stone, etc.), Wheeling, W. Va.

Sleds (Bob)

Abingdon Wagon Co., Abingdon, Ill.
Acme Wagon Co., Emigsville, Pa.
Allen, S. L. & Co. (Flexible Flyer), 1167 Market, Phila., Pa.
Anderson Co., St. Paul, Minn.
Angle Steel Sled Co., Otsego, Mich.
Barber Mfg. Co. (Oscillating), Ashtabula, O.
Belknap Wagon Co., Grand Rapids, Mich.
Bement's, E. Sons, Lansing, Mich.
Columbia Combination Coaster Co., Morgan bldg, Buffalo, N. Y.
Donaldson Bros., Mt. Clemens, Mich.
Howland Mfg. Co., Pontiac, Mich.
Hunt, Helm, Ferris & Co. ("Star", "American" Bobs, Coasters), Harvard, Ill.
Kalamazoo Sled Co., Kalamazoo, Mich.
Keller Mfg. Co., Sauk Center, Minn.
Lansing Wheelbarrow Co., Lansing, Mich.
Lloyd Mfg. Co., Minneapolis, Minn.
Minneapolis Plow Works, Minneapolis, Minn.
Northwestern Mfg. Co., Fort Atkins, Wis.
Shear, Eugene, Lincoln, Ill.
Standard Harrow Co., Utica, N. Y.
Sterling Mfg. Co., Sterling, Ill.
Streich, A. & Bro., Oshkosh, Wis.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Thornburgh Mfg. Co., Bowling Green, O.
Toledo Plow Co., Toledo, O.
Turner, Joel & Co., Fairfield, Ia.
Western Steel & Iron Works, De Pere, Wis.

Sleeves (Dredging)

Acme Rubber Mfg. Co., Trenton, N. J.
American Metal Hose Co. (Flexible Metallic), 173 Lafayette, New York
BOSTON BELTING CO., 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co. (Rubber), Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index, end of book)
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Boston, Mass.
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Sleeves (Paper)

(For Electrical Use, Etc.)

American Electric Fuse Co., Muskegon, Mich.
Cook, Frank B., 244 W Lake, Chicago, Ill.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Standard Underground Cable Co., Pittsburg, Pa.

Sleeves (Pipe)

Dayton Pipe Coupling Co., Dayton, O.
Dresser, S. R. Mfg. Co. (For Repair Work), Bradford, Pa.
Haines & Co. (Adjustable), 747 W Lake, Chicago, Ill.

Sleeves (Plumbago)

McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), Pittsburg, Pa.

Sleeves (Pole Repair)

Gherky, Wm. D. ("Voynow") Heed bldg., Phila., Pa.

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Sleeves (Trolley Wire Splicing)

Western Electric Co. (Made from Cold-Drawn Brass or Pure Copper), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Sleeves (Twist Drill)

Billings & Spencer Co. (Taper), Hartford, Conn.

MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)

New Process Twist Drill Co., Taunton, Mass.

Sleeves & Tees for Underground Construction

McIntire, C. Co., Newark, N. J.

Sleeving (Cotton)

(For Electrical Use, Etc.)

Anchor Webbing Co., Woonsocket, R. I.
Belden Mfg. Co., 194 Michigan av, Chicago, Ill.
Dunton, M. W. Co., Providence, R. I.
Hope Webbing Co., Providence, R. I.
Niedner, Chas. Sons Co., Malden, Mass.

ROSSENDALE - REDDAWAY BELTing & Hose Co., Newark, N. J. (See adv. index, end of book)

Textile Tube Co., Fall River, Mass.

Slicers (Fruit & Vegetable)

Atkins, E. C. & Co., Indianapolis, Ind.
Catawissa Specialty Mfg. Co. (Vegetable), Catawissa, Pa.
Disston, Henry & Sons, Phila., Pa.
Enterprise Mfg. Co., Phila., Pa.
Goodell Co. (Potato), Antrim, N. H.
Handy Things Co., Ludington, Mich.
Judge Machine Co., Marine Bk Bldg., Baltimore.
Kilbourne Mfg. Co., Troy, N. Y. Md.
Landers, Frary & Clark ("Universal," "French" "Lightning"), New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Sinclair-Scott Co. (Pineapple), Baltimore, Md.
Streeter, N. B. & Co. (Fruit), Rochester, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Valk Mfg. Co., Topeka, Kan.
Zastrow, Geo. W. (Pineapple, Power), 1404 Thames, Baltimore, Md.

Slicers (Meat)

American Slicing Machine Co., Chicago, Ill.

Slide Rests for Lathes

Bartlett, Edwin E., 326 A., Boston, Mass.
National Machine Co., Milwaukee, Wis.
Reed, F. E. Co., 120 Gold, Worcester, Mass.

Slides (Breast Strap)

Stearns, E. C. & Co., Syracuse, N. Y.

Slings (Hay)

Goshen Mfg. Co. ("Hercules"), Goshen, Ind.
Harvard Hay Tool Co., Harvard, Ill.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Louden Machinery Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers, F. E. & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Ney, V. L. Co., Canton, O.
Porter, J. E. Co. (Center Grip), Ottawa, Ill.
Ricker, W. G., Rochester, N. Y.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wisconsin Hay Tool Co., Ottawa, Ill.

*Slitters (Cloth & Paper)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

*Slotters (Paper Box)

BECK, CHAS. PAPER CO. (LTD.), 607 Chestnut, Phila., Pa. (See adv. index, end of book)

Smelters of Spelter

(See also Spelter Manufacturers)

Hegeler Bros., Danville, Ill.
Illinois Zinc Co., Peru, Ill.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Mineral Point Zinc Co., Dupue, Ill.

Smelters & Refiners

(See also Babbitt Metal; also Refiners, Electrolytic Copper)

Ajax Metal Co., 48 Richmond, Phila., Pa., & Birmingham, Ala.
American Smelting & Refining Co., 9th & Freeman, Cincinnati, Ohio
American Smelting & Refining Co., 165 B'way, New York
American Zinc Lead & Smelting Co., Caney, Kans.
Atlas Smelting & Refining Co., 1008 Gtn av, Phila., Pa.
Balbach Smelting & Refining Co., Newark, N. J.
Baltimore Copper Smelting Rolling Co., Baltimore, Md.
Battle Creek Smelting & Refining Co., Battle Creek, Mich.
Chicago Metal Reduction Co., 77 Jackson boul, Chicago, Ill.
Colonial Refining Co., 2nd & Bristol, Phila., Pa.
Columbia Smelting & Refining Works, 366 West, N. Y.
Cornell & Andrews Co., Providence, R. I.
Crescent Phosphorized Metal Co., 2314 Wood, Phila., Pa.
Dee, Thos. J. & Co., 69 Wash'n, Chicago, Ill.
Delaware Metal Refinery, 18th & Washington av, Philadelphia, Pa.
Deutsch, N. & Co., 552 S Canal, Chicago, Ill.
Duquesne Reduction Co., Pittsburg, Pa.
Edna Smelting & Refining Co., 525 Reading rd., Cincinnati, O.
Electric Smelting & Aluminum Co. (Aluminum, Silicon, Manganese, Alloys), Lockport, N. Y.
Essex Smelting & Refining Works, 335 Stanton, New York
Eustis Smelting Works, Boston, Mass.
Garfield Smelting Co. (Copper, Ore, etc.), Salt Lake City, Utah
Genesee Reduction Co., Rochester, N. Y.
Glorieaux Smelting & Refining Co., Irvington, N. Y.
Goldsmith Bros., 65 Wash'n, Chicago, Ill.
Great Western Smeltnig & Refining Co., 173 W Kinzie, Chicago, Ill.
Hatthiessen & Hegeler Zinc Co., La Salle, Ill.
Hasard, Coates & Bennett Co.
Higginbotham, Z. F. & Sons (Lead), Fertile, Mo.
Honkamp Bros., 40th cor. Wentworth, Chicago, Ill.
Idaho Smelting & Refining Co. (Gold, Silver, Lead, etc.), Ponderay, Idaho
Illinois Smelting & Refining Co., Kinzie & Peoria, Chicago, Ill.
International Smelting & Refining Co., Real Estate Trust bldg, Phila., Pa.
Johnsen, S. & Co., 208 President, Baltimore, Md.
Kahn Bros., 525 E 19th, New York
Kramer, H. & Co., 353 S Canal, Chicago, Ill.
La Harpe Smelting Co., La Harpe, Kan.
Lanyon Zinc Co., Iola, Kans.
Lehman Bros., 401 Jefferson, Hoboken, N. J.
Lelong, L. & Bro., 345 Halsey, Newark, N. J.
Lipshitz Smelting Works, Waco, Tex.
Lissberger, B. & Co., 742 E 14th, New York
Lissberger, Marks & Son, 281 Borden ave., Brooklyn, N. Y.
Loraine Smelting & Refining Co., 115 Dearborn, Chicago, Ill.
Los Angeles Smelting & Refining Co., Los Angeles, Cal.
McDonald, Jas. & Sons Co., Cincinnati, O.
McHattan Smelting Co., 1500 Wash'n av, Phila., Pa.
Mammoth Copper Mining Co., Kennett, Cal.
Metropolitan Smelting & Refining Co., 92 New Chambers, New York
Michigan Smelting & Refining Co., Detroit, Mich.
Monarch Metal Co., 156 S Lincoln, Chicago, Ill.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Lead Co., 100 William, New York
National Smelting & Refining Works (H. Heppenheimer, Prop.), 419 Marcy av, Brooklyn, N. Y.
New Jersey Zinc Co., 55 Wall, New York
Orford Copper Co., 43 Exchange pl, New York
Pearl Smelting & Refining Works, 2507 E Cumberland, Phila., Pa.
Perth Amboy Smelting & Refining Co., Perth Amboy, N. J.
Raritan Copper Works, Perth Amboy, N. J.
Reeves, Paul S. & Son, 1413 Catharine, Phila., Pa.
Riverside Metal Refining Co. (Inc.), Connellsville, Pa.
Robson Smelting Co., Buffalo, N. Y.
Roessing Bronze Co., Etna, Pa.
Rosenthal's, Jos. Sons, 192 Berks, Phila., Pa.
Selby Smelting & Lead Co., San Francisco, Cal.
Shimer, H. W. & Co., 19th & Wash'n av., Phila., Pa.
Star Refining Co., 50 State, Boston, Mass.
St. Louis Smelting & Refining Co. (Lead, Slag, etc.), St. Louis, Mo.
Syracuse Smelting Works, Dobbin & Nassau av, Brooklyn, N. Y.
Tacoma Smelting Co. (Lead, Copper, Gold, etc.), Tacoma, Wash.
Tottenville Copper Co., Tottenville, N. Y.
Tri-Bullion Smelting & Development Co. (Gold, Silver, Lead, etc.), 2 Rector, New York
United States Metal Refining Co., 100 B'way, New York
United States Smelting Co. (Copper & Lead Smelters), Salt Lake City, Utah
United States Smelting Works, Phila., Pa.

WALSH'S SONS & CO. (Brass, Copper, Lead, etc.), Newark, N. J. (See adv. index, end of book)

White & Bro., 1502 E. Wlit, Phila., Pa.
Williams, E. A. & Son, Jersey City, N. J.
Woodfall Bros., 1105 Fairmount av, Phila., Pa.

Smelting Plants (Complete Equipment)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Power & Mining Machinery Co., Cudahy, Wis.
Traylor Engineering Co. (Copper, Silver & Lead), Allentown, Pa.

Smoke Consumers

(See Fuel Economizers; also Furnaces, Smokeless)

Smoke House Builders

Evers Iron Works ("Evers's & Hilderbrandt's" Patents), 1630 Columbus rd. N. W., Cleveland, O.
Gehret Bros. (Doors, Meat Trees, Patent Floors, etc.), Bridgeport, Pa.

Smoke Jacks (Round House)

Dickinson, Paul (Inc.) (Cast Iron), Security bldg, Chicago, Ill.
Illinois Malleable Iron Co. ("Bruyn" Cast Iron Automatic Swinging), 537 Diversey Boul., Chicago, Ill.
Johns, H. W.-Manville Co. ("Transite Asbestos," "Phoenix"), 100 William, New York
Keasby & Mattison Co. ("Century" Asbestos Building Lumber), Ambler, Pa.
Mann-McCann Co. ("Bruyn," "Mann"), Fisher bldg, Chicago, Ill.

Smoke Stacks (Self-Supporting)

(See Chimneys, Steel)

Smoke Stacks (Steel)

(See also Chimneys, Various Kinds; also Boilers, Tubular)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)

Abendroth & Stein (Inc.), 39 Cortlandt, New York
Allen, Wm. & Sons Co., Worcester, Mass.
Anderson Bridge & Scraper Co., Anderson, Ind
Aurora Boiler Works (Inc.) (Self-Supporting Steel), Aurora, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Biggs Boiler Works Co., Akron, O.
Bridgeport Boiler Works, Bridgeport, Conn.
Bryan, E. A. Co. (Steel), 1st Nat'l Bank bldg, Chicago, Ill. Works, Harvey, Ill.

CANTON BOILER & ENGINEERING Co. (Self Supporting), Canton, O. (See adv. index, end of book)

CARLIN'S, THOS, SONS CO., 1610 River av., North Side, Pittsburg, Pa. (See adv. index, end of book)

Casey-Hedges Co. (Self Supporting, Guyed, etc.), Chattanooga, Tenn.
Chicago Bridge & Iron Works (Horace E. Horton, Prop.) (Self-Supporting), W 105th & Throop, Chicago, Ill.

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Coatesville Boiler Works, Coatesville, Pa.
Connellsville Iron Works, New Haven, Pa.
Connelly, D. Boiler Co. (Self Supporting), Cleveland, O.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Cooper, C. & G. Co., Mount Vernon, O.
Detroit Ship Building Co. (Brass Dep't), Detroit, Mich.
DONEGAN & SWIFT ("Swift's" Self Sustained), 6 Murray, New York. (See adv. index, end of book)
Dubois Iron Works, Dubois, Pa.
Duff Patents Co., Inc., Frick Bldg., Pittsburg.
East Jersey Pipe Co., Paterson, N. J. Pa.
Edge Moor Iron Co., Wilmington, Del.
Fargo Foundry Co., Fargo, N. D.
Fitzgibbons Boiler Co., Oswego, N. Y.
Franklin Boiler Works, Green Island, Troy, N.Y.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Gem City Boiler Co., Dayton, O.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hammond Iron Works, Warren, Pa.
Harlan & Hollingsworth Corp., ft. West st., Wilmington, Del.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Hellman Boiler Works, Allentown, Pa.
Hendrick Mfg. Co., Carbondale, Pa.
Honhorst, Joseph Co., Cincinnati, O.
Jarvis Engine & Machine Works, Lansing, Jones & Harold, Jersey City, N. J. Mich.
KEELER, E. CO. (Self-Supporting), Williamsport, Pa. (See adv. index & branch offices, end of book)
KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan, Chicago, Ill. (See adv. index, end of book)
King Bridge Co., Cleveland, O.
Kittle Boiler & Tank Co., Canton, O.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lacy Mfg. Co., Los Angeles, Cal.
Leetonia Boiler Co., Leetonia, O.
Lewis, H. B., 45 Jos. Campau, Detroit, Mich.
Lindsay, W. W. & Co., 1502 Market, Phila., Pa.
Littleford Bros. (Steel), Cincinnati, O.
Lyon Boiler & Iron Works, De Pere, Wis.
Lyon Metallic Mfg. Co., Aurora, Ill.
McCOY, HENRY J. CO. 65-67 Dey, New York. (See adv. index, end of book)
McNeil Boiler Co., Akron, O.
McNeil, Jas. & Bro. Co., 29th & A. V. Ry., Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Meehan Boiler & Construction Co., Lowellville, Ohio
MICHELMANN STEEL CONSTRUCtion Co. (Self-Supporting), Quincy, Ill. (See adv. index, end of book)
Milwaukee Boiler Co., Milwaukee, Wis.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Munroe, R. & Sons Mfg. Co., Pittsburg, Pa.
Murray Iron Works Co., Burlington, Ia.
Muskegon Boiler Works, Muskegon, Mich.
National Boiler Works, 60 Fulton, Chicago, Ill.
Newbold, R. S. & Son Co., Norristown, Pa.
New England Iron Works Co., Sumner, B & Fargo, Boston, Mass.
Novelty Steam Boiler Works (Triplett & Jennings, Prop's) (Self-Supporting), 917 S Howard, Baltimore, Md.
Odlum-Taylor Boiler Co., Memphis, Tenn.
Ohio Boiler Co., Girard, O.
Oil City Boiler Works (Inc.), Oil City, Pa., & 39 Cortlandt, New York
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oldman Boiler Works, 38 Illinois, Buffalo, N. Y.
Oswego Boiler & Engine Co., Oswego, N. Y.
Pennsylvania Boiler Works, Erie, Pa.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
Pfeiffer, Chris. Boiler Co., 70 Michigan, Chicago, Ill.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburg Steel Construction Co., Lewis Block, Pittsburg, Pa.; Works, Economy, Pa.
Pollock, Wm B. Co., Youngstown, O.
Porter Foundry & Machine Co., Pittsburg, Pa.
Portland Co., Portland, Me.
REEVES BROS. CO. (Self-Supporting), Alliance, O. (See adv. index & branch offices, end of book)
Ricard Boiler & Engine Co., Toledo, O. book)
Riter-Conley Mfg. Co., 56 Water, Pittsburg, Pa.
Roberts Iron Works Co., Cambridgeport, Mass.
Robb-Mumford Boiler Co. (Inc.), South Framingham, Mass.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index.
Sotter Bros., Pottstown, Pa. end of book)
Southern Engine & Boiler Works (Inc.), Jackson Tenn
Springfield Boiler & Mfg. Co., Springfield, Ill.
Standard Boiler Works, Seattle, Wash.
Standard Boiler & Plate Iron Co., Niles, O.
Star Boiler Works, Clinton, Iowa
Struthers-Wells Co. (Self-Supporting), Warren, Tippet & Wood, Phillipsburg, N. J. Pa
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York
Union Boiler & Mfg. Co., Lebanon, Pa.
Union Iron Works, Erie, Pa.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Vance Boiler Works, Geneva, N. Y.
Variety Iron & Steel Works Co., Cleveland, O.
Vogt, Henry Machine Co., Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn
Warren City Tank & Boiler Co., Warren, O.
White, Rob't Engineering Works, ft of Columbia, B'klyn, N. Y.
Wickes Bros., Saginaw, Mich.
York Mfg. Co., York, Pa.

Smoke Test Machines

(See Machines, Smoke Testing)

*"Smooth-On" Cements & Compounds

SMOOTH-ON MFG. CO., 572 Communipaw av, Jersey City, N. J. (See adv. index & branch offices, end of book)

*Snaps (Bolt)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Snaps (Chain)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Snaps (Harness, Etc.)

American Snap Co. ("Bang-Up" & "Cant-Un-Hook"), Ashtabula, O.
Covert Mfg. Co. ("Yankee"), Troy, N. Y.
Draper & Hall Co. ("Hayes" Lock), Middletown, Conn.
East Bangor Mfg. Co. ("J. P."), East Bangor, Pa.
Hayward, S. F. & Co. (Fire Dept.), 39 Park pl., New York
Mosher & Hogarty, Unionville, Conn.
National Safety Snap Co. ("Kingsnap" Spring Steel), Wilmington, O.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
North & Judd Mfg. Co. ("Anchor"), New Britain, Conn.
Reading Hardware Co., Reading, Pa.

Snaps (Hitching)

East Bangor Mfg. Co. ("J. P."), East Bangor.
Owen Mfg. Co., South Bend, Ind. Pa.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
North & Judd Mfg. Co. ("Anchor"), New Britain, Conn.

*Snaps (Lock)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Snaps (Rope)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Snaps (Swivel)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
North & Judd Mfg. Co. ("Anchor"), New Britain, Conn
Wilcox, Crittenden & Co., Middletown, Conn.

Snippers (Bean)

Gowanda Agricultural Works ("Century"), Gowanda, N. Y.

Snips (Pipe)

Kraeutner & Co., Newark, N. J.

Snips (Tinners')

Acme Shear Co. (Tinners' Shears), Bridgeport,
Atlas Shear Co., Bridgeport, Conn. Conn
BERNZ, OTTO S., 13th c S Orange av., Newark, N. J. (See adv. index, end o
Berridge Shear Co., Sturgis, Mich. book
Clauss Shear Co. ("Clauss"), Fremont, O
Clayton Bros., Bristol, Conn.
Detroit Shear Co. ("Searight" Compound Lever Mechanics, for Soft Steel, Brass, Copper etc.), Detroit, Mich.
Hall, Chas. E. Co., Buffalo, N. Y.
Heinisch's, R. Sons Co. ("Vulcan"), Newark, N. J.
International Cutlery Co. ("Star"), Fremont, Ohio
National Cutlery Co. (Tinners'), Westmoreland & Boudinot, Phila., Pa.
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Osborne, C. S. & Co., Harrison, N. J.
PAGE-STORMS DROP FORGE CO (Drop Forged), Chicopee, Mass. (See adv. index, end of book)
Peck, Stow & Wilcox Co. ("P. S. & W."), Southington, Conn.
Penn Metal Ceiling & Roofing Co. (Ltd.), 2M & Hamilton, Phila., Pa.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Universal Shear Co. ("L'Universal"), 171 B'way, New York
Wiss, J. & Sons Co., Newark, N. J.

Snow Brooms & Sweepers (Street Railway)

(See also Plows, Snow; also Street Railway Sweeping Machines)

Brill, J. G. Co. ("Brill" Standard Snow Sweeper), 62d & Woodland av, Phila., Pa.
Consolidated Car Fender Co. ("Campbell" Snow Broom), Providence, R. I.
Columbia Machine Works & Malleable Iron Co. ("Columbia" Snow Sweeper Brooms) Brooklyn, N. Y.
McGuire-Cummings Mfg. Co. ("McGuire-Cummings" Automatic Sweeper & Loader; also Snow Sweepers), N Sangamon, Chicago, Ill.

Snow Guards

(See Roof Snow Guards)

Soap Dispensers (Liquid)

Antiseptol Liquid Soap Co. ("Antiseptol"), 99 S Clinton, Chicago, Ill.
Hygienic Soap Granulator Co., 3 W 29th, New York
Ideal Liquid Soap Co. ("Ideal"), 726 Byron, Chicago, Ill.
MORRILL, CHAS. ("Soapura" for all Purposes), 277 Broadway, New York. (See adv. index, end of book)
West Disinfecting Co., 9 E 59th, New York

Soap (Harness)

Frazer Lubricator Co. ("Frazer," White Castile, etc.), 83 Murray, New York
Hollingshead, R. M. Co. ("Hollingshead" Castile Cream), Camden, N. J.
Miller, Frank Co., 349 W 26th, New York
Sonneborn, L. Sons (Inc.) ("Amalia"), 2E Pearl, New York

Soap (Linseed Oil)

Sonneborn, L. Sons (Inc.) ("Amalia"), 2E Pearl, New York

*Soap (Liquid)

MORRILL, CHAS., 277 B'way, New York. (See adv. index, end of book)

Soapstone

Arkansas Soapstone & Refractories Co., Little Rock, Ark
Albemarle Soapstone Co., Alberene, Va.

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Alberene Stone Co., 223 E. 23d, New York, & 60 N. Clinton, Chicago, Ill.
Cobutta Talc Co. (Brick, Foundry Facings, Crayons, Pencils, etc.), Dalton, Ga.
DOGGETT, STANLEY (Brick, Foundry Facings, etc.), 101 Beekman, New York. (See adv. index, end of book)
Hoffman, F. G., Beta, N. C.
National Soapstone Co., 385 1st av., New York
Phoenix Soapstone Co., 7 Warren, New York
Piedmont Soapstone Co., 55 Congress, Boston, Mass. Works, Asbestine, Va.
Troy Bros. & Co., 91 Haverhill, Boston, Mass.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Virginia Soapstone Co. (Kitchen Sinks, Laundry Tubs, Slabs, Hearths, etc.), Schuyler, Va.

Soapstone for Electrical Work

Alberene Stone Co., 223 E 23d, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
National Soapstone Co. Shipman, Va., & 385 1st av, New York
Old Dominion Soapstone Corp., Esmont, Va.
Phoenix Soapstone Co., 7 Warren, New York
Piedmont Soapstone Co., Abestine, Va.
Williams & Co., Nashua, N. H.
Walls, Owen & Stambach Co., 11th & Ridge av, Phila., Pa.

Soapstone for Lubricants

(See Soapstone, Powdered or Dust)

Soapstone (Ground)

(See Soapstone, Powdered or Dust)

Soapstone (Powdered or Dust)

American Soapstone Finish Co., Chester Depot, Vt.
Atlas, M. & M. Co., Lincoln, N. J.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Hoffman, F. G. (Dust & Crude), Beta, N. C.
McIlvaine Bros., 1500 Hamilton, Phila., Pa.
Piedmont Soapstone Co., 55 Congress, Boston, Mass. Works, Asbestine, Va.
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
Salomon, L. A. & Bro. (Powdered), 216 Pearl, New York

Socket Bushings (Rubber)

DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron O.
Republic Rubber Co., Youngstown, O.

*Socket Linings

DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works, Marshaltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)

*Sockets ("Andrews")

DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

*Sockets (Curtain, Pole & Rod)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Sockets (Drill)

American Specialty Co. ("Use-Em-Up"), Monadnock blk., Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
CLEVELAND TWIST DRILL CO., Lakeside av & 49th, Cleveland, O. (See adv. index, end of book)
Imperial Bit & Snap Co., Racine, Wis.
Keystone Mfg. Co., 41 Chandler, Buffalo, N. Y.
Lang, G. R. Co. ("Lang's" Stayin), Meadville, Pa.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
National Twist Drill & Tool Co. ("National," Taper Shank Sockets & Sleeves), Detroit, Mich
New Process Twist Drill Co., Taunton, Mass.
ONEIDA COMMUNITY (Ltd.), Oneida, N. Y. (See adv. index, end of book)
Standard Tool Co., Cleveland, O.

Sockets (Electric Lamp)

Benjamin Electric Mfg. Co. (Rotating Counterbalanced), 42 W Jackson boul., Chicago.
Bryant Electric Co., Bridgeport, Conn. Ill.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Federal Electric Co., Lake & Desplaines, Chicago, Ill
Household Electric Appliance Co. ("Dim-a-Lite"), Real Estate Trust Bldg., Phila., Pa
GENERAL ELECTRIC CO. ("Security" Snap), Schenectady, N. Y., & 30 Church New York. (See adv. index & branch offices, end of book
Johns H. W.-Manville Co. (Moulded Mica), 100 William, New York
Marshall Electric Mfg. Co. (Incandescent), 301 Congress, Boston, Mass
Paiste, H. T. & Co., 3101 Ludlow, Phila., Pa.
Pass & Seymour ("P. & S." Weatherproof), Solvay, N. Y
Perkins Electric Switch Mfg. Co., Bridgeport
Peru Electric Mfg. Co., Peru, Ind. Conn
Sears, Henry D. ("Weber"), 131 State, Boston, Mass
Tea Tray Co., Mulberry & Murray, Newark, N. J.
WESTINGHOUSE LAMP CO., Bloomfield, N. J.
Yost Electric Mfg. Co., Toledo, O.

Sockets (Flag Pole)

Durkee, C. D. & Co., 3 South, New York
Marine Hardware Co., Peabody, Mass.
Nicol & Co., 66 N Jefferson, Chicago, Ill.
Turner Brass Works, Sycamore, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

Sockets (Grip)

Standard Tool Co., Cleveland, O.

*Sockets (Incandescent Lamp)

(See also Sockets, Electric Lamp)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Sockets (Ladder)

Arcade Mfg Co. (Iron), Freeport, Ill.

*Sockets (Lathe)

MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)

Sockets (Miniature Lamp)

Bryant Electric Co., Bridgeport, Conn.
Dennison, L. S. Co., Warren, O.
Electric Porcelain Mfg. Co., Baltimore, Md.
Federal Electric Co., 124 W Lake, Chicago, Ill.
Franco-American Electric Novelty Co., 111 Chambers, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
McCandless, H. W. & Co., 69 Park pl, New York
Mitchell-Vance Co., 507 W 24th, New York

*Sockets ("Morse" Taper)

MORSE TWIST DRILL & MACHINE Co. (for Oil Drills & Socket Keys), New Bedford, Mass. (See adv. index, end of book)

Sockets (Pump Rod)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end
National Tube Co., Pittsburg, Pa. of book)

Sockets (Regulating)

Knapp Mfg. Co., 20 Warren, New York
Pringle Electrical Mfg. Co. ("Reis"), 1906 N 6th, Phila., Pa.
Wirt, Chas. & Co. ("Dim-a-lite"), 4901 Stenton av, Phila., Pa.

Sockets (Special)

Benjamin Electric Mfg. Co. (Twin or Double Socket), 40 W Jackson boul., Chicago, Ill
Burdett-Rowntree Mfg. Co. ("Ball Socket"), Chicago, Ill.
CUTLER-HAMMER MFG. CO. (Push Button), Milwaukee, Wis. (See adv. index, end of book)
D'Olier Shade Co., 119 S 11th, Phila., Pa.
Federal Electric Co., 124 W Lake, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hubbell, Harvey (Inc.) ("Hubbard," Pendant Chain Pull), Bridgeport, Conn.
Marshall Electric Co. (Pendant Chain Pull), Boston, Mass.

Sockets (Standard)

Bryant Electric Co. ("New Wrinkle"), Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y. & 30 Church, New York. (See adv. index & branch offices, end of book)
Marshall Electric Mfg. Co. ("M.-S."), 301 Congress, Boston, Mass.
Paiste, H. T. Co. ("Holoshade"), 32d & Arch, Phila., Pa.
Pass & Seymour, Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sears, Henry D. ("Weber"), 131 State, Boston, Mass.
Yost Electric Mfg. Co., Toledo, O.

Sockets (Sucker Rod)

Masseth Packer & Machine Works ("M. & B."), Butler, Pa.

Sockets (Waterproof)

Advance Mfg. Co. ("Heinz"), Pittsburg, Pa.
Benjamin Electric Mfg. Co. ("Benco"), 40 W Jackson boul, Chicago, Ill.
Bryant Electric Co., Bridgeport, Conn.
Connecticut Electric Mfg. Co., Bantam, Conn.
Crouse-Hinds Co. ("Norbitt" Porcelain), Syracuse, N. Y.
Dickinson Mfg. Co. (Mica), Springfield, Mass.
Federal Electric Co., 124 W Lake, Chicago, Ill.
Freeman, E. H. Electric Co., Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co. (Moulded Mica), 100 William, New York
Knowles, C. S., Boston, Mass.
Marshall Electric Co., Boston, Mass.
Mechanical & Electrical Mfg. Co., 54 N Desplaines, Chicago, Ill.
Mercer Electric Mfg. Co., Trenton, N. J.
Newgard, Henry & Co., 30 W Monroe, Chicago, Ill.
Paiste, H. T. Co., 32d & Arch, Phila., Pa.
Pass & Seymour, Solvay, N. J.
Peru Electric Mfg. Co., Peru, Ind.
Sears, Henry D. ("Weber"), 131 State, Boston, Mass.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stanley & Patterson ("Newcode"), 23 Murray, New York
Trumbull Electric Mfg. Co., Plainville, Conn.
Yost Electric Mfg. Co., Toledo, O.

Sockets (Weatherproof)

(See Sockets, Waterproof)

Sockets (Wire Rope)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book
BRODERICK & BASCOM ROPE CO., 809 N Main, St. Louis, Mo. (See adv. index, end of book)
Durable Wire Rope Co. (Self Locking), 28 Atlantic av., Boston, Mass.
Harris, Wm. & Son, Pittsburg, Pa.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Terry & Tench Co. Lexington av & 131st, New York
Trow & Holden, Barre, Vt.
Wilcox, Crittenden & Co., Middletown, Conn.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.

Soda Ash

American Chemical Co., Cincinnati, O.
Butterworth-Judson Co., Newark, N. J.
Clark, Fred. G. Co. (For Wholesale Trade Only), Cleveland, O.
Columbia Chemical Co., Pittsburg, Pa. Works, Barberton, O.

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Mathieson Alkali Works ("Eagle" & "Thistle" Brand), Providence, R. I. Works: Sattville, Va. Michigan Alkali Co., Wyandotte, Mich.
Pennsylvania Salt Mfg. Co., 115 Chestnut, Phila., Pa.
Solvay Process Co., Syracuse, N. Y., & Detroit, Mich.
Tennant Sons & Co. (Importers), 76 William, New York
Wing & Evans (Inc.) (Selling Agents), 23 William, New York

Soda (Bichromate & Fluoride)

Harshaw, Fuller & Goodwin Co., Cleveland, O.

Sodium Sulphide

United Zinc & Chemical Co., Kansas City, Mo. Works: Argentine, & Iola, Kans.

Soduxite

American Chemical Co., Cincinnati, O.

Softeners (Cotton)

Zurn, O. F. Co. (Turkish Softener, Resolvent Compound), Broad & Lehigh, Phila., Pa.

Soil Pipe Closers

Kemp, C. M. Mfg. Co. ("Climax"), 401 E. Oliver, Baltimore, Md.

Soil Pipe & Fittings

(See Cast Iron Soil Pipe & Fittings)

Solder (Aluminum)

Aluminum Solder & Refining Co. ("Aluminite"), Oswego, N. Y.
Clum & Atkinson, Rochester, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Robson Smelting Co., Buffalo, N. Y.

Solder (Brass Spelter)

Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York

*Solder (Gold & Silver)

UNITED WIRE & SUPPLY CO. (in Wire & Sheets), 109 Summer, Providence, R. I. (See adv. index, end of book)

Solder Mfrs.

(See also Soldering Paste, Salts & Stick)

American Metal Co., 52 B'way, New York
Allen, L. B. Co. (Self Fluxing), 98 Jackson boul, Chicago, Ill.
Blatchford, E. W. Co., 70 N Clinton, Chicago, Ill.
Brady Brass Co., 204 10th, Jersey City, N. J.
Butter, Samuel & Co., 293 Commercial, Boston, Mass.
CANTON MFG. CO. (Jobbers), Canton, O. (See adv. index, end of book)
Chadwick-Boston Lead Co. (Bar, Block, Wire, Plumbers', Tinman's & Came or Glaziers'), Boston, Mass.
Clum & Atkinson, Rochester, N. Y.
Columbia Smelting & Refining Works 366 West, New York
Colwell Lead Co., 109 Lafayette, New York
Crane-Hawley Co., Cincinnati, O.
Cunningham, E. E. (Est. of) (Saw Brazing), Worcester, Mass.
Delaware Metal Refinery, 18th c Wash'n av, Phila., Pa.
Detroit Lead Pipe & Sheet Lead Works, Detroit, Mich.
Eagle Smelting & Refining Works (Wire Segment, Bar, Drop & Casting Triangle, etc.), 738 E 14th, New York
Empire Metal Co., Syracuse, N. Y.
Eureka Tempered Copper Works, North East, Pa.
Gilbert, A. & Sons Brass Foundry, St. Louis, Mo.
Goldberg & Rathman, 289 Commercial, Boston, Mass.
Graham, Jas. & Co., New Haven, Conn.
Great Western Smelting & Refining Co., 173 W Kinzie, Chicago, Ill
Hendricks Bros. (Plumbers & Brazers), 49 Cliff, New York
Hiertz, Theo. Metal Co., St. Louis, Mo.
HUNGERFORD, U. T. BRASS & COPPER Co. (Bar, Tri-Angular & Capping Wire & Segments), 497 Pearl, New York
Illinois Smelting & Refining Co., cor Kinzie & Peoria, Chicago, Ill.
Johancen, S. & Co., 208 President, Baltimore, Md.
Koch & Fox, 22d & Glenwood av, Phila., Pa.
Kramer, H. & Co., 357 S Canal, Chicago, Ill.
Lang, E. M. Co. ("Neverslip" Wire, Drop & Stick), Portland, Me.
Lausten Lead Works, 78 Pratt, Chicago, Ill.
Lehman Bros., Hoboken, N. J.
Lewis, Jno. T. & Bro. Co., 231 S Front, Phila.,
Lissberger, B. & Co. (For All Purposes), 738 E 14th, New York
Lissberger, Marks & Son, 281 Borden av, Brooklyn, N. Y
Lukens, Thos. F. Metal Co., 288 N. 4th, Phila., Pa.
LUMEN BEARING CO., Buffalo, N. Y (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), (Bar, Tri-Angular & Capping; Wire & Segments), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Millar, Charles & Son Co., Utica, N. Y.
More-Jones Brass & Metal Co., 3138 N B'way, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Lead Co., 100 William, New York
National Lead & Oil Co. of Pa., 2d National Bk bldg, Pittsburg, Pa.
North American Smelting Co., 9th c Thompson, Phila., Pa.
Pacific Metal Works, San Francisco, Cal., & Portland, Oreg.
Pearl Smelting & Refining Works, 2507 E Cumberland, Phila., Pa.
Peerless Alloy Co., Denver, Col.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Powell, W. G. & Co., Bridgeport, Conn.
Raymond Lead Co., 51 W Lake, Chicago, Ill.
Richards & Co. (Inc.), 200 Causeway, Boston, Mass.
Robson Smelting Co., Buffalo, N. Y.
Rochester Lead Works, Rochester, N. Y.
Rogers Metal Works, Kansas City, Mo.
Rumsey, L. M. Mfg. Co., St. Louis, Mo.
Sanborn, Jno. & Son, 217 Water, New York
Schultz, A. & Co. (Wire, Drop, etc.), Baltimore, Md
Selby Smelting & Lead Co. (Wiping, Wire, Bar, Strip, Drop, etc.), San Francisco, Cal
Star Refining Co., 50 State, Boston, Mass.
Syracuse Smelting Works, Syracuse, N. Y.
Tatham & Bros., 82 Beekman, New York, & 223 S 5th, Phila., Pa.
United Lead Co., 111 B'way, New York
United States Smelting Works, Phila., Pa.
UNITED WIRE & SUPPLY CO. (Gold & Silver), 109 Summer, Providence, R. I (See adv. index, end of book)
Windsor Mfg. Co., Milwaukee, Wis.
Woodfall Bros. (Plumbers, Canners, Tinners etc.), 1105 Fairmount av, Phila., Pa

Solder (Rosin Core)

Belden Mfg. Co. ("Belden" for Switchboard & Telephone Connections), 194 Michigan Chicago, Ill

Solder (Self-Fluxing)

Belden Mfg. Co., 194 Michigan, Chicago, Ill.
Chicago Solder Co. ("Kester"), 44 N Union Chicago, Ill
Kellogg Switch Board & Supply Co., W Congress & Green, Chicago, Ill
National Lead Co., 100 William, New York
Solderene Co., Boston, Mass.
Western Electric Co., 259 S Clinton, Chicago Ill., & 57 Bethune, New York

Soldering Apparatus for Rail Bonding

Smith, Chas. G., 352 Pearl, New York

Soldering Coppers

Ansonia Brass & Copper Co., Ansonia, Conn.
Ayars Machine Co. (For Canning Factories, etc.), Salem, N. J.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Central Stamping Co., 174 Fulton, New York
Clendenin Bros., Baltimore, Md.
Covert Mfg. Co., Troy, N. Y.
Diamond Mfg. Co., Detroit, Mich.
Emmelmann Bros. Mfg. Co. (Gas), Indianapolis Ind.
Eureka Tempered Copper Works, North East, Pa.
HUNGERFORD, U. T. BRASS & COPPER Co., 497 Pearl, New York
Isele, A. W. & Son, 51 Pitts, Boston, Mass.
Kaufman, A. G. Mfg. Co. (Inc.) (Self Heating), 133 Reade, New York
MacArthur, Archibald, Kearny, N. J.
Mansfield Tempered Copper Co., Mansfield, O.
New Haven Copper Co., Seymour, Conn.
NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Osborne, C. S. & Co., Harrison, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Stover Mfg. Co., Freeport, Ill.
Storts, Jno. & Son, 210 Vine, Phila., Pa.
Taunton-New Bedford Copper Co., New Bedford & Taunton, Mass.

Soldering Flux, Paste, Salts & Stick

Allen, L. B. Co. ("Sun" Stick, Paste & Salts), 98 Jackson boul, Chicago, Ill.
American Electric Fuse Co. ("Merico" Paste), Muskegon, Mich.
Atlantic Chemical Works ("Victor," Paste & Stick), 9 Seabring, Brooklyn, N. Y.
Benson, A. R. Co. (Yeager's Salts), Hudson, N. Y.
Blake Signal & Mfg. Co., Boston, Mass.
Brunner Chemical Works, Cincinnati, O.
Bull Dog Specialty Co. (Stick & Paste), South Bend, Ind.
Burnley Battery & Mfg. Co. ("Diamond," Stick & Paste), North East, Pa.
Callahan, Geo. & Co. (Fluid), 129 Front, New York
Central Stamping Co. ("Solderine" Salts & Paste), 174 Fulton, New York
Chase-Shawmut Co. ("Red E"), Newburyport, Mass.
Chicago Solder Co. ("Kester," Paste & Salts), 56 N Union, Chicago, Ill.
Cochrane Chemical Co. (Flux), Boston, Mass.
Corliss Chemical Co. (Stick, Paste & Salts), St. Louis, Mo.
Crescent Co. ("Star," "Crescent," Paste, Stick & Fluid), Valparaiso, Ind.
Dielectric Mfg. Co., St. Louis, Mo.
Dunton, M. W. Co. ("Nokorode," Paste), Providence, R. I.
Electric Traction Supply Co. ("I. T. L." Salts), St. Louis, Mo
Electrical & Mechanical Development Co ("Hickey's Hiko," Stick), Asbury Park, N. J
Elliott Chemical Works (Fluid), Newton, Mass.
Engler, C. A. ("Improved Acme," Stick), 842 N 6th, Phila., Pa
Fres-Ko Chemical Co., Fort Wayne, Ind.
General Chemical Co. (Salt & Solution), 25 Broad, New York
Grasselli Chemical Co. ("Snowflake," "Standard," "Eureka" Flux), Cleveland, O
Hartwig, Wm. J. Co. ("New Idea"), Detroit, Mich
Highland Electro Chemical Mfg. Co. (Insulating Soldering Paste), Connellsville, Pa
Leveridge, C. W. ("Yankee"), 133 Greenwich, New York
Manhattan Electric Supply Co. ("Excelsior"), 17 Park pl, New York
Reade Mfg. Co. ("Incomparable," Fluid), Hoboken, N. J
Ruby Chemical Co. ("Ruby," Fluid), Johnstown, O
Schneider, Emil (Salts), Newark, N. J.
Schultz, A. & Co. (Fluids), Baltimore, Md.
Seidner & Enequist (Soldering Fluid & Tinning Flux), Brooklyn, N. Y
Solderine Co., 53 State, Boston, Mass.
Walpole Chemical Co., Walpole, Mass.
WALSH, JOHN F. CO. ("Norcoreso" Stick, Salts & Fluids), Pittsfield, Mass. (See adv. index, end of book)

Soldering Frames & Cylinders

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Leffler, Chas. & Co. (For Can Makers), 63 Clymer, Brooklyn, N. Y

Soldering Furnaces

(See Furnaces, Gasoline Blast)

Soldering Iron & Blow Torch Combined (Gasoline)

Emmelmann Bros. Mfg. Co. ("Emmelmann"), Indianapolis, Ind.

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Soldering Irons (Electric)

American Electric Fuse Co. ("American"), Muskegon, Mich.
American Electrical Heater Co., Detroit, Mich.
Ohio Electric Works, Cleveland, O.
Simplex Electric Heating Co. ("American"), Cambridge, Mass.
Vulcan Electric Heating Co. ("Vulcan"), 69 W. Jackson boul., Chicago, Ill
Ward, Leonard Elec. Co., Bronxville, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co. (Electric), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Soldering Irons (Self Heating)

Ams, Max Machine Co. (For Canners, etc.), Mount Vernon, N. Y.
BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)
Kaufman, A. G. Mfg. Co., 133 Reade, New York

Soldering Machines

(See Machinery)

Soldering Sets

Arcade Mfg. Co., Freeport, Ill.
Barrett, W. L., Bristol, Conn.
Millers Falls Co. ("Gem"), 28 Warren, New York. Works, Millers Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Smith & Hemenway Co., 108 Duane, New York
Thompson, Chas. A. Co. ("Solderine"), 41 Cortlandt, New York
Williams, Chas. & Co., Bigelow, N. Y.
Winn, Wm. R. (Non-Corrosive), 143 Maiden la, New York

*Solenoids (Magnetic)

ELECTRIC CONSTRUCTION & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)

Soot Blowers & Suckers (Boiler Flue or Tube)

(See Cleaners, Boiler Flue or Tube (Soot Blowers & Suckers)

Sorters (Bean & Pea)

Bacon Mfg. Co., Pontiac, Mich.
Ferrell, A. T. & Co. ("Clipper"), Saginaw, Mich.
Johnson & Field Mfg. Co., Racine, Wis.

Sorters (Potato)

American Bell & Foundry Co., Northville, Mich.
Aspinwall Mfg. Co., Jackson, Mich.
Brown, Peter & Son, Greeley, Col.
Denver Iron & Wire Works Co. (Screens), Denver, Col
Dowden Mfg. Co., Prairie City, Ia.
Hench & Dromgold Co. (Peach & Potato Sorter), York, Pa.
Hoover, Prout & Co., Avery, O.
Johnston, A. H., Lucerne, Col.
Miller Bros. (Picker), Rochester, Mich.
Nowviock, J. H. & Sons (Separator & Grader), Bloomsburg, Pa
Pearson Mfg. Co., Edwardsville, Kans.

*Sounding Lines (Deep Sea)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Sowers (Hand Seed)

Allen, S. L. & Co. ("Planet, Jr."), 1017 Market, Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bachelor, S. W., Goshen, Ind.
Champion Seeder Co., Urbana, Ind.
Christen, F. & Son ("Premier" Broadcast), St. Louis, Mo.
Cyclone Seeder Co., Urbana, Ind.
Everett, J. A. (Broadcast), Indianapolis, Ind.
Foster, C. A. (Broadcast), Elkhart, Ind.
Goodell Co., Antrim, N. H.
Humphrey & Sons (Broadcast), Joliet, Ill.
Little Giant Seeder Co., North Manchester.
Prairie Mfg. Co., Indianapolis, Ind. Ind.
Pratt, Wm. E. Mfg. Co., 91 Lake, Chicago, Ill
Rittenhouse, S. B. (Broadcast), S Bend, Ind.
Seeder Mfg. Co., Homer, Mich.
Trojan Mfg. Co. (Broadcast), South Bend, Ind.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.

Sowers (Plaster)

Empire Drill Co., Shortsville, N. Y.
Foster & Williams Mfg. Co., Racine, Wis.
Ontario Drill Co., Despatch, N. Y.
Williams Bros. (Broadcast Plaster or Grain), Ithaca, N. Y.

Sowers & Drills (Hand Seed Garden)

Allen, S. L. & Co. ("Planet, Jr."), 1017 Market, Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bacon Mfg. Co. (Seed Drills), Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Buckley, R. C. (Garden Drills), Peoria, Ill.
Deere & Mansur Co. (Garden Seeders), Moline, Ill.
Everett, J. A., Indianapolis, Ind.
Genung, W. H. & Son ("Iron King"), Madison, O.
Jelliff, C. O. & Co. (Onion Seed, Drills, etc.), Southport, Conn.
Keller Mfg. Co. (Seeder), Albany, Pa.
Whitman & Barnes Mfg. Co. ("Pearce," "Cyclone," "Chicago"), West Pullman, Chicago, Ill.

Sowers & Seeders

(See Seeders & Sowers)

Spade Mfrs

(See Shovel, Spade & Scoop Manufacturers)

Spades (Concrete)

Concrete Spade Mfg. Co. ("Vaughn," for Concrete Work), 123 S Clinton, Chicago, Ill.

Spades (Garden)

(See also Shovel, Spade & Scoop Manufacturers)
Western Steel & Iron Works, De Pere, Wis.

Spades (Tiling)

American Fork & Hoe Co., Cleveland, O.
Avery Stamping Co., Cleveland, O.
Iwan Bros., South Bend, Ind.
Osmundson Spade Mfg. Co. ("Osmundson" One Piece), Perry, Ia.

Span Wire or Rising Forks

(See Forks, Rising)

Spars

Central Lumber Co., Wapavine, Wash.
Fraser Hollow Spar & Boat Co., Greenport (L. I.), N. Y.
Gamwell & Wheeler, Seattle, Wash.
Hoskins, J. S. Lumber Co., Baltimore, Md.
Lawley, Geo. & Son Corp'n, So. Boston, Mass.
Ostrander Railway & Timber Co., Ostrander.
Palmer Boat Co., Highland Park, Ill. Wash.
Northwest Lumber Co., Seattle, Wash.
Pigeon-Fraser Hollow Spar Co. (Clear White Spruce, Hollow & Solid Spars, 20 to 120 ft.), 116 Condor, East Boston, Boston, Mass.
Pope & Talbot, San Francisco, Cal.
Puget Lumber Co., Port Gamble, Wash.
Tacoma Mill Co., Tacoma, Wash.

Speaking Tubes

Berger Bros. Co., 237 Arch, Phila., Pa.
BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Cowles, C. & Co., Inc. (Automobile & Electric Megaphone), New Haven, Conn.
Ivins, Elwood Tube Works ("Seamless"), Oakline Station, Phila., Pa.
Keil, Francis & Son ("Reliance"), 401 E 163d. New York
Lamb & Ritchie Co., Cambridge, Mass.
McWade, Wm. J. (Combination Tube Phone & Mail Box), 101 Clinton, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl. New York
OSTRANDER, W. R. & CO., 22 Dey, New York. (See adv. index, end of book)
Poole, Jas. W., Boston, Mass.
Van Wagoner-Linn Construction Co., 110 W 28th, New York
Walsh, Owen Mfg. Co., 78 Barclay, New York
Western Electric Co., 259 S Clinton, Chicago. Ill. & 57 Bethune, New York
Wilhelm, Henry, 70 Frost, Brooklyn, N. Y.

Spears (Fish)

Arcade Mfg. Co., Freeport, Ill.

*Specifications for Architects & Builders

SOLTMANN, E. G. (also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Speed Changing Devices

(See Meters, Distance Recording; also Meters, Speed Indicating; also Variable Speed Transmission)

Speedometers

Du Vivier, Ernest H., 30 Church, New York
Schaeffer & Budenberg Mfg. Co. (For Motor Cars), Foxboro, Mass.

Speed Recording (Railway)

Railway Speed Recorder Co., Kent, O.

*Speed Reducing Transmission

(See also Variable Speed Transmission)
JAMES, D. O. MFG. CO. ("O'Kelly" Patent), 351 W Monroe, Chicago, Ill. (See adv. index, end of book)

Spelter Mfrs.

(See also Smelters of Spelter; also Smelters & Refiners)
American Metal Co. (Ltd.) (Jobbers), 52 B'way, New York
American Smelting & Refining Co., 165 B'way, New York
American Zinc, Lead & Smelting Co., Caney, Kan.
Beer, Sondheimer & Co., 42 B'way, New York
Behr & Steiner, 81 Fulton, New York
Blatchford, E. W. & Co., 70 N Clinton, Chicago, Ill.
Cherokee Zinc Co., Gas, Kan.
Delaware Metal Refinery, 18th & Washington av, Philadelphia, Pa.
Edgar Zinc Co., St. Louis, Mo.
Granby Mining & Smelting Co., St. Louis, Mo. Works, Granby, Mo.
Great Western Smelting & Refining Co., 179 W. Kinzie, Chicago, Ill.
Hayman, Mich'l & Co., Buffalo, N. Y.
Hegeler Bros., Danville, Ill.
Hendricks Bros., 49 Cliff, New York
Hiertz, Theo. Metal Co., 10th & Poepping, St. Louis, Mo.
Hofeller Smelting & Refining Co., Buffalo, N. Y.
Illinois Smelting & Refining Co., cor Peoria & Kinzie, Chicago, Ill.
Illinois Zinc Co., Peru, Ill.
Kramer, H. & Co., 353 S. Canal, Chicago, Ill.
Lanyon Zinc Co., Iola, Kans.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Mineral Point Zinc Co., 204 Dearborn, Chicago, Ill. Works, Mineral Point, Wis.
New Jersey Zinc Co. ("Horsehead"), 55 Wall, New York
Prime Western Spelter Co., Gas, Kan.
Raymond Lead Co., 51 W Lake, Chicago, Ill.
Sandoval Zinc Co., 122 N Peoria, Chicago, Ill. Works, Sandoval, Ill.
Shimer, H. M. & Co. ("Golden Rod"), 19th & Washington, av, Phila., Pa.
Trench, C. S. & Co., 81 Fulton, New York
Trotter, Nathan & Co., 36 N Front, Phila., Pa.
United Zinc & Chemical Co., Kansas City, Mo. Works, Argentine & Iola, Kans.
Vogelstein, L. & Co., 42 B'way, New York
Waite, Ranlet & Co., Boston, Mass.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Woodfall Bros., 1105 Fairmont av, Phila., Pa.

Spherometers

Smith, Ernest G. Co. ("Columbia"), Columbia, Pa.

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*Spice Mills

(See also Mills, Coffee & Spice)

BROWN, A. & F. CO., 25 Dey, New York. (See adv. index, end of book)

Spiegeleisen

Bond, Vivian & Co., 66 Beaver, New York
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Crocker Bros. (German), 90 John, New York, & Penna. bldg, Phila., Pa.
Dana & Co. (English & German), 32 B'way, New York
LEAVITT, C. W. & CO. (English & German), 30 Church, New York. (See adv. index, end of book)
Maryland Steel Co., Sparrows Point, Baltimore, Md.
New Jersey Zinc Co. (From Zinc Residuum), 55 Wall, New York
Penna. Steel Co., Girard bldg, Phila., Pa.
Potts & Wittman, North American bldg., Phila., Pa.
Samuel, Frank (Firm of), 1502 Market, Phila., Pa.
Tennant, C., Sons & Co., 76 William, New York.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.

Spike Mfrs.

(Under this heading see Sub-classifications)

American Iron & Steel Mfg. Co., Lebanon, Pa.
AMERICAN STEEL & WIRE CO., (Wire), Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices end of book)
Ames, W. & Co., Jersey City, N. J.
Colorado Fuel & Iron Co., Denver, Col.
Davis Bros., N 20th & Bristol, Phila., Pa.
Dilworth, Porter & Co., Pittsburg, Pa.
Godcharles, F. A. Co. (Cut), Milton, Pa.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Igoe Bros., 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kelly Nail & Iron Co. (Cut), Ironton, O.
La Belle Iron Works, Steubenville, O.
Linton Rolling Mill Co., Park bldg., Pittsburg, Pa.
Norton Iron W'ks (Inc.), Ashland, Ky. Pa.
Old Dominion Iron & Nail W'ks Co., Richmond.
Penn Iron Co., Lancaster, Pa. Va
Phillips, Townsend & Co., 4th & Glenwood av, Pottsville Bolt Co., Pottsville, Pa. Phila., Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Severence, S. Mfg. Co., Glassport, Pa.
Sylvester Co., 70 Kilby, Boston, Mass.
Tredegar Co., Richmond, Va.
Van Alen & Co. (Cut All Sizes), Northumberland, Pa.
Wheeling Steel & Iron Co. (Steel Cut), Wheeling, W. Va.

Spikes (Boat)

(See Spikes, Ship, Dock & Bridge)

Spikes (Bridge)

(See Spikes, Ship, Dock & Bridge)

Spikes (Composition, Boat)

Taunton-New Bedford Copper Co., Taunton Mass., & New Bedford, Mass

Spikes (Countersunk)

Lenz, Matthew & Sons, 101 S 20th, Pittsburg Pa

Spikes (Cut)

Brooke, R. & G. Iron Co., Birdsboro, Pa.
Godcharles, F. A. Co., Milton, Pa.
Igoe Bros., 69 Metropolitan av, Brooklyn, N Y., & Newark, N. J.
Kelly Nail & Iron Co., Ironton, O.
La Belle Iron Works, Steubenville, O.
Norton Iron Works, Ashland, Ky.
Old Dominion Iron & Nail Works Co., Richmond.
Van Alen & Co., Northumberland, Pa. Va.
Wheeling Steel & Iron Co., Wheeling, W. Va

Spikes (Dock or Wharf)

(See Spikes, Ship, Dock & Bridge)

Spikes (Hand Made)

Davis Bros., 20th & Bristol, Phila., Pa.
Kohlmann's, Peter Sons, Humboldt, Brooklyn N. Y.
Ulmer, Theo. C., 336 Richmond, Phila., Pa.

Spikes (Railroad Track)

American Iron & Steel Mfg. Co. (Pressed or Rolled Points), Lebanon, Pa
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ames, W. & Co., Jersey City, N. J.
Atlanta Steel Co., Atlanta, Ga.
CAREY, GEO. H. (Jobber), 1 B'way, New York. (See adv. index, end of book)
Colorado Fuel & Iron Co., Denver, Colo.
Davis Bros., N 20th & Bristol, Phila., Pa.
Dilworth, Porter & Co. (Steel), Pittsburg, Pa.
Elyria Iron & Steel Co. (High Carbon Steel), Elyria, O.
Hirsch Rolling Mill Co., St. Louis, Mo.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
KILGORE-PETELER CO. (Mfrs.' Agts.), Minneapolis, Minn. (See adv. index
Linton Rolling Mill Co., Linton, Ind.
Oliver Iron & Steel Co. (Screw), Pittsburg, Pa.
Old Dominion Iron & Nail Works Co., Richmond.
Penn Iron Co., Lancaster, Pa. Va.
PITTSBURGH GAGE & SUPPLY CO. (Jobbers), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Sellers Mfg. Co., 27 W Chicago av, Chicago
Severence, S. Mfg. Co., Glassport, Pa. Ill
Sylvester Co., 70 Kilby, Boston, Mass.
Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
Tredegar Co., Richmond, Va.

Spikes (Rubber)

Morgan & Wright (Inc.), Detroit, Mich.

Spikes (Screw)

Pittsburg Forge & Iron Co., Pittsburg, Pa.

Spikes (Ship, Dock & Bridge)

American Iron & Steel Mfg. Co., Lebanon, Pa
AMERICAN STEEL & WIRE CO., Commercial Natl. Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ames, W. & Co., Jersey City, N. J.
CAREY, GEO. H. (Jobber), 1 B'way, New York. (See adv. index, end of book)
Colorado Fuel & Iron Co., Denver, Col.
Davis Bros., N 20th & Bristol, Phila., Pa.
Dilworth, Porter & Co. (Steel), Pittsburg, Pa.
Hoopes & Townsend Co., 1330 Buttonwood Phila., Pa
Jones & Laughlin Steel Co., Pittsburg, Pa.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo
Kohlmann's, Peter Sons (Hand-Made & Galvanized), Humboldt, Brooklyn, N. Y
La Belle Iron Works, Steubenville, O.
Lenz, Matthew & Sons, 101 S 20th, Pittsburg, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
Norton Iron Works (Inc.), Ashland, Ky.
Old Dominion Iron & Nail Works Co., Richmond
Oliver Iron & Steel Co., Pittsburg, Pa. Va.
PITTSBURGH GAGE & SUPPLY CO. (Jobbers), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)
Penn Iron Co. (Ltd.), Lancaster, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence, S. Mfg. Co., Glassport, Pa.
Sylvester & Co., 8 Oliver, Boston, Mass.
Tredegar Co., Richmond, Va.
Youngstown Sheet & Tube Co., Youngstown, O.

Spikes (Track)

(See Spikes, Railroad Track)

Spikes (Wire)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Corbin Screw Corporation, New Britain, Conn
Kokomo Steel & Wire Co., Kokomo, Ind.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co., Youngstown, O.

Spindles (Clamp)

Gem Mfg. Co. ("Gem," for Holding Buffing & Polishing Wheels, etc.), Pittsburg, Pa.

Spinning (Metal)

Acorn Brass Mfg. Co., 203 Fulton, Chicago, Ill.
BADGER, E. B. & SONS CO., 75 Pitts, Boston, Mass. (See adv. index, end of book)
Barlow Mfg. Co., Holyoke, Mass.
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Braun, David J. Mfg. Co., 135 W Wash'n, Chicago, Ill.
Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich.
Evansville Stamping Works, Evansville, Ind.
Giese & Goodyear Co. (German Silver, Copper, Brass & Steel), 200 S 5th, Phila., Pa.
Goodwin & Kintz Co. (Brass, Steel, Aluminum, etc.), Winsted, Conn.
Hergert, Theo. E., 422 E 53d, New York
Ideal Gas & Electric Fixture Co., 142 Worth, New York
Ireland & Matthews Mfg. Co. (German Silver, Copper, Brass & Steel), Detroit, Mich.
Klause, Chas., 1204 Nectarine, Phila., Pa.
Miller & Doing, 83 Wash'n, Brooklyn, N. Y.
Naugatuck Mfg. Co., Naugatuck, Conn.
Smith, Chas. G., 352 Pearl, New York
Turner Brass Works (All Metals), Sycamore, Ill.
Twinco Stamping Works, Rome, N. Y.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N.Y.

Spirits (Columbian)

Gray, Wm. S. & Co., 76 William, New York
Webb, A. L. & Sons, Baltimore, Md.
Wood Products Co., Buffalo, N. Y.

Spirits (Wood)

(See also Alcohol, Wood)

Peninsular Naval Stores Co., Tampa, Fla.
Willcox-Ives Oil Co., Savannah, Ga.

Spittoons (Steel Factory)

(See also Cuspidors)

Ohio Mfg. Co., Painesville, O.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N.Y.

Splicers (Cable)

Matthews, W. N. & Bro. ("Hargis"), St. Louis, Mo.
Morris, Elmer P. Co., 90 West, New York

Sponge Rubber

DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Faultless Rubber Co. (For Stamp Mates), Ashland, O.
Goodrich, B. F. Co. (For Rubber Stamps, etc.), Akron, O.
Morgan & Wright (Inc.) (Car Wagon, etc.), Detroit, Mich.
"N" Tire Rubber Sponge Co. ("Featheredge"), 35 E. Indiana, Chicago, Ill.

Sponges

Greek-American Sponge Co., 229 Randolph, Chicago, Ill.
Rhodes, James H. & Co. (Producers & Bleached), 117 Kinzie, Chicago, Ill.

Spool Mfrs

(See Textile Machinery, Supplies, Etc.)

Spoons (Aluminum)

Griswold Mfg. Co. ("Erie," Cast), Erie, Pa.
Wagner Mfg. Co., Sidney, O.

Spoons (Basting & Mixing)

Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Glover, Julia B., Ardsley, N. Y.
Potter Mfg. Co., Geneva, O.

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Spoons (Digging)

(See also Shovel & Spade Manufacturers)

Ames Shovel & Tool Co. (Telegraph, etc), Boston, Mass.
Beall Bros. (Inc.), Alton, Ill.
Chisholm, William & Sons, Cleveland, O.
Columbus Handle & Tool Co., Columbus, Ind.
Gibbs Mfg. Co. (Lock Lever), Canton, O.
Hubbard & Co., Pittsburg, Pa.
Hussey & Binns Shovel Co., Pittsburg, Pa.
Indiana Shovel Co., New Castle, Ind.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Pfeifer, Jno. & Co., 222 Race, Phila., Pa.
Pittsburg Shovel Co., Pittsburg, Pa. Works: Leechburg, Pa.
Russell, J. C. Shovel Co., Pittsburg, Pa.
Wyoming Shovel Works, Wyoming, Pa.

Spoons (Measuring)

Landers, Frary & Clark ("Universal" & "Original"), New Britain, Conn.

Spoons (Rock Drilling)

Falls Mfg. Co., San Francisco, Cal.

Spoons (Strainer)

Hutchins, C. K. Co., Buffalo, N. Y.

Spoons (Telegraph)

Hussey-Binns Shovel Co. (Crucible Cast Steel), Pittsburg, Pa. Works, Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Maynard, C. A., Northampton, Mass.
Pittsburg Shovel Co. ("W. A. Shuster," "Armstrong"), Frick Bldg., Pittsburg, Pa. Works: Leechburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

Spoons (Tin)

Atlas Mfg. Co., New Haven, Conn.
Central Stamping Co., 174 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Humphrey, H. W., Unionville, Conn.
Parker, Chas. Co., Meriden, Conn.
Wallace, R. & Sons Mfg. Co., Wallingford, Conn.
Yale, C. I. Mfg. Co., Yalesville, Conn.

Spoons (Wooden)

Cudworth & Pitts, State Line, N. H.
Peirce, W. E. & Co., Milford, N. H.

Sporting Goods Mfrs.

(For other goods in this line see Specific Article or write us)

Chicago Sporting Goods Mfg. Co. (Base Ball, Foot Ball, Boxin, etc.), Fulton & May, Chicago, Ill.

*Sprayers (Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
OSBORN MFG. CO. (Lighting), 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)

Sprayers (Potato)

Aspinwall Mfg. Co., Jackson, Mich.
VOELKNER & HARRY MANUFACTuring Co. (Hand), 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Splittstoser, F. ("Splittstoser"), North Branch, Minn.

Spraying Apparatus

(See Pumps, Spraying; also Spraying Machines)

Spreaders (Concrete)

AMERICAN CONCRETE CO. (Mfrs.' Agents), 80 William, New York. (See adv. index, end of book)
Briggs Labor Saving Specialty Co. ("Briggs"), Waterloo, Pa.

*Spreaders (Glue)

ADVANCE MACHINERY CO., Toledo, O. (See adv. index, end of book)

Spreaders (Lime)

Hench & Dromgold Co., York, Pa.
Ontario Drill Co., Despatch, N. Y.
Spangler Mfg. Co., York, Pa.

Spreaders (Manure)

American Harrow Co., Detroit, Mich.
Caldwell & Drake Iron Works (Inc.), Columbus, Ohio
Corn Belt Mfg. Co., Waterloo, Ia.
Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, Chicago, Ill., & Auburn, N. Y.
Kemp, J. S. Mfg. Co., Newark Valley, N. Y.
Kemp & Burpee Mfg. Co., Syracuse, N. Y.
Litchfield Mfg. Co. ("King"), Waterloo, Ia.
Newark Machine Co., Newark, O.
Richardson Mfg. Co., Worcester, Mass.
Smith Mfg. Co. ("Great Western"), 158 E. Harrison, Chicago, Ill.
Rosendale Spreader Co., Rosendale, Wis.
Ross, E. W. Co., Springfield, O.
Spangler Mfg. Co. (Broadcast), York, Pa.
Waterloo Spreader Mfg. Co., Waterloo, Ia.

Spreaders (Rubber Mill)

American Tool & Machine Co., 109 Beach, Boston, Mass.
Birmingham Iron Foundry, Derby, Conn.
New England Butt Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

*Spreaders (Tar)

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Spring Cotters & Keys

(See Cotters, Spring; also Keys, Flat Spring & Riveted)

Spring Dampener

McCord & Co. ("McCord"), Old Colony bldg, Chicago, Ill.

Spring Hinges

(See Hinges, Spring Butt)

Springs (Agricultural Implement)

(See also Springs, Machinery)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Babcock Mfg. Co., Leonardsville, N. Y.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cambria Steel Co. (Gautier Dept.), Arcade bldg., Phila., Pa. Works, Johnstown, Pa.
Cleveland Wire Spring Co., Cleveland, O.
Cook Spring Co., 420 E 106th, New York
Crucible Steel Co., Frick bldg, Pittsburg, Pa.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E. Huron, Chicago, Ill.
Harrow Spring Co. (Cultivator Sectional, etc.), Kalamazoo, Mich.
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Page Woven Wire Fence Co., Monessen, Pa.
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburg, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Ltd.) (Steel & Wire), Corry, Pa.
Sabin Machine Co., Montpelier, Vt.
Vehicle & Implement Spring Co., Pontiac, Mich
Wilson, Robt. P., 313 Market, Newark, N. J.

Springs (Air Brake)

(See Springs, Coil or Spiral)

Springs (Automobile)

(See also Springs, Various Kinds; also Shock Absorbers)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
Burgess, Robt. & Son ("Burgess" Double Tension), Winona, Ill.
Cleveland-Canton Spring Co., Canton, O.
Cleveland Wire Spring Co. (Wire), Cleveland, Ohio
Cook Spring Co., 420 E 106th, New York
Detroit Steel Products Co., E Grand boul & Chene, Detroit, Mich.
Detroit Wire Spring Co. (Wire), Detroit, Mich.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Gem Wire Fence Co., Pontiac, Mich.
Hebb, Geo. A. (Coil), Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Iron City Spring Co., Allegheny, Pa.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
King Spring Co., Buffalo, N. Y.
Merrill, E. R. Spring Co., 530 W 28th, New York
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
Palmer, Jos., 333 Rutherford av, Boston, Mass.
Penn Spring Works, Baldwinsville, N. Y.
Raymond Mfg. Co. (Ltd.) (Steel & Wire), Corry, Pa.
Spring Perch Co., Bridgeport, Conn.
Supplementary Spiral Spring Co. (Spiral), St. Louis, Mo.
Triple Action Spring Co. (Triple Action), 67 21st, Chicago, Ill.
Tuthill Spring Co., 215 W Polk, Chicago, Ill.

Springs (Bed)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cuyahoga Spring Works, 810 Champlain, Cleveland, O.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Hartford Woven Wire Mattress Co., Hartford, Conn.
Independent Steel & Wire Co., Pittsburg, Pa.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Morgan Spring Co. ("Helical"), Worcester, Mass.

Springs (Bicycle)

(See Springs, Coil or Spiral)

Springs (Bolster)

(See Springs, Car)

Springs (Brush Holder)

American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
Eureka Tempered Copper Works, North East, Pa.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Morgan Spring Co., Worcester, Mass.
Railway Steel Spring Co., 30 Church, New York
Vose Spring Co., 347 W B'way, New York

Springs (Car)

American Spiral & Spring Mfg. Co. (Car Truck), Pittsburg, Pa.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Betts Spring Co., 218 Fremont, San Francisco, Cal.
Cook Spring Co., 420 E 106th, New York
Crucible Steel Co. of America, Pittsburg, Pa.
Detroit Steel Products Co., Detroit, Mich.
Fariat Steel Co., Bridgeport, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)

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FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. & Co., Huron & Kinsbury, Chicago, Ill.
Harrow Spring Co. (Railway & Street Car), Kalamazoo, Mich.
Independent Steel & Wire Co., Pittsburg, Pa.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
Phoenix Car Spring Co. (Car & Tender), Rookery bldg, Chicago, Ill. Works: Joliet, Ill.
Pittsburg Spring & Steel Co., Farmers' Bank bldg, Pittsburg, Pa.
Railway Steel Spring Co. (Heavy, Elliptic & Coil), 30 Church, New York
Rowland, Wm. & Harvey, Frankford, Phila., Pa.
Simplex Railway Appliance Co. (Coil & Elliptic), Commercial Nat'l Bank Bldg., Chicago, Ill. Works: Hammond, Ind.
Standard Steel Works, Harrison bldg, Phila., Pa.
Union Spring & Mfg. Co. (Coil & Elliptic), Farmers' B'k bldg, Pittsburg, Pa.; Works: New Kensington, Pa.
Vose Spring Co., 347 W B'way, New York

Springs (Car Fender)

(See Springs, Coil or Spiral)

Springs (Car Seat)

(See Springs, Furniture & Upholstering)

Springs (Carriage & Wagon)

Adams, E. B. & Son (Wagon), Racine, Wis.
Ansted Spring & Axle Co., Connersville, Ind.
Armstrong, J. B. Mfg. Co., Flint, Mich.
Belle City Bolster Spring Co. (Wagon), Racine, Wis.
Cleveland-Canton Spring Co., Canton, O.
Cleveland Wire Spring Co. (Bolster), E 88th Hamilton, N E, Cleveland, O.
Concord Axle Co. ("Palmer's" Concord), Pennacook, N. H.
Cooper, Geo. & Co., Cleveland, O.
Delany, D. & Son, 2 Liberty, Newark, N. J.
Detroit Wire Spring Co., Detroit, Mich.
Dobbins, C. E. & Co., 172 N Halsted
Foster Bros. Mfg. Co., Utica, N. Y.
Haggard Wagon Spring Co. (Wagon), Lafayette, Ind
HEARTLEY MACHINE, VARIETY Iron & Tool Works (Wagon Seat), Toledo, O. (See adv. index, end of book)
Hess-Pontiac Spring & Axle Co., Pontiac, Mich.
Hess Spring & Axle Co., Carthage, Cincinnati, Higgins Spring & Axle Co., Racine, Wis. Ohio
Hirsch Bros. (Bolster), Milwaukee, Wis.
Independent Steel & Wire Co., Pittsburg, Pa
Indianapolis Bolster Spring Co., 107 S Meridian Indianapolis, Ind
Iron City Spring Co. (Oil Tempered), Allegheny, Pa.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich
Keystone Spring Works, 13th & Buttonwood, Philadelphia, Pa.
King Spring Co. (Carriage Only), Buffalo, N. Y.
Lewis Spring & Axle Co., Jackson, Mich.
Liggett Spring & Axle Co., Monongahela, Pa.
Lightbody & Foster, South & Allegheny avs, Allegheny, Pa.
Merrill, F. B. Spring Co., 530 W 28th, New York, & Jersey City, N. J.
Morgan Spring Co., Worcester, Mass.
Mulholland Spring Co. (Ball Bearing), Dunkirk, N. Y.
New Haven Spring Co., New Haven, Conn.
Palmer, Jos. (Est. of), 333 Rutherford, Boston, Mass.
Penn Spring Works, Baldwinsville, N. Y.
Pontiac Spring & Wagon Works (Bolster), Pontiac, Mich.
Racine Pole & Spring Co. (Bolster), Racine, Wis.
Racine Rice Machinery Co. (Bolster), Racine, Wis.
Rowland, Wm. & Harvey, Frankford, Phila., Pa.
Sheldon Axle Co., Wilkesbarre, Pa.
Spring Perch Co. (Carriage Only), Bridgeport, Conn.
Studebaker Bros., Mfg. Co. (Wagon & Bolster), South Bend, Ind.
Tuthill Spring Co., 215 W Polk, Chicago, Ill.
Vehicle & Implement Spring Co., Pontiac, Mich.
Wurster, Fred. W. & Co., 375 Kent av, Brooklyn, N. Y.

Springs (Children's Carriage, Etc.)

American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Wagner, E. R. Mfg. Co., North Milwaukee, Wis.

Springs (Clock, Music Box, Etc.)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Cary Spring Works, 240 W 29th, New York
Cook Spring Co., 420 E 106th, New York
Dunbar Bros. Co., Bristol, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Mauros, F. N., Forestville, Conn.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., 73 Park av, Hoboken, N. J.

Springs (Coil or Spiral)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Barnes, Wallace Co. (Small, All Kinds), Bristol, Conn.
Cary Spring Works, 240 W 29th, New York
Chatillon, Jno. & Sons (Cast Steel), 85 Cliff, New York
Cleveland Wire Spring Co., Cleveland, O.
Cook Spring Co., 420 E. 106th, New York.
Cooper, Geo. & Co., Cleveland, O.
Crucible Steel Company of America (All Kinds of Coil), Pittsburg, Pa.
Detroit Steel Products Co. ("Harvey" Friction Draft), Detroit, Mich.
Detroit Wire Spring Co. (Wire), Detroit, Mich.
Dunbar Bros. Co. (Small Sheet Steel & Brass Wire), Bristol, Conn.
Eureka Spring Co., 347 W B way, New York
Harist Steel Co. (Car, etc.), Bridgeport, Conn
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Harrow Spring Co., Kalamazoo, Mich.
Hebb, Geo. A. (Coil), Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Insull, Thos., 1429 Hutchinson, Phila., Pa.
Ludlow-Saylor Wire Co., St. Louis, Mo.
McGuire-Cummings Mfg. Co., 112 N Sangamon, Chicago, Ill.
Meyer & Co., Auburn, N. Y.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Pittsburgh Spring & Steel Co. (Car, etc.), Farmers' Bank bldg, Pittsburg, Pa.
Price, Wm. F. (Spiral), Reading, Pa.
Railway Steel Spring Co. (Light & Heavy), 30 Church, New York
Raymond Mfg. Co. (Ltd.) (Steel & Wire), Corry, Pa.
Sabin Machine Co. (Organ, etc.), Montpelier, Vt.
Sheldon Axle Co., Wilkes-Barre, Pa.
Shuler, D. W. & Son, Amsterdam, N. Y.
Silver, Wm. S. & Co., 347 W B'way, New York
Simplex Railway Appliance Co. (Car & Locomotive), Commercial Nat. Bk. bldg, Chicago, Ill. Works: Hammond, Ind.
Taylor Electric Truck Co. (Coil Only), Troy, N. Y.
Tuthill Spring Co., 215 W Polk, Chicago, Ill.
Ventilated Cushion & Spring ("Rough Rider"), 1514 Euclid av, Cleveland, O.
Union Spring & Mfg. Co. (Car & Machinery), Farmers' B'k bldg, Pittsburg, Pa.; Works: New Kensington, Pa.
Vose Spring Co., 347 W B'way, New York
Wilson, Robt. P., 313 Market, Newark, N. J.

*Springs (Compression)

(See also Springs, Extension & Compression)
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)

Springs (Cultivator)

(See Springs, Agricultural Implement)

Springs (Curtain)

Morgan Spring Co., Worcester, Mass.

Springs (Door)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.

FORT PITT SPRING & MFG. CO.

MANUFACTURERS OF

COIL & ELLIPTIC SPRINGS

VANADIUM STEEL SPRINGS

Works, McKEES ROCKS, PA.

Offices, FARMERS BANK BLDG., PITTSBURG

SELLING AGENTS

Steel & Railway Supply Co.,	Boston, Mass.
W. R. Jacques & Company,	New York, N. Y.
Sloan-Howell & Company,	Philadelphia, Pa.
Universal Railway Supply Co.,	Baltimore, Md.
John J. Reilly & Company	Columbus, Ohio
Railway Specialty & Supply Co.,	Chicago, Ill.
B. C. Watts & Company,	Denver, Colo.
William R. Jacques,	Kansas City, Mo.
Railway Supply & Equipment Co.,	Atlanta, Ga.

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AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Arcade Mfg. Co. ("Warner" & "Perfect"), Freeport, Ill.
Chatillion, John & Sons, 85 Cliff, New York
Chicago Spring Butt Co., 54 Union Park pl, Chicago, Ill.
Cleveland Wire Spring Co., Cleveland, O.
Columbian Hardware Co., Cleveland, O.
Cuyahoga Spring Works (Screen Door), 810 Champlain, Cleveland, O.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Hayward, S. F. & Co. (Engine House), 39 Park Pl, New York
Independent Steel & Wire Co., Pittsburg, Pa.
Middletown Mfg. Co ("Geran"), Middletown, Ohio
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Morgan Spring Co. ("Perfection" & "Morgan"), Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hdw. Mfg. Co. (Coil), Homer, N. Y.
Pullman Mfg. Co., Rochester, N. Y.
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sabin Machine Co., Montpelier, Vt.
Union Mfg. Co., New Britain, Conn.
Wire Goods Co. ("Perfection"), Worcester, Mass.

Springs (Draft)

Beecher Draught Spring Co., New Haven, Conn.
Crucible Steel Company of America, Pittsburg, Pa.
Detroit Steel Products Co. ("Harvey" Friction Draft), Detroit, Mich.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Hayward, S. F. & Co., 39 Park Pl, New York
Morgan Spring Co., Worcester, Mass.
Railway Steel Spring Co., 30 Church, New
Raymond Mfg. Co. (Ltd.), Corry, Pa. York

Springs (Elliptic)

Cleveland-Canton Spring Co., Canton, O.
Cooper, George & Co., Western Reserve bldg, Cleveland, O.
Crucible Steel Company of America, Pittsburg,
Delaney & Son, Newark, N. J. Pa.
Farist Steel Co. (For Railroad Cars), Bridgeport, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Hess Spring & Axle Co. (Platform & Concord), Carthage, Cincinnati, O.
Insull, Thomas, 1429 Hutchinson, Phila., Pa.
Iron City Spring Co., Allegheny, Pa.
Kalamazoo Spring & Axle Co. (For Farm Wagon Seats), Kalamazoo, Mich.
Keystone Spring Works, 13th & Buttonwood, Philadelphia, Pa.
Latrobe Steel Co., Girard bldg, Phila., Pa.
Merrill, E. R. Spring Co., 530 W 28th, New
Morgan Spring Co., Worcester, Mass. York
Pittsburgh Spring & Steel Co. (Car & Locomotive, Traction Car), Farmers' Bank bldg, Pittsburg, Pa.
Railway Steel Spring Co. (Car & Locomotive), 30 Church, New York
Rowland, Wm. & Harvey (Inc.), Frankford Philadelphia, Pa
Sheldon Axle Co., Wilkes-Barre, Pa.
Shuler, D. W. & Son, Amsterdam, N. Y.
Silver, Wm. S. & Co., 347 W B'way, New York
Simplex Railway Appliance Co. (Car & Locomotive), Commercial Nat'l Bank bldg, Chicago, Ill. Works: Hammond, Ind.
Standard Steel Works Co. (Car & Locomotive), Harrison bldg, Phila., Pa.
Taylor Electric Truck Co., Troy, N. Y.
Tuthill Spring Co., 215 W Polk, Chicago, Ill.
Union Spring & Mfg. Co. (Locomotive & Railway Equipment), Farmers Bank bldg, Pittsburg, Pa. Works: New Kensington, Pa.
Vose Spring Co., 347 W B'way, New York

Springs (Engine House Door)

American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index end of book)
Morgan Spring Co., Worcester, Mass.
Myer, Benj. Co., 470 Broad, Newark, N. J.

Springs (Extension & Compression)

American Spiral Spring & Mfg. Co., Pittsburg, Pa
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial National Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cook Spring Co., 420 E 106th, New York
Crucible Steel Company of America, Pittsburg, Pa.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Miller & Van Winkle ("Eagle"), 18 Bridge, Brooklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
Railway Steel Spring Co., 30 Church, New
Raymond Mfg. Co. (Ltd.), Corry, Pa. York

Springs (Fish Plate)

(See Lock Nuts)

*Springs (Friction Draft)

(See also Springs, Draft)

FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)

Springs (Furniture & Upholstering)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cuyahoga Springs Works, 810 Champlain, Cleveland, O.
Detroit Wire Spring Co., Detroit, Mich.
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Page Woven Wire Fence Co., Monessen, Pa.
Staples & Hanford Co., Newburgh, N. Y.

Springs (Gate)

(See Springs, Coil, Etc.)

Springs (Governor)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' B'k bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
Railway Steel Spring Co., 30 Church, New York

Springs (Grain Drill)

(See Springs, Agricultural Implement)

Springs (Hair)

Manross, F. N. ("Manross" Non-Magnetic for Marine Clocks, Steam Gauges, Electrical Instruments, etc.), Forestville, Conn.

Springs (Helical)

BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cook Spring Co., 420 E 106th, New York
Crucible Steel Company of America, Pittsburg, Pa.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

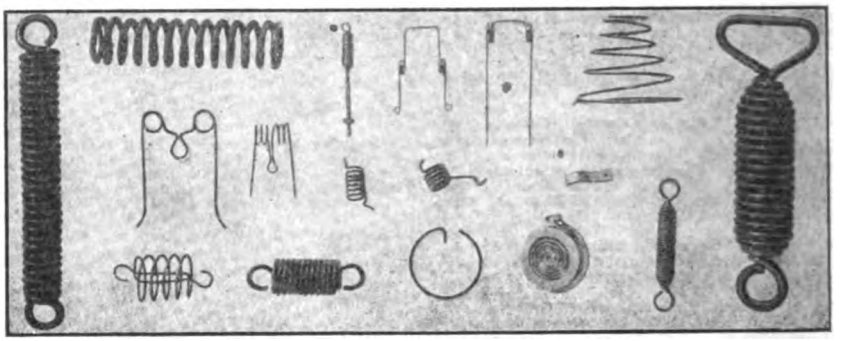
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Springs (Locomotive)

(See Springs, Car)

Springs (Machinery)

(See also Springs, Agricultural Implement)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Barnes, Wallace Co., Bristol, Conn.
Cary Spring Works, 240 W. 29th, New York
Cleveland Wire Spring Co., Cleveland, O.
Cook Spring Co., 420 E. 106th, New York.
Crucible Steel Company of America, Pittsburg, Pa.
Cuyahoga Spring Works, Cleveland, O.
Dunbar Bros. Co., Bristol, Conn.
Eureka Spring Co., 347 W B'way, New York
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Harrow Spring Co., Kalamazoo, Mich.
Hebb, Geo. A., Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Miller & Van Winkle, 18 Bridge, Bklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburg, Pa
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Sabin Machine Co., Montpelier, Vt.
Union Spring & Mfg. Co. (Coil), Farmers Bank bldg, Pittsburg, Pa.; Works: New Kensington, Pa.
Vose Spring Co., 347 W B'way, New York

Springs (Oil Tempered)

American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
Chatillon, Jno. & Sons, 85 Cliff, New York
Cook Spring Co., 420 E 106th, New York
Crucible Steel Company of America, Pittsburg, Pa.
Dunbar Bros. Co. (Clock, etc.), Bristol, Conn.
Detroit Steel Products Co., Detroit, Mich.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Miller & Van Winkle, 18 Bridge, Bklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Railway Steel Spring Co., 30 Church, New York
Sabin Machine Co., Montpelier, Vt.

Springs (Organ)

Sabin Machine Co., Montpelier, Vt.

Springs (Pipe Bending)

Cleveland Wire Spring Co., Cleveland, O.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
Raymond Mfg. Co. (Ltd.) (Plumbers'), Corry, Pa.
Vose Spring Co., 347 W B'way, New York

Springs (Refrigerator, Door)

Roller Bar Door Closer Co., Springfield, Mass.

Springs (Rubber)

BOSTON BELTING CO., 200 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Canfield, H. O. Co., Bridgeport, Conn.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Elkhart Rubber Works, Elkhart, Ind.
Empire Rubber Mfg. Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich, B. F. Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York, & Passaic, N. J.
Mechanical Rubber Co., 73 Reade, New York
Morgan & Wright, Inc. (Car, Wagon, etc.), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
New York Rubber Co., 84 Reade, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Republic Rubber Co., Youngstown, O.
Stokes, Jos. Rubber Co., Trenton, N. J.
Thermoid Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wilkie Rubber Mfg. Co., Saugus, Mass.

Springs (Rubber Channeler)

Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron, O.
Morgan & Wright, Inc. (For Quarrying Machinery), Detroit, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Springs (Small)

American Spiral Spring & Mfg. Co., Pittsburg, Pa
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Cary Spring Works, 240 W 29th, New York
Cleveland-Canton Spring Co., Canton, Mich.
D'Arcy Spring Co. (Cushion), Kalamazoo, Mich.
Dunbar Bros. Co., Bristol, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Independent Steel & Wire Co., Pittsburg, Pa.
Jackson Cushion Spring Co. (Seat & Back Springs), Jackson, Mich.
Miller & Van Winkle, 18 Bridge, Brooklyn.
Morgan Spring Co., Worcester, Mass. N. Y.
National Spring & Wire Co., Albion, Mich.
Peck & Way Mfg. Co., Forestville, Conn.
Railway Steel Spring Co., 30 Church, New
Raymond Mfg. Co. (Ltd.), Corry, Pa. York
Trenton Spring Mattress Co., Trenton, N. J.
Wallace-Barnes Co., Bristol, Conn.
Windsor Spring Co. (Cushion), Kenosha, Wis.
Wing, Chas. Co. (Cushion), Amesbury, Mass.

*Springs (Spiral)

(See Springs, Coil or Spiral)

Springs (Switch and Signal)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Railway Steel Spring Co., 30 Church, New York

Springs (Track Scraper)

Harrow Spring Co., Kalamazoo, Mich.

Springs (Trolley)

American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., Cleveland, O.
Cook Spring Co., 420 E. 106th, New York
Crucible Steel Company of America, Pittsburg, Pa.
Eureka Spring Co., 347 W B'way, New York
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gibson, Wm. D. Co., 27 E Huron, Chicago, Ill.
Independent Steel & Wire Co., Pittsburg, Pa.
Merrill, E. R. Spring Co., 530 W 28th, New York
Miller & Van Winkle, 18 Bridge, B'klyn, N. Y.
Morgan Spring Co., Worcester, Mass.
Pittsburg Spring & Steel Co., Pittsburg, Pa.
Railway Steel Spring Co., 30 Church, New
Raymond Mfg. Co. (Ltd.), Corry, Pa. York
Vose Spring Co., 347 W B'way, New York

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Springs (Valve)
(See Springs, Coil or Spiral)

Springs (Window)
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
Barnes, Wallace Co., Bristol, Conn.
Dunbar Bros. Co., Bristol, Conn.
Eagan, Thos. F., Worcester, Mass.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
Morgan Spring Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
STANLEY WORKS ("Sweets" & "Jenks"), New Britain, Conn. (See adv. index & branch offices, end of book)

*Springs (Window Burglar Alarm)
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)

Springs (Wire)
American Spiral Spring & Mfg. Co., Pittsburg, Pa.
American Spring & Supply Co., 145-147 Johnson, Brooklyn, N. Y.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Barnes, Wallace Co., Bristol, Conn.
BRIDGEPORT CHAIN CO., Bridgeport, Conn. (See adv. index, end of book)
Cary Spring Works, 240 W 29th, New York
Chatillon, John & Sons (Cast Steel), 85 Cliff, New York
Cleveland Wire Spring Co., Cleveland, O.
Cook Spring Co., 420 E. 106th, New York
Crucible Steel Company of America, Pittsburg, Pa.
Detroit Wire Spring Co., Detroit, Mich.
Dunbar Bros. Co. (Clock, etc.), Bristol, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)
FORT PITT SPRING & MFG. CO., Farmers' Bank bldg, Pittsburg, Pa.; Works: McKees Rocks, Pa. (See adv. index & branch offices, end of book)
Gaynor & Mitchell Mfg. Co. (Spiral), Bridgeport, Conn.
Independent Steel & Wire Co. (All Kinds), Pittsburg, Pa.
Ludlow-Saylor Wire Co., St. Louis, Mo.
Miller & Van Winkle, 18 Bridge, Bklyn, N. Y.
Morgan Spring Co., Worcester, Mass.
New York Wire & Spring Co., Hoboken, N. J.
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburg, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Sabin Machine Co., Montpelier, Vt.
Tuck Mfg. Co., Brockton, Mass.
Washburn Wire Co. (Clock, etc.), Phillipsdale, R. I., & 26 Cortlandt, New York
Wire Goods Co., 20 Union, Worcester, Mass.

Sprinklers (Automatic Fire)
BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
CALDWELL, W. E. CO. (Complete Plants Erected), Brook & D, Louisville, Ky. (See adv. index, end of book)
Collins, J. G. (Installations), 175 E 110th, New York
Esty Sprinkler Co., N Mill, Laconia, N. H.
Fowkett & Bishop Co., New Haven, Conn.
Francis Bros., & Jellett (Inc.), 245 N Broad, Phila., Pa., & 47 E 18th, New York
General Fire Extinguisher Co. ("Grinnell"), Providence, R. I.
Independent Fire Sprinkler Co., 515 Diversey boul, Chicago, Ill.
International Sprinkler Co. (Wet & Dry Pipe Systems), 517 Arch, Phila., Pa.
Manufacturers' Automatic Sprinkler Co. ("Non-Corrosive"), 1 Liberty, New York
Niagara Fire Extinguisher Co., Akron, O.
Rockwood Sprinkler Co. ("Rockwood"), Worcester, Mass.
SIMMONS, JNO. CO., 100 Centre, New York. (See adv. index, end of book)
Swan & Sons, 163 Oliver, Boston, Mass.
Vogel, H. C. Co., 12 Walker, New York
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Sprinklers (Hose, Etc.)
Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Elkhart Brass Mfg. Co. ("Hoosier" & "Acme") Elkhart, Ind

Sprinklers (Lawn)
(See Lawn Sprinklers)

Sprinklers (Park)
Clow, Jas. B. & Sons ("Ryan" Arm Revolving Spray, etc.), 342 Franklin, Chicago, Ill.

Sprinklers (Potato)
Aspinwall Mfg. Co., Jackson, Mich.
Deming Co., Salem, O.
Hurst, H. L. Mfg. Co., Canton, O.
Nowviock, J. H. & Sons, Bloomsburg, Pa.
Peppler, Thomas (Two Row), Hightstown, N. J.
Potato Implement Co., Traverse City, Mich.
Shangle, John B., Hightstown, N. J.
Steitz, J. R., Cudahy, Wis.

Sprinkling Cars (Street Railway)
(See Cars, Sprinkling, Street Railway)

Sprocket Wheels
(See Wheels, Sprocket)

Sprockets (Roller & Block Chain)
Cullman Wheel Co., 1019 Dunning, Chicago, Ill.

Spuds (Electric)
Buckeye Mfg. Co., Canton, O.

Spun Cotton
(See Oakum)

Spurs & Points (Ladder)
Brewer Bros. (Wrought Steel), 614 Filbert, Phila., Pa.

Square & Gauge Combined
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York

Squares (Bevel)
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squares (Caliper)
Billings & Spencer Co., Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squares (Center)
Brown & Sharpe Mfg. Co., Providence, R. I.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hoggson & Pettis Mfg. Co. ("Carr's"), New Haven, Conn.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squares (Combination)
Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Crookston Tool Co. ("A. B. C." Protractor Square), Crookston, Minn.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co. (Carpenters, etc.), Greenfield, Mass.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squares (Iron & Steel)
Brown & Sharpe Mfg. Co., Providence, R. I.
Cassady-Fairbank Mfg. Co. (Steel Only), 6106 La Salle, Chicago, Ill.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Eagle Square Mfg. Co. (Carpenters), S. Shaftsbury, Vt.
Forsyth Mfg. Co. (Metal), Buffalo, N. Y.
Nicholls Mfg. Co. (Framing), Ottumwa, Iowa
Peck, Stow & Wilcox Co., Southington, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Sargent & Co., New Haven, Conn., & 94 Center, New York
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Southington Cutlery Co. (Carpenters'), Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn., & 107 Chambers, New York

Squares (Machinists')
Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hoggson & Pettes Mfg. Co. ("Carr's"), New Haven, Conn.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squares ("T")
Dietzgen, Eugene Co., 181 Monroe, Chicago, Ill.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Emmert Mfg. Co. ("Tec" Vertical), Waynesboro, Pa.
HAMMACHER, SCHLEMMER & CO., (Wooden), 133 4th av., New York. (See adv. index, end of book)
Keuffel & Esser Co., 127 Fulton, New York
Rich, J. & G. (Protractor), 122 N 6th, Phila., Pa.

SOLTMANN, E. G.
(& Perspective Curves for Drafting; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Welch, T. F. & Co. (Steel Blade), 65 Sudbury, Boston, Mass.
Wyke, J. & Co., East Boston, Mass.

Squares (Try & Mitre)
Athol Machine Co., Athol, Mass.
Atkins, E. C. & Co. (Inc.), Indianapolis, Ind.
Brown & Sharpe Mfg. Co., Providence, R. I.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co. (All Steel), Greenfield, Mass.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Mayhew, H. H. Co. (Try Square & Butt Gauge Combined), Shelbourne Falls, Mass.
Nicholls Mfg. Co. (Bevel-Try), Ottumwa, Ia.
Sawyer Tool Mfg. Co., Fitchburg, Mass.
Southington Cutlery Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Squeezers (Lemon)
Arcade Mfg. Co. ("Arcade" Stationary, "Champion" Stationary, "20th Century" Beef, Lemon, Onion & Fruit, "Last Drop," "Perfect," "Royal Limes," "Union," "Drum" Pattern & "X-Ray"), Freeport, Ill.
Erie Specialty Co. ("Walkers"), Erie, Pa.
Estes, E. B. & Sons, 74 Warren, New York
Fanning, J. P. ("Fanning"), 678 Jefferson av, Brooklyn, N. Y.
Gilchrist Co. ("Yankee," "Lindon," Aluminum, Porcelain & Wood), Newark, N. J.
Griswold Mfg. Co. ("Classic"), Erie, Pa.
Hart Mfg. Co. ("Easy"), Unionville, Conn.
Hardware & Woodenware Mfg. Co. ("Crescent," "Full Moon," "Diamond," "Rose," "Star," "Brighton," "American Queen," "Gem," "Union" & "Samson"), 693 B'way, New York
Hutchinson, Homer H. (Wood), Bristol, N. H.
Landers, Frary & Clark ("Little Giant," "Crown" & "L. F. C."), New Britain, Conn.
Metal Finishing Co. ("Eclipse"), Union City, Conn.
Mosteller Mfg. Co. ("Mosteller"), 5 W Madison, Chicago, Ill.
Parker, Chas. Co., Meriden, Conn.
Penn Hardware Co. ("Penn"), Reading, Pa.
Redlich Mfg. Co. (Aluminum, Wooden Bowl, etc.), 2 Oak, Chicago, Ill.

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Rocky Hill Hardware Co. ("Leader"), Rocky Hill, Conn.
Schoeffel, B. S. (Aluminum & Wooden Bowl), 212 Seminary av., Chicago, Ill.
Sommer's Jno. Son (Wooden, etc.), Newark, N. J.
Tucker & Dorsey Mfg. Co. (Wooden), Indianapolis, Ind.
Union Porcelain Works (Iron Frame, Porcelain Ball & Bowl), 300 Eckford, Brooklyn, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

Squeezers (Rotary)

Danville Foundry & Machine Co., Danville, Pa.
Garrison, A. Foundry Co., Pittsburg, Pa.
Lewis Foundry & Machine Co., Coraopolis, Pa.
Philadelphia Roll & Machine Co. (Puddle Ball), S 23d & Wash'n av, Phila., Pa.
Sterritt-Thomas Foundry Co., Pittsburg, Pa.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Squibs (Miners')

Luserne Cap Co. ("Sure Shot"), Wilkesbarre, Pa.
Miners' Supply Co. ("Daddow & Beadles"), St. Clair, Schuylkill Co., Pa.
Powell, Jno. R. ("Powell"), Plymouth, Pa.

Stable Fixtures

(Those who manufacture a full line, such as Stalls, Etc., are indicated by a §)

Abendroth Bros., 109 Beekman, New York
American Fence & Forge Co., Dayton, O.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill.
Barber Mfg. Co. (Cast Iron Feed Boxes, Cesspools, Hay Racks, etc.), Ashtabula, O.
Barnum, B. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
BOLLES, J. E. IRON & WIRE WORKS, Detroit, Mich. (See adv. index, end of book)
Broad Gauge Iron Stall Works, 58 Elm, Boston, Mass.
§Buch, A. Sons Co. (Make Full Line), Elizabethtown, Pa.
CANTON FOUNDRY & MACHINE CO. (Racks, Feed Boxes, Gutters, etc.), Canton, O. (See adv. index, end of book)
CENTRAL FOUNDRY CO. (Cast Iron Feed Boxes, Hay Racks, Drains, etc.), 37 Wall, New York. (See adv. index, end of book)
CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
§Cheney, S. & Son (Hay Racks, Mangers, etc.), Manlius, N. Y.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
COLUMBUS WIRE & IRON WORKS, Co., Columbus, O. (See adv. index, end of book)
Creswell, S. J. Iron Works, 23rd & Cherry, Phila., Pa.
ESTEY WIRE WORKS CO., 59 Fulton, N. Y. (See adv. index, end of book)
§Fiske, J. W. Iron Works, 56 Park Pl, New York
Glenn Mfg. Co. (Cesspools, Gutters, etc.), St. Charles, Ill
HANKE IRON & WIRE WKS., 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Hitzeroth, Edward, 3124 Market, Phila., Pa.
§Jones, M. D. & Co., 71 Portland, Boston, Mass.
§Jones, Willis H., Utica, N. Y.
LANDON, E. R. IRON & WIRE Works, 18 N May, Chicago, Ill. (See adv. index, end of book)
Lindstam, S. F. ("American" Sanitary Stalls), 2815 N Aldrich av, Minneapolis, Minn.
Logan, Martin, 1632 B'way, New York
Ludlow-Saylor Wire Co., St. Louis, Mo.
Lynn Stall Co. (All Kinds), Lynn, Mass.
Mack Iron Works Co., Sandusky, O.
§Mott, J. L. Iron Works, 118 5th av, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Northwestern Foundry, S Minneapolis, Minn.
§**SMITH, F. P. WIRE & IRON WORKS,** 100 Lake, Chicago, Ill. (See adv. index, end of book)
§Smyser, Royer Co., York, Pa., & Baltimore, Md.
Snead Architectural Iron Works, Louisville, Ky.
§**SNOW, W. A. IRON WORKS,** 19 Portland, Boston, Mass.
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
Stuart & Peterson Co. (Galvanized Feed Mangers), Burlington, N. J.
§Swett, A. L. Iron Works, Medina, N. Y.
TAYLOR & DEAN, Penn av. & 25th, (See adv. index & branch offices, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
§**VAN DORN IRON WORKS CO., 2685** N 79th, Cleveland, O. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Washington Iron Works, Buffalo, N. Y.
§Westervelt, A. B. & W. T., 102 Chambers, New York
White Bros. Mfg. Co., Denver, Col.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
Youngstown Wire & Iron Co., Youngstown, O.

Stable or Stall Floors

FLEMING & CO. (Adamantine Clinker Brick), 253 B'way, New York. (See adv. index, end of book)
LINDSTAM, S. F. ("American" Sanitary Stalls), 2815 N Aldrich av, Minneapolis, Minn.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Schouler, W. W. (Sanitary), 45 Clinton, Newark, N. J
SNOW, W. A. IRON WORKS ("Snow's" Sanitary Stall Floor), 19 Portland, Boston, Mass.

Stackers (Hay)

Acme Harvester Co., Peoria, Ill.
Anderson, Martin Co., Omaha, Neb.
Dain Mfg. Co. (Automatic), Ottumwa, Ia.
Eureka Mfg. Co., Chariton, Ia.
Famous Mfg. Co. (Swinging), E. Chicago, Ind.
Fleming & Sons Mfg. Co. (Swinging), Huntsville, Mo
International Harvester Co. of America, Chicago, Ill. Osborne Plant: Auburn, N. Y.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kansas City Hay Press Co., Kansas City, Mo.
McCall Mfg. Co., Moberly, Mo.
Pella Stacker Co., Pella, Iowa
Plattner Implement Co., Denver, Colo.
Superior Hay Stacker Mfg. Co., Linneus, Mo.

Stackers (Lumber)

Soule Steam Feed Works, Meridian, Miss.

Stackers (Straw)

Advance Thresher Co. (Pneumatic & Automatic), Battle Creek, Mich.
Aultman & Taylor Machinery Co. (Pneumatic), Mansfield, O.
Anderson Company ("Automatic & Overshot"), St. Paul, Minn.
Avery Co. (Automatic), Peoria, Ill.
Birdsell Mfg. Co., South Bend, Ind.
Buffalo Pitts Co. ("Russell" Pattern Wind), Buffalo, N. Y.
Case, J. I. Threshing Machine Co. ("Case," Wind & Independent Swing, etc.), Racine, Wis.
Foeston Mfg. Co. (Wind), St. Paul, Minn.
Frick Co. (Landis Eclipse Wind), Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co. (Wind), Waynesboro, Pa.
Harrison Machine Works (Automatic), Bellevile, Ill.
Heincke & Co. (Combination & Raddle Wind Stackers), Springfield, Ill.
Huber Mfg. Co. (Wind Stackers), Marion, O.
Mapleday Windstacker Co., Crookston, Minn.
Massillon Engine & Thresher Co. (Wind & Swinging), Minneapolis, Minn
Monarch Feeder & Stacker Co., Cedar Falls, Ia.
Newark Machine Co., Newark, O.
Nichols & Shepard Co. (Swinging & Wind), Battle Creek, Mich.
North Dakota Mfg. Co. (Wind Stackers), Grand Forks, N. Dak.
Northwest Thresher Co., Stillwater, Minn.
Pella Stacker Co., Pella, Ia.
Port Huron Engine & Thresher Co. (Pneumatic), Port Huron, Mich.
Reeves & Co. (Automatic & Pneumatic), Columbus, Ind.
Robinson & Co. (Automatic, Swinging), Richmond, Ind.
Rumley, M. Co. (Automatic & Pneumatic), Laporte, Ind.
Russell Wind Stacker Co. (Wind), Indianapolis, Ind.
Russell & Co. (Pneumatic, Swinging & Wind), Massillon, O.
Sattley Mfg. Co., Springfield, Ill.
Stevens, A. W. Co. (Wind Stackers), Marinette, Wis.
Smith & Sons Mfg. Co., Kansas City, Mo.
Westinghouse Co., Schenectady, N. Y.

Stacks (Steel)

(See Chimneys, Steel)

Stage Announcers

Electric Carriage Call Co., 173 Christopher, New York

Stages (Lineman's)

Dicke, O. H. Tool Co., Downers Grove, Ill.
Meckel, Fred. L., 77 E 13th, Chicago, Ill.
North Penn Iron Co., North Penn Junction Phila., Pa

Stained Glass Substitute

Diaphanium, The ("Windowphanie" Translucent Glass Decorations), 19 E 14th, New York
Parrish, S. H. & Co., 214 Clark, Chicago, Ill.
Quaile, Wm. B. ("Glacier Seccotine"), 2010 B'way, New York
Ross, W. A. & Bro. ("Glacier"), 11 S William, New York
Sedgwick, Wm., 260 Clark, Chicago, Ill.
Sefton Bros., 113 E Madison, Chicago, Ill.
Young, W. C., 912 Arch, Phila., Pa.

Stainoff for Cleaning & Polishing

Steward, D. M. Mfg. Co., Chattanooga, Tenn.

Stair Builders (Iron)

(See Iron Stair Builders)

Stair Builders' Supplies

(Stair Rails Balusters, Newel Posts, Etc.)

American Sash & Door Co. (Roach & Kiesale Factory) (Wholesale Mfrs.), Kansas City, Mo.
Bering Mfg. Co. (Pine & Cypress, Wholesale Mfrs.), Houston, Tex.
Bossert, Louis & Son, Grand st & Newtown creek, Brooklyn, N. Y.
Carter, S. C. & C. Co. (Wholesale Mfrs.), Keokuk, Iowa
Cream City Sash & Door Co. (Wholesale Mfrs.), 7th av & Park, Milwaukee, Wis.
Curtis Bros. Co. (Wholesale Mfrs.), Clinton, Iowa
Curtis & Bartlett Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Minneapolis, Minn.; Milwaukee and Wausau, Wis.
Cypress Tank & Mfg. Co. (Wholesale Mfrs.), Patterson, La.

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STAFF, BLUE TERRA METALLICS. QUARRIES, ETC.

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Dickey, A. & Co., 37 Bristol, Boston, Mass.
East Tacoma Mfg. Co. (Wholesale Mfrs.), Tacoma, Wash
Empire Lumber Co. (Wholesale Mfrs.), Winona, Minn.
Foster-Munger Co. (Wholesale Mfrs.), W 20th & S Sangamon, Chicago, Ill
Gauger, Jno. A. & Co. (Wholesale Mfrs.), 22d & Ladin, Chicago, Ill
Gould Mfg. Co. (Wholesale Mfrs.), Oshkosh Wis
Gray's Harbor Commercial Co. (Wholesale Mfrs.), Cosmopolis, Wash.
Hafner Mfg. Co. (Wholesale Mfrs.), Dock & Main, St. Louis, Mo.
Harris & Cole Bros. (Wholesale Mfrs.), Cedar Falls, Ia., & Columbia, Tenn
Huttig Mfg. Co. (Wholesale Mfrs.), Muscatine, Iowa
Hyde-Murphy Co., Ridgway, Pa.
Leuckel, A. E. & Co., Trenton, N. J.
Lord, P. A. Lumber Co., La Grange, Ill.
McMillen, E. & Co. (Wholesale Mfrs.), Oshkosh, Wis.
Missouri Stair Co. (Wholesale Mfrs.), 3900 Chouteau av, St. Louis, Mo.
Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis.
Osiecki, Thomas J., 600 Kent av, Brooklyn, N. Y.
Paine Lumber Co. (Wholesale Mfrs.), Oshkosh, Wis.
Palmer, Fuller & Co. (Wholesale Mfrs.), 2244 Lumber, Chicago, Ill.
Radford Sash & Door Co. (Wholesale Mfrs.), 192 W 22d, Chicago, Ill.
Roach & Musser Sash & Door Co. (Wholesale Mfrs.), Muscatine, Iowa
Roberts, E. L. & Co. (Wholesale Mfrs.), W 22d & Union Place, Chicago, Ill
Rockwell Mfg. Co. (Wholesale Mfrs.), Milwaukee, Wis.
Schaller-Hoerr Co., 500 Cal av, Chicago, Ill.
Spangler, Frank Co. (Newels, Balusters, Spindles, etc.), Toledo, O.
Starkweather, R. R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
STEARNS, A. T. LUMBER CO., Neponsett, & 166 Devonshire, Boston, Mass (See adv. index, end of book)

Stair Corners

Globe Mfg. Co. (Brass & Zinc), Painesville, Ohio
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Stair Nosing

Globe Mfg. Co. (Brass, Zinc & Rubber), Painesville, Ohio
TURNER & SEYMOUR MFG. CO. (Brass & Zinc), Torrington, Conn. (See adv. index, end of book)

Stair Treads (Brass)

AMERICAN MASON SAFETY TREAD CO., 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)
Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York
Manhattan Brass Co., 388 E 28th, New York
Universal Safety Tread Co. (Lead Filled), 1133 B'way, New York
Waterbury Brass Goods Corporation, Waterbury, Conn.

*Stair Treads ("Empire" Carborundum)

AMERICAN MASON SAFETY TREAD CO., 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)

Stair Treads (Cast Iron)

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cheney, S. & Son, Manlius, N. Y.
Pirkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
Swett, A. L. Iron Works, Medina, N. Y.

*Stair Treads (Hard Brass, Delta)

AMERICAN MASON SAFETY TREAD CO., (Lead or Carborundum), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)

*Stair Treads (Lead)

AMERICAN MASON SAFETY TREAD CO., 702 Old South bldg., Boston, Mass. (See adv. index & branch offices, end of book)
Protective Tread Co., 50 State, Boston, Mass.

Stair Treads (Reinforced Concrete)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Schachner, Edw. E., Colorado bldg, Denver, Col
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg., Detroit, Mich. (See adv. index & branch offices, end of book)

Stair Treads (Rubber)

(See Mats & Matting, Rubber)

*Stair Treads (Safety)

AMERICAN MASON SAFETY TREAD Co., 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)

Stair Treads (Soapstone)

Piedmont Soapstone Co., 55 Congress, Boston, Mass. Works: Asbestine, Va.

Stair Treads (Wrought Steel)

AMERICAN MASON SAFETY TREAD CO. (Lead or Carborundum), 702 Old South bldg, Boston, Mass. (See adv. index & branch offices, end of book)
Keystone Steel Co. ("Kesco" Diamond Ribbed & Checkered Pattern), Warren, Pa.
Protective Tread Co. (Filled with Rubber), 50 State, Boston, Mass.
Universal Safety Tread Co. (Lead Filled), 1133 B'way, New York

Stairs (Spiral)

Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Pirkl, John Iron Works (Inc.) (Iron), 240 N 10th, Brooklyn, N. Y.
PITT, WM. R. COMPOSITE IRON Works, 136-138 W. 24th, New York. (See adv. index, end of book)

Stairways (Moving)

(Also Known as Escalators)

Link Belt Co., Nicetown, Phila., Pa.
OTIS ELEVATOR CO. (Escalators), 17 Battery pl, New York. (See adv. index & branch offices, end of book)
Reno Inclined Elevator Co., 553 W 33d, New York
Traveling Stairway Co., 1123 B'way, New York

Stake Pockets for Cars

American Brake Shoe & Foundry Co., Mahwah, N. J.
Cambria Steel Co. (Forged Steel), Arcade bldg, Phila., Pa.
Davis Solid Truss Brake Beam Co. (Pressed Steel), Wilmington, Del.
Pressed Steel Car Co., Pittsburg, Pa.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

*Stake Tacks & Hatches

SOLTMANN, E. G. (for Engineers & Surveyors; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Stakes (Tinners)

NIAGARA MACHINE & TOOL Works, Buffalo, N. Y. (See adv. index, end of book)
Stortz, John & Son (Also Slaters'), 210 Vine, Phila., Pa.

*Stamped Parts for Cream Separators

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Stamping (Aluminum)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Stamping (Automobile)

Bowen Mfg. Co., Auburn, N. Y.
Crosby Co., 171 Pratt, Buffalo, N. Y.
Lindholm Metal Stamping Co., Camden, N. J.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Stamping (Brass)

Bowen Mfg. Co., Auburn, N. Y.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Crosby Co., 171-189 Pratt, Buffalo, N. Y.
Globe Machine & Stamping Co., 3868 Hamilton av, Cleveland, O.
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Waterbury Brass Goods Corporation, Waterbury, Conn.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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Stamping (Sheet Metal)

Acorn Brass Mfg. Co., 51 N Peoria, Chicago.
Adell Bros. Mfg. Co., Orange, Mass. Ill.
Advance Mfg. Co. (Hardware Specialties, etc.), Racine, Wis.
American Metal Stamping Co. (Specialties), 20 E. Herman, Gtn., Phila., Pa.
American Tube & Stamping Co. (Steel), Bridgeport, Conn.
Ashley Machine Works, Rochester, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Avery Stamping Co., Cleveland, O.
BAY STATE STAMPING CO. (And Sheet Metal to Order), 380 Chandler, Worcester, Mass. (See adv. index, end of book)
BETTCHER MFG. CO., Clark av at C C C & St L Ry S W, Cleveland, O. (See adv. index, end of book)
Blank Mfg. Co. (Specialties to Order), Quincy, Ill.
Bossert Electric Construction Co., Utica, N. Y.
Boston Pressed Metal Co., 171 Union, Worcester.
Bowen Mfg. Co., Auburn, N. Y. Mass.
Bridgeport Metal Goods Mfg. Co. Bridgeport,
Buckeye Stamping Co., Columbus, O. Conn.
Burdick & Son, Albany, N. Y.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Champion Safety Lock Co., Geneva, O.
CHANDLER CO. (Brass & Steel up to 1-10 inch), Springfield, Mass. (See adv. Index, end of book)
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Cincinnati Stamping Co., Cincinnati, O.
Cincinnati Tin & Japan Co., Cincinnati, O.
Clark, A. N. & Son (Nickel Finish, etc.), Plainville, Conn.
Clark Novelty Co., Rochester, N. Y.
Clark, W. J., Co., Salem, O.
Cleveland Stamping & Tool Co. (Also Enameled & Polished Hollow Ware), Hamilton nr Coe, Cleveland, O.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Crosby Co., 171-189 Pratt, Buffalo, N. Y.
Edmonds-Metzel Mfg. Co., 1090 Wilcox av, Chicago, Ill.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Erie Stamping & Mfg. Co., Erie, Pa.
Fedders Mfg. Works (Light Stamping), Buffalo.
Forsyth Mfg. Co., Buffalo, N. Y. N. Y.
Gem Mfg. Co. (Brass & Steel Stamping & Drawing), Pittsburg, Pa.
Globe Machine & Stamping Co. (Heavy for Automatic, Deep Drawing, etc.), 3868 Hamilton av, Cleveland, O.
Goodwin & Kintz Co. (Brass, Aluminum, Nickel, etc.), Winsted, Conn.
Grabler Mfg. Co. (Brass, Iron & Steel), Cleveland, O.
Grammes, L. F. & Sons, Allentown, Pa.
Grant Mfg. & Machine Co., Bridgeport, Conn.
Hall, Chas. E. Co., Buffalo, N. Y.
HELWIG MFG. CO. ("Helwig"), St. Paul, Minn. (See adv. index, end of book)
Houghton Mfg. Co. (Of Every Description), Worcester, Mass.
Ireland & Matthews Mfg. Co. (In German Silver, Copper, Brass & Steel, also Spun & Drawn), Detroit, Mich.
Iron City Stamping Co. (Gas Burners, etc.), Pittsburg, Pa.
KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)
Kinsey Mfg. Co., Dayton, Ohio.
Konigslow, E. Stamping & Tool Works, 323 Champlain av N. W. Cleveland O.
Konigslow, Otto Mfg. Co. (Special Manufacturing), Cleveland, O.
Lindholm Metal Stamping Co., Camden, N. J.
Lyon Metallic Mfg. Co., Aurora, Ill.
McDowell Mfg. Co. (Steel & Brass), Pittsburg, Pa.
Manhattan Screw & Stamping Works, West End av & 67th, New York
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Mossberg, Frank Co., Attleboro, Mass.
Mossberg Wrench Co., Central Falls, R. I.
Matthews Mfg. Co., Worcester, Mass. Wis.
NIAGARA FALLS METAL STAMPing Works (Aluminum, Brass, Copper, Steel, etc.), Niagara Falls, N. Y. (See adv. index, end of book)
Nortmann-Duffke Foundry Co. (Deep Stamping & Drawing), Milwaukee, Wis.
Novelty Mfg. Co., Waterbury, Conn.
Ohio Shovel & Stamping Co., Canal Dover Ohio.
Parish & Bingham Co., Cleveland, O.
Parker, John L. Co., Worcester, Mass.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Schatz Mfg. Co., Chappaqua, N. Y.
Schwab, R. J. & Sons Co., Milwaukee, Wis.
Sessions, J. H. & Son, Bristol, Conn.
Smith, M. J. (Pressing & Stamping), Bristol, Conn.
Sparks, Withington Co. (Point Bands, Shaft Tips, Special Shapes, etc.), Jackson, Mich.
Stearns W. H. Stamping Co. (Cold Metal), Worcester, Mass.
Stortz, John & Son (Also Forming), 210 Vine, Phila., Pa.
Sturges & Burn Mfg. Co., 249 Green, Chicago.
Turner Brass Works, Sycamore, Ill. Ill.
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Vogel, Wm. & Bros., 37 S. 9th, Brooklyn, N. Y.
W. & S. Mfg. Co., Worcester, Mass.
Wagner, E. R. Mfg. Co. North Milwaukee, Wis.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Stamping Works

(See also Enameled Hollow Ware; also Stamping, Sheet Metal)

Acme Shear Co., Bridgeport, Conn.
Adams & Westlake Co., Chicago, Ill.
American Metal Stamping Co., 20 E. Herman, Gtn., Phila., Pa.
Avery Stamping Co., Cleveland, O.
Bowen Mfg. Co., Auburn, N. Y.
Briscoe Mfg. Co. (Galvanized Work, etc.), Detroit, Mich.
Brunswick Mfg. Co. (Light Metal), Brunswick, Me.
Central Stamping Co., 174 Fulton, New York
Chicago Die & Electric Co., 64 Fulton, Chicago, Ill.
Cincinnati Stamping Co., Cincinnati, O.
Cincinnati Tin & Japan Co., Cincinnati, O.
Columbian Enameling & Stamping Co. (Enameled Wares), Terre Haute, Ind., & 31 Michigan av, Chicago, Ill
Crosby Co. (General Stamping & Drawing in Sheet Metals), 171-189 Pratt, Buffalo, N.Y.
Diamond Chain & Mfg. Co. (Steel), Indianapolis Ind.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Dunlap, John Co. (Tin, Sheet Iron, Japanned, Galvanized & Enameled Ware Mfrs.), Pittsburg, Pa.
Forsyth Mfg. Co. (Sheet Metal), Buffalo, N.Y.
Geuder & Paeschke & Frey Co., St. Paul av & 15th, Milwaukee, Wis.
Hunt & Dorman Mfg. Co., Cleveland, O.
Hydraulic Pressed Steel Co. (Steel), E 61st, Cleveland, O.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
KEIM, JNO. R. MILLS (Inc.) (Sheet Metal), Buffalo, N. Y. (See adv. Index, end of book)
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 37 B'way, New York
NIAGARA FALLS METAL STAMPing Works (Galvanized Work, etc.), Niagara Falls, N. Y. (See adv. Index, end of book)
North, O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co., New Britain, Conn.
Parish & Bingham Co. (Cold Pressed Steel), 5363 Hamilton, Cleveland, O.
Parker, Chas. Co., Meriden, Conn.
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Republic Metalware Co., Buffalo, N. Y.
Republic Stamping & Enameling Co., Canton, Ohio
Rochester Stamping Co. (Tin & Hollow Ware), Rochester, N. Y.
Sayre Stamping Co., Sayre, Pa.
Sessions, J. H. & Son, Bristol, Conn.
Standard Stamping Co., 2000 N B'way, St. Louis, Mo.
Troy Stamping Works, Troy, N. Y.
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Wheeling Stamping Co., Wheeling, W. Va.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Stamping & Drawing (Sheet Metal)

Bowen Mfg. Co., Auburn, N. Y.
Bridgeport Metal Goods Mfg. Co., Bridgeport, Conn.
Crosby Co. (Difficult Drawing in Heavy Steel), 171-189 Pratt, Buffalo, N. Y.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lindholm Metal Stamping Co., Camden, N. J.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Stamps (Atmospheric)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

*Stamps (Gravity)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Stamps (Numbering & Dating)

(See Numbering Machines; also Dating Machines)



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Stamps (Rubber)

Bennett, Hiram H. T., 58 Griswold, Detroit, Mich.
Crescent Seal & Stamp Co., Cambridge, Mass.
Hanson, C. H., 44 Clark, Chicago, Ill.
Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
Meyer & Wenther, 90 Dearborn, Chicago, Ill.
Ness, Geo. M., Jr., 61 Fulton, New York.
Peerless Stamp & Stencil Co., Muncie, Ind.
Smith, R. H. Mfg. Co., 293 Main, Springfield, Mass.
Stewart & Holiman, 201 B'way, New York
Tenney, J. F. Co., 152 Lake, Chicago, Ill.
Weber-Erickson-Bunting Co., 211 Diamond, Pittsburg, Pa.

Stamps, Shoes & Dies

(See Shoes & Dies, Stamp Mill)

*Stamps (Steam)

ALLIS-CHALMERS CO., Milwaukee Wis. (See adv. index & branch offices, end of book)

Stamps (Steel)

Butler, A. G., 284 Pearl, New York.
CHANDLER CO., Springfield, Mass. (See adv. index, end of book)
Cleveland Steel Stamp Works, Cleveland, O.
Cunningham, M. E. Co. (For Letters & Figures for Making Tools, etc.), Pittsburg, Pa.
Detroit Rubber Stamp Co., 99 Griswold, Detroit, Mich.
Gowanda Agricultural Works ("Cutler's"), Gowanda, N. Y.
Hanson, C. H. (Of All Kinds), 44 S Clark, Chicago, Ill.
Meyer & Wenthe, 90 Dearborn, Chicago, Ill.
Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
Ness, Geo. M., Jr., 61 Fulton, New York
NIAGARA FALLS METAL STAMPing Works (Letters & Figures), Niagara Falls, N. Y. (See adv. index, end of book)
Peerless Stamp & Stencil Co., Muncie, Ind.
Smith, R. H. Mfg. Co., Springfield, Mass.
Stewart & Holiman, 201 B'way, New York
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)

Stamps (Steel Log)

Matthews, Jas. H. & Co., 306 Wood, Pittsburg, Pa.
Northwestern Stamp Works, St. Paul, Minn.
Peerless Stamp & Stencil Co., Muncie, Ind.
Sackmann, F. A., Cleveland, O.

Stamps (Time)

Automatic Time Stamp Co. (Automatic), 160 Congress, Boston, Mass.
Baird Mfg. Co., 1596 N. Halsted, Chicago, Ill.
Emerson & Dalton ("Emerson"), Newark, N. J
Follett Time Recording Co., 675 Hudson, New York
Hanson, C. H., 44 Clark, Chicago, Ill.
Hoggson, S. H. & Co. ("Hoggson" Pocket), 100 Fulton, New York.
International Time Recording Co. ("Standard" Automatic), Binghamton, N. Y.
Manhattan Time Recording Co., 308 Hudson, New York
Perry Time Stamp Co., 11 S Jefferson, Chicago, Ill.
Smith, R. H. Mfg. Co. (Air Cushion), 293 Main, Springfield, Mass.
Peerless Stamp & Stencil Co., Muncie, Ind.
Stambaugh, Wm. B. (Automatic & Electric), Metropolitan Life bldg, New York

*Stamps & Dies (Sheet Metal)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Stamps & Dies (Steel)

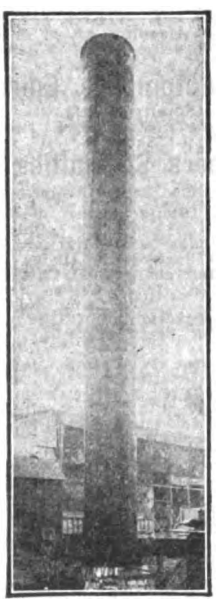
Adriance Machine W'ks, 254 Van Brunt, Brooklyn, N. Y.
Hilles & Jones Co., Wilmington, Del.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Konigslow, E. Stamping & Tool Works, 323 Chamnlain av, N. W., Cleveland, O.
Loyd, Jno. Co., 558 Water, New York
Perkins Machine Co., Warren, Mass.
Richard Mfg. Co. (Ltd.), Bloomsburg, Pa.
Schwerdtle Stamp Co., Bridgeport, Conn.
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
Wilson & Smith, Worcester, Mass.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Stanchions (Cattle)

Barnard & Alexander, Forestville, Conn.
Boyle, James & Son ("Taylor"), Salem, O.
Crumb, W. B., Forestville, Conn.
Hunt, Helm, Ferris & Co. ("Star" Swing), Harvard, Ill.
Louden Mchy. Co., Fairfield, Iowa.
Robertson, O. H., Forestville, Conn.
Rochester Steel Stanchion Co., Rochester, N. Y.
Seneca Mfg. Co., 2213 Seneca, Buffalo, N. Y.

Stand Pipes

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. index & branch offices, end of book)
Aurora Boiler Works (Inc.), Aurora, Ill.
Birmingham Boiler Works, Birmingham, Ala.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)



STAND PIPES TANKS STACKS

GENERAL PLATE CONSTRUCTION

ERECTED ANYWHERE

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THE CANTON BOILER AND ENGINEERING COMPANY

Canton, Ohio, U. S. A.

Casey-Hedges Co., Chattanooga, Tenn.
Chicago Bridge & Iron Co., W 105th & Throop, Chicago, Ill.
Coatesville Boiler Works, Coatesville, Pa.
Cole, R. D. Mfg. Co., Newnan, Ga
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Cunningham Iron Co., Boston, Mass.
FAIRBANKS' MORSE & CO. (Railroad "Sheffield"), Wabash & Eldredge pl. Chicago, Ill. (See adv. index & branch offices, end of book)
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Gem City Boiler Co., Dayton, O.
HANKE IRON & WIRE WKS. (With Ice-Proof Steps & Balconies), 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Hartley's Boiler Works, Montgomery, Ala.
Hodge Boiler Works, Sumner nr N. Ferry, East Boston, Mass.
Hood, R. H. Co., 299 B'Way, New York
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)
Kennicott Water Softening Co., Railway Exchange Bldg., Chicago, Ill.
Lake Erie Boiler Works, Buffalo, N. Y.
LANDON, E. R. IRON & WIRE Works (With Ice-Proof Steps & Balconies) 118 N May, Chicago, Ill. (See adv. index, end of book)
Love Bros., Inc., Aurora, Ill.
Lookout Boiler & Mfg. Co., Chattanooga, Tenn.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lyon Boiler & Iron Works, De Pere, Wis.
McNeil Boiler Co., Akron, O.
McNeil, James & Bro. Co., Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Meehan Boiler & Construction Co., Lowellville, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHELMANN STEEL CONSTRUCtion Co., Quincy, Ill. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Munroe, R. & Sons Corporation, 23d & Smallman, Pittsburg, Pa.
Muskegon Boiler Works, Muskegon, Mich.
Odlum-Taylor Boiler Co., Memphis, Tenn.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
Petty, J. K. & Co. (Lebanon Boiler Works), Lebanon, Pa.
Philadelphia Iron Works, 418 N 18th, Philadelphia, Pa.
Pollock, Wm. B. Co., Youngstown, O.
Portland Co., Portland, Me.
Riter-Conley Mfg. Co., 56 Water, Pittsburg, Pa.
Rodgers Boiler & Burner Co., Muskegon, Mich.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Sharon Boiler Works, Sharon, Pa.
SIMMONS, JOHN CO., 100 Centre, New York. (See adv. index, end of book)
Sotter Bros., Pottstown, Pa.
Star Boiler Works, Clinton, Ia.
Stebbins, W. L., Monadnock blk., Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
U. S. Wind. Engine & Pump Co., Batavia, Ill.
Walsh Boiler & Iron Works, Springfield, Mass.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Wickes Bros., Saginaw, Mich.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
York Mfg. Co., York, Pa.

Stand Pipes or Locomotive Water Cranes

(See Water Columns or Stations, Railroad)

Stand Pipes (Reinforced Concrete)

Concrete Construction Co., Bailey bldg, Phila., Pa.

Stands (Armature Winding)

American General Engineering Co., 253 B'way, New York
Columbia Machine Works & Malleable Iron Co. ("Columbia"), 269 Chestnut, Brooklyn, N.Y.
Device Improvement Co. ("Peerless"), Ridlon, Frank Co., Boston, Mass.
Smith & Wallace, Woburn, Mass.

Stands (Die Sinking)

Victor Tool Co. ("Victor Universal"), Waynesboro, Pa.

Stands (Indicator)

Chain Belt Co. (Malleable Iron), Milwaukee, Wis.

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Stands (Magnet Wire Reel)

Device Improvement Co. ("Peerless"), Hanover, Pa.

Stands (Mule Pulley)

Bond Foundry & Machine Co., Manheim, Pa.
Caldwell, H. W. & Son Co. (Adjustable), Western av & 17th, Chicago, Ill.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Case Mfg. Co., Columbus, O.
Falls Rivet & Machine Co., Cuyahoga Falls, O.
Grammes, L. F. & Sons, Allentown, Pa.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Poole Engineering & Machine Co., Baltimore, Md.

Stands (Umbrella)

Central Stamping Co. (Cylinder), 174 Fulton, New York
Cincinnati Iron Fence Co., Cincinnati, O.
WISCONSIN IRON & WIRE WORKS (Metal), 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Stannate Soda

Cochrane Chemical Co., Boston, Mass.

Staple Mfrs.

Acme Staple Co., 500 N 12th, Phila., Pa.
AMERICAN STEEL & WIRE CO., Commercial Nati. Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlas Tack Co., Fairhaven, Mass.
Brewer Bros. (Bar, Bolt, Bow, Latch, Mirror or Plate & Round), 614 Filbert, Phila., Pa.
Central City Bolt Co. (Nutted), Syracuse, N. Y.
Cobb & Drew (Bed Spring, Broom, Pail, Barbed, Blind, Basket Handle, Clamp, Steel, Spring & Clinch, Hoop, Tube, Electricians', Poultry Netting, etc.), Plymouth, Mass., & Rock Falls, Ill.
Colorado Fuel & Iron Co. (Wire), Denver, Col.
Eberhard Mfg. Co., Cleveland, O.
Grand Crossing Tack Co. (Wire), 8 Chicago av & 79th, Chicago, Ill.
Griswold Co. (Wire), Sterling, Ill.
Hazel Atlas Glass Co., Wheeling, W. Va.
Holland Mfg. Co., Baltimore, Md.
Humason & Beckley Mfg. Co., New Britain, Conn.
Igoe Bros. (Fence & Poultry Netting), 69 Metropolitan av, Brooklyn, N. Y., & Newark, N. J.
Indiana Steel & Wire Co. (Wire Fence), Muncie, Ind.
Kelly Nail & Iron Co. (Wire), Ironton, O.
Kokomo Steel & Wire Co. (Fence, etc.), Kokomo, Ind.
Lawrence Bros. (Hasp), Sterling, Ill.
Milwaukee Tack Co. (Wire), Milwaukee, Wis.
Morgan Spring Co., Worcester, Mass.
Norton Iron Works (Inc.), (Polished & Galvanized Wire), Ashland, Ky.
Oliver Iron & Steel Co. (Hame), Pittsburg, Pa.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Pickering, Ridgeway S. (Hoop Staples), Sharon Hill, Pa.
Pittsburg Steel Co. (Wire Fence, etc.), Pittsburg, Pa.
Plymouth Mills, Plymouth, Mass.
Pratt, Wm. E. Mfg. Co. (Barbed, Blind, Netting, Bed Spring), 91 Lake, Chicago, Ill.
Reading Hardware Co. (Wrought), Reading, Pa.
Reading Screw Co. (Wire, All Kinds), Norristown, Pa.
Rockwell Clough Co. (Wire), Alton, N. H.
Sargent & Co., New Haven, Conn., & 94 Centre, New York
Southern Steel Co. (Wire Fence, etc.), Birmingham, Ala.
St. Louis Wire & Iron Co., St. Louis, Mo.
Stanley, George W. Co. (Barbed, Blind & Hoops), Belleville, Ill.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Superior Tack & Nail Co. (Coppered Basket Handle Hoop, Galvanized Poultry Netting, etc.), Pen Yan, N. Y.
Titchener, E. H. & Co. (Blind, etc.), Binghamton, N. Y.
Tower Mfg. Co. (Wire Clamp Electricians, Broom, Hoop, Harness, etc.), Commerce & Elm, Cincinnati, O., & Madison, Ind.
Townsend, G. G. (Barrel & Keg Hoop), Winchendon, Mass.
Wickwire Bros. (Wire), Cortland, N. Y.
Wilcox Mfg. Co. (Whole or Half Bar), Aurora, Ill.
Williamsport Staple Co., Williamsport, Pa.
Wilcox, Crittenden & Co. (Wrought Iron), Middletown, Conn.
Wire Goods Co. (Wrought Steel, Steel Wire, Tinned & Galvanized), Worcester, Mass.
Wire Specialty Co., 43 Fulton, Chicago, Ill.
WRIGHT WIRE CO. (Wire of all Kinds), Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co. (Wire, Bright Fence, etc.), Youngstown, O.

Staples (Insulated)

Blake Signal & Mfg. Co. ("Blake"), Boston, Mass.
Commercial Electrical Supply Co., St. Louis, Mo.
Insulating Saddle Staple Co., Boston, Mass.

Staples (Paper)

Irvin, Alex. H. Co., Curwensville, Pa.

Stars (Iron)

Barnett, Oscar Foundry Co. (For Rumbling), Newark, N. J.
OHIO MALLEABLE IRON CO. (Hard Iron Stars for Tumbling Mills), Columbus, O. (See adv. index, end of book)
OSBORN MFG. CO. (Hard Iron for Rumbling), 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)

Starters (Automobile, Engine)

American Electric Novelty & Mfg. Co. ("Ever Ready"), 804 Hudson, New York

Stationers' Specialties

(See also Specific Article Required)

Adams Mfg. Co. (Blotter Baths), 4 S 20th, Phila., Pa.
Burr Index Co. (Index Cards), Hartford, Conn.
Chicago Business System Co. (Index Cards, Interchangeable), Chicago, Ill.
Clark & Baker Co. (Index Cards, Metallic), 258 Canal, New York
Cushman & Denison Mfg. Co. ("Capitol" Ink Stands & Other Specialties), 240 W 23d, New York
Detroit Coin Wrapper Co., Detroit, Mich.
Farnham, A. B. Printing & Stationery Co. (Desk Ticklers & Other Specialties), Minneapolis, Minn.
Hoskins ("Victor" Inkstands), 354 B'way, New York
Kimpton, Edw., 60 John, New York
King, W. V. Supply Co. (Stenographic Tabulators), St. Louis, Mo.
Modern Mfg. Co. (Book Corner Protectors), P. O. Box 2854, Phila., Pa.
National Blank Book Co., Holyoke, Mass.
National Finger Pad Co. (Moisteners), Manchester, N. H.
Sengbusch Self-Closing Inkstand Co., Milwaukee, Wis.
Western Clock Co. ("Rajah" Paper Weight Clock), Peru, Ill.

Statuary & Monuments (White Bronze)

Monumental Bronze Co., Bridgeport, Conn.

Staybolt Iron

(See Iron, Staybolt)

Staybolts

Davenport, J. H. ("Davenport" Flexible), Lincoln, Neb.
Flannery Bolt Co. ("Tate" Flexible), Frick bldg, Pittsburg, Pa.
Hall's, Sam'l Sons, 229 W 10th, New York
Hoopes & Townsend Co. (Hollow & Solid Steel), 1330 Buttonwood, Phila., Pa.
Independent Rolling Mill Co. (Solid & Hollow), Cuyahoga Falls, O.
Thompson, Chas. A. ("Acme" Flexible), 516 N 3d, St. Louis, Mo.

Stays (Fence)

B. B. Fence Co. ("B. B."), Peru, Ind.
Crescent Metallic Fence Stay Co., Covington, O.
Cyclone Woven Wire Fence Co., Cleveland, O.
Globe Fence Co., Delevan, N. Y.
Hollinger Fence Co. (Wire Steel), Greenville, O.
Simmons & Sons, Spokane, Wash.

Stays (Stair Rail)

Brewer Bros. (Wrought, Screw, Drive or on Plate), 614 Filbert, Phila., Pa.

Stays (Transom)

Yale & Towne Mfg. Co., 9 Murray, New York

Steam Boilers

(See Boilers, Various Kinds)

Steam Engines

(See Engines, Various Kinds)

Steam Feeds

ALLIS-CHALMERS CO. (Twin Engine & Direct Acting), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Hill, W. E. & Co., Kalamazoo, Mich.
Manistee Iron Works Co. (Twin Engine, for Saw Mill Carriage), Manistee, Mich.

Steam Fitters

(See Heating Contractors, Steam & Hot Water)

Steam Fitters (High Pressure)

(See Piping, High Pressure)

Steam Fitters' Supplies (Jobbers)

(The Firms in Plumbers' Supplies, Jobbers, is a Duplication of this Trade)

(For Manufacturers of Steam Specialties see Specific Article Required)

ALABAMA.

ANNISTON—Anniston Supply Co.
BIRMINGHAM—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Moore & Handley Hdw. Co.
MOBILE—Cunningham Hardware Co.
Southern Hardware & Supply Co.
MONTGOMERY—Lum Machinery Co.

ARIZONA TERRITORY.

PHOENIX—Thayer, Ezra W.

ARKANSAS.

CAMDEN—Camden Hardware & Mill Supply Co.
FORT SMITH—Atkinson-Williams Hardware Co.
Ayers & Co.
Speer Hardware Co.
LITTLE ROCK—Crane Co. (Of Chicago, Ill.). Est. 1855. (See adv. index, end of book)
Wehrfritz, E. C. Machinery & Supply Co.

CALIFORNIA.

FRESNO—Kutner-Goldstein Co.
LOS ANGELES—Busch, A. H. Co., 150 N Los Angeles
Crane Co. (of Chicago), Est. 1855. See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago), 136 Los Angeles. (See adv. index, end of book)
Harper & Reynolds Co., 152 N Main
Herron, R. H. Co., 214 N Los Angeles
Holbrook, Merrill & Stetson (of San Francisco), 214 N Los Angeles
Montague, W. W. & Co. (Inc.), (of San Francisco), 122 N Los Angeles
Pacific Coast Mfg. Co., 126 S Los Angeles
Pacific Hardware & Steel Co.
Union Hardware & Metal Co., 411 E 1st
Warren & Bailey Mfg. Co., 359 N Main
OAKLAND—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
PASADENA—Pasadena Hardware Co.
SAN FRANCISCO—Baker & Hamilton (Inc.), 3d & Berry
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Dalziel-Moller Co., 543 Mission
Dunham, Carrigan & Hayden Co., 121 Minna
FAIRBANKS, MORSE & CO. (of Chicago), 158 1st. (See adv. index, end of book)
Holbrook, Merrill & Stetson, 6th & Townsend

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Garrett, W. T. & Co., Fremont & Natoma
Marwedel, C. W., 258 9th
Montague, W. W. & Co., Turk & Polk
Moore, Chas. C. & Co., 99 1st
O'Brien, Michael, 142 1st
Pacific Hardware & Steel Co., s w c 7th & Townsend
Tay, Geo. H. Co., 617 Mission
Wagner, Jos. Mfg. Co., 165 Beale
Woodin & Little, 70 Fremont
SAN JOSE—Stock, Jno. Sons
STOCKTON—Austin Bros.

COLORADO.

CRIPPLE CREEK—Cripple Creek Mine & Supply Co.
DENVER—**FAIRBANKS, MORSE & CO.** (of Chicago), 1600 17th. (See adv. index, end of book)
Hendrie & Bolthoff Mfg. & Supply Co.
Mine & Smelter Supply Co., 17th & Blake
O'Fallan, M. J. Supply Co., 1518 Wynkoop

CONNECTICUT.

BRIDGEPORT—Mills, L. H., 83 Middle
DANBURY—Danbury Hardware Co.
Hoyt, H. W. Co.
DERBY—Hallock, F. C. Co.
HARTFORD—Bidwell, J. C. & Co.
Hartford Mill Supply Co., 168 Pearl
Plimpton & Hills Corporation
MERIDEN—Cashen, Wm. B.
MIDDLETOWN—Donovan, Jas.
Hale & Kelsey
Mills, Lyman D.
NAUGATUCK—Page, Jno. M. & Co.
NEW HAVEN—Foskett & Bishop Co., River c Blatchley av
Mersick, C. S. & Co., 292 State
Peck Bros. & Co., 125 Chestnut
Sheahan & Groark, 285 State
NEW LONDON—Darrow & Comstock Co.
NORWALK—Jones & Hotchkiss Co.
NORWICH—Barstow, J. P. & Co.
Brown, Robt.
PUTNAM—Putnam Foundry & Machine Corp.
TORRINGTON—Agard Hardware Co.
Perkins, E. A. Electric Co.
WATERBURY—Barlow Bros Co.

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Industrial Supply Co.
SHAW, BENJ. F. CO. (See adv. index, end of book)
Speakman Supply & Pipe Co.

DISTRICT OF COLUMBIA.

WASHINGTON—McCubbin, C. J. Co., 423 10th N. W.
Mitchell, John Jr., 1000 Penn av, N. W.
Schafer, E. G. & Co., 424 11th, N. W.
Somerville, Thos. & Sons, 322 13th, N. W.

FLORIDA.

JACKSONVILLE—Christopher, Jno. G. Co.
Florida Hardware Co. (Inc.)
Hubbard, S. B. Co. (Inc.)
KEY WEST—Curry's, Wm. Sons
OCALA—Masters, H. B. Co.
ORLANDO—South Florida Foundry & Machine
PENSACOLA—Wicke & Co. Works

GEORGIA.

AMERICUS—Sheffield-Huntington Co.
ATLANTA—Beck & Gregg Hardware Co.
Cotton States Belting & Supply Co.
Crane Co. (Of Chicago, Ill.) Est. 1855. (See adv. index, end of book)
General Supply Co.
AUGUSTA—Lombard Iron Works & Supply Co.
MACON—Schofield's, J. S. Sons Co.
ROME—Battey Machinery Co.
SAVANNAH—Rourke, Jno. & Sons.
Weed, J. D. & Co.
WAYCROSS—Harley, P. N. Hardware Co.

IDAHO.

BOISE—Carlson-Lusk Hardware Co.

ILLINOIS.

BATAVIA—U. S. Wind Engine & Pump Co.
BLOOMINGTON—Keiser-Van Leer Co.
CAIRO—Woodward Hardware Co.
CHICAGO—Advance Packing & Supply Co., 123 Franklin
Baker & Smith Co., 83 5th av
Cameron, Schroth, Cameron Co., 189 Mich
CARPENTER, GEO. B. & CO., 202 S Water. (See adv. index, end of book)
Cawthorne & Mahler Co., 75 Fulton
Channon, H. Co., 24 Market
Chicago Engineer Supply Co., 112 Lake
Chicago Heater & Supply Co. (Heaters, Radiators & Supplies), 56 Dearborn
Clow, Jas. B. & Sons, Franklin & Harrison
Crane Co. (Est. 1855), 519 S Canal. (See adv. index, end of book)
Crawford Co., 409 S. Canal
Crerar, Adams & Co., 11 5th av
Davies Supply Co., 22 N Clark
Deschauer, Stephen, 334 Blue Island av
FAIRBANKS, MORSE & CO., Franklin & Monroe. (See adv. index, end of book)
Federal-Huber Co., Halsted & Fulton
GORTON & LIDGERWOOD CO. (Boilers, Radiators, Valves, etc.), Fisher bldg. (See adv. index, end of book)
Gould Co., Ohio & Franklin
Hardin, Jno., 4543 Cottage Grove av
Henion & Hubbell, 65 N Jefferson
Hennebohle, F., 9408 S Chicago & Erie ave
Holland Radiator Co., 38 Dearborn
Illinois Malleable Iron Co., 539 Diversey
International Heater Co. (of Utica, N. Y.), 48 Dearborn
Kellogg-Mackay Co., 19 W 18th
Kelly & Jones Co. (of Pittsburg, Pa.), 59 Clark
Klemp, Wm. F. & Co., 138 Washington
Kroeschell Bros. Co., 55 Erie
Limbert, Geo. B. & Co., 49 Fulton
Lyon, Sam & Son, 20 Jefferson
McCrea, Jas. & Co., 67 W Wash'n
McMaster-Carr Supply Co., 174 Lake
Manning, Maxwell & Moore, 22 S Canal
Mott, J. L. Iron Works, Merchants Loan & Trust bldg
Reed Mfg. Co., 16 S Canal
Scott Valve Co., 231 Randolph
Seehausen, Wehrs & Co. (Also Engineers' Supplies), 45 Franklin
Sorge, A., J., & Co., 98 Jackson boul
Steamfitters Supply Co., 205 E Kinzie
Street, R. R. & Co., 184 Wash'n
United States Heater Co. (of Detroit), 42 Dearborn
Walsh, W. J. & Co., 114 Illinois
Weir & Craig Mfg. Co., 2439 Wallace
Western Kieley Steam Specialty Co., 112 Lake
Western Valve Co., 179 W Lake
Williamson, R. & Co., 88 W Washington
DECATUR—Oakes, Wm. L.
Oakes, Wm. L.
ELGIN—Barclay, D. F.
GALVA—Mulford Heater Co.
JOLIET—Barrett Hardware Co.
MOLINE—Moline Heating & Construction Co.
PEORIA—Kinsey & Mahler Co.
PERU—Brunner, Chas.
QUINCY—Best, E., Plumbing & Steam Heating
ROCKFORD—America Heating Co. Co.
Ward Pump Co.
SANDWICH—Enterprise Windmill Co.
SOMONAUK—California Windmill Co.

INDIANA.

AUBURN—Zimmerman Mfg. Co.
BLUFFTON—Red Cross Mfg. Co.
BRAZIL—Crawford & McCrimmon Co.
BUTLER—Butler Co.
EVANSVILLE—Evansville Leather Belting Grote Mfg. Co. Co.
INDIANAPOLIS—**FAIRBANKS, MORSE** & Co. (of Chicago) (See adv. index, end of book)
Hide, Leather & Belting Co., 227 S. Meridian
Indianapolis Belting & Supply Co. (J. W. Faust, Prop.), 18 S Capitol av
GARY—Calumet Supply Co.
Knight & Jillson Co.
LOGANSPORT—Hildebrandt, John J. Co.
MICHIGAN CITY—Staiger Hardware Co.
MUNCIE—Keiser, Geo. & Co.
Muncie Gas Engine & Supply Co.
NOBLESVILLE—Clark Supply House
RICHMOND—Jones Hardware Co. (Jobbers)
SOUTH BEND—South Bend Supply Co.
TERRE HAUTE—Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
Freitag, Weinhardt & Co.
Watson's, D. W. Sons Co.
UNION CITY—Knapp Supply Co.

IOWA.

CEDAR RAPIDS—Chandler Pump Co.
Fawcett, C. E.
Iowa Windmill & Pump Co.
Kubias, F. & Co.
DAVENPORT—Midland Supply Co.
DES MOINES—Beckman Bros.
Crane Co. (Of Chicago, Ill.) Est 1855. (See adv. index, end of book)
Globe Machinery & Supply Co.
Kurtz, L. H. Co.
DUBUQUE—Deckert, W. D. Co.
McDonald, A. Y. & Morrison Mfg. Co.
Smedley Steam Pump Co.
FORT DODGE—Leighton Supply Co.
KEOKUK—Sutton, Wm. P.
MUSCATINE—Barry Mfg. Co.
OSKALOOSA—Ideal Heating Co.
Iowa Mfg. Co.
SIOUX CITY—Crane Co. (of Chicago). East 1855. (See adv. index, end of book)

KANSAS.

ATCHISON—Searles Bros. Windmill & Pump
LEAVENWORTH—Great Western Mfg. Co.
TOPEKA—Bromich, Jos.
Crane Co. (Of Chicago, Ill.) Est. 1855. (See adv. index, end of book)

KENTUCKY.

ASHLAND—Ashland Foundry & Machine Works
Henderson Hdw. Co.
LOUISVILLE—Ahrens & Ott Mfg. Co., 325 W Main
Cowan, Andrew & Co., 435 W Main
FAIRBANKS, MORSE & CO. (of Chicago), 519 Main. (See adv. index, end of book)
Laib Co., 439 W Main
McWilliams, Jos. & Co., 719 W Market
Pyne, W. T., Mill & Supply Co., 1301 W Main
Vogel, P. A. & Sons, 135 E Main
Waters-Garland Co., 433 W Main

LOUISIANA.

NEW ORLEANS—Ahrens & Ott Mfg. Co. (of Louisville, Ky.), Baronne c St. Joseph
Burt, C. S. Co. (Ltd.), 826 Union
Gibbens & Stream, 218 Canal
Haubtman & Loeb Co. (Ltd.), 222 S Peters
Louisiana Boiler & Sheet Iron Works (Ltd.), 2344 Euphrosine
Manion & Co., 622 Baronne
Murphy, John H., 648 Magazine
Payne & Joubert, 423 Carondelet
Schwartz Foundry Co. (Ltd.), 451 Howard av.
Stauffer-Eshleman & Co., 511 Canal
SHREVEPORT—Henderson, W. K.
Vordenbaumen-Eastman Co. (Ltd.)

MAINE.

BANGOR—Babb, C. H. & Co.
Leighton Plumbing & Heating Co.
Union Iron Works
BIDDEFORD—Anthoine, Geo. A.
DEXTER—Fay & Scott (Inc.)
FAIRFIELD—Donnelly, D. B.
LEWISTON—Hall & Knight Hardware Co.
Pratt, T. Lloyd
Stetson, Jos. H. Co.
PORTLAND—Blake, W. L. & Co. (Inc.), 79 Commercial
Plummer, C. M. & H. T., 48 Union
Portland Stove Foundry Co., 89 Kennebec
Smith & Abbott Co.
ROCKLAND—Lamson Hardware Co.

MARYLAND.

BALTIMORE—Aumen Machinery & Supply Co. 324 N Holliday
Basshor, Thos. C. Co., 28 Light
Carey Machinery & Supply Co. (Inc.), 121 E Lombard
Central Metal & Supply Co., 611 E Lombard
Crane Co. of Chicago). Est. 1855. (See adv. index, end of book)
Crook-Horner Co., 19 E Pratt
Cuyler & Mohler, 611 William
Enterprise Steam & Hot Water Heating Co., 107 E. Lombard
Robertson, Jas. Mfg. Co., 14 S Hanover
Spedden Supply Co., 913 S B'way
Standard Supply & Equipment Co., 306 Holliday
Stebbins, Wallace & Sons, Charles and Lombard
Wallace & Gale, 115 S Gay
Wood, W. E. Co., 18 N Howard
CUMBERLAND—McKaig, Merwin

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MASSACHUSETTS.

ADAMS—Weston, Leroy A.
BOSTON—Anderson, G. P. (Kieley & Mueller's Specialties), 163 Oliver
Boston Engineers' Supply Co., 56 Purchase
Boston Steam Specialty Co., 168 Congress
Bramah, Dow & Co., 239 Causeway
Brown-Wales Co., 69 Purchase
Chesterton, Arthur W. & Co., 84 India
Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
Cunningham Iron Co., Sumner, B & Fargo
Cunningham, J. H. Co., 269 Congress
Dalton-Ingersoll Mfg. Co., 109 High
Gallison, Wm. H. Co., 36 Oliver
Gilchrist, Geo. E. Co., 106 High
Gurney Heater Mfg. Co. (Heating Apparatus, etc., Supplies), 188 Franklin
Hercules Iron & Supply Co., 427 Commercial
Hubbard, W. B. & Sons Co., 176 Oliver
Jarvis Engineering Co., 61 Oliver
Morse, Tenny & Co., 143 Pearl
Morton, Andrew M. & Co., 25 Wash'n
Mott, J. L., Iron Works, 41 Pearl
New England Iron Works Co. (Jobbers), Summer, B & Fargo
Perrin, Seamans & Co., 57 Oliver
Perry, J. P. & Co., 195 Devonshire
Pierce, Butler & Pierce Mfg. Co. (of Syracuse, N. Y.), 50 Oliver
Roberts, Jas. H. & Co., 137 Portland
Smith & Anthony Co., 48 Union
Smith & Thayer Co. (Heating Apparatus & Supplies), 236 Congress
Walker & Pratt Mfg. Co., 33 Union
Walworth Construction & Supply Co., 100
Walworth Mfg. Co., 132 Federal Pearl
Webb, F. W. Mfg. Co., 52 Elm
CHELSEA—International Heater Co. (of Utica, N. Y.)
FALL RIVER—Fall River Steam & Gas Pipe Corporation
Miller, Nathan
GARDINER—Royal Steam Heater Co.
HAVERHILL—Mills & McClintock
HOLYOKE—Holyoke Valve & Hydrant Co.
Russell, J. & Co.
LOWELL—Barker, H. B. Mfg. Co.
Farrell & Conston
Middlesex Machine Co.
LYNN—Bourneuf, Louis Corporation
Trefethern, Frank L.
MIDDLEBORO—Pierce, Thos. W.
MILFORD—Ellis, Clark & Sons
NEW BEDFORD—New Bedford Boiler & Machine Co.
NORTH ATTLEBORO—Hall, Wm. M.
ORANGE—Chase Turbine Mfg. Co.
PITTSFIELD—Robbins, Gamwell & Co.
SPRINGFIELD—Gilbert & Barker Mfg. Co.
Hitchcock Supply Co. (Inc.)
New England Plumbing Supply Co.
Oliver & Howland C.o
WYCKOFF & LLOYD CO., 19 Worthington. (See adv. index, end of book)
TAUNTON—Dighton Foundry Co.
WESTFIELD—Smith, H. B. Co.
WORCESTER—Braman, Dow & Co. (of Boston, Mass.
Burlingame, A. Co.
Callahan, J. W. & Son
Central Supply Co.
Washburn & Garfield Mfg. Co.

MICHIGAN.

BAY CITY—Bialy Hardware & Supply Co.
Jennison Hardware Co.
Styninger, Jno. A.
CALUMET—Carlton Hardware Co.
DETROIT—Anderson, Kenneth Mfg. Co., 35 E. Atwater
Conkling, Sam'l P., 20 E Atwater
Detroit Heating & Lighting Co., 49 Division
Detroit Lead Pipe & Sheet Lead Works
Detroit Ship Building Co. (Brass Dept.), ft of Orleans
FAIRBANKS, MORSE & CO. (of Chicago), 89 Jefferson. (See adv. index, end of book)
Harvey's, A. Son's Mfg. Co. (Ltd.), 22 1st
Lane Bros., 232 Michigan av
McRae & Roberts Co., 227 Campbell av
Muzzy-Lyon Co., 149 W. Larned
Park & McKay Co., 55 Bagley av
Roe, J. A. Co., 12 E Atwater
Sales, Murray W. Co., 76 Jefferson av
Strelinger, Chas. A. Co., 96 Bates
VOELKNER & HARRY MANUfacturing Co., 125 Woodbridge W. (See adv. index, end of book)
Walker Mfg. & Supply Co., 136 W Larned
GRAND RAPIDS—Ferguson Supply Co. (Ltd.)
Grand Rapids Supply Co.
Leitelt, Adolph Iron Works
Sproul & McGurrin
Barcley, Ayers & Bertsch Co.
IONIA—Webber Hardware Co.
JACKSON—Holton & Weatherwax Co. (Ltd.)
KALAMAZOO—Dutton, C. H. Co.
Smith & Pomeroy Windmill Co.
LANSING—Michigan Supply Co.
MENOMINEE—Emerson-Corbin Supply Co.
MUSKEGON—Howden, J. J. Co.
Towner Hardware Co.
SAGINAW—Eureka Heating & Ventilating Co. (C. W. Light, Prop.)
Morley Bros. (Inc.).
Saginaw Hardware Co.
Wickes Bros.
SAULT SAINTE MARIE—Soo Hardware Co.
WESTON—Vail & Smith Co.

MINNESOTA.

DULUTH—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Marshall-Wells Hardware Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Bruchholz, August F., 217 Central Supply Co., 312 S 3d 3d S
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Dean & Co., 404 N Wash'n av
Engineering & Steam Supplies Co., 227 S 3d
FAIRBANKS, MORSE & CO. (of Chicago), 220 Nicollet av. (See adv. index, end of book)
Gillmore, D. M. Co., 515 S 3d
Kellogg-Mackay Co., 100 2d, S
Minneapolis Tubular Well Co., 311 N 3d av
Plumbing & Steamfitting Supplies Co., 212 N 1st
ST. PAUL—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Crane & Ordway Co., 5th & Rosabel
FAIRBANKS, MORSE & CO. (of Chicago), 234 E 3d. (See adv. index, end of book)
Robinson & Cary Co., 4th cor Wacouta
Western Supply Co., 5th & Sibley
STILLWATER—Bronson, J. N.
WINONA—Green, Thos. J.
Toye, Michael

MISSISSIPPI.

CORINTH—Adams, W. T. Machine Co.
MERIDIAN—Hyde, Chas. J.
NATCHEZ—Feltus Bros.
YAZOO CITY—Crane-Hinman Hardware Co.

MISSOURI.

JOPLIN—Halyard Hardware Co.
Joplin Hardware Co.
McNeal Machinery Co.
KANSAS CITY—Burton, C. A. Machinery Co., 701 Delaware
Crane & Co. (of Chicago). Est. 1855. (See adv. index, end of book)
English Iron Works Co., 408 W 5th
FAIRBANKS, MORSE & CO. (of Chicago), 1217 Union av. (See adv. index, end of book)
Great Western Mfg. Co. (of Leavenworth, Kans.), 1221 Union av
Reeves Supply Co., 1304 McGee
U. S. Water & Steam Supply Co., 1315 W 12th
Young, W. R. Supply Co., 212 Delaware
ST. JOSEPH—Horigan Supply Co.
ST. LOUIS—**AMERICAN RADIATOR CO.** (of Chicago), 207 N 10th. (See adv. index, end of book)
Cahill-Swift Mfg. Co., 20 S 12th
Colcord, W. R. Machinery Co., 821 N 2d
Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago), 8th c Clark av. (See adv. index, end of book)
Handlan-Buck Mfg. Co., 210 N 3d
Johnson, Wm. C. & Sons Machinery Co., 210 Wash av
Knpferle Bros. Mfg. Co., 600 N 2d
Materne Mfg. Co., 18th & Gratiot
Brockman, J. R. Mfg. Co., 214 Lucas av
National Plumbing Supply Co., 110 S 12th
Nelson, N. O. Mfg. Co., 10th & Chestnut
Rumsey, L. M. Mfg. Co., 810 N. 2nd
Spring, Harry C. Supply Co., 715 N 2d
Streett, J. D. & Co., 809 N 2d
WEBB CITY—Franz Hardware Co.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Montana Hardware Co.
GREAT FALLS—Lowery Engineering Co.
HELENA—Holter, A. M. Hardware Co.
MISSOULA—Missoula Mercantile Co.

NEBRASKA.

GRAND ISLAND—Upperman & Leiser.
LINCOLN—Cooper & Cole Bros.
OMAHA—Crane Co. (of Chicago). Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago), 1102 Farnum. (See adv. index, end of book)
Lehmer, Jos. R., 1212 Farnam
U. S. Supply Co., 1108 Harney

NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.
MANCHESTER—Pike & Heald Co.

NEW JERSEY.

CAMDEN—Fullmer, A. J.
ELIZABETH—Elizabeth Hardware Co.
JERSEY CITY—Gibbons, Ernest A. Co., 2 Jersey City Supply Co., 12 Mercer Mercer
Perkins, Arthur L., 283 Warren
KEYPORT—Force & Wyckoff
NEWARK—Banister & Pollard, 206 Market
Chambers & Co., 2 Commercial
Crane Co. (Of Chicago, Ill.) Est 1855. (See adv. index, end of book)
Crane & Milligan, 54 Mechanic
Denny Bros., 15 Mechanic
Egbert, W. V. & Co., 35 Mechanic
Gray, R., Jr., 190 Market
Macknet & Doremus, 796 Broad
Roe & Conover, 200 Market
NEW BRUNSWICK—Weigel, Philip, Jr.
ORANGE—Lindsley, John N.
PATERSON—McNab & Harlin Mfg. Co. (of New York)
Myers, G. A. & Co.
Van Winkle, J. A. Co.
TRENTON—Katzenbach, F. S. & Co.
Warren, Balderston & Co.
WEEHAWKEN—Berger, Edw. W. & Bro.

NEW MEXICO.

ALBUQUERQUE—Whitney Co.

NEW YORK.

ALBANY—Albany Hardware & Iron Co., 6 State
Bates, Edw. P. (of Syracuse), 310 B'way
Hoy & Co., Albany, N. Y.
Wing, Robt. B. & Son, 385 B'way
ALBION—Waterman, G. M.
BINGHAMTON—Gaylord & Eltapence Co.
Shapley & Wells
BUFFALO—Buffalo Machinery Co., 24 Barrel
Case, W. A. & Son Mfg. Co., 31 Main
Dixon & Ballou, Ellicott sq
Hamill D. L. Co., 60 Delaware av
Plumbers' & Steamfitters' Supply Co., 30
Ruckel, J. H. & Son, 81 Main Main
Schaefer & Co., 226 Ellicot
CANANDAIGUA—Cooley, A. E. Co.
COHOES—Kavanaugh, Geo. W.
Sweet & Doyle
GENEVA—Herendeen Mfg. Co.
New York Central Iron Works Co.
Vance Boiler Works
GREENPORT—Hedges, Samuel P.
HORNELL—McGuire, Chas. F.
KINGSTON—Canfield Supply Co.
LOCKPORT—American District Steam Co.
Trevor Mfg. Co.
NEWBURGH—Smith, Albert C. & Co.
Smith, W. L.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Delaney, Thos. M., 576 Atlantic
Jacobs, Geo. P. & Co., 276 S 9th
Knight, Thos. G. Co., 52 Myrtle av
McElraevy & Hauck Co., 440 Broadway
Munkenbeck Bros., 88 Hamilton av
Phillips, Doup & Co., 56 Pearl
Ronalds & Johnson Co. (of New York), 6
Scollay, John A., 74 Myrtle av Boerum
Spencer & Haviland, 174 S Portland
Wilfert, Jno. & Co., 490 Bushwick av

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Boroughs of Manhattan & Bronx.

NEW YORK—Adee, Fred & Co., 44 Cliff
Beals, H. H., 51 Cliff
BEGGS, JAS. & CO., 109 Liberty, New York. (See adv. index, end of book)
Behrer & Co., 81 Beekman
Bernard-Greenwood Co., 20 Desbrosses
Boig & Hill, 216 Fulton
Bushnell, John S. & Co., 227 Fulton
Campbell Supply Co., 161 E 54th
Chase, H. M. & H. F., 50 Church
Clow, Jas. B. & Sons (of Chicago), 17 Battery pl
Colwell Lead Co., 109 Lafayette
CORNELL & UNDERHILL, 47 Beach. (See adv. index, end of book)
Covering & Supply Co., 232 West
Crane Co. (of Chicago), Est. 1855, 490 Cherry. (See adv. index, end of book)
Curran, Jas. Mfg. Co. (Heating Apparatus), 512 W 36th
Dame & Townsend Co., Cliff & Fulton
Dienst, A. P. Co., 2604 3d av
Dimock & Fink Co., 220 E 125th
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Du Bois, F. N. & Co., 243 9th av
Dunham, Carrigan & Hayden Co. (of San Francisco, Cal.), 127 Duane
Fairbanks Co., cor Lafayette & Broome
Federal-Huber Co., 244 5th av
Gallagher, Jos. E., 80 John
Garrett, W. D. & Co., 136 Liberty
Giannini, G. W., 439 W 42d
Gibbons, Jno. V., 133 Greenwich
Gillis & Geoghegan, 539 W B'way
GORTON & LIDGERWOOD CO. (Boilers, Radiators, Valves, etc.), 96 Liberty. (See adv. index, end of book)
Greason Mfg. Co., 108 W 99th
Gurney Heater Mfg. Co. (of Boston), 12 E 42d
Hussey, W. H. & Son, 148 W 35th
International Heater Co. (of Utica, N. Y.), 1 Madison av
Kay, Wm. H., 224 Fulton
Keating, Edw. F. Co., 446 Water
Kelly & Jones Co., 15 Park row
Lederman, Samuel, 562 Amsterdam av
Locke & Smith Co., 103 W 37th
McMann, Thos. R. Sons, 56 Gold
McMANN & TAYLOR, 104 John (See adv. index, end of book)
McNab & Harlin Mfg. Co., 56 John
McShane, Wm. Co., 711 6th av
MacSorley Co., 44 Manhattan
Manning, Maxwell & Moore, 85 Liberty
Marine Mfg. & Supply Co., 158 South
Markt & Struller Co. (Exporters), 193 West
Mayor, Lane & Co., 128 White
Montgomery & Co., 105 Fulton
Motley, Green & Co. (Inc.), 68 Broad
Mott, J. L. Iron Works, 118 5th av
Murray, John A., 625 6th av
Nason Mfg. Co., 71 Beekman
Nevius, Theo. M., 90 John
Page, Wm. H. Boiler Co., 15 Murray
Panconst, Rogers & Richards, 28 Platt
PATTERSON, GOTTFRIED & Hunter (Ltd.), 211 Centre
Peck Bros. & Co. (of New Haven, Conn.), 27 W 42d
Pierce, Butler & Pierce Mfg. Co. (of Syracuse), 254 4th av
Pollock, Alex. Co., 203 West
Ransom, Stephen, 402 West
Roberts, Geo. I. & Bros., 471 4th av
Robertson, Jas. L. & Sons, 48 Warren
ROGERS, HENRY A. CO., 19 John, (See adv. index, end of book)
Ronalds & Johnson Co., 54 Cliff
Rumsey Pump & Machine Co., 75 Warren
Russell, W. A. & Co., 80 Centre
SIMMONS, JOHN CO., 106 Centre, (See adv. index, end of book)
Smith, H. B. Co., 39 E Houston
Standard Plumbing Supply Co., St. Ann's av & 159th
Star Lubricating Co., 232 W 28th
Starratt & Jones Co., 131 Worth
Strong Machinery & Supply Co., 48 Franklin
Tucker, Cummings H., Jr., 135 Greenwich
U. S. Heater Co. (of Chicago & Detroit), 129 Worth
Urquhart's, John S. Son & Co., 131 Liberty
Walker & Chambers, 50 E 20th
Walworth Mfg. Co. (of Boston), 15 Park row
Williams & Wells Co., 250 Fulton

Borough of Queens.

LONG ISLAND CITY—Brodie, Wm., 31 Vernon av

(End of New York City)

NIAGARA FALLS — Elderfield - Hartshorn Hardware Co.
OGDENSBURG—Nash Bros. & Co.
OSSINING—Barlow & Co.
POUGHKEEPSIE—Adriance, Peter & Son
Poughkeepsie Foundry & Machine Co.
ROCHESTER—Howe & Bassett, 23 Stillson
Reynolds, Jas. Co., 35 Mill
Sloan, Samuel & Co., 67 Exchange
SAUGERTIES—Lamb, Daniel & Son
SCHENECTADY—Stevenson Bros.
SYRACUSE—Bates, Edw. P., 228 W Water
Joy, Edw., 125 Market
Kieffer Bros., 220 N Salina
McClure, R. C. Co., 329 S Clinton
Pierce, Butler & Pierce Mfg. Co., 234 James
Syracuse Supply Co. (Ltd.), 314 W Fayette
TONAWANDA—Gillie Machine Co.
TROY—Aird-Don Co., 411 River
Barnes, Wm. H., 14 1st
Barnum Bros. Co., 179 River
Horan, J. J. & Co., 215 River
Mulligan & Schermerhorn, 2d c State
Troy Belting & Supply Co., 6 Grand
UTICA—Bates, Edw. P., 88 Pearl
International Heater Co., 21 Park av
Millar, Chas. & Son Co.
WATERTOWN—Hunting Co.
Spratt, Corcoran & Foley Co.
Weekes, Jno. & Son Co.

NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
General Fire Extinguisher Co. (of Providence, R. I.)
GOLDSBORO—Dewey Bros.
GREENSBORO—Odell Hardware Co.
NEW BERN—Hyman Supply Co.
RALEIGH—Young & Hughes
WINSTON SALEM—Crawford Plumbing & Mill Supply Co.

NORTH DAKOTA.

FARGO—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

OHIO.

AKRON—Hardware & Supply Co. (Pipe & Fittings, etc.)
CANTON—Allman, W. H. Co.
Canton Hardware Co.
McLain, J. H. Co.
Miller, M. W.
Novelty Iron Co.
CINCINNATI—Bourbon Copper & Brass Works, 618 E Front
Crane Co. (of Chicago), Est. 1855 (See adv. index, end of book)
Deckebach, F. C. Sons Co., 129 W Court
FAIRBANKS, MORSE & CO. (of Chicago), 307 Walnut. (See adv. index, end of book)
Geerin Bros. & Co., 422 E 8th
Hesterberg, Robert & Co., Spring Grove & Gerrard avs
LAIDLAW-DUNN-GORDON CO., 211 W 4th. (See adv. index, end of book)
McGowan, John H. Co., 54 Central av
Merkel Bros., Canal & Jackson
Merrie, Hugh, 124 E 8th
Nichol, Thos. J. & Co., cor Pearl & Ludlow
Queen City Supply Co., Pearl & Elm
CLEVELAND—Bingham, Wm. Co., 1455 W 9th
Bliss, Harry A., 815 Long av
Chafer Co., 431 Champlain av, N W
Crawford, P. R. & Son, Williamson bldg. Chicago, Ill.
FAIRBANKS, MORSE & CO. (of Chicago). (See adv. index, end of book)
Fisher, E. W. Co., 811 Superior av, N. E.
Kennedy Co., 1310 Huron rd., S. E.
Lockwood-Taylor Hardware Co., 1369 W 9th
McIntosh Hardware Corp'n, 725 Superior.
Metal Sales Co., Citizens' Bldg
PATTISON, W. M. SUPPLY CO., 197- 211 St. Clair av. (See adv. index, end of book)
Sanitary Co.
STRONG, CARLISLE & HAMMOND Co., 336 Frankfort av, N. W. (See adv. index, end of book)
Worthington, Geo. Co., 814 St. Clair av, N. W.
COLUMBUS—Ascher Supply Co., 288 N High
Columbus Supply Co., 37 W Spring
Engineers' & Plumbers' Supply Co.
Miller, W. H. Co., 80 W Broad
Scioto Valley Supply Co.
DAYTON—Buckeye Iron & Brass Works
Dayton Supply Co.
Larkin M. D. Supply Co., 118 E 3d
DEFIANCE—Defiance Machine Works
FINDLAY—Adams Bros. Co.
Went, C. H.
Wyssbrod, B. V. & Co.
GREENVILLE—Ross Supply Co.
HAMILTON—Walker, John L. Co.
MANSFIELD—Barnes Mfg. Co.
Humphryes Mfg. Co.
Ohio Brass Co.
MIDDLETOWN—Arpp, John
NAPOLEON—Heller-Aller Co.
TOLEDO—Arbuckle-Ryan Co., 724 Monroe
Grosswiller, J. F. Supply Co., 133 Michigan
National Supply Co.
TROY—Hatfield & Scott
WARREN—Warren Hardware Co.
YOUNGSTOWN—Stambaugh-Thompson Co.
Scholl, W. J. Co.
ZANESVILLE—Le Roy, Jos. A.

OKLAHOMA.

OKLAHOMA CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

OREGON.

ASTORIA—Fisher Bros. Co.
PORTLAND—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago) (See adv. index, end of book)
Gauld Co., 14 N 1st
Kline, M. L., 84 Front
McPherson, W. G. Co., 47 1st

PENNSYLVANIA.

ALLEGHENY—Carlin Machinery & Supply
ALLENTOWN—Albright, Son & Co. Co., Inc.
Taylor, Wm. H. & Co.
ALTOONA—Standard Supply & Equipment Co.
ASHLAND—Buck, Peter E. & Sons
BETHLEHEM—Rice, Fred J
BRADFORD—Bovaird & Seyfang Mfg. Co.
Emery, L., Jr., & Co.
Oil Well Supply Co. (of Pittsburg)
BUTLER—Campbell, J. G. & W.
Kesselman & Co.
Masseth Packer & Machine Works, Butler, Pa.
CARBONDALE—Van Bergen & Co.
CHAMBERSBURG—Gilbert, Daniel
CHESTER—Riley, Benj. F.
CHICORA—Hays, E. F.
Hoch Bros. Co.
CLARION—Magee, John A. & Son
CONSHOHOCKEN—Bate, Wm. T. & Son
CORRY—Barlow Hardware Co.
DUBOIS—Dubois Iron Works
DUKE CENTER—Berry & Duke
EMLENTON—Bennett Hardware Co.
Mitchell, H. B. & Co.
Weller, J. A. & Son
ERIE—Erie Mfg. & Supply Co.
Jarecki Mfg. Co.
FRANKLIN—Emery, W. N. & Son
FREELAND—Birkbeck, Wm.
Freeland Plumbing & Plumbing Supplies Co.
GREENSBURG—Kelly & Jones Co. (of Pittsburg)
GREENVILLE—Packard Hardware Co.
HARRISBURG — Harrisburg Steam Heat & Power Co.
Mather, Edmund & Co., 36 N 2d
HAZLETON—Bright, J. C. & Co.
Hazleton Machinery & Supply Co.
JOHNSTOWN—Johnstown Supply House
Swank Hardware Co.
KINGSTON—Boat, A. J. Supply Co.
LANCASTER—Central Machine Works
Reilly Bros. & Raub
Sheet Metal & Supply Co.
Steinman Hardware Co.
LATROBE—Gilligan, Jno.
LEBANON—Krause, Geo. Hardware Co.
LEWISBURG—Proctor, G. W. & Son
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Shipley Hardware Co.
MOUNT JOY—Moyer Gabriel
OIL CITY—Logan, Robt.
Oil Well Supply Co. (of Pittsburg)
United Hardware & Supply Co.
PHILADELPHIA—Belfield, H. & Co., 435 N Broad
Bell, Harry E., 212 Church
Billington, J. H. Co., 113 Chestnut
Blessing, C. A., 516 Montgomery av
Bond, Chas., 520 Arch
Bowman, H. L. & Co., 31 S 4th
Bridgman Bros. Co., 1422 Washington av
Brogan & Co., 810 Race
Cox & Sons Co., 215 Race
Crane Co. (of Chicago), Est. 1855, 245 Master.. (See adv. index, end of book)
Fleck Bros. & Co., 44 N 5th
Ford & Kendig Co., 1432 Callowhill

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Froelich Bros., 142 N 7th
Haddock, Chas., 343 N 3d
Haines, Wm. S. Co., 136 S 4th
Haines, Jones & Cadbury Co., 1136 Ridge
Hartman Co., 1231 N Front av
Hunter & Dickson Co., 15 Washington av
Huyette, Paul B. Co., Inc., 1226 Bets bldg
Maddock & Co., 40 N 6th
Maneely, John, 309 Arch
Manning, Maxwell & Moore, 721 Arch
Model Heating Co. (Steam Heating Apparatus, etc.), 142 N 10th
Mott, J. L. Iron Works, Commonwealth Trust bldg
Pancoast, Henry B. & Co., 243 S 3d
Penn Engineering Co., 1119 N Howard
Perkes, Chas., 627 Arch
Rainear, C. J. & Co., 518 Arch
Ronalds & Johnson Co. (of New York), 139
Schade, Albert Co., 56 N 2nd N 7th
Sees & Faber, 2010 N Front
Shuster Foundry Co., Franklin & Willow
Spaulding & Metcalf, 532 Arch
Standard Supply & Equipment Co., 1710 Market
Tatnall Engineering Co., Arcade bldg
Toomey, Frank J., 131 N 3d
Watt's John M. Sons, 54 N 2nd
Webb, Elisha & Son Co., 136 S Front
Whetstone & Co. (Inc.) (Pipe & Fittings, etc.), 911 Filbert
Williamson & Cassedy, 526 Market

PHOENIXVILLE—Caswell & Moore

PITTSBURG—Anchor Sanitary Co., 126 3d av
Bailey-Farrell Mfg. Co., 3rd av & Ross
Duquesne Sanitary Co., 426 2d av
Frick & Lindsay Co., 109 Wood
Harris Pump & Supply Co., 322 2d av
Heyl & Patterson, 51 Water
Hickman, V. Q., 345 4th av
Hyde Bros. & Co., 316 4th av
Jarecki Mfg. Co. (Ltd.) (of Erie, Pa.), 1005
Kelly & Jones Co., 135 Water Liberty av
Konold, M. J. Co., Bessemer bldg
McKnight & Victory, 418 4th av
OIL WELL SUPPLY CO., 215 Water. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY Co., 30th & Liberty av. (See adv. index, end of book)
Pittsburg Supply Co., 439 Water
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V R'y. (See adv. index, end of book)
Reineke-Wilson Co., 15 Wood
Russell Machine Co., 28th & Spruce av
Somers, Filter & Todd Co., 327 Water
Standard Supply & Equipment Co., 1151 Liberty av
Turner, Chas. A., 1319 Grandview av
Valley Supply Co., 208 Water

POTTSTOWN—Fegely, J. & Son

POTTSVILLE—Bright & Co.
Pottsville Supply Co.

READING—Bright & Co., 504 Penn
Connard, Henry, 6th & Chestnut
Greth Machine Works (Inc.), 629 Franklin
Reading Scale & Machine Co.
Stichter Hardware Co. (Ltd.)
Xander Machine & Supply Co.

SCRANTON—Everhart Brass Works
Hunt, Alex. E.
O'Malley Mfg. Co.
Scranton Supply & Machinery Co.

SHARON—Fruit-Ohl & Co.

SOMERSET—Schell, P. A. & Co. (of Connellsville)

TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.

TUNKHANNOCK—Billings, Paul & Co.

WARREN—Picket Hardware Co., Ltd.

WILKES-BARRE—Carpenter, B. G. & Co.
Phelps, Lewis & Bennett Co.

WILLIAMSPORT—Keeler, E. Co.
Kline & Co.
Moltz, Jacob J.

YORK—Small, P. A. & S.

RHODE ISLAND.

PAWTUCKET—Jackson, Samuel Co.

PROVIDENCE—Allen & Reed (Inc.), 178 Dorrance
Conlin, J. C., 34 S Water
General Fire Extinguisher Co., Union Trust bldg
Phillips Lead & Supply Co., 91 S Main
R. I. Supply & Engineering Co., 156 W Exchange
Winsor, Ira & Co., 169 Dorrance

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
Cameron & Barkley Co.
Valk & Murdoch Iron Works

SOUTH DAKOTA.

WATERTOWN—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)

TENNESSEE.

CHATTANOOGA—Fritts, Tom Hardware Co.
James Supply Co.

JACKSON—Southern Engine & Boiler Works

KNOXVILLE—Scott's Patent Brick Car Co.

MEMPHIS—Bailey, J. A. & Co.
Browne & Borum
Chickasaw Iron Works
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Orgill Bros. & Co.
Riechman-Crosby Co.

NASHVILLE—Fall, J. H. & Co. (Inc.)
Keith, Simmons & Co.
Nashville Machine Co.

TEXAS.

AUSTIN—Tips, Walter

DALLAS—Briggs-Weaver Machinery Co.
Kinnison Bros.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Wolfe, B. F. & Co.

GALVESTON—Shean, Paul Sanitary Plumbing & Mfg. Co.

HOUSTON—Heitman, F. W. Co.
Smith, Howard & Co.

SAN ANTONIO—Collins-Gunther Co.
San Antonio Machine & Supply Co.

TYLER—Connally, Walter & Co.
Smith & Marsh

WACO—Strauss, E.

UTAH.

OGDEN—Halverson Bros.

SALT LAKE CITY—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (of Chicago), 218 S. W. Temple. (See adv. index, end of book)
Salt Lake Hardware Co.
Silver Bros. Iron Works Co.

VERMONT.

BELLOWS FALLS—Allbee, Geo. B.

RUTLAND—Lincoln Iron Works
Steam Stone Cutter Co. (Valves, Pipe & Fittings, etc.)

VIRGINIA.

CHARLOTTEVILLE—Wood, J. Edwin Co.

LYNCHBURG—Barker-Jennings Hardware Co.

NORFOLK—Taylor, W. H. & Co.
Virginia-Carolina Supply Co.
Walke, Henry Co.
White, E. V. & Co. (Inc.).

PETERSBURG—Stratton & Bragg Co.

RICHMOND—Bargamin, G. & A.
Frischkorn, Hunter B.
Smith-Courtney Co.
Sydnor Pump & Well Co.

ROANOKE—Nelson Hardware Co.

SUFFOLK—Folk, E. L. & Co.

WASHINGTON.

BELLINGHAM—Morse Hardware Co.

OLYMPIA—Olympia Hardware Co.

SEATTLE—Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Hambach, A. Co.
Hoffns Steel & Equipment Co. (Pipe, etc.)
Kellogg-Mackay Co.
Mitchell, Lewis & Staver Co.
Moran Co.
Puget Sound Machinery Depot
Washington Iron Works Co.

SPOKANE—Barnard Mfg. Co.
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
FAIRBANKS, MORSE & CO. (See adv. index, end of book)
Holley, Mason Hardware Co.
Spokane Hardware Co.

TACOMA—Caldwell Bros. Co. (Inc.)
Crane Co. (of Chicago), Est. 1855. (See adv. index, end of book)
Hunt & Mottet Co.
Washington Hardware Co.

WEST VIRGINIA.

CHARLESTON—Capitol City Supply Co.
South Side Foundry & Machine Works

CLARKSBURG—Clarksburg Supply Co.

HUNTINGTON—Miller Supply Co.

PARKERSBURG—Stiles Foundry & Supply Co.

NEW CUMBERLAND—Davis-Price Foundry & Machine Co.

WHEELING—Hare's, Wm. Sons
Trimble & Lutz Supply Co.

WISCONSIN.

EAU CLAIRE—Brooks, Jas. H.
Hobbs, W. H. Supply Co.

GREEN BAY—Kimball, Chas., Jr.

HURLEY—McConnell Hardware Co.

LA CROSSE—Roosevelt, W. A. Co.

MANITOWOC—Richards Iron Works

MILWAUKEE—Bowers, W. A. Heating Co. 462 Market
Downey & Kruse Co., 112 2nd
Hoffmann, B. Mfg. Co., 267 6th
Hoffman & Billings Mfg. Co., 109 2nd
Milwaukee Valve Co., 861 Robinson av
Mueller, L. J. Furnace Co. (Heating Apparatus & Supplies), 197 Reed
Rom, Robt. Co., 1101 St. Paul av
Rundle-Spence Mfg. Co., 68 2d
Wisconsin Machinery & Mfg. Co., 8 Canal cor Mississippi av
Yale, H. P. & Co., 99 W Water

OSHKOSH—Battin Bros.

RACINE—Davis Heater Co.

WAUPUN—Althouse-Wheeler Co.

WAUSAU—Murray, D. J. Mfg. Co.

Steam Heating Apparatus

(See Heaters, Steam & Hot Water; also Radiator Manufacturers; also Valve Manufacturers, Various Kinds; also Steam Fitters' Supplies, Etc.)

Steam Tables for Culinary Purposes

(See Cooking Apparatus)

Steel (Agricultural Implement)

(See also Steel Bar Mills; also Steel, Crucible)

American Sheet & Tin Plate Co. (Sheet), Pittsburg, Pa.

Buffalo Steel Co. (Bessemer, Harrow & Cultivator Bars, Plow Beams, etc.), Tonawanda, N. Y.

Calumet Steel Co. (Bessemer Cultivator Bars, Angles, Channels, etc.), Commercial Nat'l bldg, Chicago, Ill.

Cambria Steel Co., Arcade bldg, Phila., Pa. Works Johnstown, Pa.

Colonial Steel Co. (Soft Center, Crucible & Open Hearth Plow Steel, etc.), Pittsburg, Pa.

Crucible Steel Co. of America (Crucible & Open-Hearth), Pittsburg, Pa.

Elyria Iron & Steel Co. (High Carbon Shapes, Angles, Tubing, etc.), Elyria, O.

Harrow Spring Co., Kalamazoo, Mich.

Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.

Interstate Iron & Steel Co. (High Carbon Steel Cultivator Beams, I & U Harrow Bars, etc.), 1st National Bank bldg, Chicago, Ill.

Jones & Laughlin Steel Co., Pittsburg, Pa.

La Belle Iron Works (Special Plates, Plow Slabs, etc.), Steubenville, O.

Lackawanna Steel Co. (Bessemer & Open Hearth), Buffalo, N. Y.

Norwalk Steel & Iron Co. (Soft Center Plow Steel, etc.), Norwalk, O.

Republic Iron & Steel Co. (Angles, Channels, Plow Beams, U Bars, etc.), Pittsburg, Pa.

Ryerson, Jos. T. & Son (Jobbers), Chicago, Ill.

Sweet's Steel Co., Williamsport, Pa.

Union Drawn Steel Co. (Cold Drawn), Beaver Falls, Pa., & 460 Washington, New York

Steel (Alkali Drum)

American Sheet & Tin Plate Co., Frick bldg, Pittsburg, Pa.

*Steel (Alloy & Carbon)

FRASSE, PETER A. & CO., 139 Worth, New York. (See adv. index & branch offices, end of book)

Steel (Aluminum & Bronze Clad)

Duplex Metals Co. ("Monmot" Bars, Rods, Sheets & Wire), 145 B'way, New York

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Steel Angles, Channels & Tees

(See Steel Structural Mills, and note the matter following each name)

Steel Automobile Sheets

(See also Iron & Steel Sheet, Black and Galvanized)

American Sheet & Tin Plate Co., Frick bldg. Pittsburg, Pa.
Columbia Steel Co. (Automobile Frame Steels), Elyria, O.
MERCHANT & EVANS CO. (Inc.) (Also Tin Sheets), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
National Sheet Steel Co., Mansfield, O.
Wood, Alan Iron & Steel Co., 519 Arch, Phila., Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Steel Automobile (Special)

MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)

Steel Bands & Hoops

(See Iron & Steel, Band & Hoop)

Steel Bar Mills

(See also Iron Bar Mills; also Steel, Crucible)

American Bridge Co. (Open Hearth), Pittsburg, Pa.
American Horse Shoe Co. (Steel Bars), Phillipsburg, N. J.
American Iron & Steel Mfg. Co. (Merchant Bar), Lebanon, Pa.
AMERICAN ROLLING MILL CO. (Basic Open Hearth), Middletown, O. (See adv. index, end of book)
AMERICAN STEEL & WIRE CO. (Open Hearth), Commercial Bank bldg. Chicago, Ill. (See adv. index & branch offices, end of book)
American Tube & Stamping Co. (Crucible), Bridgeport, Conn.
Atlanta Steel Co. (Basic Open Hearth, Rounds, Flats, Squares, etc.), Atlanta, Ga.
Atlas Steel Co. (High Grade Crucible, "Loco" High Speed Steels, "Atlas" Tempering Steels), Dunkirk, N. Y.
Bethlehem Steel Co. (Nickel & Nickel Chrome for Files, Screws, Wire Rods, etc.), South Bethlehem, Pa.
Braeburn Steel Co. (Crucible Bar & Tool Steel), Braeburn, Pa.
Brown & Co. (Inc.) (Crucible Bar & Tool Steel), Pittsburg, Pa.
Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.
Calumet Steel Co. (Bessemer), Commercial Bank bldg, Chicago, Ill. Works, Washington Heights, Ill.
Cambria Steel Co. (Bessemer & Open Hearth), Arcade bldg., Phila., Pa.
Carnegie Steel Co. (Open Hearth & Bessemer Merchant Bar). General Offices: Pittsburg, Pa.
Carpenter Steel Co. (Crucible Tool Steel), Reading, Pa.
Colonial Steel Co. (Open Hearth Merchant Bars & Crucible Steel Bars), Pittsburg, Pa.
Colorado Fuel & Iron Co. (Bessemer & Open Hearth Merchant Bars), Denver, Colo.
Columbia Tool Steel Co. (Rolled & Hammered Crucible Tool & Machinery), Chicago Heights, Ill.
Crucible Steel Co. of America (Crucible & Open Hearth Merchant Bar & Hammered & Rolled Tool Steel), Pittsburg, Pa.
Cyclops Steel Works ("Cyclops," Crucible & Open Hearth Hammered, Rolled & Bar Tool Steel), Titusville, Pa.
Damascus Tool Steel Co. (Crucible for Tools, Dies, etc.), Pittsburg, Pa.
Eastern Steel Co. (Bar Steel), Pottsville, Pa.
Eckels-Nye Steel Co. (Bessemer & High Carbon Merchant Steel), Syracuse, N. Y.
Elmira Rolling Mill Co. (Refined Bar), Elmira Heights, N. Y.
Empire Rolling Mill Co. (Merchant Bar Steel), Cleveland, O.
Falls Hollow Staybolt Co. (Staybolt), Cuyahoga Falls, O
Fariat Steel Co. (Rolled & Hammered Crucible & Open Hearth), Bridgeport, Conn.
Firth-Sterling Steel Co. ("Blue Chip" Crucible Tool Steel), McKeesport, Pa.
Halcomb Steel Co. (High Grade Crucible Tool Steel & Rolled & Hammered Crucible & Open Hearth Steel), Syracuse, N. Y.
Harrow Spring Co. (Merchant & Machinery Steel), Kalamazoo, Mich.
Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.
Hirsch Rolling Mill Co. (Merchant Bar & Refined Steel), St. Louis, Mo.
Illingworth, Jno. Steel Co. (Hammered & Rolled Crucible Steel Bars; also Rerolled & Hammered Open Hearth Steel), Frankford, Phila., Pa.
Illinois Steel Co. (Merchant Bars, Bessemer & Open Hearth), 115 Adams, Chicago, Ill.
Interstate Iron & Steel Co. (High Carbon Steel & Soft Steel Flats, Rounds, Squares, etc.), 1st Nat'l Bank bldg., Chicago, Ill.
Janson Steel & Iron Co. (Rounds, Flats, Squares, etc.), Columbia, Pa
Jones & Laughlin Steel Co. (Rounds, Squares, Ovals, Flats, Hexagons, etc.), Pittsburg, Pa.
Kenton Iron & Steel Co. (Steel Bars), South Charleston, W. Va.
Lackawanna Steel Co. (Open Hearth Merchant Steel Bars, Rounds, Squares & Flats, for Car Builders, Agricultural Implements, Bolts, etc.), Buffalo, N. Y.
Lockhart Iron & Steel Co. (Soft Steel in Bars), McKees Rocks, Pa.
Ludlum Steel & Spring Co. (Pure Carbon Crucible Tool Steel for Taps, Dies, Cutters, Reamers, Chisels, Drills, etc.), Watervliet, N. Y.
McINNES STEEL CO. (Ltd.) (Hammered Tool Steel, Air Hardening Steel & "Cello" Oil Tempered Steel), Corry, Pa. (See adv. index, end of book)
Midvale Steel Co. (Crucible & Open Hearth), Nicetown, Phila., Pa.
National Rolling Mill Co. (Bar & Finished), Vincennes, Ind.
New Haven Iron & Steel Co. (Merchant Bar & Band Iron & Steel for Bolt, Nut, Rivet Drop Forging, Horse Shoe Rods, Carriage Works, etc.; also Ovals, Half Ovals, Half Rounds, Hexagons, Bevel Edges, Small Channels), New Haven, Conn.
Norfolk Steel & Iron Co. (Crucible, Die, Black & Tool Steel, etc.), Norfolk, O.
Oliver Iron & Steel Co. (Rounds, Squares, Flats & Special Shapes), Pittsburg, Pa.
Otis Steel Co. (Acid & Basic Open Hearth), Cleveland, O.
Pardee, C. Works (Merchant Bars), Perth Amboy, N. Y.
Penna. Steel Co. (Bessemer & Open Hearth Merchant Bar, Round, Flat & Square Steel), Girard bldg, Phila., Pa. Works, Steelton, Pa.
Phoenix Iron Co. (Open Hearth Steel), 410 Walnut, Phila., Pa. Works, Phoenixville, Pa.
Railway Steel Spring Co. (Open Hearth Flats, Rounds, Squares, etc.), 30 Church, New York
Republic Iron & Steel Co. (Soft & Hard Merchant Steel), Pittsburg, Pa.
Rockaway Rolling Mill (Steel Bars), Rockaway, N. J.
Schuylkill Haven Iron & Steel Co. (Steel Bars, Rounds, Squares, etc.), Schuylkill Haven, Pa.
Susquehanna Iron Co. (Merchant Bar Steel), Columbia, Pa.
Sweet's Steel Co. (Merchant Bar Steel, Special Open Hearth, Flat, Round, Square, Ovals, etc.), Williamsport, Pa.
Tennessee Coal, Iron & Railroad Co. (Steel Bars), Birmingham, Ala.
Union Rolling Mill Co. (Soft Steel Bars), Cleveland, O.
Vulcan Crucible Steel Co. (Crucible & Open Hearth Rolled & Forged), Aliquippa, Pa.
Wood, Alan Iron & Steel Co., 519 Arch, Phila., Pa.

*Steel Bars (Finished)

(See also Shafting, Polished Steel)

STANDARD GAUGE STEEL CO. (Squares, Rounds, Flats, Hexagon & Finished Shapes), Beaver Falls, Pa. (See adv. index, end of book)

Steel Bars for Reinforced Concrete

(See Concrete Reinforcing Materials)

Steel Beams

(See Steel Structural Mills)

Steel Bedstead Angles

(See also Steel Structural Mills; also Tubing, Various Kinds)

Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.
Elyria Iron & Steel Co. (High Carbon Steel), Elyria, O.
Inland Steel Co., First National Bank bldg. Chicago, Ill.

Steel Billets & Blooms

(See Billets, Blooms & Slabs, Steel)

Steel Boiler & Tank Plate

(See Iron & Steel Boiler & Tank Plate)

Steel Brick & Rock Face Siding

(See also Roofing & Siding, Iron & Steel)

American Sheet & Tin Plate Co., Pittsburg, Pa.
BERGER MFG. CO., THE, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Dickelman Mfg. Co., Forest, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., Canton, O.
Goff, Horner & Co. (Ltd.), Pittsburg, Pa.
Inland Steel Co., 1st Nat'l Bk. bldg, Chicago, Ill.
Kanneberg Roofing & Ceiling Co., Canton, O.
Mesker, Geo. L. Co., Evansville, Ind.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Sheet Metal Mfg. Co., Niles, O.
Souther, E. E. Iron Co., St. Louis, Mo.
Stoneware Tile Co., Louisville, O.
Thomas Steel Co., Niles, O.
Wheeling Corrugating Co., Wheeling, W. Va.

Steel Bridge Plate

American Bridge Co. (Open Hearth), Pittsburg, Pa.
Carbon Steel Co. (Open Hearth), Pittsburg, Pa.
Carnegie Steel Co., Pittsburg, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Cleveland Steel Co., Cleveland, O
Crucible Steel Co. of America, Pittsburg, Pa.
Eastern Steel Co., Pottsville, Pa.
Glasgow Iron Co. (Open Hearth Steel; also Iron), Pottstown, Pa.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lukens Iron & Steel Co. (Open Hearth), Coatesville, Pa.
Lucknow Iron & Steel Co. (Iron & Steel), Harrisburg, Pa.
Maryland Steel Co., Baltimore, Md.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Phoenix Iron Co., 410 Walnut, Philadelphia, Pa.
Republic Iron & Steel Co., Pittsburg, Pa.

Steel Bridges

(See Steel Structural Work)

Steel Buildings

(See Steel Structural Work)

Steel Ceilings

(See Ceilings, Sheet Steel)

Steel Cellar Doors

Harrisburg Foundry & Machine Works, Harrisburg, Pa.
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)

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Steel Channels
(See Steel Structural Mills)

Steel Chimneys
(See Smoke Stacks, Steel)

Steel (Cold Drawn)

AMERICAN STEEL & WIRE CO., Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Capenter Steel Co. (Crucible Steel & Wires), Reading, Pa.
Columbia Steel & Shafting Co. (Drawn & Polished Squares, Flats, Hexagons & Shapes, etc.), Pittsburg, Pa.
Crucible Steel Co. of America (Crucible, Bright Drawn), Pittsburg, Pa.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Finished Steel Co., Youngstown, O.
Halcomb Steel Co. (Crucible), Syracuse, N. Y.
Jones & Laughlin Steel Co. (Rounds, Squares, Hexagons, Flats, Angles, Zees, Plates, Sheets, etc.), Pittsburg, Pa.
Kidd Bros. & Burgher Steel Wire Co. (Free Cutting Screw, etc.), Aliquippa, Pa.
Pardee, C. Works (Flats, Shafting, etc.), Perth Amboy, N. J.
Pittsburg Shafting Co., of Detroit (Die Drawing, Nickel, etc.), Detroit, Mich.
Pittsburg Tool Steel Wire Co. (Tool for Twist Drills, Taps, etc.), Monaca, Pa.
Republic Iron & Steel Co. (Piston & Pump Rods, Lead Screws, Fine Machine Rods, Line Shafting, etc.), Pittsburg, Pa.
Superior Steel Co., Pittsburg, Pa. Works, Carnegie, Pa.
UNION DRAWN STEEL CO. (Rounds, Flats, Squares, Hexagons, Sheets & Shapes), Beaver Falls, Pa., & 460 Washington, New York
WORCESTER PRESSED STEEL CO. Worcester, Mass. (See adv. index, end of book)

*Steel (Cold Pressed)

STANDARD GAUGE STEEL CO. (Finished Flats, Squares, Angles, Channels & Special Shapes), Beaver Falls, Pa. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO. Worcester, Mass. (See adv. index, end of book)

Steel (Cold Rolled)

American Sheet & Tin Plate Co. (Sheets), Pittsburg, Pa.
AMERICAN STEEL & WIRE CO. (Shafting, Flat Wire, etc.), Commercial Nat'l B'k bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American Tube & Stamping Co. (Hoop, Strip & Bar), Bridgeport, Conn.
Brcoksbank, Mullin & Co. (Dannemora, Imported Hot & Cold Sheet), 409 Commerce, Phila., Pa.
Cambria Steel Co. (Rounds, Squares, Hexagons, Flats, Angles, Tees & Zees), Arcade bldg, Phila., Pa. Works, Johnstown, Pa.
Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.
Columbia Steel & Shafting Co. (Hexagons, Squares, Flats, etc.), Pittsburg, Pa.
Columbia Steel Co. (Sheets, Bars, Strips, etc.), Elyria, O.
Crucible Steel Co. of America (Crucible, Flats, etc.), Pittsburg, Pa.
Cumberland Steel Co. (Flats, Squares & Hexagons), Cumberland, Md.
Disston, Hy. & Sons (Inc.) (Hexagons, Squares, Flats, etc.), Tacony, Phila., Pa.
Empire Iron & Steel Co. (Bessemer & Open Hearth Steel Sheets), Niles, O.
Goff, Horner & Co. (Special Open Hearth Steel Sheets for Ceilings & Stamping Purposes), Frick bldg, Pittsburg, Pa. Works, Zanesville, O.
Halcomb Steel Co. (Crucible & Basic Open-Hearth Bar, Strips, etc.), Syracuse, N. Y.
Illingworth, Jno. Steel Co. (Bars), Frankford, Phila., Pa.
Jones & Laughlin Steel Co. (Hexagons, Squares, Flats, Plates, Sheets, Bars, Rods, etc.), Pittsburg, Pa.
Kidd Bros. & Burgher Steel Wire Co. (Flats), Aliquippa, Pa.
Miller & Van Winkle (Hexagons, Squares, Flats, etc.), 20 Bridge, Brooklyn, N. Y.
Morris & Bailey Co. (Sheets), German National Bank bldg, Pittsburg, Pa.
National Sheet Steel Co. (Sheets), Mansfield, O.
Parkersburg Iron & Steel Co. ("National" Bessemer Sheets), Parkersburg, W. Va.
Pittsburg Shafting Co. of Detroit, Detroit, Mich.
Republic Iron & Steel Co. (Rounds), Frick bldg Annex, Pittsburg, Pa.
STANLEY WORKS (Strip), New Britain, Conn., & 79 Chambers, New York. (See adv. index, end of book)
UNION DRAWN STEEL CO. (Rounds, Flats, Squares, Hexagons, Sheets & Shapes, Bessemer, Open Hearth, Crucible, Cold Die Rolled Steel), Beaver Falls, Pa., & 460 Washington, New York
Washburn Wire Co. (Rounds, Squares & Flats), Phillipsdale, R. I., & 118th & Harlem River, N. Y.
West Leechburg Steel Co. (Hot & Cold Rolled Strip), Pittsburg, Pa. Works, Leechburg, Pa.
Wood, Alan Iron & Steel Co. (Sheets), 5th Arch, Phila., Pa
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Steel (Cold Rolled Strip)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
American Tube & Stamping Co. Bridgeport, Conn
Carpenter Steel Co. (Crucible Spring), Reading, Pa.
Columbia Steel Co. (Flats in Widths from ½ to 15½ inches; in all Gauges from very thin to 8-8th inch thick), Elyria, O.
Crucible Steel Co. of America, Pittsburg, Pa.
Disston, Henry & Sons (Inc.), Tacony, Phila., Pa.
Elliott-Blair Steel Co. (Fine Bright Dead Soft for Sewing Machines, Typewriter, Bicycle Parts, etc.), New Castle, Pa.
Halcomb Steel Co. (Crucible & Basic, Open Hearth), Syracuse, N. Y.
Miller & Van Winkle, 20 Bridge, Brooklyn, N. Y.
Morris & Bailey Steel Co., German Nat'l Bank bldg, Pittsburg, Pa.
Pittsburg Shafting Co., of Detroit, Detroit, Mich.
STANLEY WORKS, New Britain, Conn. (See adv. index & branch offices, end of book)
Superior Steel Co. (For Stamping & Drawing, etc.), Pittsburg, Pa. Works Carnegie, Pa.
West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Pittsburg, Pa. Works Leechburg, Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Steel (Cold & Hot Rolled Sheet)

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Steel (Copper Clad)

Duplex Metals Co. ("Monnot" Bars, Rods, Sheets & Wire), 149 B'way, New York

Steel Corner Plates
(See Plasterers' Steel Corner Beads)

Steel (Corrugated)
(See Iron & Steel, Corrugated)

Steel (Crucible)

(For Crucible Steel Castings, see Castings, Steel, with the Word Crucible Following Their Name)
Atlas Steel Co. ("Loco" High Speed Steels, "Atlas" Tempering Steels, Ingots which will be Hammered into Bars, Squares, Rounds, Flats, Octagons, Hexigons, etc., for Tools, Drills, Lathes, Dies, etc.), Dunkirk, N. Y.
Baldwin Steel Co. (High Grade Tool Steel & Forgings), 133 Reade, New York. Works: Charleston, W. Va.
Braeburn Steel Co. (Bar & Tool, Rolled & Forged), Braeburn, Pa.
Bethlehem Steel Co. (Forgings, Self Hardening & Carbon Tool Steel Billets, Shafting, Engine Cranks, Forged Armor Plate, etc.), South Bethlehem, Pa.
Brown & Co. (Inc.) (Tool Steel), Pittsburg, Pa.
Carpenter Steel Co. (Tool Steel for Files, Cutlery, Dies, Wire, etc.), Reading, Pa.
Chrome Steel Works (Chrome Steel Plates, Angles, Bars, etc.), Chrome, N. J.
Colonial Steel Co. ("Red Star" Tool & Drill Steel; also Bars, Sheets, Plates, Circular Saw Plates, Merchant Steel & Forgings, etc.), Pittsburg, Pa.
Columbia Tool Steel Co. (Hammered & Rolled Tool & Machinery Steel), Chicago Heights, Ill.
Crucible Steel Co. of America (Hammered & Rolled Tool, Die, Agricultural, Plow, Saw, Spring, Cutlery, Plate, Cold Drawn Sheet, Shear Steel & Finest Quality of Tool Steel), Pittsburg, Pa.
Cyclops Steel Works (Chas. Burgess, Prop.) (Special Tool Steel & Extra Refined Hammered Iron), Titusville, Pa.
Damascus Tool Steel Co. (Bars, Damascus & Nickel Steel for Tools, Dies, etc.; also Angles, Ell Bars, etc.), Pittsburg, Pa.
Disston, Henry & Sons (Inc.) (Bar Tool, Cold Roll Bands, Engravers Plates, Flat Wire & Special Steel), Tacony, Phila., Pa.
Farist Steel Co. (Rolled & Hammered, All Kinds), Bridgeport, Conn.
Firth-Sterling Steel Co. ("Blue Chip" Fine Tool Steel), McKeesport, Pa.
FRASSE, PETER A. & CO. (High Speed Tool Steel), 130 Worth, New York. (See adv. index & branch offices, end of book)
Halcomb Steel Co. (Finest Quality of Tool Steel, Hammered & Rolled Bars, Sheets & Forgings), Syracuse, N. Y.
Illingworth, Jno. Steel Co. (Hammered & Rolled Bars & Sheets for Tools, Saws, Knives, Files, etc.), Frankford, Phila., Pa.
Imperial Steel Co. (Nickel, Chrome & Tungsten Machinery Steel), Cleveland, O.
Jessop Steel Co. (Sheet & Saw Steel, etc.), 71 John, New York. Works, Washington, Pa.
Kidd Bros. & Burgher Steel Wire Co. (Cold Drawn all Shapes, Drawn Header & Drawn Grip Die Steel), Aliquippa, Pa.
Ludlum Steel & Spring Co. (Pure Carbon Tool Steel for Taps, Dies, Cutters, Reamers, Chisels, Drills, etc.), Watervliet, N. Y.
McINNES STEEL CO. (Ltd.) ("McInnes" Tool & Air Hardening & "Cello" Steel), Corry, Pa. (See adv. index, end of book)
Midvale Steel Co. (Hammered & Forged), Nicetown, Phila., Pa.
Norfolk Steel & Iron Co. (Ingots, Hammered & Rolled Machinery Steel, Spring, Plow, Die Block, Discs, Tool & Alloy Steel, etc.), Norfolk, O.

McINNES CRUCIBLE TOOL STEEL HAS NO EQUAL

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WRITE FOR BOOK OF TOOL STEELS AND PRICE LIST.

McINNES STEEL CO., Ltd., CORRY, PA.

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Penna. Steel Co. (High Speed Tool, etc.), Girard bldg., Phila., Pa.
Simond Mfg. Co., Steel Dept. (Saw Plate & Sheet), 16th & Western av., Chicago, Ill.
Vulcan Crucible Steel Co. (High Grade Tool & Rolled & Forged Products), Aliquippa, Pa.

*Steel Doors

GENERAL FIREPROOFING CO., Youngstown, O. (See adv index & branch offices, end of book)

Steel (Electrical)

(See Iron & Steel Sheet, Electrical)

Steel Factory Equipment

(See also Specific Article Wanted)

Bernstein Mfg. Co. (Lockers, Material Closets, Shelving, etc.), 3d & Allegheny av, Phila.,
Lyon Metallic Mfg. Co., Aurora, Ill. Pa.
Manufacturing Equipment & Engineering Co. (Sanitary Wash Bowls, Lockers, Soda Kettles, Work Benches, etc.), 209 Washington, Boston, Mass.
Terrell's Equipment Co. (Bins, Shelving, Trucks, Lockers, Barrels, Tote Boxes, etc.), Grand Rapids, Mich.
VAN DORN IRON WORKS CO., 2685 N 79th, Cleveland, O. (See adv. index, end of book)

Steel (File)

Vulcan Crucible Steel Co., Aliquippa, Pa.

*Steel Filing Equipment

(See also Filing Cabinets & Devices)

GENERAL FIREPROOFING CO., Youngstown, O., & 10 E 33d, New York. (See adv. index & branch offices, end of book)

Steel Fire Box Plate

AMERICAN STEEL & WIRE CO., The Rookery, Chicago, Ill. (See adv. index & branch offices, end of book)
Carbon Steel Co. (Open Hearth), Pittsburg, Pa., & 20 Cortlandt, New York
Carnegie Steel Co., Pittsburg, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Colonial Steel Co., Pittsburg, Pa.
Crucible Steel Co. of America, Chicago, Ill.
Illinois Steel Co., 115 Adams, Chicago, Ill
Lucknow Iron & Steel Co., Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth), Coatesville, Pa.
Otis Steel Co. (Open Hearth), Cleveland O.
Republic Iron & Steel Co., Frick bldg Annex, Pittsburg, Pa.
Taylor N. & G. Co., Mariner & Merchants' bldg, Phila., Pa.

Steel Floor Plate

(See Plates, Floor, Iron & Steel)

Steel Forms for Hollow Walls

Monolithic Hollow Wall Co. ("Han's" Adjustable, Collapsible for Monolithic Hollow Walls), Monolithic bldg, New York

*Steel Hardening

McCABE HANGER MFG. CO., 425 W 25th, New York. (See adv. index, end of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Steel (High Carbon)

Bethlehem Steel Co. (Tool, etc.), South Bethlehem, Pa.
Carbon Steel Co., Pittsburg, Pa.
Carnegie Steel Co., Pittsburg, Pa.
Colonial Steel Co., Pittsburg, Pa.
Crucible Steel Co. of America, Pittsburg, Pa.
Eckels-Nye Steel Co., Syracuse, N. Y.
Elyria Iron & Steel Co., Elyria, O.
Halcomb Steel Co., Syracuse, N. Y.
Indiana Rolling Mill Co. (Sheets), New Castle, Ind.
Interstate Iron & Steel Co., 1st Nat'l Bank bldg, Chicago, Ill.
Vulcan Crucible Steel Co., Aliquippa, Pa.

Steel (High Speed)

(Firms marked with a (*) star are either Jobbers or Importers; all others are Manufacturers)

(See also Steel Importers)

Atlas Steel Co. ("Loco," Crucible), Dunkirk, N. Y.
Baldwin Steel Co. (Crucible), 133 Reade, New York
Bethlehem Steel Co. ("Bethlehem," Special Tool), South Bethlehem, Pa.
*Boker, Herman & Co. ("Novo" Imported), 101 Duane, New York
*Bourne-Fuller Co. ("Scott's I X L"), Cleveland, O.
Carpenter Steel Co., Reading, Pa.
Chrome Steel Works, Chrome, N. J.
Colonial Steel Co., Pittsburg, Pa.
Crucible Steel Co. of America ("Rex A"), Pittsburg, Pa.
Cyclops Steel Works, Titusville, Pa.
Firth-Sterling Steel Co. (Blue Chips), McKeesport, Pa.
***FRASSE, PETER A. & CO. ("Poldi"),** 130 Worth, New York. (See adv. index & branch offices, end of book)
Halcomb Steel Co. (Crucible), Syracuse, N. Y.
*Heller Bros. Co. ("Heller's," Alloy High-Speed Tool Steel), Newark, N. J.
*Hobson-Houghton & Co. (Ltd.) ("Albion"), 1 Front, New York
*Houghton & Richards (Jobbers), Boston, Mass.
Illingsworth, Jno. Steel Co., Tacony, Phila., Pa.
Jessop, Wm. & Sons (Ltd) ("Jessop's" Air Hardening), 91 John, New York. Works, Sheffield, England
Johnson, Isaac G. & Co., Spuyten Duyvil, New York, N. Y.
*Jones, B. M. & Co. ("Mushet"), 141 Milk, Boston, Mass.
*Kent, Edwin & Co. ("Allen," Air Hardening), 282 Pearl, New York & Chicago, Ill.
McINNES STEEL CO. (Ltd.) ("McInnes" Extra Air Hardening), Corry, Pa. (See adv. index, end of book)
Midvale Steel Co., Nicetown, Phila., Pa.
*Nash, Geo. & Co. ("Capitol"), 217 Pearl, New York
*Nicholls, Wm. S. (For All Kinds of Cutting Tools), 253 B'way, New York
Pennsylvania Steel Co. (Crucible Tool), Girard bldg, Phila., Pa.
*Phillips, F. R. & Sons Co. ("Velos"), Penna. bldg, Phila., Pa.
*Royal Metal Steel Co. ("Excelsior"), 17 Bridge, New York
*Stauffer, Eshleman & Co. (Ltd.) ("Arrow," Swedish Electro), New Orleans, La
Vulcan Crucible Steel Co., Aliquippa, Pa.
*Ward, E. T. Sons (Jobbers), Boston, Mass.
*Wardlow, S. & S. ("Wardlow"), 278 Pearl, New York
*Wheelock, Lovejoy & Co. (Selling Agents), 23 Cliff, New York, & Boston, Mass.

Steel (Hoop)

(See Iron & Steel Band & Hoop)

Steel (Hot Rolled Strip)

American Tube & Stamping Co. (Hoop & Bar), Bridgeport, Conn.
Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.
Superior Steel Co. (For Stamping & Drawing, etc.), Pittsburg, Pa. Works Carnegie, Pa.
West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Pittsburg, Pa. Works, Leechburg, Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Steel Importers

Boker, Hermann & Co, (The "Jonas & Calver" Tool Steel, Drill Rods, Needle Wire, Hot & Cold Rolled Sheet Steel, Steel for Watch, Clock and Other Springs, Steel & Crucible Wire Rods, etc.), 101 Duane, New York
Brown-Wales Co. (Norway & Refined Iron, Steel Bars, Angles, Tees, Plates, Structures, Material Steel Balls & Mechanical Tubing), 83 Purchase, Boston, Mass.
Coe-Fartoute Co., Newark, N. J.
Dana & Co., 32 B'way, New York
FRASSE, PETER A. & CO. ("Poldi" High Speed, Also Alloy, Carbon & Nickel Steels), 130 Worth, New York. (See adv. index & branch offices, end of book)
Hammacher, Dellus & Co. ("Gysinge," Electro High Grade Tool Steel), 429 Greenwich, New York
Hobson-Houghton & Co. (Tool Steel, Needle Wire, Bright Drill Rods, "Soho" Self-hardening Steel, etc.), 1 Front, New York
Houghton & Richards ("Styrian" Tool Steel & "Low Moor" & "Farnley" Iron), 148 Oliver, Boston, Mass.
Jessop, Wm. & Sons (Ltd.) (Bars, Sheets & Plates, Jessop's Best Carbon Tool Steel & Jessop's "Ark" High Speed Air Hardening Steel), 91 John, New York. Works, Sheffield, England
Jones, B. M. & Co. ("Mushet" High Speed Steel; Special Steel; Extra Best Titanic Steel for Chisels, Taps, Dies, Punches & High Speed Drills), 141 Milk, Boston, Mass.
Kent, E. R. & Co. ("Edgar Allen" Tool Steel, etc.), 282 Pearl, New York, & Chicago, Ill.
LEAVITT, C. W. & CO. (Iron & Steel Bars & Shapes), 30 Church, New York. (See adv. index, end of book)
Milne, A. & Co. (Norway Iron & Steel, Blooms, Billets, Bars, Wire, Rivet & Nail Rods), 30 Church, New York, & Boston, Mass.
Nash, Geo. & Co. ("Capital" High Speed Self-Hardening & Tool Steel), 217 Pearl, New York
Newkirk, Jno. B. & Co. (Structural Shapes, Bars, Sheets, etc.), 1502 Market, Philadelphia, Pa.
Potts, Horace T. & Co. (Bars, Angles, Tees, Slabs, Beams, Channels, Billets, Blooms, Sheet Bars, etc.), 316 N. 3d, Phila., Pa.
Prosser, Thos. & Son (American Office of Fred'k Krupp), 15 Gold, New York
Reisinger, Hugo ("Victoria" Tool Steel), 11 B'way, New York
Stauffer, Eshleman & Co. (Ltd.) ("Arrow" Brand, High Speed, "Crown," Solid Swedish), New Orleans, La.
Wallace, Wm. H. Co., 66 B'way, New York
Wardlow, S. & C. (Tool Steel, Cast & Double Sheet Steel, Cutlery Steel, Steel for Watches & Other Springs, etc.), 278 Pearl, New York
Wheelock, Lovejoy & Co., 23 Cliff, New York

Steel Inspection

Hunt, Rob't W. & Co., The Rookery, Chicago, Ill., & 90 West, New York

Steel (Locomotive Boiler)

Carbon Steel Co., Pittsburg, Pa.
Carnegie Steel Co., Pittsburg, Pa.
Central Iron & Steel Co. (Open-Hearth Steel), Harrisburg, Pa.
Crucible Steel Co. of America, Pittsburg, Pa.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Lukens Iron & Steel Co., Coatesville, Pa.
Worth Bros. Co., Coatesville, Pa.

McInnes "Extra" Air Hardening High Speed Steel

IS THE STEEL FOR TURNING LOCOMOTIVE TIRES OR ANY KIND OF MATERIAL.

WILL FINISH AS WELL AS ROUGH WRITE US.

McINNES STEEL CO., Ltd., CORRY, PA.

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Steel (Magnet)

Atlas Steel Co. ("Atlas" Crucible), Dunkirk, N. Y.

Steel (Manganese)

Taylor Iron & Steel Co., High Bridge, N. J.
United Steel Co. (High-Manganese), Canton, O.

Steel (Marbleized)

Brooklyn Metal Ceiling Co., 283-287 Greene av, Brooklyn, N. Y.

Steel (Metal Wheel)

American Sheet & Tin Plate Co., Frick bldg. Pittsburg, Pa

WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Steel Mine & Mill Buildings (Constructors of)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Steel (Nickel)

Bethlehem Steel Co., South Bethlehem, Pa.
Boker, Herman & Co. (Importers), 101 Duane, New York
Carbon Steel Co., Pittsburg, Pa.
Crucible Steel Company of America (Rerolled, etc.), Pittsburg, Pa.
Damascus Tool Steel Co. (For Tools, Dies, etc.), Pittsburg, Pa.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Midvale Steel Co., Nicetown, Phila., Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

*Steel (Oil Hardening)

McINNES STEEL CO., Ltd. ("Cello"), Corry, Pa. (See adv. index, end of book)

Steel Pipe

(See Pipe & Tube Mills)

Steel Plate

(See Iron & Steel Boiler & Tank Plate; also Steel Fire Box Plate)

Steel Plate Work

Atlantic Works, Boston, Mass.
Aurora Boiler Works (Inc.), Aurora, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Coatesville Boiler Works, Coatesville, Pa.
Columbiana Boiler Co., Columbiana, O.
Connellsville Iron Works, New Haven, Pa.
Connelly, D. Boiler Vo., Cleveland, O.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Druse-Kemper Co., Ambler, Pa.
Duff Patents Co., Frick Bldg., Pittsburg, Pa.
Fem City Boiler Co., Dayton, O.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av., Phila., Pa. (See adv. index & branch offices, end
Hammond Iron Works, Warren, Pa. of book)
Kennicott Water Softening Co., Railway Exchange Bldg., Chicago, Ill.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Lacy Mfg. Co. (Of Any Description), Los Angeles, Cal.
Lake Erie Boiler Works, Buffalo, N. Y.
Lappan, Jas. Mfg. Co., Pittsburg, Pa.
Lyon Boiler & Iron Works, De Pere, Wis.
McNeil, Jas. & Bro. Co., Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Meehan Boiler & Const. Co., Lowellville, O.
MICHELMANN STEEL CONSTRUCtion Co., Quincy, Ill. (See adv. index, end of book)
Munroe, E. & Sons Corp'n, Pittsburg, Pa.
Novelty Steam Boiler Works (Tripplett & Jennings, Prop.s), 917 S Howard, Baltimore, Md.
Odlum-Taylor Boiler Co., Memphis, Tenn.
Ohio Boiler Co., Girard, O.
Oswego Boiler & Engine Co., Oswego, N. Y.
Pennsylvania Engineering Works, New Castle, Pa.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
Petty, J. K. & Co. (Lebanon Boiler Works), Stephen Girard Bldg., Phila., Pa. Works, Lebanon, Pa.
Pollock, Wm. B. Co., Youngstown, O.
Porter Foundry & Machine Co., Pittsburg, Pa.
Riter-Conley Mfg. Co., Pittsburg, Pa.
Roemmell-Dawley Mfg. Co., St. Louis, Mo.
SCAIFE, WM. B. & SONS CO., Pittsburg, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Springfield Boiler & Mfg. Co., Springfield, Ill.
Standard Boiler & Plate Iron Co., Niles, O.
Struthers-Wells Co., Warren, Pa.
Union Iron Works, Hoboken, N. J.
Variety Iron & Steel Works Co., Cleveland, O.
Warren City Tank & Boiler Co., Warren, O.
White, Robt. Engineering Works, ft. of Columbia, Brooklyn, N. Y.

Steel Plates & Heads (Sheared)

(See Boiler Heads, Flanged & Dished)

Steel Plates & Sheets

Allegheny Steel Co., Pittsburg, Pa.
American Tube & Stamping Co., Bridgeport, Conn.
Cleveland Steel Co. (Light Plates & Sheets), Cleveland, O.
Colonial Steel Co. (Crucible & Open Hearth), Pittsburg, Pa.
Crucible Steel Co. of America (Special Quality of Crucible & Open Hearth), Pittsburg, Pa.
Inland Steel Co. (Light Open Hearth), 1st Nat'l Bank bldg., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburg, Pa.
La Belle Iron Works (No. 30 & Heavier), Steubenville, O.
Lukens Iron & Steel Co. (Open Hearth), Coatesville, Pa.
Otis Steel Co. (Open-Hearth Steel Plates), Cleveland, O.
Portsmouth Steel Co. (Light & Heavy Plates & Heavy Sheets), Wheeling, W. Va.
Republic Iron & Steel Co. (Open Hearth, Soft & Hard Merchants), Pittsburg, Pa.
Sligo Iron & Steel Co. (Also Iron 8-Gauge, & Heavier), Connellsville, Pa.
Wood, Alan, Iron & Steel Co. (Iron & Steel Fine & Plate), 519 Arch, Phila., Pa.
Worth Bros. Co. (Iron & Steel), Coatesville, Pa.

Steel (Plow)

(See Steel, Agricultural)

Steel (Powder Keg)

American Sheet & Tin Plate Co., Frick Bldg. Pittsburg, Pa

Steel (Pressed)

(See also Pressed Steel Specialties)

Davis Solid Truss Brake Beam Co., Wilmington, Del.
Globe Machine & Stamping Co., 2868 Hamilton av, Cleveland, O.
Nortman-Duffke Foundry Co. (Also Deep Stamping & Drawn Steel Specialties), Milwaukee, Wis.
Pressed Steel Car Co., Pittsburg, Pa.
Standard Gauge Steel Co. (Cold Pressed Finished Flats, Squares, Rounds, Angles, Channels & Special Shapes), Beaver Falls, Pa.
Waynesburg Pressed Steel Co., Waynesburg, Pa.
WORCESTER PRESSED STEEL CO. (Bearings, Fittings & Specialties), Worcester, Mass. (See adv. index, end of book)

*Steel Products (Cold Pressed)

(See also Steel, Pressed; also Pressed Steel Specialties)

KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)

Steel Rails

(See Rail Mills, Iron & Steel)

Steel (Range Boiler)

American Sheet & Tin Plate Co., Frick Bldg. Pittsburg, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Wood, Alan Iron & Steel Co., 519 Arch, Phila., Pa.

Steel Ribs & Lagging

(See Centering, Steel)

COLD PRESSED STEEL PRODUCTS



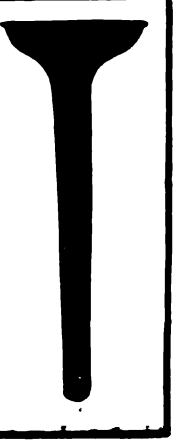
Boxes, Cylinders, Tubes, Irregular Shapes and Contours.

Drawn from Sheet Steel, Copper, Brass.

SEAMLESS

In a wide range of diameters and lengths. Composite forms requiring two or more different thicknesses of stock, drawn and welded or brazed.

Estimates cheerfully submitted on original designs. Plans gladly furnished for adapting pressed steel shapes to take the place of castings or forgings where strength, weight and appearance are particularly desired.



John R. Keim Mills, Inc. - - Buffalo, N. Y.

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Steel Roofing

(See Roofing & Siding, Iron & Steel)

Steel Screw Stock

AMERICAN STEEL & WIRE CO. (Free Cutting), Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Columbia Steel & Shafting Co., Pittsburg, Pa.
Jones & Laughlin Steel Co. (Cold Rolled), Pittsburg, Pa.
Pittsburg Shafting Co. of Detroit (Cold Rolled), Detroit, Mich.
UNION DRAWN STEEL CO. (Cold Drawn), Beaver Falls, Pa., & 460 Washington, New York

Steel (Self-Hardening)

(Firms marked with a (*) Star are either Jobbers or Importers)

Atlas Steel Co. ("Atlas," Crucible Tempering), Dunkirk, N. Y.
Baldwin Steel Co. (Crucible), 133 Reade, New York
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Colonial Steel Co. ("Red Star"), Pittsburg, Pa.
Columbian Tool Steel Co., Chicago Heights, Ill.
Crucible Steel Co. of America, Pittsburg, Pa.
*Denman & Davis, 85 Lafayette, New York
Firth-Sterling Steel Co., McKeesport, Pa.
*FRASSE, PETER & CO. ("Poldi"), 130 Worth, New York. (See adv. index & branch offices, end of book)

Portsmouth Steel Co. (Open Hearth), Wheeling, W. Va., Mills, Portsmouth, O.
Sligo Iron & Steel Co. (Open Hearth), Connellsville, Pa.
Taylor, N. & G. Co. (Open Hearth), Mariner & Merchants bldg, Phila., Pa.

Steel Sheets (Buggy Bow)

American Sheet & Tin Plate Co., Frick bldg, Pittsburg, Pa.
Empire Iron & Steel Co., Niles, O.
Wood, Alan Co., 519 Arch, Phila., Pa.

Steel Sheets for Shovels, Saws, Hoes, Springs, Etc.

American Sheet & Tin Plate Co., Frick bldg, Pittsburg, Pa.
Rowland, Wm. & Harvey, Frankford, Phila., Pa.
Wheeling Steel & Iron Co., Wheeling, W. Va.

Steel Sheets for Stamped Ware

(See Iron & Steel Sheet, Black & Galvanized)

Steel Sheets (Galvanized)

(See Iron & Steel Sheet, Black & Galvanized)

Steel Sheets (Planished & Polished)

American Sheet & Tin Plate Co., Frick bldg,

Lockhart Iron & Steel Co. (In Bars, Hexagons & Grooved, etc.), Pittsburg, Pa.
New Haven Iron & Steel Co. (Open Hearth), New Haven, Conn.
Parkersburg Iron & Steel Co. ("National" Bessemer Sheets Re-Annealed), Parkersburg, W. Va.
Republic Iron & Steel Co. (Open Hearth), Pittsburg, Pa.
Sweet's Steel Co. (Open Hearth), Williams-Ploneer Steel Co., Rockford, Ill. port, Pa.
Union Rolling Mill Co. (Bars, etc.), Cleveland, Ohio
Wood, J. & Bros. Co. (Sheets), Conshohocken, Pa.

Steel (Spring)

American Tube & Stamping Co., Bridgeport, Conn.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Braeburn Steel Co., Braeburn, Pa.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Colonial Steel Co. (Open Hearth & Crucible), Pittsburg, Pa.
Columbia Steel Co. (Cold Rolled), Elyria, O.
Crucible Steel Co. of America (Crucible), Pittsburg, Pa.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Harrow Spring Co. (Milled Bars & Rods), Kalamazoo, Mich.
Midvale Steel Co., Nicetown, Phila., Pa.
Norwalk Steel & Iron Co. (Crucible & Open

STEEL PLATE CONSTRUCTION

TANKS
CHIMNEYS
PENSTOCKS

ERECTED ANYWHERE
WRITE DEPT. H

RIVETED PIPE
STAND PIPES
CYLINDERS

THE CANTON BOILER & ENGINEERING CO.
Canton, Ohio, U. S. A.

ver, Col.
Follansbee Bros. Co. (Basic Open Hearth), Pittsburg, Pa.
Harrisburg Pipe & Pipe Bending Co. (Open Hearth), Harrisburg, Pa.
Job Iron & Steel Co. (Iron & Steel), Ashland, Ky.
La Belle Iron Works (Open Hearth), Steubenville, O.
Lackawanna Steel Co. (Open Hearth, Bessemer), Buffalo, N. Y.
Republic Iron & Steel Co. (Open Hearth), Pittsburg, Pa.
SHARON STEEL HOOP CO. (Open-Hearth), Sharon, Pa. (See adv. index & branch offices, end of book)
Taylor, N. & G. Co. (Light, Open Hearth), Mariner & Merchants' bldg, Phila., Pa.
United Steel Co. (Open Hearth), Canton, O.
Youngstown Steel & Tube Co. (Soft Bessemer; also Iron), Youngstown, O.

Steel Sheet Plates

Massillon Rolling Mill Co., Massillon, O.

Steel Sheets (Aluminum Coated)

Wilder Metal Coating & Mfg. Co. (Also Iron), Connellsville, Pa.

Steel Sheets (Blue Annealed)

La Belle Iron Works (Open-Hearth Steel Plates 3-16 to 18 Gauge), Steubenville, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
National Sheet Steel Co., Mansfield, O.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.

Allegheny
Colonial Steel Co. (Open Hearth & Crucible), Pittsburg, Pa.
Empire Iron & Steel Co., Niles, O.
Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa.
Hartman, Hays & Reis (Iron & Steel), Bellevile, Ill.
Indiana Rolling Mill Co. (High Carbon Sheet Steel for Shovel Plate, Grain Drill & Harrow Discs, etc.), New Castle, Ind.
La Belle Iron Works, Steubenville, O.
Lessig, Geo. B. Co. (Inc.) (Iron Only), Pottstown, Pa.
Wyoming Shovel Works, Wyoming, Pa.

Steel Silver Plates, Etc.

Duplex Metals Co. ("Monnot" Process), 149 B'way, New York

Steel Skelp

(See Iron & Steel Skelp)

Steel Slabs

(See Billets, Blooms & Slabs, Steel)

Steel (Soft)

Columbia Steel & Shafting Co. (Hot & Cold Rolled Strip for Stamping, Drawing, etc.), Pittsburg, Pa. Works, Carnegie, Pa.
Crucible Steel Co. of America ("Diamond," Soft Center Plow, etc.), Pittsburg, Pa.
Elliott-Blair Steel Co. (Bright Dead for Sewing Machine, Typewriter & Bicycle Parts, etc.), New Castle, Pa.
Interstate Iron & Steel Co. (Flats, etc.), 1st Nat'l Bank bldg, Chicago, Ill.

Pa.
Bierce, Wm. W. (Ltd.), Hennen bldg, New Orleans, La.
Blodgett & Clapp Co., 49 Market, Hartford, Conn.
Bourne-Fuller Co., Hickok bldg, Cleveland, O.
BROOKS, T. H. & CO., Cleveland, O. (See adv. index, end of book)
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cincinnati Iron Store Co., Front c Freeman av, Cincinnati, O.
Coe-Faitoute Co., Newark, N. J.
Corlett, J. F. & Co., Rockefeller bldg, Cleveland, O.
Davenport Foundry & Machine Co., Davenport, Iowa
Davies, Jno. J. & Co., 20th & Clearfield, Phila., Pa.
De Cou, Richard, 12th & Noble, Phila., Pa.
Eichley, John, Jr., Co., 21st & Wharton, Pittsburg, Pa.
FOREST CITY STEEL & IRON CO., Cleveland, O. (See adv. index, end of book)
Froment & Co., West & Bank, New York
Girvin & Eyre, San Francisco, Cal.
Globe Rolling Mill Co., Cincinnati, O.
HALSTED, JOS. CO., 388 W Randolph, Chicago, Ill. (See adv. index, end of book)
Harrington, Robinson & Co., Boston, Mass.
Hawkins, F. B. Co., Long Island City, N. Y.
Hitner's, Henry A. Sons Co., Huntington & Aramingo av, Phila., Pa.
Hoffman, R. C. & Co., Baltimore, Md.
Hofius, W. D. & Co. (Iron, Steel, Locomotive, etc.), Seattle, Wash.
Houston, C. B. & Co., Girard bldg, Phila., Pa.
Houdlette, Fred A. & Son, Boston, Mass.
Jackson, Ged. W. (Inc.), 169 W Jackson blvd., Chicago, Ill., & 40 Wall, New York

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Judson Mfg. Co., San Francisco, Cal.
Klemp, Wm. F. & Co., 138 Washington, Chicago, Ill.
KRATZER, W. N. & CO., 3218 Smallman, Pittsburg, Pa. (See adv. index, end of book)
Lindsay, James G. & Co., Arcade bldg, Phila.,
Lindsay, W. W. & Co., Harrison bldg, Philadelphia, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Mesker, Geo. L. Co., Evansville, Ind.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moffat, F. D. & Co., 81 Fulton, New York
Moore, Edgar M. & Co. Farmers' Bank bldg,
Morris, Wheeler & Co., 1008 Market, Phila., Pa.
Newkirk, John B. & Co., 1502 Market, Phila., Pa.
Nicholas Wire Co., Kansas City, Mo.
Noble Electric Steel Co., San Francisco, Cal.
Ogden & Wallace, 577 Greenwich, New York
Prince Iron Works, 555 W 33rd, New York
Pilling & Crane, Real Estate Trust bldg, Phila., Pa., & Farmers' Bank bldg, Pittsburg, Pa.
RIESECK, P (All Kinds, from Stock), Allegheny & Rebecca, Pittsburg, Pa. (See adv. index, end of book)
Ring, Chas. E. & Co., 88 S 8th, Brooklyn, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Ryerson, Jos. T. & Son (Steel), 16th & Rockwell, Chicago, Ill.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
Schwartz Foundry Co., Ltd., 451 Howard av, New Orleans, La.
Scully Steel & Iron Co., 138 Fulton, Chicago, Ill.
Southern Foundry Co. (Beams Cut & Punched), Owensboro, Ky.
Spencer, Geo. G., 2 Sherman, Chicago, Ill.
Speddy, T. H., 23 Davis, San Francisco, Cal.
Thomson, W. H. & Co., Land Title bldg, Phila., Pa.
UNION FOUNDRY WORKS, First National Bank bldg, Chicago, Ill. (See adv. index, end of book)
Wehr, H. & Co., Pratt & President, Baltimore, Md
WORDEN-ALLEN CO., P. O. Box 528, Milwaukee, Wis. (See adv. index & branch offices, end of book)

Steel Structural Mills

(*Indicates Mills that Fit Structural Work: †Indicates Mills that Roll I Beams)

*†American Bridge Co. (Open Hearth Steel Angles, Beams, Deck Beams, Channels, Tees, Zees, etc.), Pittsburg, Pa.
American Tube & Stamping Co. (Small Steel Angles, Channels, Tees, etc.), Bridgeport, Conn.
†Bethlehem Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees & Special Wide Flanged Rolled Beams & Girders), South Bethlehem, Pa.
Boonton Iron & Steel Co. (Iron Angles Only), Boonton, N. J.
Buffalo Steel Co. (Bessemer Steel Angles, Channels, Tees, etc.), Tonawanda, N. Y.
Calumet Steel Co. (Bessemer Steel Angles, Channels, Tees, etc.), Commercial Bank bldg., Chicago, Ill. Works, Washington Heights, Ill.
*†Cambria Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Girders, Channels, Tees, etc.), Arcade bldg., Phila., Pa.
*†Carnegie Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Girders, Channels, Tees, Zees, etc.), Pittsburg, Pa.
Central Iron & Steel Co. (Universal Bridge & Structural Plates), Harrisburg, Pa.
Chrome Steel Works (Chrome Steel Angles 3, 4, 6 & 8 Inch), Chrome, N. J.
Colorado Fuel & Iron Co. (Iron & Steel Structural & Other Shapes), Denver, Colo.
Damascus Tool Steel Co. (Steel Angles, Ell Bars, etc.), Pittsburg, Pa.
Davis Bros. (Small Even Leg Iron Angles, 12 to Inch), N. 29th & Bristol, Phila., Pa.
Dempsey, M. J. Standard Rolling Mill (Iron Angles Only), 40th & 11th av., New York
*†Eastern Steel Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc.), Pottsville, Pa.
Glasgow Iron Co. (Iron & Steel Bridge Plates), Pottstown, Pa.
Hollidaysburg Iron & Nail Co. (Channel Iron Only), Hollidaysburg, Pa.
Hirsch Rolling Mill Co. (Iron & Steel Angles & Shapes), St. Louis, Mo.
*Indiana Steel Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc.), Commercial Bank bldg., Chicago, Ill.
*†Illinois Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Channels, Tees, etc.), Commercial Bank bldg., Chicago, Ill.
*Indiana Steel Co. (Open Hearth), Commercial Bank bldg., Chicago, Ill. Mills, Gary, Ind.
*Inland Steel Co. (Open Hearth Steel Angles, I Beams, Channels, Tees, etc.), 1st Nat. Bank bldg., Chicago, Ill.
Interstate Iron & Steel Co. (High Carbon Steel & Iron & Soft Steel Angles, Channels, Tees, etc.), 1st Nat'l Bank bldg, Chicago, Ill. Works, Cambridge, O.
Joliet Iron Products Co. (Angle Iron & Shapes), Joliet, Ill.
*†Jones & Laughlin Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees, etc.), Pittsburg, Pa.
Judson Mfg. Co. (Structural & Agricultural Shapes), San Francisco, Cal.
Knoxville Iron Co. (Light Sections of Angle & Channel Iron), Knoxville, Tenn
*†Lackawanna Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees, etc.), Buffalo, N. Y.
Licking Rolling Mill Co. (Iron Angles & Tees & Charcoal Angles & Tee Iron), Covington, Ky.
Lockhart Iron & Steel Co. (Bridge Iron & Iron & Steel Angles), Pittsburg, Pa.
Logan Iron & Steel Co. (Bridge Iron & Angles), Burnham, Pa.
Lucknow Iron & Steel Co. (Iron & Steel Bridge Plates & Angle Iron), Harrisburg, Pa.
Lukens Iron & Steel Co. (Open Hearth Steel Ship & Bridge Plate), Coatesville, Pa
New Haven Iron & Steel Co. (Small Channels ¾ to ⅛ inches and one inch wide), New Haven, Conn.
Ohio Falls Iron Co. (Iron Square Root Angles for Safe Mfrs.), New Albany, Ind.
Old Dominion Iron & Nail Works (Bridge Iron), Richmond, Va.
Penna. Brake Beam Co. (Deck & I Beams, Brake Beams, etc.), Danville, Pa.
*†Penna. Steel Co. (Bessemer & Open Hearth Steel Angles, Channels, Tees, etc.), Girard bldg., Phila., Pa. Works, Steelton, Pa.
Penn Iron Co. (Iron for Bridge Work), Lancaster, Pa.
*†Phoenix Iron Co. (Open Hearth Steel Angles, Beams, Channels, Tees, Bridge Plates, etc.), 410 Walnut, Phila., Pa. Works, Phoenixville, Pa.
Reading Iron Co. (Angle Iron & Iron & Steel Angle Bars), Reading, Pa.
Republic Iron & Steel Co. (Light Iron Angles & Channels; also Open Hearth Steel Angles), Pittsburg, Pa.
Slatington Iron Co. (Angle Iron Only), Slatington, Pa.
†Southern Pacific Co. (Angle Iron, I Beams etc.), Sacramento, Cal.
Sweet's Steel Co. (Open Hearth Steel Angles & Channels), Williamsport, Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Steel Angles, Channels, Tees, etc.), Birmingham, Ala.
Tredegar Co. (Bridge Iron), Richmond, Va.
Union Rolling Mill Co. (Bridge Iron), Cleveland, O.
Worth Bros. Co. (Steel Plates for Structural & Tank Work), Coatesville, Pa.

Steel Structural Shapes (Mfrs.)

(See Steel Structural Mills)

Steel Structural Work

(Star (*) Indicates Firms who also Build Steel Bridges)

ALABAMA.

BIRMINGHAM—*Southern Bridge Co.
MOBILE—*Bailey Iron Works
NEW DECATUR—North Alabama Engin'g Co.

CALIFORNIA.

FRESNO—Burnett, J. H. Iron Works
LOS ANGELES—Mercereau, J. D.
OAKLAND—*Burrell Construction Co.
*Cotton Bros. & Co.
SAN FRANCISCO—*Atlantic Gulf & Pacific
*American Bridge Co., Crocker bldg Co.
*Bay City Iron Works, 1243 Harrison
*Berkeley Steel Co., 628 Montgomery
Brode & Clark Iron Works, 621 Howard
California Artistic Metal & Wire Co., 839 Mission
Central Iron Works
*Clinton Bridge & Iron Works, Crocker Bldg.,
Dyer Bros., 17th & Kansas 349 7th
*Healy-Tibbitts Construction Co., 628 Market
*Hyde-Harjes & Co., 13 Stewart
Jackson, P. H. & Co., 228 1st
Judson Mfg. Co., 819 Folsom
*Merry-Elwell Co., 13 Stewart
*Pacific Construction Co., 17 Spear
Pacific Structural Iron Works
*San Francisco Bridge Co., Monadnock Blk
*SCHREIBER, L. & SONS CO. (See adv. index, end of book)
*Thomson Bridge Co., 108 Main
Western Iron Works, 123 Beale
Woods & Huddart

COLORADO.

COLORADO SPRINGS—Hassell Iron W'k's Co.
DENVER—*American Bridge Co.
Browne, Frank O., 1414 Glenarm
Denver Engineering Works Co.
Pioneer Iron & Wire Works, 1433 Market
*SCHREIBER, L. & SONS CO. (See adv. index, end of book)
*Vulcan Iron Works Co., 1715 Blake
White Bros. Mfg. Co.
PUEBLO—*Pueblo Bridge Co.

CONNECTICUT.

BERLIN—*Berlin Construction Co.
BRIDGEPORT—Bridgeport Boiler Works Co.
Pacific Iron Works (Inc.)
EAST BERLIN—*American Bridge Co.
NEW HAVEN—Waas, Jules
*Yale Safe & Iron Co.
NEW LONDON—*Scott, T. A. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 618 11th N W
*Brown-Ketcham Iron Works, Colorado bldg
Jorss, A. F., 815 13th, N W
Schneider, C. A. Sons, 212 12th, N W
*SCHREIBER, L. & SONS CO. (See adv. index, end of book)

FLORIDA.

JACKSONVILLE—Richardson, H. H. & Co.

GEORGIA.

ATLANTA—*American Bridge Co.
Atlanta Machine Works
Atlanta Structural Steel Co.
Gude & Walker
*SCHREIBER, L. & SONS CO. (See adv. index, end of book)
*Virginia Bridge & Iron Co.
Wilkins, Grant
AUGUSTA—*Lombard Iron Works & Supply Co.
NEWNAN—*Cole, R. D. Mfg. Co.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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ILLINOIS.

AURORA—*Love Bros. (Inc.).
CHICAGO—*American Bridge Co., Commercial Bank Bldg.
Bolter's, A. Sons, 84 La Salle
Brandes, Carl, 1033 Otto
Bryan, E. A. Co., First National Bank bldg
*Chicago Bridge & Iron Works (Horace E. Horton, Prop.), Throop & W 105th
Chicago Iron & Steel Works, 70 N Jefferson
CHICAGO SIDEWALK LIGHT CO., 103 Reaper Block. (See adv. index, end of book)
*Continental Bridge Co., Monadnock Blk
Dauchy Iron Works, 88 Illinois
Dearborn Foundry Co., 1525 Dearborn
Globe Iron Works, 31 Indiana
HALSTED, JOSEPH, CO., 388 W Randolph. (See adv. index, end of book)
Hansell-Elcock Co., 251 23d pl
Heinemann, Louis, 819 Melrose
Holmes, Pyott & Co., 13 N Jefferson
*Illinois Bridge Co., Monadnock blk
*Illinois Steel Co., 115 Adams
*Jackson, Geo. W., 169 W. Jackson boul
*Jennet Bridge & Iron Works, 3541 Shields av
*Joliet Bridge & Iron Co., 109 Randolph
Kelly-Atkinson Construction Co., 188 Madison
*Kenwood Bridge Co., 1st Nat'l Bank Bldg
Larson, O., 300 W. Erie
*McClintic-Marshall Construction Co., 1st Nat'l Bank bldg
*Milwaukee Bridge Co., 164 Dearborn
*Morava Construction Co., 188 Madison
*Phoenix Bridge Co., The Rookery
*Scherzer Rolling Lift Bridge Co. (Rolling Lift Bridges), 1616 Monadnock blk
Roemheld Construction Co., Security Bldg.
***SCHREIBER, L. & SONS CO.** (See adv. index, end of book)
SMITH, F. P. WIRE & IRON Works, 100 Lake. (See adv. index, end of book)
Standard Construction Co., 164 Dearborn
STEWART, JAS. & CO. (Mills & Railway Depots), Fisher bldg
*Strauss Bascule & Concrete Bridge Co., Fort Dearborn Bldg
***STROBEL STEEL CONSTRUCTION** Co., Monadnock blk
UNION FOUNDRY WORKS, First National Bank bldg. (See adv. index, end of book)
Variety Mfg. Co. (Light Work for Building), Sacramento & Carroll av
Vierling, McDowell & Co., 23d & Stewart av
*Wisconsin Bridge & Iron Co., Monadnock blk
WORDEN - ALLEN CO., 948 Commercial National Bk. Bldg
DECATUR—*Decatur Bridge Co.
EAST ST. LOUIS—National Iron Works
JACKSONVILLE—*Illinois Steel Bridge Co.
JOLIET—*Joliet Bridge & Iron Co.
PEORIA—*Lucas, A. & Sons
PRINCETON—McManis & Son
QUINCY—***MICHELMANN STEEL CONSTRUCTION** Co. (See adv. index, end of book)
SPRINGFIELD—*Springfield Bridge & Iron Co.

INDIANA.

ANDERSON—*Anderson Bridge & Scraper Co.
ATTICA—*Attica Bridge Co.
COLUMBUS—*Caldwell & Drake Iron Works
ELKHART—*Elkhart Bridge & Iron Co.
EVANSVILLE—Mesker, Geo. L. & Co.
FORT WAYNE—Kerr-Murray Mfg. Co. (Gas
FRANKFORT—*Ross, John A. House, etc.)
INDIANAPOLIS — *Brown - Ketcham Iron Works (Bridges, Buildings & Viaducts), 2549 W Michigan
*Central States Bridge Co.
*Indianapolis Bridge & Iron Works, 8 W Market
Noelke-Richards Iron Works, 180 E Palmer
Parkhurst Mfg. Co., 218 Kentucky av
LAFAYETTE—*Lafayette Engineering Co.
Wallace Machine & Foundry Co. (Also
MUNCIE—*Indiana Bridge Co. Castings)
NEW CASTLE—*Pan-American Bridge Co.
PARIS—Paris Bridge Co.
SOUTH BEND—South Bend Foundry Co.
TERRE HAUTE—*Parker, Thatcher
VINCENNES—*Vincennes Bridge Co.
WINAMAC—*Winamac Bridge Co.

IOWA.

CEDAR RAPIDS—Carmody, J. T.
CLINTON—*Clinton Bridge & Iron Works
COUNCIL BLUFFS—*Wise, G. C. & Co.
DAVENPORT—Davenport Foundry & Machine Co.
DES MOINES—*Des Moines Bridge & Iron Co.
*Des Moines Mfg. & Supply Co., 101 E Court av
*Iowa Bridge Co., Crocker blg
*King, G. M. Construction Co.
Magden & Sheeley, Clapp blk
*Marsh Bridge Co.
*Stark, N. M. & Co.
DUBUQUE—Dubuque Boat & Boiler Works
Voggenthaler, E. J. Co.
MARSHALLTOWN—Shorthill, A. E. Co.
MUSCATINE—Niver Iron Works Co.
OSKALOOSA—*Seevers Mfg. Co.

KANSAS.

LEAVENWORTH—*Missouri Valley Bridge & Iron Co.
TOPEKA—Capitol Iron Works Co.
*Topeka Bridge & Iron Co.
WICHITA—Wichita Construction Co.

KENTUCKY.

LOUISVILLE—Grainger & Co. (Inc.).
*Louisville Bridge & Iron Co.
National Foundry & Machine Co.
*Snead Architectural Iron Works.

LOUISIANA.

NEW ORLEANS—*American Bridge Co., Hennen bldg
Bedell Structural Steel & Foundry Co., Magnolia, Erato & Clase
*Bierce, Wm. W. (Ltd.), Hennen bldg
***SCHREIBER, L. & SONS CO.** (See adv. index, end of book)
STEWART, JAS. & CO. (Mills & Railway Depots), Hibernia Bank bldg
Sutton's Foundry & Structural Steel Works, 714 Magazine

MAINE.

BANGOR—Union Iron Works
PORTLAND—Fletcher & Crowell Co.
Megquier & Jones Co.

MARYLAND.

BALTIMORE—*American Bridge Co., Continental Trust bldg
Armstrong & Parker, 361 North
Baltimore Foundry Co.
*Baltimore Bridge Co., Bush & B. & O. R.R.
*Bartlett, Hayward & Co., Continental bldg
Chesapeake Iron Works, Bush & B. & O.R.R.
Dietrich Bros., 344 North
*Lauer & Harper Co. (Inc.), Westport
Phoenix Iron Co., Continental bldg

MASSACHUSETTS.

BOSTON—*American Bridge Co., 89 State
*Berlin Construction Co., 131 State
*Boston Bridge Works, 47 Winter
*Brown-Ketcham Iron Works (Bridges, Buildings & Viaducts), 166 Devonshire
Chelmsford Foundry Co., 159 Devonshire
Eastman, Pease & Co., 12 Pearl
Ford Steel Column Co., 176 Federal
Ham, L. M. & Co., 152 Portland
Harrington, Robinson & Co., 272 Franklin
*New England Structural Co., 110 State
*Penna. Steel Co., 70 Kilby
*Smith, G. W. & F. Iron Co., Gerard & Island, Rox.
Smith & Lovett Co., 125 Albany
EVERETT—*New England Structural Co.
SPRINGFIELD—*Hawkins, R. F. Iron Works
*Springfield Construction Co.
Springfield Foundry Co.
Springfield Iron Works
*Walsh Boiler & Iron Works
WORCESTER—*Eastern Bridge & Structural Co.

MICHIGAN.

BAY CITY — **MacKINNON BOILER & Machine Co.** (See adv. index, end of book)
DETROIT—*American Bridge Co.
Lewis, Henry B., 45 Jos. Campau av
Rohns, Albert & Co., 193 Cass
RUSSEL WHEEL & FOUNDRY Co. (See adv. index, end of book)
*Whitehead & Kales Iron Works
GRAND RAPIDS—*Grand Rapids Bridge Co.
KALAMAZOO—Kalamazoo Foundry & Machine Co.
LANSING—Jarvis Engine & Machine Works
PORT HURON—*Port Huron Bridge & Iron Co.
*Jenks & Dresser

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HIGHWAY BRIDGES
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MINNESOTA.

ALBERT LEA—Vennes, J. W.
MINNEAPOLIS—*American Bridge Co.
Avery Steel & Iron Co., Security Bank
Crown Iron Works Co.
*Hewett Bridge Co.
*Hewett, W. S. & Co.
*MINNEAPOLIS STEEL & MACHINery Co. (See adv. index, end of book)
Northwestern Foundry (Inc.)
*Security Bridge Co.
MOORHEAD—*Northwestern Bridge Co.
ST. PAUL—*Herzog Iron Works
*ST. PAUL FOUNDRY CO., Como av & Mackubin. (See adv. index, end of book)

MISSOURI.

CAMERON—*Dildine Bridge & Iron Co.
JOPLIN—Bartlett Steel Co.
KANSAS CITY—*American Bridge Co., Postal
*Blodgett, A. M., Thayer bldg Tel bldg
*Hoover, J. W., N. Y. Life bldg
*Interstate Bridge Co., Williamson blk
*Kansas City Bridge Co.
ST. LOUIS—Abbott-Gamble Constructing Co.
*American Bridge Co., Chemical Bldg.
*Banner Iron Works, Shaw av & Oak Hill Ry
Booneville Railroad Bridge Co., 105 N 7th
Brown-Ketcham Iron Works, 721 Olive
Christopher & Simpson Architectural Iron & Foundry Co., 811 Park av
Geisel Construction Co., 620 Chestnut
Griffiths Iron Works Co., 811 N 10th
*Joliet Bridge & Iron Co., Roe bldg
*King Bridge Co., 308 N 6th
Koken Iron Works, Old Manchester rd, nr Chouteau av
McClintic-Marshall Construction Co., Missouri Trust Bldg.
Mesker & Bro., 421 S 6th
*Missouri Bridge & Iron Co., Koken bldg
*St. Louis Bridge & Iron Co., 210 Olive
*SCHREIBER, L. & SONS CO. (See adv. index, end of book)
*STEWART, JAS. & CO. (Mills & Railway Depts), New Nat'l Bank of Commerce bldg
*Stupp Bros. Bridge & Iron Co., 906 Olive
Union Iron & Foundry Co., 1452 S 2d
Victor Iron Works, 2417 S 7th

NEBRASKA.

FALLS CITY—*Gilligan Bridge Co.
LINCOLN—*Smith, R. L. Machine Works
*Smith, R. L. Machine Works
Westover, J.
OMAHA—*Standard Bridge Co.

NEW JERSEY.

BOONTON—Boonton Iron & Steel Co.
CAMDEN—MERRITT & CO., 94 Arch. (See adv. index, end of book)
JERSEY CITY—Hamill, Alex., 426 Montgomery
Schalkenbach & Budke, 402 Claremont av
SNEAD & CO. IRON WORKS, ft. of Pine. (See adv. index, end of book)
MANASQUAN—*New Jersey Bridge Co.
NEWARK—Calumet Iron Works
Goeller Iron Works (Inc.), 394 Frelinghuysen av
Hay Foundry & Iron Works, 9 Plumb
Point la
Hedden Iron Construction Co., 20 Clinton
Lienau's, C. C. Sons Co.
WALSH'S SONS & CO. (I Beams, etc.), Newark, N. J. (See adv. index, end of book)
PASSAIC—*Union Building & Construction Co
PATERSON—*Bogert-Carlough Co.
PHILLIPSBURG—*Tippet & Wood
TRENTON—*American Bridge Co.

NEW YORK.

ALBANY—*Canton Bridge Co.
McKinney, J. & Son
BUFFALO—*American Bridge Co.
*Buffalo Structural Steel Co.
Ernst's, Chas. F. Sons' Iron Works, 65 La-
Harrower, H. C. Co., 35 Court throp
Kellogg Iron Works, Mutual Life bldg
Washington Iron Works, 419 Pratt
Wurtz & Son, 23 Lloyd
ELMIRA—*American Bridge Co.
FRANKFORD—*Acme Road Machinery Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—CHILD, W. C. W., 355 Kingsland av. (See adv. index, end of book)
Eagle Iron Works, 852 De Kalb av
*Empire Bridge Co., Clay & Provost
Felgenhauer's, E. Sons, 782 Wythe av
Hecla Iron Works, 118 N 11th
Pirkl, John Iron Works (Inc.), 240 N 10th
Whale Creek Iron Works, Calyer near Whale Creek Canal

Boroughs of Manhattan & Bronx.

NEW YORK—*American Bridge Co., 30 Church
*American Structural Steel Co. (of Pittsburg, Pa.), 533 W. 32d
*Atlantic Gulf & Pacific Co., Park Row bldg
Bartlett, Hayward & Co., 100 B'way
Belmont Iron Works, 116 Nassau
*Berlin Construction Co., 220 B'way
*Brown-Ketcham Iron Works (Bridges, Buildings & Viaducts), 1170 B'way
CHILD, W. C. W., 1 Madison av. (See adv. index, end of book)
*Cooper Iron Works (John Cooper, Prop.), 1 Madison av.
Cornell, J. B. & J. M. Co., 26th & 11th av.
Daniels, Oscar Co., 15 Park row
*Dean, Schwiers & Sutton Co., 136 Liberty
Empire Eng. Corporation, 71 B'way
*Fort Pitt Bridge Works, 45 B'way. Works, Canonsburg, Pa.
*G. & W. MFG. CO., 26 Cortlandt. (See adv. index, end of book)
General Supply & Construction Co., 43 W. 34th
*Guiler-Gordon Engineering Co., Produce Ex-
Hamilton & Chambers, 29 B'way change
Hay Foundry & Iron Works, 114 E. 28th
*Hinkle Iron Co., 534 W 56th
Hood, R. H. Co., 299 B'way
*Johnson-Hooker Co., 1170 B'way
*King Bridge Co., 277 B'way
Lawler, Hugh J., 1959 Park av.
*Levering & Garigues (Engineers & Contractors), 552 W 23d
Lewinson & Co. (Engineers & Contractors), 128 W 42d
*McClintic-Marshall Construction Co., 15 Park row. Works: Pottstown, Pa.
*Marcus, Mason & Co., Produce Exchange
Miller, S. Fisher, 29 B'way
Murray Hill Iron Works Co., 214 E 37th
*National Bridge Works, 1123 B'way
*New Jersey Bridge Co., Flatiron bldg
Norton, Alfred E. Co., 514 E. 23d
*Penna. Steel Co., 71 B'way.
*Phoenix Bridge Co., 45 William
Pierson & Co., 29 B'way
Post & McCord (Inc.), 44 E 23d
*Prince Iron Works, 555 W 23d
*Riter-Conley Mfg. Co., 111 B'way
*SCHREIBER, L. & SONS CO., 1133 B'way. (See adv. index, end of book)
*Snare & Triest Co., 143 Liberty
STEWART, JAS. & CO. (Mills & Railway Depots), 125 B'way
*Terry & Tench Co., 131st & Lex. av.
Wills & Marvin, 1170 B'way

Borough of Queens.

LONG ISLAND CITY—Hawkins Iron Construction Co., 66 Fulton av
Just, Geo. A. Co., 239 Vernon av
MASPETH—Richey, Browne & Donald.

Borough of Richmond.

WEST NEW BRIGHTON—Millikes Bros.

(End of New York City)

OWEGO—*Owego Bridge Co.
PAINTED POST—*Lane Bridge Co.
ROCHESTER—Heughes, F. L. & Co., 28 South av
SYRACUSE—*Archbold-Brady Co.
Smith & Caffrey Co., Props. (Phoenix-Porter Foundry), Syracuse, N. Y.
*Syracuse Bridge Co.
TROY—Mahony Mfg. Co.
West Side Structural Co., Watervliet.

NORTH DAKOTA.

FARGO—*Fargo Bridge & Iron Co.

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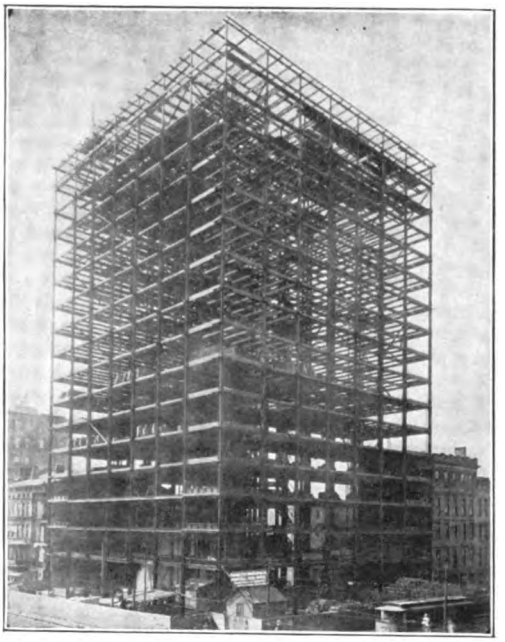
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THE PICTURES shown above need no commentary, they tell their own story clearly. The two illustrations in the upper left and right hand corners show "WHAT WE DO" in Architectural and Structural Iron Work and in Steel Skeleton Buildings for mining and manufacturing purposes. The two lower left and right hand illustrations show the well known Twin City Corliss Engine and the Muenzel Gas Engine and Suction Gas Producer. The central illustration gives a good idea of our plant which covers 18 acres of ground.

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IRON & STEEL CELL WORK.

IRON FENCES AND IRON RAILINGS.

STEEL FIREPROOF WINDOWS AND DOORS.

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OHIO.

AKRON—*Burger Iron Co.
ALLIANCE—REEVES BROS. CO. (Steel Buildings, Foundries & Factories). (See adv. index, end of book)
BEDFORD—*Interstate Engineering Co.
BELLEFONTAINE—*Bellefontaine Bridge &
CANTON—*American Bridge Co. Steel Co.
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CANTON FOUNDRY & MACHINE CO. (See adv. index, end of book)
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FINDLAY—Adams Bros. Co.
GIRARD—Ohio Boiler Co.
HAMILTON — MYERS, FRED. J. MFG. Co. (See adv. index, end of book)
KENTON—CHAMPION IRON CO. (See adv. index, end of book)
LEBANON—*Oregonia Bridge Co.
East Iron & Machine Co
LOWELLVILLE—Meehan Boiler & Construction Co.
MANSFIELD—Schnitzer, F. F. & Son
MARTIN'S FERRY—*Riverside Bridge Co.
MASSILLON—*Massillon Bridge & Structural Co.
MOUNT VERNON—*Mount Vernon Bridge Co.
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Donovan Wire & Iron Co.
Globe Boiler Works
*Toledo-Massillon Bridge Co.
Toledo Wire & Iron Works
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YOUNGSTOWN—*American Bridge Co.
Pollock, W. B. Co.

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*Pacific Bridge Co.
*Pacific Iron Works
*Phoenix Iron Works, Hawthorne av c
*Williamette Iron & Steel Works E 3d

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BLOOMSBURG—Harman & Hassert
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Cantrell & Co., 112 S. 4th
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*Phoenix Bridge Co., 410 Walnut
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*Shoemaker, Lewis F. & Co., Harrison bldg
*Snyder & Co., Harrison bldg
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Lowell Wrench Co. (Ratchet Die Stocks), Worcester, Mass.
MORSE TWIST DRILL & MACHINE Co. (Screw Plates & Dies), New Bedford, Mass. (See adv. index, end of book)
Nye Tool & Machine Works ("Nye" Die Stocks), 17 S Jefferson, Chicago, Ill.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oster Mfg. Co. (Ratchet, Stock & Die), 2057 E 61st Pl, Cleveland, O.
Pancoast, Hy. B. & Co. (Pipe Threading, etc.), 243 S 3d, Philadelphia, Pa.
PATTERSON, GOTTFRIED & HUNter (Ltd.) (Pipe Threading, etc.), 211 Center, New York
Polk, A. J. & Son (Pipe), Millersburg, Pa.
Pratt & Whitney ("Whitney" Ratchet Drill Stock), Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Reed Mfg. Co. (Adjustable & Solid), Erie, Pa.
Robbins, Gamwell & Co. (Die Stocks), Pittsfield, Mass.
Saunders, D. Sons (Pipe Threading, etc.), Yonkers, N. Y.
SMART, A. J. MFG. CO. ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Standard Engineering Co. (Hand), Ellwood
Standard Tool Co., Cleveland, O City, Pa.
Walworth Mfg. Co. ("Hall," Pipe Threading, etc.), 132 Federal, Boston, Mass.
WELLS BROS. CO., ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wells, F. E. & Son Co. ("Economy" Pipe Threading), Greenfield, Mass.
Wiley & Russell Mfg. Co. ("Lightning," "Green River"), Greenfield, Mass.
Winter Bros. Co. (Die Stocks), Wrentham, Mass.

Stone (Artificial Building)

(See also Blocks, Hollow Concrete Building)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Buffalo Litholite Co., Buffalo, N. Y.
Cleveland Concrete Building Block Co. (Building Blocks), Cleveland, O.
Durolithic Co., Builders' Exchange bldg., Buffalo, N. Y.
Eilbacher, Chas., 32 4th, Elizabeth, N. J.
Flatley Bros. & Co., Green Bay, Wis.
Lehman, Chas. Co., 551 W 120th, New York
McCarrel Compo Stone Co., Jacksonville, Fla.
Miracle Pressed Stone Co., Sioux Falls, S. Dak.
New England Stone Co. (For All Purposes), 447 Grand av, New Haven, Conn.
Onondago Litholite Co., Syracuse, N. Y.
Palmer, Harmon S. Hollow Concrete Building Block Co., Washington, D. C
Standard Building Construction Co., Fulton bldg, Pittsburg, Pa.
Standard Concrete Mfg. Co., 260 Clarkson, Brooklyn, N. Y.
Wichita Hydraulic Stone & Brick Co., Wichita, Kan.

Stone Breakers

(See Rock & Ore Crushers)

*Stone (Bridge)

BEDFORD QUARRIES CO., 204 Dearborn, Chicago, Ill. (See adv. front cover)
OHIO QUARRIES CO., 818 Euclid av, Cleveland, O.

Stone Crabs (Hook & Chain)

(See Crabs, Hoisting)

Stone (Crushed)

(See also Trap Rock; also Granite Producers, Workers, Etc.; also Stone Producers, Workers, Etc.; also Stone Screenings)

ARKANSAS.

LITTLE ROCK—Big Rock Stone & Construction Co.
Twen Cen Granite Co. (Granite)

CALIFORNIA.

COLTON—California Portland Cement Co. (Limestone)
LOS ANGELES—California Portland Cement Co. (Limestone)
SAN FRANCISCO—Gray Bros. Crushed Rock Co. (Trap Rock)
Western Building Material Co.

CONNECTICUT.

ANSONIA—Ansonia Trap Rock Co.
BRIDGEPORT—Burns Co.
Pierce, B. D., Jr. (Trap Rock, etc.), 122 Bank
HARTFORD—Keenan, D. F. (Trap Rock)
MERIDEN—Connecticut Trap Rock Quarries
Lane Quarry Co.
NEW BRITAIN—Cadwell, Chas. B.
NEW HAVEN—Blake, Theo A.
Blakeslee, C. W. & Sons
Connecticut Concrete Co.
Connecticut Trap Rock Quarries (Trap Rock)
NORWICH—Torrance, Archibald
PLAINVILLE—Cook Stone & Ice Co.

DELAWARE.

WILMINGTON—Stewart & Donohue
Warren, Chas. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Smith, Chas. G. & Son, 1215 K, N V

GEORGIA.

ATLANTA—Johnson, D. W.
AUGUSTA—Lithonia Crushed Stone Co.
LITHONIA—Granite City Crushed Stone Co.
TALONA—North Georgia Marble Co.

ILLINOIS.

ALTON—Armstrong, Jno. Lime & Quarry Co. (Limestone)
CHICAGO—American Crushed Stone Co. (& Granite), 2 Webster av
American Granite Co. (Granite), 126 Wash'n
Artesian Stone & Lime Works Co., Grand & N Campbell av
Brownell Improvement Co. (Limestone, also Concrete Stone), Cham. of Com. bldg
Chicago Contractors' Supply Co., Cham of Commerce bldg
Chicago Crushed Stone Co., 108 La Salle
Chicago Union Lime Works Co., W 19th & S Lincoln
Dolese Bros. Co. (Limestone), 78 La Salle, Chicago, Ill.
Dolese & Shepherd Co. (& Granite), 134 La Salle
Illinois Stone Co., Lumber & W 22d
La Grange Stone Co., Old Colony bldg
Lake Shore Sand Co. (Gravel), 138 Wash'n
Montgomery, F. M., 108 La Salle
O'Laughlin, J. & A. C., 172 Wash'n
Producers Supply Co., 138 Wash'n
Stearns Lime & Stone Co. (Limestone), 185 E Randolph
Tuthill Building Material Co., 220 W 63d
United States Crushed Stone Co., 134 La Salle
Waushara Granite Co., 172 Washington
Western Stone Co., Chamber of Com. bldg
Wisconsin Granite Co. (Granite), Chamber of Com. bldg
EAST ST. LOUIS—East St. Louis Stone Co
JOLIET—Joliet Flux Co.
KANKAKEE—Lehigh Stone Co.
LA GRANGE—La Grange Stone Co.
NAPERVILLE—Dolese & Shepard Co.
PEORIA—Wasson, T. J
QUINCY—Menke, F. W. Stone & Lime Co. (Limestone)
ROCK ISLAND—Davis, T. B. (Crushed Rubble Limestone)

INDIANA.

ALEXANDRIA—Hoosier Rock Wool Co.
BOONVILLE—Dalton, H. M. Stone Co.
EVANSVILLE—Bedford & Nugent
Eichel Lime & Stone Co. (For Macadam, etc.)
HUNTINGTON—Erie Stone Co.
Keefer & Bailey
INDIANAPOLIS—A. & C. Stone & Lime Co
Yawker, A. J. Co. (Limestone)
OSGOOD—Ashman, A. B. & Co.

IOWA.

DAVENPORT—Le Claire Stone Co.
Linwood Stone Co.
FORT MADISON—Fort Madison & Appanoose Stone Co.
KEOKUK—McManus & Tucker

KENTUCKY.

HOPKINSVILLE—Dalton, H. M. Stone Co.
LOUISVILLE—Speed, J. B. & Co.
NEWPORT—Ohio River Stone Co

MAINE.

PORTLAND—Maine & New Hampshire Granite Corporation (Granite)



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BRIDGEPORT, CONN.
248 Canal St., New York, N. Y.
39 No. Jefferson St., Chicago, Ill.

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MARYLAND.

LTIMORE—American Sand & Stone Co., 616 N Calvert
Atkinson, Jas. H., 20th c. Hampden av
Conway, John T., Stone Quarry Co., 2740 Huntington av
GUILFORD & WALTERSVILLE GRAN- ite Co., 8 E Lexington. (See adv. index, & branch offices, end of book)
Hook & Ford Contracting Co., Equitable bldg
Leonard, Daniel A., Builders' Exchange bldg
McKannar, Wm. T. & Co., Fayette & Calverton rd
Manning, W. T. & Co., Equitable Bldg.
Maryland Quarry Co., Gaither Estate Bldg.
PETERSBURG GRANITE CO., 3 E. Lexington. (See adv. index, end of book)
Pope, B. F. Stone Co., Law Bldg.
Schwind Quarry Co., Fidelity bldg
Standard Lime & Stone Co., Equitable bldg
KERSON—Standard Lime & Stone Co.
T DEPOSIT—McClenahan Granite Co. (Granite)

MASSACHUSETTS.

TON—Acme Road Material Co., 89 State
Beatty Construction Co., 66 Warren
Eagle Quarrying Co., 89 State
McMurty, A. J. & G. H., 16 Shepard (Br)
Massachusetts Broken Stone Co., 235 Franklin
OCKPORT GRANITE CO. (Gran- ite, All Sizes), 31 State. (See adv. index, end of book)
Idewater Broken Stone Co., 2 Kilby
West Roxbury Trap Rock Co., Grove cor Centre, W R
SON—Flynt, W. N. Granite Co. (Granite & Trap Rock)
ON COVE—Pigeon Hill Granite Co.
CY—Kavanagh Bros. Co.
KPORT—ROCKPORT GRANITE CO. (Granite, All Sizes). (See adv. index, end of book)
CHELMSFORD—Fletcher, H. E. Co. (Granite)
ESTER—Webb Granite & Construction
orcester Broken Stone Co. Co.

MICHIGAN.

AN—Adrian County Jail
OIT—Calvert's, J. Sons.
od, Jas. J. (Limestone)
ighten, H.
le, C. H. Co.
APIDS—Elk Cement & Lime Co.
TIQUE—White Marble Lime Co.
DE—Monroe Stone Co. (Limestone)

MINNESOTA.

H—Duluth Crushed Stone Co.
A—Babcock & Willcox
n Stone Co.
ATO—Fowler & Pay
APOLIS—Barber Asphalt Paving Co.
Limestone Co., 1529 Central av
le River Quarries Co. (Sandstone)
esota Crushed Stone Co., 15th & Johnson
LM—New Ulm Stone Co.
L—Breen Stone Co.
ota Stone Co.
ONE—Kettle River Quarries Co.
A—Biesanz Stone Co.

MISSOURI.

CITY—Lyle Rock Co.
er-Washington Co.
s Stone & Supply Co.
TON—Dalton, H. M. Stone Co.
IS—Bruner, P. M. Granitoid Co. (Granite), 904 Olive
ge Crushed Limestone Co., 318 N. 9th
nan, G., Jr., & Bro., 1216 S Grand av
J. C. Mineral Milling Co. (Granite), 101 Barton
& Gordon (Granite), Jefferson & Mo. Pac. R. R.
ri Granite & Construction Co., 3410 Gratiot
Geo. Granite Crushing Co. (Granite), 2015 Gratiot
der Granite Co. (Granite), 2138 De Kalb

NEBRASKA.

RINGS—Davis, Geo.
Schall, A. Co.

NEW JERSEY.

OOK—Boundbrook Crushed Stone Co.
DUNELLEN—Dunellen Lumber & Stone Co.
EAST NEWARK—Van Keuren & Son
JERSEY CITY—Shanley's, B. M. Sons Co.
Van Keuren & Son
MORRISTOWN—Morris County Crushed Stone Co.
NEWARK—Concrete Building Block Co., 45 Clinton
MORRISTOWN—Morris County Crushed Stone Co.
NEWARK—Concrete Building Block Co., 45 Clinton
Shanley's, B. M. Sons Co., 859 Broad
Tomkins Bros., 78 Passaic
Upton, Francis R., 11 Clinton
Van Keuren & Son, 401 Pacific, E N
PATERSON—McKiernan & Bergin
Marley, Francis J.
Paterson Crushed Stone Co.
PLAINFIELD—Smalley, N. B. & Co.
RUTHERFORD—Galloway, E. T.
SCOTCH PLAINS—Fanwood Stone Crushing & Quarry Co.

NEW YORK.

BUFFALO—Buffalo Cement Co. (Ltd.) (Also Building Dimension & Cut Stone), 110 Franklin
Buffalo Crushed Stone Co., Ellicott sq
German Rock Asphalt & Cement Co., D. S. Morgan bldg
GOCVERNEUR—Northern Crushed Stone Co.
NEWBURGH—Miller, D. C.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bannon, P. & Sons, 129 Richards
Hickey, M. F. Co., 7 N 2d av
Ryan, N. Co., 491 Smith

Boroughs of Manhattan & Bronx.

NEW YORK—Algie, Robert J., 9 W 67th
AMERICAN CONCRETE CO., 80 William. (See adv. index, end of book)
Brady, Jas. B., 525 E 118th
Bradley, Wm. & Son, 90 West
Brown, Geo. & Co., 1123 B'way
Brown & Fleming Contracting Co., 59 Pearl
Clinton Point Stone Co., 115 B'way
Conklin & Foss, 299 B'way
Cedarcliff Stone Co., 59 Pearl
Hillside Quarry Co., 120 Liberty
LEOPOLD, J. & CO. (Granite), 18 B'way. (See adv. index, end of book)
Long Clove Trap Rock Co., 59 Cortlandt
McLaughlin, James Co., 303 W 68th
Manhattan Trap Rock Co., 30 Church
Murray & Co., 263 Avenue C
North River Stone Co., 29 B'way
PICTON ISLAND RED GRANITE Co., 320 5th av (See adv. index, end of book)
Rockland Lake Trap Rock Co. (Hudson River, etc.) 299 B'way
ROCKPORT GRANITE CO. (Granite, All Sizes), 15 Park Row. (See adv. index, end of book)
Storm King Stone Co. (Trap Rock & Granite), 90 West
Thomas, Hugh Co., 340 E 64th
Tomkins Calvin, 17 Battery pl

(End of New York City)

ROCKLAND LAKE—Rockland Lake Trap Rock Co.
SYRACUSE—Canal Quarry Co.
TROY—Corliss Construction Co.
UTICA—Conley, F. E. Stone Co. (Limestone & Blue Sandstone)

OHIO.

BELLEFONTAINE—Bellefontaine Stone & Lime Co.
BELLEVUE—Bellevue Stone Co.
BUCYRUS — Brokensword Stone Co. (Crushed for Concrete Purposes)
BLUFFTON—Buckeye Stone Co.
CAREY—Natl. Lime & Stone Co.
CINCINNATI—American Stone Ballast Co., Johnston bldg
Donnelly & Dovey Construction Co., Union Trust bldg
Gray, E. F., Builders' & Traders' Exchange
Kirchner Construction Co., 8th & Plum
CLEVELAND—Burgess, C. H., Lennox bldg
Holran Stone Co., Rockefeller bldg
Kelley Island Lime & Transport Co.
Spence Bros. Construction Co., 12409 Euclid av
COLUMBUS—Buckeye Dredging Co.
Casparis Stone Co., Clinton bldg
Columbus Macadam Co. (Limestone), 319 Woodruff & Pausch Co. (Stone) Dublin av
FINDLAY—Hancock Stone Co.
Tarbox & McCall
FOSTORIA—Ohio & Western Lime Co.
HOLLAND—France Co.
LOWELLVILLE—Carbon Limestone Co. (Concrete a Specialty)
MANSFIELD—France, E. H. Sons (Limestone) stone)
MARION—Evans, Jno. Lime & Stone Co.
PIQUA—Statler Stone Co.
SPRINGFIELD—Mills Bros.
Moores Lime Co. (Limestone)
SYLVANIA—*Sylvania Stone Co.
TOLEDO—Acme Coal, Wood & Builders' Supply Co., Front & Droege
Toledo Stone & Glass Sand Co.
Waterville Stone Co., National Union bldg
Ohio & Michigan Sand & Gravel Co. (Granite)
VAN WERT—*Erie Stone Co.
WHITEHOUSE—*Ryan, Jno.
YOUNGSTOWN—Bessemer Limestone Co. (For Concrete, Macadam, etc.)

PENNSYLVANIA.

BELLEFONTE—Bellefonte Limestone Co.
EASTON—Easton Lime Co.
GLEN MILLS—General Crushed Stone Co.
GREEN LANE—Davis Trap Rock Quarry Co. (See Phila., Pa.)
Perkiomen Granite Co.
HARRISBURG—Spong, L. R. (Walton Quarries)
NEW CASTLE—Croton Lime & Stone Co.
NORRISTOWN—Block & Tile Co. (Limestone)
Dyer, Jno. T. Quarry Co.
PHILADELPHIA—Birney, R. C. & Co., 1215 Filbert
Bradley, Walter T. Co., 9th bel Girard av
Cedar Hollow Co., Land Title bldg
Clark & Co., 4425 Frankford av
Conemaugh Stone Co., Arcade bldg
Davis Trap Rock Quarry Co., Stephen Girard bldg
De Train Sand Co., Beach & Berks
Dyer, Jno. T. Quarry Co. (Stone), 15th & Market
Holmesburg Granite Co., Fidelity Mutual Life bldg
Ireland, Wm. H. Stone Crushing Co., 1218
Keenan, D. F., Arcade bldg Filbert
Knickerbocker Lime Co. (Limestone), 806 N 24th
Lukens & Yerkes, Commonwealth Trust
Peoples Bros., 25th & Callowhill bldg
Richardson & Ross Quarry Co. (Quarries at Morgantown, Pa.), Penna. bldg
Robinson, Thos. & Co., Real Estate Trust bldg
Schuylkill Stone Co., Bulletin bldg
Silicate Mfg. Co., 24 So 7th
Warner, Chas. Co. (Limestone), Land Title bldg
Williamson, Frank, 2202 Chestnut
PITTSBURG—Blair, Reed F. & Co. (Limestone), Frick bldg
Booth & Finn (Ltd.), (Granite), 1942 Forbes av
Clydesdale Stone Co. (Hard Sandstone)
Consolidated Stone & Mining Co. (Limestone), Farmers Bank bldg
Morris, A. G. Lime & Stone Co., Empire bldg
Pope Cement & Brick Co., 421 Wood
SOUTH BETHLEHEM—General Crushed Stone Co.
TYRONE—American Lime & Stone Co. (Limestone)
WAMPUM—Wampum Crushed Stone Co.
WAYNESBORO—Decarbonated Lime & Stone Co.

RHODE ISLAND.

EAST PROVIDENCE—McCormick, Jos.
PROVIDENCE—Oneco Granite Co., 49 Westminster

TENNESSEE.

NASHVILLE—Tenn. Crushed Stone Co.
NEWSOMS STATION—Newsom Crushed Stone & Quarry Co.

TEXAS.

EL PASO—El Paso Ice & Refrigerator Co.

VERMONT.

HARDWICK—Woodbury Granite Co. (Granite Only)

WASHINGTON.

SEATTLE—Independent Asphalt Paving Co.

WEST VIRGINIA.

MARTINSBURG—Berkley Limestone Co.

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WISCONSIN.

AMBERG—Pike River Granite Co.
KENOSHA—Davy Burnt Clay Ballast Co.
LA CROSSE—La Crosse Stone Co.
MILWAUKEE—American Granite Co. (Granite)
Lannon Crushed Stone Co., 2005 North av
Milwaukee Concrete & Supply Co., Matthews bldg
Waukesha Lime & Stone Co., 1211 Huntboldt av
OSHKOSH—Lutz, Robert
RACINE—Horlicks' Lime & Stone Co.
O'Laughlin, Jno. Stone Co.
WATERTOWN—Richwood Crushed Stone Quarry

Stone Crusher Parts & Repairs

(See also Castings, Rock Crusher)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Steel & Condit, Pearl c Steubner, Jersey City, N. J.
Taylor Iron & Steel Co., High Bridge, N. J.

Stone Crushers

(See Rock & Ore Crushers)

Stone Crushing Plants (Complete)

Acme Road Machinery Co., Frankfort, N. Y.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Bacon, Earle C., 26 Cortlandt, New York
Chalmers & Williams, Commercial National Bank bldg, Chicago, Ill.
Climax Road Machine Co. (Stationary or Portable), Marathon, N. Y.
Cresson, Geo. V. Co., Allegheny av. W of 17th, Phila., Pa.
Good Roads Machinery Co. ("Champion" Portable), Kennett Square, Pa.
KOEHRING MACHINE CO., Milwaukee, Wis. (See adv. index, end of book)
MARYLAND EQUIPMENT & SUPPLY Co., Calerty & Fayette, Baltimore, Md. (See adv. index, end of book)
Meyer, Henry H. Co., 110 S Howard, Baltimore, Md.
Mill & Smelter Engineering Co., 114 Liberty, New York
Power & Mining Machinery Co., Cudahy, Wis.
South St. Louis Foundry, St. Louis, Mo.
Traylor Engineering Co., Allentown, Pa.
Universal Road Machinery Co., 120 Liberty, New York

*Stone (Curbing)

BEDFORD QUARRIES CO., 204 Dearborn, Chicago, Ill. Quarries & Mills, Oolitic, Ind. (See adv. on front cover)
OHIO QUARRIES CO., 818 Euclid av. Cleveland, O., & 1 Madison av, New York. Quarries & Mills, Amherst, O.

Stone Cutters' Pneumatic Tools

(See Pneumatic Stone Cutters' Tools)

Stone Cutters' Tools

(See Tools, Granite & Stone Cutters)

Stone Cutting Machines

(See Machines, Stone Cutting)

*Stone (Istrian, Hauteville & Touraine)

BOCKMAN & SHERIDAN, 1265-9 Broadway, New York. (See adv. index, end of book)

Stone Planers

(See Planers, Stone)

Stone Polishing Machinery

(See Machinery, Stone Polishing)

Stone Producers, Workers & Dealers

(Firms who operate quarries are marked by either a § or * in towns where their quarries or main office are located, or at the nearest P. O. to their works)
(See also Granite Producers, Workers & Dealers; also Marble Producers)

ALABAMA.

ANNISTON—*Anniston Lime & Stone Co.
*Largarde Lime & Stone Co.
BIRMINGHAM—*Alabama Consolidated Coal & Iron Co. (Limestone, All Consumed by the Company)
Alabama Cut Stone Co. (Cut Contractors)
Oak Hill Marble & Stone Works (Cut Contractors)
Reed Bros. Steam Stone Works
*Sloss-Sheffield Steel & Iron Co. (Limestone, All Consumed by the Company)
*Southern Steel Co. (Limestone)
*Tennessee Coal, Iron & R. R. Co. (Limestone, All Consumed by the Company)
HUNTSVILLE—Hummel, J. F. & Sons (Cut Contractors)
MOBILE—McDonald, D. J. Stone Co. (Cut Contractors & Flagging)
McDonald, March & Co. (Cut Contractors)

ALASKA TERRITORY.

FLAGSTAFF—§Arizona Sandstone Co.

ARKANSAS.

BATESVILLE—*Pfeiffer Stone Co. (Batesville Oolitic)

CALIFORNIA.

COLTON—*California Portland Cement Co. (Building Rock)
GILROY—§Martin, A. A. (Cut Contractors)
LOS ANGELES—Allison, S. & Co., 1354 Palmetto
Bly Bros. Stone Co., 720 S Alameda
*California Construction Co. (Granite & Sandstone), 324 E Market
*California Portland Cement Co. (Building Rock), 129 W 2d
Lane Bros. (Cut Contractors), 910 S Main
OAKLAND—Veitch, W. T. & Bro.
PASADENA—Holmes, Thos. & Son
SACRAMENTO—Harder, O. (Cut Contractor)
SAN DIEGO—§Simpson & Pirnie Granite Co
SAN FRANCISCO—Colusa Sandstone Co., 4 Potrero av
*Gray Bros. (Crushed Rock Co.), Wells Fargo bldg
McGilvray Stone Co. (Cut Contractors), Townsend & 7th
McPhee Co. (Cut Contractors), 1308 16th
§Raymond Granite Co., Potrero & Division
San Pablo Quarry Co., Balboa bldg
Western Cut Stone Co., 127 Montgomery
Wetmore, Geo. P. & C. A., 412 2nd
SANTA ANA—§Arizona Sandstone Co.

COLORADO.

COLORADO SPRINGS—Newton Lumber & Mfg. Co.
DENVER—Barker, E. S. Co. (Cut Contractors)
*Colorado Fuel & Iron Co. (Limestone & Dolomite Quarries)
Edwards, E. A. & Co. (Cut Contractors), 13th & Delgany
Fraser & Richardson Stone Co. (Cut Contractors), 6th & Wewatta
Geddis & Seerle Stone Co. (Cut Contractors)
Greenlee Stone & Bldg. Co., 1515 13th
Hathaway Stone Co., 11th cor Wewatta
Mann, Herbert, 7 Larimer
Roberts, J. F., 16th cor Delgany
Sites & Buell, 2026 Delgany
Threewit, B. F., 1700 15th
PUEBLO—Harold, D.
Summers, J. C.

CONNECTICUT.

ANSONIA—*Ansonia Trap Rock Co.
§Potter, Wm. (Cut Contractors)
*Wooster, Chas. B.
BRIDGEPORT—Bridgeport Stone Co.
*Costigan, John, 832 Ogden
§Dixon, Jno. D., Sylvan av nr Trumbull rd
*Evers Quarry, Arctic & Knowlton
Jackson Stone Co. (Cut Contractors)
Keane, M. G., 231 Housatonic av
Purdy, H. M. Co. (Blue), 350 Water
Sillinian & Godfrey Co. (Blue), 1112 Broad
Wheeler & Howes (Blue), 944 Main
BRISTOL—Arms, Howard G. (Foundation)
DERBY—Fagan, F. H. Co. (Flagging)
Patchen, Edw. G. (Flagging)
*Kendrick, Joseph, Jr.
*Shay, John
GUILFORD—*Beattie, John (Est. of)
HARTFORD—Anderson, Knut H. (Flagging, etc.), 353 Pa
Belden, Seth & Son (Flagging, etc.), 6 Commerce
Billings Sidewalk & Coal Co. (Blue, etc.)
Danielson, A. Co., 98 Babcock
Freeburg, A. S., 5 Capitol av, ext
*Keenan, D. F. (Trap Rock, Rough Wall Bottom Stone, etc.), 721 Main
Kelly Bros. (Cut Contractors), 93 Charter Oak
*O'Connor-Walker Co. (Cut Contractors) 40 Edwards
Putnam, H. E., 156 Woodland
Watson, Alexander (Flagging), 283 Sheldon
LIME ROCK—*Barnum-Richardson Co. (Limestone, All Consumed by the Company)
MANCHESTER—Hollister, Wesley
MERIDEN—*Connecticut Trap Rock Quarries (Crushed)
Grossman, G. J. (Free), 126 Hanover
*Kearney, Thos.
Lane, Jno. S. & Son (Inc.) (Crushed Trap)
*Lane Quarry Co. (Crushed, etc.) Rock
Lines, H. Wales & Co. (Blue & Brown Stone), 134 State
Luby, Wm. J. (Blue, etc.)
MIDDLETOWN—Middletown Coal Co. (Flagging, etc.)
Whitmore Bros. (Building)
NEW BRITAIN—Baker, Loren C. (Curb & Flag)
Cadwell, Chas. B. (Building & Crushed)
Halloran, M. W. (Building)
Hanna's, John Son (Cut Contractor)
Meehan, Jno. F. (Freestone)
Smith, T. C. (Bluestone)
NEW HAVEN—Blakeslee, C. W. & Son (Building, Broken & Blue), 58 Waverly
Blake, T. A. (Stone, Crushed), 100 Ashmun
Brazos, Frank (Brown & Blue Stone Crushed, etc.), 402 Elm
Connecticut Concrete Co. (Building & Crushed), 39 Church
*Connecticut Trap Rock Quarries (Crushed Trap Rock), 46 Meadow
Howard Co. (Blue), 250 Boulevard
Kaehrle Stone Co. (Cut Contractors), 4 Hamilton
Kimberly, F. Lester (Cut Contractor), 353 Savin av, W E
Maxwell, Jno. & Son, 70 Hill
Robertson, T. B., 755 Whalley av
Upson & Granniss (Crushed), 116 Franklin
Warner-Miller Co. (Blue Stone), Railroad av, ft St. John
NEW LONDON—D'Avignon, F. P. (Blue & Brown)
Ladd, F. M. Co.
Rogers, H. E. Construction Co.
§Ryan, J. J. (Cut Contractor & Flagging)
NEW MILFORD—Hanson, Christian
NIANTIC—*Lnce, James V.
NORWALK—*Hall, Irving
Meeker Coal Co. (Blue)
NORWICH—Dodd, Thos. J.
Harrington, P. J.
Peck, McWilliams & Co. (Flagging)
Torrance, A.
PLAINVILLE—§Cook Stone & Ice Co. (Trap Rock)
PORTLAND—§Brainerd, Shaler & Hall Quarry Co. (Brown)
Connecticut Steam Brownstone Co. (Brownstone Cutters & Contractors)
ROCKVILLE—Martin, W. B.
*Rau, Conrad B. (Flagging)
ROCKY HILL—*Conn. Trap Rock Quarries
SHELTON—(See Derby)
SOUTH NORWALK—(See Norwalk)
STAFFORD SPRINGS—Kingsbury, A. W (Monumental Work & Curb Stone, Stone Cutter)
STAMFORD—Bonnty, A. E. (Blue Flagging)
Dean, Geo. W. (Blue & Brown)
O'Connor John & Sons
TORRINGTON—DeMichiel, Jno. & Bros.
WATERBURY—§Chatfield & Chatfield (Blue Gaffney, J. W. & Co. (Blue)
Jackson, Thos. F. (Cut Contractors)
WILLIMANTIC—*Larrabee, C., Jr.
WINSTED—Carey, Joseph F.

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DELAWARE.

IDDLETOWN—Hukill, G. E.
ILMINGTON—*Scott, James H., 2104 W 17th
Simmons & Bro. (Curbing), 102 W 5th
*Stewart & Donohue, Augustine
*Tyre, Philip P., Jr., Shellpot

DISTRICT OF COLUMBIA.

ASHINGTON—Acker & Co., 524 N J av N W
Butt-Chapple Stone Co., 1st cor O, N W
Esher, Geo. C., 2d cor O, N W
Flannery, M. C., Del av cor B, S W
Geier, C. F., 807 13th, N E
Gilbert, Henry P., 1062 Wis av
Heany, Thos., 482 Mass av, N W
Heidenreich, Frederick, Bladensburg rd
Low, Robert & Co., 115 3d, S W
Miller-Kopp Cut Stone Co. (Cut Contractors), 23 N, N E
Rupprecht, Harry E. (Cut Contractors), 129 Pa av, N W
§Smith, Chas. G. & Son (Foundation & Potomac Blue), 3218 K, N W
Smith, Philip, 1st cor B, S W
Wellmeyer, Jacob & Son, 1420 Ohio av, N W
Williams, B. A. & G. N. (Cut Contractors), S Capitol & K

GEORGIA.

ENS—Bisson, P. & Sons (Building)
ANTA—Indiana Stone Co. (Cut Contractors)
apital Stone Co. (Cut Contractors)
riegshaber, V. H.
cDonnell Stone Co., 6 Hill
iedmont Stone Co.
harkey, W. G. Stone Co. (Cut Contractors)
ennble Bros., Temple Court
alker & Newmeyer Stone Co.
USTA—Georgia Rough & Cut Stone Co.
MBUS—Elledge & Norman
ONIA—*Crossley, R. J.
orton & Davidson
ON—Blue Ridge Marble Co. (Cut Con-
NNAH—Dixie Stone Co. tractors)
avannah Cut Stone Co. (Cut Contractors)

ILLINOIS.

N—*Armstrong, Jno. Lime & Quarry Co. (Limestone)
eliance Quarry & Construction Co.
atson, Henry (Limestone)
RA—Kapp, P. & Son
VIA—§Barker, Wm. P. & Son
unter, Griffith Co.
MINGTON — Higgins-Jung-Kleenau Co.
ore, J. K. (Cut Stone)
AGO—American Crushed Stone Co., 2 Webster av
MERICAN STEEL & WIRE CO. (All Consumed by the Company), Commercial National Bank bldg. (See adv. index, end of book)
lerson, Andrew G., 5838 Justine
lerson & Lundgren Cut Stone Co., 5821 S May
esian Stone & Lime Works Co. (Limestone), Grand & N Campbell avs
mann, Jacob, Greenwood ter & Ward
EDFORD QUARRY CO. (Buff & Blue Oolitic, Ind. Limestone), 204 Dearborn. Quarries & Mills, Oolitic, Ind. (See adv. on front cover)
ean, Paul W., 40th av & Taylor
felt Bros., 700 Cornelia
well, Frank A. & Co., 560 W 47th
ral Oolite Stone Co., 138 Washington
ngo Crushed Stone Co., 108 La Salle
ngo Cut Stone Co. (Cut Contractors), 3403 La Salle
cago Union Lime Works Co. (Macadam & Crushed), 19th & S Lincoln
eland Stone Co. of Cleveland, O. (Ohio Blue & Buff), 204 Dearborn
solidated Stone Co. (Bedford Indiana Stone), Monadnock blk
born Cut Stone Co., 6100 Lafayette av
r, T. C. & Co. (Contractor, Cut), 346 W 21st
se & Shepard Co. (Crushed, etc.), 184 La Salle
worth Stone Co. (Contractors Cut), 2700 Stewart av
rds, John H. (Cut Contractors), 5837 S Ashland av
rds & Ward (Cut Contractors), Ful-
f, John, 1133 Otto lerton av
r, Geo. & Son (Cut), 2068 W Taylor
Federal Stone Co., 138 Washington
Fenn, C. E. & Co. (Wholesale, Bedford Stone), 104 Dearborn
Fisk & Pretzel, 2228 Evanston av
Fluck & Hamilton (Cut Contractors), 73d & Kimbark av
Fuog & Hufnagel (Cut Contractors), 1571 N Western av
Furst Kerber Cut Stone Co., 443 5th av
Furst, Neu Co., 218 La Salle
Furst & Fanning (Cut Stone Contractors), 73 Hawthorne
Galloy & Van Etten (Cut Contractors), 118th & S Halsted
Geipel, Ernest C., 5830 Centre av
Gibson, A. F. & Co. (Cut Contractors), 3327 La Salle
Gindele, Chas. W. Co. (Cut Contractors), 3333 La Salle
Godfriaux & Co., 1058 Girard
Greene & Sons, 3403 Lowe av
Griswold & Chambers, 138 Washington
Hagan, James A., 24 E 42d
Heldwaier, Ernst (Cut Contractor), 25th & Throop
Henne & Co. (Cut Contractors), cor Blanch
Henry, Wm., 5837 Justice & Fleetwood
Hepperle, J. & Son, 309 S Springfield av
*Hunter Valley Stone Co., 125 Monroe
*Illinois Steel Co. (Limestone, all Consumed by the Company), 115 Adams
§Illinois Stone Co. (Dimension & Rubble), 22d & Lumber
Jones, Thos. J., 640 S. Rockwell
Karge, Frank (Cut Contractors), 5829 Bishop
Kaspar & Stoklasa (Cut Contractors), 991 S Sawyer av
Kauffman, Jos. (Cut Contractor), 523 Elston av
Kempe, P. & Co. (Cut Contractors), 320 S Jefferson
Klingenhagen, F. M. (Contractor, Cut), 421 Fleurnoy
Kurfess, Gregor (Cut Contractor), 429 W North av
*La Grange Stone Co. (Crushed, etc.), Old Colony bldg
Lamb, Alexander, 5838 Ladin
Lange & Arch (Cut Contractors), Oak Park
Lawndale Cut Stone Co. (Cut Contractors) 1332 S Harding av
Lemont Limestone Co., Ashland av s of 22d
McDonald, Andrew F., 541 W 57th pl
McHugh, Jno., 5816 Normal av
McMillan, W. & Son (Inc.), (Building & Cut Stone), Chamber of Commerce bldg
McWhirter, David (Cut Contractor), 102 W North av
Mahan Co., Chamber of Commerce bldg
Malone Stone Co. (Ohio Blue & Buff), 218 La Salle
*Mathers Stone Co., 125 Monroe
Mesce, Pasquale (Contractor), 894 N Western av
Miers, D. K., 125 Monroe
***OHIO QUARRIES CO.** (Blue & Buff, Ohio Sandstone, Sawed Stone a Specialty), 204 Dearborn. Quarries & Mills, Amherst, O.
Ohio Sandstone Co., 204 Dearborn
O'Laughlin, Jas. & A. C., 172 Washington
Olson & Nelson Cut Stone Co. (Cut Contractors), 3345 La Salle
O'Meara, William, 638 S Rockwell
*Peoria Stone & Marble Works (of Peoria), 204 Dearborn
*Perry-Matthews-Buskirk Stone Co. (Bedford Indiana Stone), Monadnock blk
Petersen Cut Stone Co., 138 Washington
Pickel, Jacob, 4 E Webster av
Pickel & Stoeckert (Cut Contractors), 85 Station
Pickel, Wm. (Cut Stone), 788 N Western av
*Portage Entry Quarries Co. (Lake Superior Portage Red, Brown & Variegated Sand), 218 La Salle
Producers' Supply Co., Cham. of Com. bldg
*Racine Stone Co., 206 La Salle
Rutishauser, Wm., 843 N Lincoln
Sietz, Jno. & Co., 903 N 40th ct
Shirlaw, Hugh (Cut Contractors), 3557 Stewart av
Skoglund, August H. (Cut Contractor), 172 Washington
Skoglund, Emil G. (Cut Contractor), 3451
*Star Stone Co., 125 Monroe N Clark
Stein, Ebertshaeuser & Co. (Cut Contractors), 56 E Division
Struble, Henry, Cut Stone Co., Rookery bldg
Sward, A. E. & Co. (Cut Contractors), 449 33rd
Tait, John (Contractor, Cut), 3401 La Salle
Thomlinson-Riley Co. (Cut Contractors), 760 W 39th
†United States Crushed Stone Co., 184 La Salle
Watson, Gavin F., 72d & Washington
*Waukesha Lime & Stone Co. (Rubble, Dimension, etc.), 965 N Central Park av
Western Stone Co. (Cut Contractors), 320 Chamber of Commerce bldg
Wilde & Schmidt (Cut Contractors), W 21st & Marshall boul
Wolf, Rudolph, 1221 Newport av
Wurster, Charles (Cut Contractor), 987 Ogden av
*Young Stone Co., Oakley & Oakdale avs

DECATUR—Grindol, W. H. & Son
Passoid, John J. (Cut Contractor)
EAST ST. LOUIS—§East St. Louis Stone Co. (Cut Contractors)
*Queen City Quarry Co.
§Stolle, Casper Quarry & Construction Co.
ELGIN—Magnus & Russell (Cut Stone)
ELMHURST—*Elmhurst-Chicago Stone Co.
FAIRMOUNT—*Casparis Stone Co.
FREEPORT—Ascher, William
GALESBURG—Craig & Harris (Cut Contractors)
Davis, S. B. (Cut Contractor)
King, Alex. & Co. (Cut Contractors)
GRAFTON—§Grafton Quarry Co. (Sandstone)
HIGHLAND—Feutz, Edward
JOLIET—*Bruce, James Quarries
Commercial Stone Co. (Limestone)
*Groth, Adam & Co. (General & Cut Stone Contractors)
*Joliet Flux Co. (Crushed, etc.)
*Joliet Quarries Co.
§Keltie Stone Co.
*Kraker Stone Co.
*Merchants Stone Co.
*Ross & Curtis Stone Co.
§Western Stone Co.
KANKAKEE—*Lehigh Stone Co. (Crushed Stone, etc.)
LA GRANGE—*La Grange Stone Co. (Crushed Stone, etc.)
LEMONT—*Consumers' Stone Co.
§Illinois Stone Co. (Dimension & Rubble)
§Western Stone Co. (Limestone)
*Young Stone Co.
LENA—Perkins, H. F. (Cut Contractor)
LINCOLN—Lincoln Monument Co.
LOCKPORT—*Bruce, James Quarries
§Western Stone Co. (Limestone)
MOLINE—*Cady Stone Quarry
*Moline Stone Co. (Limestone)
PEORIA—Peoria Stone & Marble Works (Contractors, Cut), 1800 N Adams
Wasson, T. J. (Crushed), 403 S Washington
QUINCY—*Menke, F. W. Stone & Lime Co. (Limestone)
ROCKFORD—*Carrico Stone Co.
*Hart & Page (Building, Bridge & Rubble)
McMahon Bros.
Winchester, Thos. (Cut & Building)
ROCK ISLAND — *Davis, T. B. (Limestone Crushed Rubble)
SPRINGFIELD—Baum, M. J. (Cut Stone)
Culver Construction Co. (Cut Stone)
Fortado, J. L. Co. (Cut Contractors)
Illinois Granite & Stone Works (Cut Contractors)
URBANA—Clark, C. N. & Co.
VIRGINIA—Martin, A. L. (Cut Contractor)
WAUKEGAN—Bairstow, Fred. (Dealer)

INDIANA.

BEDFORD—*Bedford Buff Stone Co.
Bedford Cut Stone Co. (Cut Contractors)
Bedford Linton Crush Stone Co.
*Bedford-New York Quarries Co.
*Bedford Quarries Co.
§Bedford Steam Stone Works (Saw Mills, Columns, etc.)
Bedford Stone & Construction Co.
*Bradley, Wm. & Son (Cut Contractors) (of New York)
*Consolidated Stone Co. (of Chicago)
*Doyle, Geo. & Co. (of New York)
Dugan Cut Stone Co. (Cut Contractors)
*Empire Stone Co. (of Bloomington, Ind.)
*Furst, Kerber Cut Stone Co. (Cut Contractors) (of Chicago)
Goodall Cut Stone Co. (Cut Contractors)
*Indiana Bedford Stone Co.
Indiana Cut Stone Co. (Cut Contractors)
*Norton-Reed Stone Co.
*Oolitic Stone Co.
*Perry-Matthews-Buskirk Stone Co. (Bedford Indiana Stone)
Rowe, John A. Cut Stone Co. (Cut Contractor)
*Struble, Henry, Cut Stone Co. (Cut Contractors) (of Chicago)
*Thornton, E. R.
BLOOMINGTON—*Bloomington-Bedford Stone Co.
Bloomington Cut Stone Co.
§Central Oolitic Stone Co. (Cut Contractors, Buff & Blue Limestone)
§Chicago & Bloomington Stone Co.
*Consolidated Stone Co. (of Chicago)

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*Crescent Stone Co.
*Crown Stone Co.
*Eagle Stone Co. (Ltd.)
*Empire Stone Co.
*Henley, Geo. W. Stone Co. (Sawed, Cut & Turned, etc.)
Hoadley Stone Co. (Inc.) (Cut Contractors)
Hunter Bros. Stone Co.
§Hunter Valley Stone Co.
*Johnson Matthews Co.
*McMillan, W. & Son (of Chicago)
*Mathers Stone Co. (of Chicago)
Monarch Stone Co. (of Indiana)
*Monroe County Oolitic Stone Co.
§National Stone Co. (Buff & Blue Limestone)
Nolan, James H. Sons
*Perry Bros. Stone Co.
*South Side Stone Co.
*Star Stone Co. (of Chicago)

BOONVILLE—*Dalton, H. M. Stone Co. (Crushed Stone & Railroad Ballast)
BRAZIL—Brazil Stone Co.
CANNELTON—*Pauline, F. S. & Co.
COLUMBUS—McCormack, P. H. Co.
DECATUR—*Haugk, Julius
*Haugk, Julius
ELLETTSVILLE—Eclipse Stone Co. (Bedford Cut Stone)
*Ellettsville-Perry Quarries Co.
*Griswold & Chambers (See Chicago, Ill.)
Matthews, A. E. (Cut Stone)
*Matthews Bros.
*Perry Bros. Stone Co.
*Perry Stone Co.
Thompson, A. J.
ELWOOD—Digel, S. H. (Cutter, Flagging, etc.)
EVANSVILLE—*Caden Stone Co. (Green River Oolitic Limestone, Rough & Cut)
*Eichel Lime & Stone Co. (Crushed Macadam, etc.)
Indiana Marble & Granite Works (Cut)
Schols, F. J. & Son
FORT WAYNE—Geake, W. (Cut Contractor)
Keller & Braun (Cut Contractors)
§Moellering's, Wm. Sons
FRANKFORT—*Morris, W. G. & Bro.
Paul, D. W.
GOSHEN—Slaughter Granite Co.
GREENCASTLE—Oakalla Stone & Lime Co.
Torr, J. C. Co.
GREENSBURG—§Greensburg Limestone Co.
INDIANAPOLIS—A. & C. Stone & Lime Co., *Adams, H. C., 230 E Ohio 17 N Penn
Billingsley, J. H. Co. (Cut Contractors) 1405 Bates
Fife, George W. (Cut Contractors), 230 E Ohio
Ittenbach, G. & Co. (Cut Contractors), 916 Harrison
Robbins, Samuel (Cut Contractor), Lemcke bldg
†Romona Oolitic Stone Co. (Cut Contractors), Saks bldg
*Spencer Stone Co., Am. Central Life bldg
*Yawger, A. J. Co. (Building, Dimension, Crushed, Limestone, etc.)
LAPORTE—Franklin, B. A. (Cut Contractor)
LAUREL—*Manly, Harry
Secrist, D. L.
LOGANSPORT—*Mount Airy Stone Co.
MARION—*Marion Stone Co.
MUNCIE—Busch, Russell & Geits (Cut Contractors)
NEW ALBANY—Vernia, John & Son (Cut Contractor)
NEW POINT—§Big Four Stone Co.
*Putman, Jno. J. (Limestone)
OOLITIC—*BEDFORD QUARRIES CO. (Buff & Blue Oolitic Indiana Limestone), Offices, 204 Dearborn, Chicago, Ill.; 1 Madison av, New York, & 818 Euclid av, Cleveland, O. (See adv. front cover)
OSGOOD—*Ackman, A. B. & Co.
*Wagner, Nick, Jr.
PAOLI—*Braxton, T. M. & Sons (Whetstone)
ROCKVILLE—Gaebler, T. F.
ROMONA—§Romona Oolitic Stone Co.
ST. PAUL—*Adams, H. C.
*St. Paul Stone Quarries
SOUTH BEND—Schmidt Cut Stone Co. (Cut Contractors)
SPENCER—*Spencer Stone Co.
STINESVILLE—*Hoadley, J. & Sons Co. (Sawed, Planed, Turned & Cut)
*Romona Oolitic Stone Co.
TERRE HAUTE—Roberts, Richard B. & Son (Cut Contractors)
§Terre Haute Stone Works Co. (Cut Contractors & Flagging)
Walsh, E. W.
WESTPORT—Westport Stone Co.

IOWA.

BURLINGTON—Burrus, O. M. & Bro.
CEDAR RAPIDS—*Bealer, E. J. (Dimension & Building)
Edinger Bros. (Cut Stone)
*Iowa Stone Co.
CLINTON—McDonnell, D. P. J. (Cut Contracting Stone)
DAVENPORT—*Boland Stone Co.
*Gromoll Stone Co.
*La Claire Stone Co.
*Linwood Stone Co.
DE SMOINES—§Rowat, Jno. (Cut Contractor)
DUBUQUE—Schulte, B. & Son (Cut Contractors)
Wagner, Henry (Cut Contractors)
FORT DODGE—Delano & Son
FORT MADISON—§Fort Madison & Appanoose Stone Co. (Crushed, etc.)
INDIANOLA—Lundy, Jas. W.
KEOKUK—§Cameron & McManus
§McManus & Tucker
LE MARS—Moore, M. A.
Perry, W. H.
MARSHALLTOWN—§Le Grand Quarry Co. (Cain. Oolite & Lime)
MASON CITY—Dayton, C. G.
STONE CITY—*Dearborn, H. & Sons
§Erickson, F. Co.
§Green, Jno. A.
*Ronan, John
WATERLOO—*Bartlett & McFarlane
Moline & Lawson (Cut Contractors)

KANSAS.

GODDARD—Pond, W. M. & Co.
JUNCTION CITY—De Armond & Boot
KANSAS CITY—Kansas City Cut Stone Co.
Rock Hill Stone Co. (Cut Contractors)
PARSONS—Van Meter, J. F. (Cut Contractor)
PITTSBURG—White, Hance & Son
STERLING—Fair, D. J.
TOPEKA—Cuthbert & Sargent (Cut Contractors)

KENTUCKY.

COVINGTON—Farrell, James (Cut Contractor)
Imeson, J. W. (Cut Contractor)
Rich, Jos. W., Lex Pike
*Schlosser, Frank J., Highland Pike
DAYTON—Walter Bros.
FARMERS—*Rowan County Freestone Co. (Kentucky Blue, Rough, Bridge, Dimensions, etc.)
HADLEY — *Caden Stone Co. (Green River Oolithic Limestone, Rough & Cut)
HENDERSON—§Fleming, J. H. & Son (Cut Contractors)
HOPKINSVILLE—*Dalton, H. M. Stone Co. (Crushed Stone & Railroad Ballast)
Hopkinsville Stone Co.
LANGFORD—*Rockcastle Stone Co.
LEXINGTON—Lexington Stone Co.
LOUISVILLE—§Blatz & Krebs Stone Co. (Cut Stone Contractors), 1318 W Walnut
Bowling Green White Stone Co.
Diebold, John & Sons (Steam Stone Works & Contractors), 1417 16th
§Kilgus, C. F., Long av, e of Workhouse rd
*Kremer & Co., Long av, e of Workhouse rd
Peter, Joseph H. & Co. (Cut Contractors)
Peter & Burghard Stone Co. Cut Contractors), 14th cor Maple
Peter & Melcher (Cut Contractors), Logan
*Salem Bedford Stone Co. & Rupp sts
§Stengel, Urban & Son, 1103 E Breckenridge
MOUNT VERNON—*Sparks, W. J. (Limestone)
NEWPORT—Imeson, Frank (Cut Contractor)
*Ohio River Stone Co.
Spinks, Harry C.
OWENSBORO—Mischal, Geo. & Sons (Cut Trap Stone Co. Contractors)
PADUCAH—Downs, J. S. & Co.
Lydon, Wm., Marble Co.
Williamson, J. E. & Co.
SHELBYVILLE—Claxon, J. C.

LOUISIANA.

NEW ORLEANS—Jahncke, F. (Dealer), 810 Howard
SHREVEPORT — Newman, A. J. (Cut Contractors)

MAINE.

BELFAST—Hutchins Bros.
Wood, M. & Son
BIDDEFORD—(See Granite Producers, Workers & Dealers)
HALLOWELL—*BROWN, HERBERT L. Co. (Granite, Marble & Limestone). (See adv. index, end of book)
JONESBORO—(See Granite Producers, Workers & Dealers)
PORTLAND—Mannix Bros. (Freestone)
Union Granite Co., ft Wilmot
SOUTH PARIS—Walker, A. W. & Son

MARYLAND.

BALTIMORE—Andrew, D. M. Co. (Cut Contractors), 1014 Homewood av
§Atkinson, James H. (Curb, Building, Flag, etc.), 29th & Hampden av
Bevan & Sons, Belt Line R. R. & Frisby
Berry & Tracey (Freestone, North River Blue, etc.), 320 W Hamberg
Clough & Molloy (Cut Contractors), Harford rd & Belt Line R. R.
*Conway, J. T., Stone Quarry Co., 2760 Huntingdon av
*Eastman Stone Co., Equitable bldg
Ehman, Chas. B., Woodbourne & Beauregard avs
Gault, Wm. A. & Son (Cut Contractors), 9 E Lexington
GUILFORD & WALTERSVILLE Granite Co. (Flint & Feldspar, Rough or Ground, Granite Paving Blocks, Crushed Stone, Building & Dimension, Granite), 3 E. Lexington. (See adv. index, end of book)
Herrick, Jno. Howard (Quarry Agent, Blue, Red & Brown Stone, Marble, Granite & Limestone), 7 Clay
Hook & Ford Contracting Co. (Crushed), Equitable bldg
§Independent Quarry Co., 809 N Holliday
King, J. P. & Co., Warner & Osteod
Knight, Maurice L. (Cut Contractor), 1025 W Mulberry
§Leonard, Daniel A. (Flagging, Building, Paving & Crushed), Builders' Ex
*Longley, Wm. M., Quarry Co., 711 Bloomingdale av
Mann, Geo. (Cut Contractors), Columbus av & B & O R R
*Maryland Quarry Co., Gaither Est bldg
O'Meara, Jas. & Bro., 1129 Fremont av
Patapsco Quarry Co., Equitable bldg
§Peddicord, I. H. & Sons Quarry Co. (Crushed), 879 Greenmount av
PETERSBURG GRANITE CO. (Flint & Feldspar, Rough or Ground, Granite Paving Blocks, Crushed Stone, Building & Dimension Granite), 3 E Lexington. (See adv. index, end of book)
*Pope, B. F., Stone Co., Law bldg
Rullman & Wilson (Cut Contractors), Mt Royal av
§Schwind Quarry Co. (Crushed Stone), 202 Fidelity bldg
§Standard Lime & Stone Co. (Lime), Equitable bldg
Thomasville Stone & Lime Co., 622 N Carrollton av
Weber, Albert (Cut Contractor), Builders' Ex
DICKERSON—§Standard Lime & Stone Co.
DINWIDDIE—PETERSBURG GRANITE Co. (See adv. index, end of book)
GUILFORD—GUILFORD & WALTERSville Granite Co. (See adv. index, end of book)
WHITEHALL—*Eastman Stone Co.
WOODSTOCK—GUILFORD & WALTERSville Granite Co. (See adv. index, end of book)

MASSACHUSETTS.

ATHOL—Wellman, L. M. W.
BOSTON—Bishop, J. W. Co. (Cut Limestone Contractors), 683 Atlantic av
Campbell, P. J. & Sons (Freestone), Southampton cor Reading
Carew, Jos. F. (Cut Contractor), Gerard & Mass av
§Charles River Stone Co. (Cut Contractors), Tremont bldg
Cleveland Stone Co., 166 Devonshire
Conant, Chas. M., 45 Milk
Coughlan, F. G. & Sons (Cut Contractors), Albany cor Malden
Elcock, J. C. & Co., 1291 Dorchester av
Falt, J. P. & Co. (Dealers), 166 Devonshire
Harrington, John (Blue Stone), 166 Devonshire
Maher Bros. (Blue Flagging), 606 Albany
§Mass. Broken Stone Co. (Broken, etc.), 225 Franklin
Meany, Edw. F. & Co. (Cut Contractors, Freestone & Limestone), 554 Albany
§Norcross Bros. Co., 73 Tremont
Sullivan, Wm. J. (Freestone), (Cut Contractor), 99 Southampton
Tide Water Broken Stone Co., 2 Kilby
Troy Bros. & Co. (Soapstone), 975 Mass av
meadow Brownstone)
West Roxbury Trap Rock Co. (Crushed & Bldg), W. R. Messer Bros.
BROCKTON—Long, M. D.
CAMBRIDGE—Bertsch, Wm. A., 4 Cambridge
Ford, Austin & Son (Flagging), 99 Main

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Harrington, Jno. Bluestone), 52 1st, E. C.
Morgan, J. J., 87 Main Cp.
McDonald, A. & Son (Flagging), 563 Mt Auburn
Picker, E. Son & Co. burn
Sands, Geo. R., 457 Mt. Auburn
Scully, John T., 18 1st
Sweatt & Gould, 234 1st, E. C.
TON—Gibson, Geo. S.
T LONGMEADOW—*Archambault, Joseph L. R.
James & Marra (Light Brown Sandstone)
Norcross Brownstone Co. (East Longmeadow Brownstone)
Rankin, J. A. (Cut Contractor)
L RIVER—*Beattie, Wm., 83 N Quarry
Draper, Jas. E., 302 New Boston rd
Wilmot, J. B. (Flagging, etc.), 866 Pleasant
HBURG—Godbeer, Henry
Litchfield, O. E.
McCauliff, F. A.
McCauliff, Jno.
McNally, Jno.
CESTER—Kennedy, Patk.
OKE—Archambault, Joseph L. R.
Cormick, David & Co. (Cut Contractors)
NIS—Nickerson, T. W.
ENCE—Dorman, Jas.
wrence Granite Co.
K—*Clifford's, James Sons (Freestone)
MEADOW—(See East Longmeadow)
LL—Bowden & Colmer, 901 Lawrence
lson, Gus, 1320 Gorham
mb Bros. (Blue), 1258 Gorham
eeler, Chas., 51 Thorndike
-Ames, G. F. & Co.
rill, Geo. B. & Co., 132 Boston
sa & Donnelly (Cut Contractors), 28 Harbor
EN—Weathers, Jos.
EBORO—Richards, Geo. C.
RD—Kinney, A. C.
rcross Bros. Co.
BEDFORD—Foley, Jno.
ue, Jno.
Sam'l F. (Cut Contractor)
llivan, Jno. B. & Son, Hathaway rd
RYPORT—Canning, D. (Cut Contrac'r)
lefield, J. & Son (Cut Contractors)
ADAMS—Meaney & Walsh
itney Bros., 87 Prospect
DY—Joy, Leander F. (Cut Contractor)
ehan, Jas. C.
FIELD—Kirk & Matthews
ple Bros.
—See Granite Producers & Workers
—Curtis, Chas. E. & Son
kland Marble & Granite Works
urke Bros.
FIELD—Casey & Broderick, 553 State
Wm. F. Granite Co., 184 State
, J. P. & Co. (Red Sandstone, Cut Contractors), Armory
es & Marra (Light Brown Sandstone).
egory & Casman, 531 Main 33 Lyman
es & Marra (Light Brown Sandstone, Cut Contractors), 33 Lyman
Jas. (Light Brown Sandstone, Cut Contractor), Bay st. av
Chas. J., 40 Dwight.
. A. D. & Co. (Light Brown Sandstone), 233 Liberty
it, A. H. & Son
N—Sullivan, John B. & Son
M—Waltham Trap Rock Co.
R—Love, J. B. (Cut Contractors)
LD—Westfield Granite & Marble Co.
field Marble & Sandstone Co.
VILLE—*Blanchard, G. M. (Contractor)
TER—Bishop, J. W. Co. (Cut Limestone Contractors), 109 Foster
lin & Crowley, 85 Crescent
oss Brown Stone Co. (East Longmeadow Brownstone, Cut Contractors)
Granite & Construction Co. (Cut Contractors)
Martin (Brownstone), 174 Prescott

MICHIGAN.

—§Fox, Owen (Limestone)
CREEK—McNaughton, Angus J.
Y—Bate, A. & Son (Cut Contractors)
ity Stone Co. (Cut Contractors), 8th
T—*Wallace Stone Co. c Water
AN—Pennell Bros.
—Batchelder & Wasmund (Cut Contractors), 70 Atwater, E
H. A. (Cut Contractor), 1116 Wabash av
s, J., Sons (Building), 145 Griswold
ght Bros. (Stone Yard), 767 Jeff'n av.
Phillip & Sons (Steam Stone Works), 506 Lafayette av
Bros. Co. (Cut Contractors), 1060
ar Quarry Co., 80 Griswold 15th
M. J. (Building), 169 Stanton av
Houghten, H. (Crushed & Building), Hammond bldg
Little, C. H. Co. (Building, Crushed), 40 Fort
Meier, H. A. (Cut Contractors), 519 Bellevue av.
Ortman, F. A. & Co. (Cut Contractors, Saw Mills), 1099 Wabash av
Piggins, Wm. S. Sons, Leland & Dequindre
Robertson, R. & Co. (Cut Contractors), Hastings & Piquette av.
Smith, John B. (Cut Contractors), c Forest av. & Dequindre
Stefani, Angelo, 53 Hale
DOWAGIAC—Rutherford, L. (Cut Contractor)
FLINT—Barney Granite & Marble Works
GRAND RAPIDS—Hirth, A. & Co. (Cut Contractors)
Hirth, F. H.
Schmidt, Matthew (Cut Contractors)
GRINDSTONE CITY—§Cleveland Stone Co.
IONA—Anderson Bros.
KALAMAZOO—Hunn, E. T.
Winslow, Edw. L. (Cut Contractors)
LOWELL—Hamilton, Joseph H.
LUDINGTON—Caswell, C. C.
MANISTEE—Forth, W. J.
MARQUETTE—*Portage Entry Quarries Co.
MENOMINEE—Nowack, F. C.
MONROE—Monroe Stone Co. (Crushed)
MUSKEGON—Bauer & Beamer
Kanits, L. H.
PLAINWELL—Wilson & Mann
PORT HURON—Truesdell Marble & Granite Co.
SAGINAW—Hobson & Co. (Cut Contractors)
Mohr Bros. (Cut Contractors)
ST. JOSEPH—Marshall, Jas.
TRAVERSE CITY—Rickard, A. W.
TRENTON—Mans, N. A.

MINNESOTA.

ADRIAN—Shull, J. & W. C.
BANNING—*Barber Asphalt Paving Co. (Bridge, Curb, Block, etc.)
DULUTH—§Duluth Brown Stone Co. (Brown)
Duluth Crushed Stone Co.
Duluth Monumental Works
*Lake Superior Quarries Co.
JASPER—Jasper Co-Operative Stone Co.
*Rowe & Staples
*Staples, Harry W.
KASOTA—*Babcock & Willcox (Rough, Sawed, Planed & Cut)
§Breen Stone Co. (Limestone)
MANKATO—*Fowler & Pay
*Mankato Lime & Stone Co. (Limestone)
Meyer, A. G.
*Widell Co.
MANTORVILLE—Mantorville Stone Co. (Bridge & Heavy Dimension)
MINNEAPOLIS—*Anderson, Andrew P., 15th av & Johnson
*Aaronson, Bengt, 435 Boston Blk.
Barber Asphalt Paving Co., Security B'k. Bldg.
*Blue Limestone Co., 1529 Central av
§Cook Stone Co., 318 3rd av S
Edwards Bros. Cut Stone Co., 6th & Main
Hastings Cut Stone Co. (Cut Contractors), Main c 6th av, S E
Jones & Hartley (Cut Contractors), 829 S. 17th av
*Kettle River Quarries Co. (Building, Bridge, Paving, etc.)
*Minneapolis Stone Co. (C. F. Haglin & H. N. Leighton Co., Props.), Filmore & 16th av, N E
*Minnesota Crushed Stone Co., 15th av c Johnson
Northwestern Cut Stone Co. (Cut Stone)
*Port Wing Quarries Co. ("Port Wing" Brownstone)
Trainor Bros. (Cut Contractors), Boston blk
*Wunder, John Co. Lumber Exchange
RED WING—*Lillybald, Gust. (Limestone)
ST. CLOUD—Benzil & Campbell (Cut Contractors)
Erickson, Aug. & Co. (Cut Contractors)
*Graham, Robert
*Granite City Granite Co.
*Holes Bros.
*Johnson & Barwick
Jones Bros.
*Noren L. E. & Son
*St. Cloud Granite Works
*Simmers & Campbell
ST. PAUL—*Bielenberg, Chas., Robert & George
§Breen Stone Co. (St. Cloud & Kasota Dressed & Undressed), Germania Life bldg
Dana Warehouse Co. (Building Stone), 1871 University av
*Haebe & Marotzke, Goff av & Roble
Hoy, Wm. J., Chas. of Commerce bldg
*Larson, John, ft Purnell av
Lauer Bros (Contractors), ft of Chestnut
Lauer, Jacob (Cut Contractors), 252 Erie
*Steinmetz, Jno., Oneida nr Grace
*Ulmer, Wm. H. (Cut Contractor), ft of Chestnut
*Woldt, Carl (Limestone), Webster & St. Clair
Young, C. H., Co. (Cut Contractors), 658 Rice
Young, Jas. A. & Sons (Cut Contractors),
SANDSTONE—Hanson, Erick 64 W 7th
§Kettle River Quarries Co. (Building, Bridge, Paving, etc.)
WINONA—*Besans Stone So. (Cut & Rough)
*Winona Stone Co.

MISSOURI.

BETHANY—Kenyon, J. W.
BOONEVILLE—Moore, R. L. & Son (Cut Contractors)
BROOKFIELD—Kent, J. V.
BUTLER—*Day, T. J.
CARTHAGE—Bolle, N. E., Cut Stone & Contr'g Co.
Carthage Building Stone Co.
§Carthage Marble & White Lime Co. (Limestone & Saw Mill)
*Carthage Monumental Stone Quarry Co.
§Carthage Quarry Co. (Limestone & Saw Mill)
§Carthage Stone Co. (Limestone & Saw Mill)
*Carthage Superior Limestone Co. (Cut Contractors)
*Missouri Stone & Construction Co.
*Myers Stone Co.
*Southwest Cut Stone Co.
§Spring River Stone Co.
COLUMBIA—Farley, E.
DE SOTO—Herman, Otto (Cut)
DE WITT—*Carroll County Sandstone Co.
FARMINGTON—Spaugh, Mrs. E. L.
FULTON—Dunkleburg, E.
HANNIBAL—§Hannibal Lime Co. (White Limestone)
JEFFERSON CITY—Vetter, Frank J.
Zuber, Victor
JOPLIN—*Myers Stone Co. (Building & Cut Stone)
KANSAS CITY—Bremer Cut Stone Co. (Cut Contractors), 23d & Central
Carthage Stone Yard
Forrester Bros. Stone Co. (Cut Contractors), 24th & B'way
Lyle Rock Co.
Missouri Crystal Stone Co.
Phelps Stone & Supply Co.
Phenix Stone & Lime Co. (Cut Contractors), 1901 Olive
Sutermeister, Arnold Stone Co. (Cut Contractor)
LOUISIANA—§Crystal Carbonite Lime Co. (Rip ray, etc.)
ST. JOSEPH—Abercrombie Stone Co. (Building)
Maier, Sebastian, 11th & Garfield av
*Pfeiffer Stone Co. (Cut Contractors)
Schall, Chas., 1405 Frederick av
ST. LOUIS—*Algonite Stone Mfg. Co., 701 S. 21st
§Atlantic Quarry & Const. Co., 319 N 4th
*Bambrick Bros. Construction Co., 5229 St. Louis av
*Brockschmitt, Edward, 6533 Manchester av
§Carthage Marble & White Lime Co. (General Dealers), Wainwright bldg
Carthage Stone Co. (Cut Contractors), c Theresa av & Gratiot
*Columbia Quarry Co., 122 N. 7th
§Eyermann, G., Jr., & Bro., 1216 S Grand av
§Fruin-Bambrick Construction Co., 721 Olive
§Grafton Quarry Co. (Sandstone), 205 N. 8th
§Gruetzsmacher, Henry F. & Co. (Cut Contractors), Wainwright bldg
*Hanick Quarry & Constr. Co., Liggett bldg
§Hemsn Construction Co., Fullerton bldg
§Hill-O'Mear Const. Co. (Limestone), 915 Olive
Hoboy & Co. (Cut Contractors), Shreve & Sacramento avs
*Hoffman-Hogan Constr. Co., 2712 Wyandotte
Lohrum Quarry & Constr. Co., ft. Osceola
*Meramec Quarry Co., 101 Barton
Milne & Gordon, Jeff'n av & Mo. Pac. Ry.
§Perkinson Bros. Construction Co., 3237 Carter av
Pickel, Geo. & Sons (Out Contractors), 2015 Gratiot
Pickel Stone Co. (Sawing & Cutting), 1320 Old Manchester rd
Reitz & Bro., 4500 Chouteau av
Ruecking Construction Co., Marine av nr Gasconade
St. Louis Cut Stone Co. (Sawing & Cutting), 3537 Gratiot
Sinclair Quarry & Constr. Co., Wainwright bldg
Skrainka Construction Co. (Limestone), 319 N 4th
Stolle Stone Co., 5127 Cabanne av
Thym Cut Stone Co. (Cut Stone), 1316 Dolman
Voss & Korte, 2846 Palm

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Wall Bros., 2707 Arlington av
Widdicombe, E. H. (Cut Contractor), 816
WARRENBURG—*Pickel, Benjamin Olive

MONTANA.

BUTTE—Walker, E. E.
HELENA—Prescott, A. K. (Cut Contractor)
Smith, O. F.

NEBRASKA.

BLUE SPRINGS—*Davis, Geo. (Crushed, etc.)
GRAND ISLAND—Paine Granite & Marble Co.
Scheffel, William
LINCOLN—Barwick, J. S.
Forburger Co. (Cut Contractors)
Speidell, C. E. & Son
Young, R. S. Building Supply Co. (Dealers)
OMAHA—Bloom, J. F. & Co.
§Murphy, Hugh (Red Sand), Bee bldg
Nebraska Stone Co. (Cut Contractors)
Schall, A. Co. (Cut Contractors)

NEW HAMPSHIRE.

CLAREMONT—Messer, Richard (Cut Contractor)
CONCORD—(See Granite Producers, Workers & Dealers)
DOVER—§Abbott, Samuel B. Dealers)
MANCHESTER—(See Granite Producers, Workers & Dealers)
MILFORD—(See Granite Producers, Workers & Dealers)
NASHUA—Cummings, Chas. E. & Son
Fuller, T. D.
Mulvanity, Thomas
ROCHESTER—Smalley, Hobbs & Hunter
WEST CONCORD—(See Concord Granite Producers, Workers & Dealers)

NEW JERSEY.

ASBURY PARK—Rothfritz, R. E. K. (Blue)
ATLANTIC CITY—Balestrieri, R. & Co. (Cut Contractors)
New Jersey Stone Co. (Cut Contractors)
BAYONNE—Brady, Jas. Sons Co.
BRIDGETON—Applegate Marble Co.
Ogden & Platt
Shaw, Wm. R.
BURLINGTON—Rigg, Edw., Jr.
CALIFON—*Califon Limestone Co.
CAMDEN—McWhirter, W. H. (Cut Contractor)
ELIZABETH—Clark, A. L. Stone Co. (Blue)
McGhee, Geo. & Son
Marron Bros.
ENGLEWOOD—Thompson, Jos. & Son (Cut Contractors)
HACKENSACK—Long, F. R. Co.
Mabie, Elmer
Moriarity Bros.
HARRISON—Harper, David (Blue)
Spurr, J. J. & Sons (Cut Contractors)
HOBOKEN—Barr, Thaw & Fraser (Cut Contractors), 13th & Adams
Birch, Thos. E. (Blue), Willow av nr 16th
Conch, Thos., 15th & Grand
HOPEWELL—*Cope, J. S.
JERSEY CITY—Muirhead, Robt. (Blue), 1st & Provost
Prigge, Henry, 550 Germania av
Shanley, J. F. Co. (Heavy Masonry), 26 Exchange pl
Standard Blue Stone Co., 141 1st
Union Stone Co. (Blue, etc.), 236 Brunswick
KEARNY—Van Keuren & Son, of Jersey City (Crushed, etc.)
LONG BRANCH—Clark & Whalen
MATAWAN—Lupton Bros. (Monumental & Flag)
MILLVILLE—Cory, Charles F.
MONTCLAIR—Espy, Jno.
Wood, Thomas (Blue, etc.)
MORRISTOWN—Dalrymple-Hastings Co. (Cut Stone)
Ennis, C. W. & Co. (Blue, etc.)
Morris County Crushed Stone Co.
Sansom, George (Cut Contractor)
NEWARK—Boyle, Thos. & Co. (Cut Contractors), 174 Riverside av
Brown, Geo. & Co. (Brown Stone, Cut Contractors), 270 Passaic
Brown & Rusling Co. (Blue Stone), 255 Fabyan pl
Carr & Ball (Cut Contractors), 111 Passaic av, Harrison
Cook & Genung Co., 16 Jersey
Gerberich, Bernard, 180 Ridge
Hoerner, H. J. & Sons (Cut Contractors).
Kisling, Edw. J., 184 Elm
Lister av
Monaghan Stone Co., Plum Point rd
§Newark Blue Stone Co. (Blue), 120 Passaic
Powers & McGowan (Cut Contractors), 470 S Orange av
Reilly, Jno. E. Stone Co., 10 Riverside av
Sayre, Marcus Co., Centre St Bridge
Schreitmueller, Henry (Cut Contractor), 184 Waverly av,
§Shanley's B. M. Sons Co. (Heavy Masonry), 325 Badger av
Tomkins Bros. (Crushed), 78 Passaic
Whitman, Jno. (Curbing, Flagging, etc.), 157 Summer av
Woodward, A. H. & Co. (Blue and Cut), 120 Passaic
Young, R. & Son, 9 Grafton av
NEW BRUNSWICK—Cole, Thos. C. (Cut Contractor)
Mooney, Hugh J
ORANGE—§Spottswoode-Cusack Co.
PATERSON—McKiernan & Bergin (Crushed, Paving & Building), 1st Nat'l Bank bldg
PERTH AMBOY—Wilbert, Charles E. (Blue)
PLAINFIELD—Bartle, Wm. E. (Building)
Lannon, John (Blue)
Manning, L. L. & Son
Smalley, N. H. & Co. (Crushed)
POMPTON—*BROWN, HERBERT L. Co. (Granite, Marble & Limestone). (See adv. index, end of book)
RIDGEFIELD—*Heisenbuttle, C. (White, Foundation & Building Stone)
ROCKY HILL—*Delaware River Quarry & Const. Co. (Crushed & Paving Blocks)
SCOTCH PLAINS—*Fanwood Stone Crushing & Quarry Co. (Crushed Stone)
SOMERVILLE—Sargeant Bros. (Flagging)
STOCKTON—*Eastburn, Chas. T. & Co.
*Twining, S. B. & Co.
SWEDESBORO—Hannold, W. H. & Sons
TOWN OF UNION—(See Weehawken)
TRENTON—Eppele, F. J. (Blue), 430 Perry
Hutchinson, T. A., Brennig av nr Mead
McDonald, Alex. Co., 842 Centre
Prior & Brock (Cut Contractors)
*Richardson, Jos. B. & Sons (Dealers), 120 S Stockton
Richardson, Percy B., 26 Commerce
Swayze, H. M. & Son, 26 S Stockton
VINELAND—Kimball & Prince Lumber Co.
WEST ORANGE—§O'Rourke, John
WOODBURY—Snellbaker Bros.

NEW YORK.

ALBANY—Brooksby, Charles (Cut Contractor) 245 Hudson av
Flagler & Vedder (Cut Contractors)
Flint Granite Co.
Gazley & Moffitt, 505 S Pearl
Little & Bransfield, Bridge c Mill
Nolan & Donnelly (Cut Stone), 4th av & Church
Ross, Adam & Son (Cut Contractor), Bway
Zeiser, Jno., 523 S Pearl & Shaker Mill
ALBION—Albion Sand, Gravel & Stone Co.
*Fancher, Edward F.
*Orleans County Quarry Co.
*Reed, Allen & Reed
*Ryan, M. A.
ALLABEN—Ulster & Delaware Bluestone Co.
AMSTERDAM—Hennessey, Wm. E.
AUBURN—*Goodrich, C. E.
Robinson Monument Co.
BEGELOW—*Williams, Chas. & Co. (Limestone & Flux)
BINGHAMTON—Ingalls Stone Co. (Cut Contractors, Steam Cut Stone Works)
Lander, Isaac & Son
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—*Appenheimer, Jno. L., Fillmore & Appenheimer ave
Ball & Wittig (Cut & Flagging), North c Ellicott
*Buffalo Cement Co. (Ltd.) (Building, Dimensions & Cut), 110 Franklin
*Buffalo Crushed Stone Co. (Crushed, Ballast Stone, etc.), Ellicott sq
Carroll Bros. (Blue, etc.), 490 Ellicott sq
Dehn, C., c Louisiana & Perry
Empire Limestone Co., 4th & Virginia
Frontier Ice & Stone Co., 1903 Fillmore av
§Gehres, Anna, 1908 Fillmore av
Kehr, A. P. (Cut Stone & Flagging), ft Church
§McDonnell & Sons (Cut Contractors), 858 Main
Maltby, Geo. W. & Sons (Cut & Flagging), 21 Maryland
Queen City Cut Stone Co., 94 Goodrich
Reeb, M. A., 599 Michigan
Rupp, John J., 2135 Fillmore av
*Schreier, Sebastian, 1855 Fillmore av
Star Cut Stone Co., 215 Oak
CALLICOON—Dearing, John
§Dershacker, Val.
CATSKILL—§Holdridge, Geo. W. & Son
CHAUMONT—§Adams & Duford Co.
COEYMANS—*Briggs, Jno. W.
CORTLAND—Beers & Warfield
DOBBS FERRY—Besson & Co.
DUNKIRK—Atlas Builders Supply Co.
EAST AURORA—Griggs & Ball (Flagging)
ELMIRA—Allen, Chas. A. (Cut Contractor)
§Costello & Neagle (Limestone)
Yenger, B. (Cut Contractor), E Church
EVERGREEN—(See New York City, Borough of
FISHS EDDY—Nevins, Jas. & Sons
FORT PLAIN—Selwood, Frank J.
FREDONIA—§Forbes, Geo.
GLENS FALLS—Finch, Pruyn & Co. (Dealers)
McHugh Bros.
Thomas, Andw.
GLOVERSVILLE—Adirondack Stone Co.
Hunter & Son
Starr, Z. B. (Cut, etc.)
GOUVERNEUR—Gouverneur Marble Co.
Northern Crushed Stone Co. (Crushed)
GRANVILLE—*O'Brien Bros.
GREEN ISLAND—Kelly, E. & Co.
HALE EDDY—*Begel, Grant
Travis & Kingsbury (Blue stone)
HANCOCK—*Kirkpatrick Bros.
§Randall, W. I.
HANKINS—§Manny, Anthony & Co. (Blue)
HIGHLAND FALLS—Muller Bros. (Blue)
HOLLEY—§Farrand, Wm. H.
*O'Brien & Co.
HONEOYE FALLS—Harris, Dennis
Hart, Frank J.
HOOSICK FALLS—Hocter Bros.
HORNELL—Babcock, W. W. & Co.
HUDSON—Hoctor & Son
HULBURTON—*Ford, A. B.
*Jones & Co.
*Squires, A. J.
*Vincent, Edward & Co.
HUNTINGTON—Lockwood, Everett
ITHACA—Storms, J. B.
JAMESTOWN—§Jamestown Shale Paving Brick
Pearl City Stone Co. (Cut Stone)
KINGSTON—Hudson River Blue Stone Co.
Kent, W. J.
LE ROY—*Heimlech, John
Keeney, N. E. & Son
LOCKPORT—Bendiuger, John
Bendiuger, L.
Crowe, Michael J. (Building)
Stainthorpe, C. N. & Co. (Building)
§Whitmore, C. B. Co. (Sandstone)
LONG EDDY—Fritz, Jno. & Son (Bluestone)
*Kenny Bros.
*Peak, Cyrus (Bluestone)
LONG ISLAND CITY—(See New York City, Borough of Queens)
MAMARONECK—Brewer, R. G. (Flagging)
Moffat, L. (Blue)
MECHANICSVILLE—Hoskins, C. E. (Flagging, etc.)
MEDINA—§Horan, Jno.
MIDDLETOWN—Wagar, David P. (Blue)
MOUNT KISCO—Gorham, D. F.
MOUNT VERNON—Smith, Samuel F.
NARROWSBURG—§Partridge, Jere (Bluestone)
NEW BALTIMORE—Fuller, W. D.
*McCabe, Edward
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Crawford, Wm. (Est. of) (Pres. Blue & Free Stone), 22 Lester
Dwyer, M. J. (Blue & Flagging)
Forson & Ross
Fletcher, Wm. F. (Cut Contractor)
§Harrison, John J. E. (Dimension)
§Miller, D. C. (Crushed & Building)
Miller, Geo. W.
NEW PALTZ—*Hasbrouk, J. J. & Co. (Bair Stone)
NEW ROCHELLE—Mahlsted, J. A. Lumber & Coal Co.
New Rochelle Coal & Lumber Co. (Flagging, etc.)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Baird, A. D. & Co. (Cut Contractors) Wythe av c Kent
Brownsville Cut Stone Co. (Brown), 200 Bristol
Baird, Andrew R. (North River Blue Stone), Wythe av & Hooper
Burns, John & Son (Blue), 180 6th
Candee, Fred'k R. (Blue), Hamilton av & 19th
Christman, Theo. G. (Cut Contractor), 27 Heyward
Clark, Edw. Blue Stone Co., c 4th av & 2d
Cohn Cut Stone Co. (Cut Contractors), Rockaway av & Dumont av
Curran Bros. & Murphy (Cut Contractors), Douglas st & 4th av
Dean, Thos. & Co. (Cut Contractors), 141 2d
Donaldson, James (Free), 70 9th
East N. Y. Cut Stone Co. (Brown), Blake & Rockaway ave

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Gabriel, Wm. (Brown), 109 Knickerbocker av
Gold & Taylor (Cut Contractors), 3rd av & 1st
Harnden, James H. Co. (Blue), 991 Grand av
Harrington, Michael J. (Blue), 41 Heyward
Heinlein, John Cut Stone Co. (Cut Contractor), 555 President
Johnson, Patrick J. (Blue), 341 Butler
McLaren, Jas. & Son (Cut Contractors), Court & Bay
Moran, John W. (Est. of) (Blue), Hamilton av & Hicks
Mouter, Geo. (Cut Contractors), 21 Varick
O'Brien & Chambers (Blue), 347 Columbia
Parker, Thos. Co. (Cut Contractor), 1259 Flushing av
Putnam, W. K. Co. (Blue), 5123 3d av
Rankin & Ross (Cut Contractors), 372 Carroll
Reilly, Thomas (Indiana), Montauk & Atlantic avs
Ross, Wm. S. (Cut Contractor), 254 Douglas
Ryan, N. Co. (Blue), 491 Smith
Schmitt & Hohman (Cut Stone), 53 Irving
Starr, James (Blue), 174 9th
Steinberg, I., 508 Rockaway av
Sussman Bros. (Brown), 354 Elmrod
Thompson & Pilzer (Free), Watkins & Lott
Trudden, M. (Blue), Van Sindren av

Boroughs of Manhattan & Bronx.

NEW YORK—Acra Blue Stone Co., 6 Harrison
Algie, R. J. (Crushed Stone), 9 W 67th
Altieri, M. & Sons, 468 Concord av
Annett & McConnell (Stone Yard), 6 W 14th
***BEDFORD QUARRIES CO.** (Blue & Buff, Oolitic, Ind., Limestone), 1 Madison av. Quarries & Mills: Oolitic, Ind. (See adv. on front cover)
Bellows, Chas. H., Cut Stone Co., 503 E
Best, Jno. (Blue), 418 E 92d 115th
Borough Cut Stone Co., Walnut av & 142d
Bradley, Wm., & Son (Cut Stone), 90 West
Brohmer Bros. (Cut Stone), Unionport
Bronx Granite & Blue Stone Co., Rider av & 140th
Brown, Geo., & Co. (Cut), 1123 B'way
Brown & Pirie (Cut Contractors), 135th & Canal pl
***BROWN, HERBERT L. CO.** (Granite, Marble & Limestone), 26th & 5th av. (See adv. Index, end of book)
Builders' Stone Contracting Co. (Brown, etc.), Unionport
Cardo, V., & Son (Stone Yard), Cypress av & 132d
Carlucci Stone Works (Indiana), 135th & Canal pl
Cleveland Stone Co. (Sandstone), 285 Front
*Clinton Point Stone Co. (Crushed Stone, etc.), 115 B'way
Cohen, Michael & Co. (Freestone, etc.), 1133 B'way
Conlon, Jas. W. (Blue Stone), Av A & 65th
Cosgrove Bros. (Cut Contractors), 610 W 57th
Coogan, Wm. (Blue), 4775 Park av
Cullen, Jno., & Co. (Cut & Free Contractors), 333 E 107th
Devoy, Wm. R. (Blue), 532 W 44th
Dix, Chas. H. (Freestone), 60 Wall
Deposit Stone Co. (Blue), 280 B'way
Dilizia, R., & Co. (Stone Works), 2663 Decatur av
Doyle, Geo. & Co. (Indiana Limestone), 287 4th av
Dunn, Bartholomew (Blue Stone Contractor), 444 E 68th
Dunn, Thos. (Blue Stone), 428 E 68th
Erie Blue Stone Association, 280 B'way
Ferguson, Chas. H. (Crushed Stone), 30 Church
Ferguson, J. B. (Cut Stone), Ittner pl & Webster av
Finney, C. H., & Sons (Stone Contractors), 139 W 53rd
Fisher, R. C. Co. (Cut Contractors), 130th & Locust av
FLEMING & CO., 253 B'way. (See adv. Index, end of book)
Flogaus, G. M., & Co. (Blue Stone), 245 E 138th
Foland, Peter (Blue), E 135th, nr Park av
Gentile, Michael E. (Blue Stone), 140th & Rider av
Gill, W. H. & Co. (Blue Stone), 1 Madison av
Gillings, Peter C. (Blue Stone), 783 E 210th
Getter, Fred (Broken Stone), 2384 B'way
Halloran & Nevins, 638 W 51st
Hanlein, Henry, & Son (Cut Contractors), 417 E 103d
Henry, M. C., & Co. (Steam Stone Works, Brown & Indiana Stone Cut Contractors), 403 E 104th
Hudson River Blue Stone co. (Blue Stone, Wholesale), 50 Church
Hutchinson, John, & Son (Cut Contractors), 2383 1st av
*Kirkpatrick Bros. (Blue Stone, Wholesale), 258 B'way
Klingenbeck & Co. (Cut Stone), ft of E 106th
Larocca, T., Costanzo, F., & Co., 2393 Arthur av & 187th
La Spina-Morris Cut Stone Co. (Cut Stone), ft E 108th
Lenahan, Bernard J., 293 Rider av
LEOPOLD, J. & CO. (Crushed Stone, Granite, etc.), 18 B'way. (See adv. Index ,end of book)
Liddle, John, Cut Stone Co. (Cut Contractors), 402 E 107th
Lockwood, Alexander (Blue Stone), 637 W 130th
Lockwood, David T. (Blue Stone), 280 B'way
Lodge, Martin P. (Blue, Contractor), 532 W 44th
McCarthy, J., & Co. (Stone Yard), 640 W 51st
Manne, A. Co. (Blue Stone), 280 B'way
Marine, Arlando (Wholesale Dealers in Blue Stone), 7 E 42d
§Maxwell's, Jno., Son (Blue Stone, Wholesale), 51 Chambers
Meyers, Augustus (Cut Blue), 542 W 21st
Miller, David (Stone Works), 315 E 103d
Moran, D. W. (Blue Stone), 562 Burnside av
Nevins, Edw. J. (Blue Stone)
New York Cut Stone Co. (Cut Contractors) Avenue A & 68th
Norcross Bros. Co., 160 5th av. (Quarrymen and General Contractors in Granite, Marble & Stone; Large Structures a Specialty)
O'Connell, Michael (Blue Stone Contractor), 537 W 40th
OHIO QUARRIES CO. (Blue & Buff, Ohio Sandstone, Sawed Stone a Specialty), 1 Madison av, Quarries & Mills, Amherst, Ohio
Pagano, Jerome & Co. (Blue Stone), 444 E 104th
Penney & Bunt (Stone Yard), 132d & Willow av
Perry-Matthews-Buskirk Stone Co., 200 5th av
PICTON ISLAND RED GRANITE Co. (Pink & Red Granite), 320 5th av. (See adv. Index, end of book)
Rutledge, James (Blue Stone), 532 W 44th
Scully, Jno. H. (Bluestone Contractor), 431 E 101st
Seus, Rudolf (Cut Contractor), 406 E 100th
Sherwood, G. P. & Co. (Wholesale Dealers, All Kinds), 1123 B'way
§Sinclair, Jas., & Co. (Cut Contractors), 413 E 29th
Smith, Clarence P., 421 E 103d
Smith's, Jno. E. Son (Cut Contractor), 421 E 103rd
Stockinger, Jacob (Blue), 332 E 64th
Sweeney, Peter B. (Blue), 206 B'way
Symmers, Jno. H. (Cut Stone), Brook av & 167th
Tompkins-Kiel Marble Co., 505 5th av
Underwood, C. R. (Blue), 280 B'way
Vairo, George (Blue Stone), 608 Wales av
Valentine, V. & Co. (Cut Stone), Walnut av & 142nd
Vesey, Jno. (Blue Contractor), 1121 1st av
Williams, B. A. & G. N. (Cut Contractors), 68th & Ave A
Woodward, C. F. Co. (Brownstone & Limestone), 1123 B'way
Woody, Howard L. (Freestone), 287 4th av
Young, Jas. H. Stone Co. (Cut Contractors), E 136th & Locust av

Borough of Queens.

EVERGREEN—Evergreen Steam Stone Works (Breitenbach & Ruppenstein, Props.)
FAR ROCKAWAY—Mills, Elmer D. (Cut Contractor)
FLUSHING—Styles & Doughty
LONG ISLAND CITY—Beasley, Fitzpatrick Co. (Blue Stone)
Bradley, Wm. & Son (Cut Contractors), Vernon av
Brown, Geo. & Co. (Cut Stone)
Call, Geo. & Co. (Cut Contractors)
Dolan, James (Blue Stone)
Gillies, Jas. & Sons (Cut Contractors)
Horn, Michael Co. (Blue Stone)
Jackson-McGlade & Co. (Cut Stone)
McWhirter, W. H. Co. (Cut Contractors)
Miller's, Edwin, Sons (Cut Contractors), Boulevard & Bodine
Morrison, David G. (Cut Contractor), 373 Vernon av
Reilly & Whalen (Blue), 74 Celtic av
Shuttleworth, Edwin, Co. (Cut Contractors), Graham av & E R, Astoria
Williams, B. A. & G. N. (Cut Contractors), Mill & Orchard, Astoria
METROPOLITAN—Seitz, Jacob (Free Brown Werner Bros. (Freestone) Stone)

Borough of Richmond.

NEW BRIGHTON—Hart, P. & Sons

(End of New York City)

NYACK—Nyack Trap Rock Co. (Sand, Gravel, Trap Rock & Broken Stone)
OLEAN—Foley Bros. Co.
ONEONTA—Dauley & Wright
§Ingalls Stone Co.
PATCHOGUE—Bailey, E. & Sons
PHOENICIA—McGrath, Jno. L. (Blue Stone)
PORTAGEVILLE—*Portageville Blue Stone Co.
PORT CHESTER—Kidder, J. W. & Co.
Merritt, H. A.
Ryan, W. Co. (Bluestone)
PORT JERVIS—Bennett, Jno. E.
Nespraso, Wm. J.
POTSDAM—§Potsdam Red Sandstone Co.
Watson & Seager (Sandstone)
POUGHKEEPSIE—Joy, Walter A.
Seamon, Thomas H. (Blue Stone)
ROCHESTER—Brayer & Albough, Sherman & Baner
Carson, Wm. & C. H. (Cut Contractors), 54 Plymouth av
§Foery & Kastner, N Goodman & Central Park
Lauer, Fred C. & Sons, 458 & Clinton av
Oliver, H. T. (Cut Contractor), 328 South av
§Whitmore, Rauber & Vicinus (Cut Contractors), Goodman opp Central pk
ROCK GLEN—*§Bluestone Co.
ROCKLAND LAKE—Clinton Point Stone Co.
Rockland Lake Trap Rock Co.
RONDOUT—(See Kingston)
ROSCOE—Lupton, N. L. (Est. of) (Blue Stone)
Reynolds, W. J. (Blue Stone)
*Shaw, Herbert
SAUGERTIES—Maxwell's, Jno. Sons (Blue)
SCHENECTADY—Crane-Vedeer Co.
Kellum & Shaffer (Cut Contractors)
Kluum, Andrew
SCHOHARIE—*Mix, Frank G. (Blue & Gray Limestone)
SODUS CENTER—§Mather, E. B. (& Crushed)
SYRACUSE—Arnold, Conrad, 903 Montgomery
Britton, Israel E. (Building & Flagging), 180 E Brighton av
*Canal Quarry Co. (Crushed, Dimension, Building & Gray Limestone)
Crabtree, Jno. & Son (Cut Contractors & Flagging), 417 Burt
Nies, Adam F. (Flagging Yard), 337 W Jefferson
§Orleans Sand Stone Co., 438 S Salina
Thomas, Chas., 1103 S State
TARRYTOWN—Dinkel & Jewell Co. (Blue & Sackett, S. J. (Est.) Building)
TOMKINS COVE—§Tomkins Cove Stone Co.
TROY—Grant, Chas. M. (Freestone), c Cemetery 7th ave
Lee, Jas. F. (Cut & Blue), Smith av nr Young, Wm. H., Jr., 330 8th River
Young's Sons & Co., 177 3d
TRUMANSBURG—*O'Hara, Peter
TUSTEN—Clark, Michael T. (Blue)
Hankins, W. H. (Blue)
UTICA—Conley, F. E. Stone Co. (Blue & Crushed)
Fuller's Electric Cut Stone Works, Sunset av
McNierney Bros. (Flagging & Cut Contractors), 38 Erie
Utica Stone & Construction Co.
VERPLANCK—*Clinton Point Stone Co.
VOORHEESVILLE—*Cummings Bros. (Blue)
WALTON—Shaw, Herbert (Blue Stone)

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WARSAW—§American Blue Stone Co.
*Portageville Blue Stone Co.
§Warsaw Blue Stone Co.
WATERLOO—§Thomas, G. C. & Bros.
WATERVLIET—Hughan, Jas. E. (Cut Contractor)
WATKINS—Hoare, Geo. E. & Co.
YONKERS—Corkery, Jno. J. (Blue), 169 Riverdale av
Kellock, Campbell & Kellock (Blue), ft of Ashburton av

NORTH CAROLINA.

ASHEVILLE—*Balfour Quarry Co.
CHARLOTTE—Durham, I. W.
Ward, W. W. & Co. (Dealers)
GREYSTONE—*Linehan, P. & Sons (Cut Contractors)
HICKORY—Elliott, Jos. D.
MOUNT AIRY—Granite City Cut Stone Co.
SALISBURY—Carolina Marble & Granite Co.
SANFORD—Carrington & Gonella Stone Co.
WILMINGTON—§Tucker, H. A. & Bro. (Cut Contractors)
WINSTON SALEM—§Bennett Bros.
§McGalliard Granite Co. (Stone Cutters)

OHIO.

AKRON—Akron Supply Co. (Dealers)
Crisp, Geo. & Son (Building, etc.)
Schuler, Chas. & Son
ALLIANCE—Devine, J. C.
Hudson, C. E. (Flagging, etc.)
Tullis, Ira & Son (Flagging)
AMHERST—**OHIO QUARRIES CO. (Buff & Blue Ohio Sandstone, Sawed Stone a Specialty)**
ASHTABULA—Robinson, M. C. & Co.
Smith, Wm. & Son
BEACH CITY—*Winfield Bros. & Co.
BELLEFONTAINE—§Bellefontaine Stone & Lime Co. (Crushed, Ballast, etc.)
Patterson, W. T.
BELLEVUE—*Bellevue Stone Co. (Crushed)
BEREA—Bluffton Stone Co.
*Middleburg Stone Co. Office, Elyria, O.
BERLIN HEIGHTS—§Baillie Stone Co.
BLOOMVILLE—*France Co.
BLUESTONE—*Maxwell-Rolf Stone Co.
Newcomb, W. B. (Sandstone)
BLUFFTON—*Buckeye Stove Co.
Siddall, L. J.
CAMBRIDGE—Fyles, Thos. (Flagging)
CANTON—Bauhof Bros.
Lang, E. D.
CAREY—*National Lime & Stone Co. (Crushed, etc.)
CINCINNATI—Agness, Jas. W., Builders' & Traders' Exch
§Bauer, Jno. G., Quebec rd nr Liberty
Bloomington-Bedford Stone Co. (Indiana Oolitic Limestone), Groton bldg
§Buckeye Marble & Freestone Co. (Cut Contractors), 3d & Eggleston av
Buente, Louis C. (Stone Yard), 3064 Spring Grove
§Buetsche Bros., Wine Press rd nr Tusculum av
Caden, Otto, Mitchell bldg.
Contractors' Stone & Gravel Co., Builders' & Traders' Exch
Dayton Limestone Co. (White Limestone), 15 E 3rd
Donnelly & Dovey Const. Co., Union Trust bldg
Enterprise Stone & Granite Co., Reading rd
Graveson, Wm., Symmes nr Montgy rd
Gray, E. F., Grand Opera House bldg
Hall, Thos. J., ft Vine
§Hillsboro Stone Co., Bldrs' & Traders' Ex
Holley, C. E. (Freestone & Sandstone), Johnston bldg
Hummel, David Building Co. (Cut Contractors), 2629 Spring Grove av
*Juniet, Louis & Bernard, 2034 Baltimore av
§Kemper, Joseph, Purcell av n Murdock av
*Kentucky Freestone Co. (Inc.) (Blue, Buff Olive Rockcastle Stone), 2629 Spring Grove av, Mills: Langford, Ky.
§Kentucky-Rockcastle Stone Co., Bldrs' & Traders' Ex
Lang, C. & Co. (Cut Contractors), Woodward & Spring
McClure, T. F. & Sons Co. (Dealers), 43 Perin bldg
*McDermott Stone Co., Bldrs' & Traders' Exch
McDonald, Charles (Cut Contractor), 1223 Poplar
Mersch's, Frank Sons, 1548 Freeman av
Miami Stone & Gravel Co., Builders' & Traders' Exch
Moores-Coney Co. (Limestone), Union Trust bldg
Nagele, Anton, 2168 Western av
Pielage, Henry & Co. (Freestone & Limestone), 1014 Flint
Raff, Allan Ross, Mitchell Bldg
Ridgway, J. B. (Indiana Flat Rock), Grand Opera House bldg
*Rockcastle Stone Co. (Blue, Buff & Grey), 414 E 8th
§St. Paul Stone Quarries Co., Union Trust bldg
*Stagge, Hy. & Sons, Madison rd n Beechwood av
*Thomas, Warren, Bodley av n Mt. Hope av
*Wagner Bros., Union Trust Bldg
Ware, J. R. & Sons, 19 E Water
World's Fair Wrecking Co. (Freestone, etc.), Richmond & Horne
CLEVELAND—*Amherst Quarries Co., The Arcade
BEDFORD QUARRIES CO. (Blue & Buff Oolitic Ind. Limestone), 818 Euclid av. Quarries & Mills Oolitic, Ind. (See adv. on Front Cover)
Blum & Delbridge (Cut Contractors), Bittern av & E 73rd
Brook, John & Son (Cut Contractors), 2169 E 28th
§Caine Stone Co. (Sandstone), Warner rd & C & P Ry
Carabelli, Jos. (Contractor), Euclid av opp Lake View Cemetery
§Cleveland Stone Co. (Sandstone, Blue, Buff, etc.), Hickox Bldg
*Columbia Stone Co. of Cleveland (Sandstone), Soc. for Sav. bldg
Elyria Stone Co., Columbus rd & French
§Euclid Stone Co., Garfield bldg
Holland, John, The Arcade
Holran Stone & Lime Co., Rockefeller bldg
§Malone Stone Co. (Sandstone, Blue, Buff, etc.), Garfield bldg
§Maxwell-Rolff Stone Co., Arcade bldg
Neff, Harry A., 2083 E. 105th, S. E.
Newcomb, W. B., 40 Lockwood, E. C.
§Norcross Co., 1264 Riverbed av, N W
OHIO QUARRIES CO. (Blue & Buff, Ohio Sandstone, Sawed Stone a Specialty), 818 Euclid av. Quarries & Mills, Amherst, O.
§Portage Entry Quarries Co., Garfield Bldg.
Rothacker, J. A. & Co. (Cut Contractors), W 3rd & Central Viaduct
*Spence Bros. (Crushed Limestone & Trap rock), 12,409 Euclid av
Turner, A. W., Columbus & French, N W
COLD SPRINGS—*Strunk-Meyer Lime Co.
COLUMBUS—§Casparis Stone Co., Clinton Bldg.
*Columbus Macadam Co., 319 Dublin av
§Fish Stone Co. (Cut Contractors), 202 W
Kients, John, 464 W. State Main
Kissinger, Elias C. (Dealer in Freestone), 30 Swan
Lang, E. & C. (Cut Contractors), 551 S 5th
Lawson, Robert, 1134 N. High
Seeger, J. F., 692 E Fulton
Sharp, R. L., Stone Co., Harrison Bldg.
Wittenmeier Stone Co., s s Mound n of H V R'y Sta.
Woodruff & Pausch Stone Co. (Crushed)
CONSTITUTION—*Cleary, Thomas
§Constitution Stone Co. (Sandstone)
COVINGTON—*Jackson, C. H.
Ruhl, J. W.
CRESTLINE—Kress, J. A.
DAYTON—Dayton Limestone Co. (White Limestone), Perry & Baker
Herman Bros. (Cut Stone & Mills), Burns av e of Warren
Luyster, W. W. (Cut Contractor), Conover bldg
*New Jasper Stone Co., 1231 E 1st
*Mallow & Long, 1st & Harshman
DELPHOS—*Fisher, Aaron
*Fisher, A. L. (Building & Crushed)
EAST LIVERPOOL—Phillips, George J. (Contractor)
EATON—Holland, Hy. F.
ELYRIA—§Elyria Stone Co. (Sandstone)
*Grafton Stone Co. (Blue & Buff Building, Sawed, Flagging, etc.)
Middleburg Stone Co. Quarries, Berea, O.
*Smallwood, Edward
EUCLID—*Burgess, Clarence H. (Crushed)
FINDLAY—Hancock Stone Co. (Crushed, etc.)
Morrison, P. B. (Est. of)
Shea, Jas.
Smith, A. M.
Tarbox & McCall (Crushed, etc.)
FREMONT—Gottron Bros.
FULTON—*Fulton Stone Co.
GALION—Longstreth, T. W.
GENEVA—Stephens, C. S.
GRAFTON—§Grafton Stone Co. (Blue & Buff Sandstone)
GREENFIELD—§Rucker Quarries (Limestone)
Sellers, James H.
HAMILTON—Horsmyder, F. (Cut Contractor
Stewart, F. P. Granite Co. (Cut Contract
HOLLAND—*France Co.
IRONTON—Wileman & Hebling
KELLEYS ISLAND—Kelly Island Lime & Transport Co.
KENTON—Burkart, John (Flagging & Build
Kenton Marble & Granite Co. ing Stone)
LEWISBURG—*Lewisburg Stone Co.
LIMA—Heil, Valentine (Dealer)
Lima Cut Stone Co. (Cut Contractors)
West, Wm.
Westerly Granite Co.
LITHOPOLIS—Leindacker, Mrs., & Son
LOWELLVILLE—*Carbon Limestone Co.
LUDLOW—*Maxwell, A. A.
McDERMOTT—§McDermott Stone Co. (Blue
*Waller Bros. & Buff Sandstone)
MADISONVILLE—Julien, Jas. (Cut Contractor)
MANSFIELD—*Frances E. H. Sons (Crushed
Fraser, Alex. & Co. Limestone)
Preston, Burton
Thomson Granite Co.
Wolff, E. M. & Co.
MARBLE CLIFF—*Casparis Stone Co.
MARIETTA—Dickison & Beardsley
McLaren & Wummer
*Marietta Stone Co.
Meisenhelder & Leonhart
MARION—§Evans, John, Lime & Stone Co
*Hamilton, J. M.
*Lawrence, Daniel
*Marion Lime & Stone Co.
MARTINS FERRY—Hanes, J. T.
MASSILLON—Massillon Sand & Stone Co. (Sandstone)
*Massillon Stone & Firebrick Co.
Meinhart, Jno. & Son (Contractors)
*Sonnhalter Sand & Stone Co.
MAUMEE—*Ryan, C. W.
MESOPOTAMIA—Bridgden, H. A.
NEW PHILADELPHIA—Belter, Jos.
NORWOOD—Stagge, Henry
PATTERSON—*Herzog, Jno. & Son (Building)
PIQUA—Ohio Marble Co.
§Statler Stone Co. (Limestone)
POMEROY—Bauer, Geo., Sr. (Flagging)
PORTAGE—*Neurenberger, Wm.
PORTSMOUTH—*Bodmer Bros.
§Reitz Stone Co. (Buff, Blue & Brown Sandstone)
RARDEN—*Taylor Stone Co. (Blue, Buff & Gray Sandstone)
READING—Fuchs & Co.
ST. BERNARD—Broxterman, Frank
SANDUSKY—Keim, C.
Sandusky Sand Co.
SPRINGFIELD—Crist, Wm. L., Jr.
§Houlton, Saml P., Lagonda Creek
§Mills Bros. (Building, Bridge, Flagging, etc.)
§Rubsam, Earl J., Mad River nr National Rd
§Taylor, Samuel S., Dayton pike n Corp
STEUBENVILLE—Archer Marble & Granite Co
*La Belle Iron Works (Limestone, all Consumed by the Company)
McCarty, A. J.
Steubenville Stone Co.
SUGAR GROVE—§Sharp, R. L. Stone Co (Sandstone)
SUNBURY—*Sunbury Stone Co.
SYLVANIA—*Sylvania Stone Co. (Crushed
TIFFIN—Stewart, George etc.)
Stewart, George
*Weot, Geo. A.
West Lime & Stone Co.
TOLEDO—Eckhardt Monumental Co., 304 Monroe
Finucan, T. H. (Cut Contractor), Elm & W & L E R R
Hummel, W. W., Hamilton & Clover Leaf R. R.
Knopp Bros. Co. (Cut Contractors), C C & Belt Line Ry
Libbe, Henry (Flagging, etc.), Champlain nr Elm
Lloyd Bros. Co., W Central & Auburn ave
Miller, Christ. J., Cham. of Commerce
Neukom, Albert (Cut Contractor), 16 Ottawa
Ohio Stone, Cement & Const. Co., Bldrs' Exchange
Peck, C., & Son (Cut Contractors), 306 Monroe
Toledo Stone & Glass Sand Co., Ohio bldg
UPPER SANDUSKY—Neidig, Jos.
URBANA—Bunnell, D. M.
Heatherman, Pat'k
VAN WERT—*Erie Stone Co. (Crushed
WADSWORTH—Hockensmith, Bros. etc.
WARREN—Warren Marble & Granite Co.
WASHINGTON, C. H.—Burke, P. J.

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TERVILLE—Ryan Stone Co.
T CLARKSFIELD—*Warner Stone Co.
TE HOUSE—§Pray Stone Co.
Ryan, Jno. (Crushed, etc.)
STER—*Winter, Jno. F.
NGSTOWN—*Arrel Limestone Co.
Bessemer Limestone Co. (Limestone)
ampbell Bros. Co. (Dealers)
auser, Christian
Lake Erie Limestone Co.
Quaker Falls Stone Co.
Union Limestone Co.
ESVILLE—Cary, F. S. & Co.

OKLAHOMA.

AHOMA—West & Creath

OREGON.

INGTON—Oregon Marble Co. (Cut Contractors)
LAND—*County Quarry, Council Crest
oenix Stone Co., Failing bldg
. Helens Quarry Co. (Building Stone, etc.). Front & Ankeny

PENNSYLVANIA.

TOWN—Ochs, M. T. J.
e & Sacks (Cut Contractors)
nig & Bear
emaker, G. W. (Dealer)
NA—*Bell Bockel Stone Co. (Crushed, etc.)
nd Construction Co. (Cut & Flagging)
liams, W. R.
LLE—*Batdorf & Forney
ard, J. B., & Son
canite Limestone Co.
d, H. A. (Cut Contractor)
ALE—*Williamson, F., & Co.
ELSVILLE—Hoffman, Oliver
EHEM—Bethlehem Lime & Stone Co.
ORO—*Dyer, Jno. T., Quarry Co.
SVILLE—Murray, C. F.
ORD—Kelly, D. J. (Cut & Blue)
PORT—*Tyson, Jacob L.
Conshohocken Stone Co.
—Banister, Jos. (Flag & Bldg. Stone
m, W. F. (Building) Cutter)
SVILLE—Wright's, T. S. Sons
NT—*Maher, Philip.
—†Schaffner, Geo.
CREEK—*Blair Limestone Co (Limestone)
—*Lake Erie Limestone Co. (Limestone)
Limestone Co. (Limestone)
E—Donovan, Jere
Lewis C. & Son
ar Bros. (Lime)
IE—Fort Pitt Stone & Brick Co.
QUA—Bernd, E. M.
RSBURG—Shull, J. Carl
—§Burns, D. H. (Blue)
Hy. W.
, George G.
A—Black, Samuel P.
SVILLE—Palmer Bros.
d Lime & Stone Co.
F. F.
OCKEN—*Beatty, Jas., Sr. (Rub
Michael ble & Foundation)
. Thos. M. & Co.
kill Stone Co. (Building, Bridge etc.)
VILLE—*Clearfield Quarrying Co.
Run Stone Co.
—Evans, T. L. Sons (Cut Contractors)
OWN—Moore, J. H. (Cut Contractor)
John P.
—*Angstadt, Rudolph H. (Limestone & Lime Mfrs.)
—*Thropp, Joseph E. (All Limestone for Blast Furnace Use)
Carey, Geo. A.
& Smith
. D. J. Sons
Patrick (Blue)
Iron Co. (Limestone, all Consumed by the Company)
—*Comly, Frank T.
Hill Silica Rock Co.
OD PARK—*Enterprise Brick & Stone Co.
CITY—*Clydesdale Stone Co.
Stone Co.
y Stone Co.
cker, H. F.
—Newton, A. R.
—Bolster Bros.
Wilson, T. A. (Crushed)
FALLS CREEK—*Gocella Stone & Sand Co.
FOREST CITY—*Forest City Stone Co.
FRANKSTOWN—American Lime & Stone Co.
GREEN LANE—*Davis Trap Rock Quarry Co.
*Kugler, Clarence B., Jr., & Co.
*Stalnecker, Frank Y.
GREENSBURG—Greensburg Stone Co.
Hunker Sand & Stone Co.
Unity Sand & Stone Co.
GREENVILLE—*Greenville Silica Sand & Quarry Co.
Halpin, P. J.
GROVE CITY — *Uber & Breckenridge Stone Co.
HANOVER—Hoke, M. & Son
Kuhn, F. X. (Cut Contractor)
HARRISBURG—Beatty & Bro. (Cut Contractors)
Black, Jno. (Cut Contractor)
Gerlock & Lutz (Foundation)
HAZLETON—*Kehoe, Chas.
HIGH SPIRE—*Zimmerman, Solomon
HOLLIDAYSBURG—American Lime & Stone Co.
§Baldridge, E. R. & Co. (Limestone) Co.
*Blair Limestone Co.
*Hartman, J. L. (Limestone)
*Juniata Limestone Co.
HOMESTEAD—Erbeck, F. J. (Cut Contractor)
*Hall, Geo. M. Co. (Foundation)
HONESDALE—Caufield, Martin
JOHNSTOWN—§Somerset Stone Co.
KING OF PRUSSIA—Schweyer & Leiss (Blue)
LANCASTER—*Betz, Jacob
Haldy Marble & Granite Works
Heidig, John B.
Hook, John H.
Kreider, A. H.
Lancaster Cut Stone Co.
Moedinger & Son
LATROBE—§Herman, John
LEBANON—Bassler Limestone Co.
Bock, W. S. (Cut Contractor)
Gloninger Limestone Co.
Guinther, Theobald (Cut Contractor)
Hartlieb & Bro. (Cut Contractors)
*Hauck, A. B.
*Holland, Jno.
Imperial Limestone Co.
*Lebanon Stone Co.
*Millard, J. B., & Son
*Mount Gretna Brownstone Co.
*Royer Sam'l A.
McKEESPORT—§Bowman Bros. (Freestone)
Winters, Edwin (Cut & Flagging)
MALVERN—Green, Wm. S.
MERCER—Robinson, N. T. (Flagging)
MILTON—Wetzel, W. H.
MYERSTOWN—*Calcite Quarry Co. (Limestone)
*Deitz, Harry & Son
*Millard, J. B. & Son
NEW BRIGHTON—Martsolf Bros.
§Smith, A. F. Co. (Sandstone)
NEW CASTLE—*Croton Limestone & Brick Co.
*Isabella Limestone Co. (Limestone)
*Johnson, Geo. W. Limestone Co. (Limestone)
*Lawrence Limestone Co.
*New Castle Limestone & Clay Co.
*Pittsburg Limestone Co.
*Shenango Limestone Co.
NEWPORT—Hornback, A. V. & Son
NICHOLSON—*Nicholson Stone Co.
*Shields, Moses, Stone Co. (Cut & Sawed)
NORRISTOWN — §Dyer, John T. Quarry Co. (Building & Crushed)
Landis, Isaac (Flagging & Cut)
§Lukens & Yerkes
§Richardson & Ross Quarry Co., Mogeetown
Smith, Geo. S. (Cut Stone)
Sullivan, W. M. (Cut, Contractor)
NORTH WALES—Billiard, Jas.
OIL CITY—*Oil City Sandstone Quarry Co.
PALMYRA—*Deitz, Harry & Son (Limestone)
*Kreider Bros. (Limestone)
Marks, Moses
PHILADELPHIA—Ambler-Davis Co. 14 S. Broad
Ambler, H. C. Co., 3717 Old York rd
Barber Asphalt Paving Co. (Kettle River Sandstone), Land Title bldg
Bell, Wm. H. (Cut Contractor), 1711 N Front
Brown, Jas. F. (Cut Contractor), N 39th & Haverford
Buck & Gallagher (Cut Contractors), S 9th Wolf
*Cambria Steel Co. (Limestone, all Consumed by the Company), Arcade bldg
Clark & Co., 4425 Frankford av
*Clearfield Quarrying Co., Rothschild bldg
*Conemaugh Stone Co. (Coping & Concrete Stone), Arcade bldg
§Conshohocken Stone Quarry Co., 119 S 4th. Quarries, W Conshohocken, Pa.
Consolidated Stone Co., Witherspoon bldg
Copeland, Hugh & Co. (Cut Contractors), S 24th & Washington av
Costigan, Lawrence, Church la & Baynton, Gtn
Craig, Chas. (Contractor), 2632 Columbia av
*Davis Trap Rock Quarry Co., Stephen Girard bldg
Delaware River Quarry & Const. Co., Arcade bldg
Dodds, Jno. A. (Cut Contractor), 210 S 24th
Dolan, T. & J., 314 S 24th
Dyer, John T. Quarry Co., Harrison bldg
Flynn, Jno. E. (Cut Contractor), Stenton av & E Luray, Wayne Jct
France David Co (Crushed & Building), Tasker st Wharf
Gallager, Wm. C., Ogden & Union
Garrett, Jas. & Co., 1432 S Penn sq
Giles, McMichael & Co. (Cut Contractors), 2929 Ellsworth
Giles & McLaughlin, 1928 Wash'n av
Gray, Wm. & Sons (Cut Stone Contractors), S 30th bel Walnut
Greble Marble & Granite Works, Witherspoon bldg
Haddington Quarry & Const. Co. (Jos. Perna, Prop.), 221 N 63rd
Hagan, John & Co. (Stone Yard), cor Delaware River & Comly Wissnig
Harrison, R. C., & Co. (Wholesale), 24th c Walnut
Hastings & Morrison (Cut Contractors & Saw Mills), 1510 Wash'n av
Hauser, John, 2333 Ridge av
Hayes & Sons, 2935 Ellsworth
Hummelstown Brown Stone Co., Penna. bldg
Ireland, W. H., Stone Crushing Co., 1220
*Keenan, D. F., Arcade bldg Filbert
Kirkpatrick Bros. (Cut Stone Contractors), 22d & Washington av
Lambertville Stone Quarry Co., 1218 Filbert
Law & Burwell (Cut Contractors), 24th c Locust
*Lukens & Yerkes, Commonwealth bldg
Maxwell's, Jno. Sons (Blue), 30th below Spruce
*Mermaid Quarries, Gtn & Mermaid avs, C. Hill
O'Neill, Jerry & Co., 7811 Gtn av
Penn Quarry Co., Arcade bldg
PENNA. MARBLE & GRANITE CO. (Cut Stone Contractors), Penna bldg. (See adv. index, end of book)
*Penna Steel Co. (Limestone, all Consumed by the Company) Girard bldg
Peoples Bros. (Building & Crushed), N 25th & Callowhill
Perry-Matthews-Buskirk Stone Co., Witherspoon bldg
Phila. Granite Works, 24th c Locust
§Phila. & Conshohocken Stone Quarry Co. (Dimension & Rubble), Rothschild bldg
Prince, Jno. F., 2202 Chestnut
Reilly, Thos. (Cut Contractor), 1616 Thompson
*Richardson & Ross Quarry Co., Penna bldg
§Ridgway, B. & Son (Wyoming, Blue, Rough & Cut Work), N 9th & Columbia av
*Roaring Run Stone Co., Penna bldg
Ryder & Jenkins, 3641 Woodland av
SCHILLING, FRANK H. (Indiana & Green River Limestone & Granite Cut Contractor), 614 Hale bldg. (See adv. index, end of book)
*Schuylkill Stone Co. (Building, Bridge Ashler, etc.), Bulletin bldg
Scott, J. & Sons, 25th & Dickinson
§Shanley, J. F., Co. (Heavy Masonry), Arcade bldg
*Silica Stone Co., Arcade bldg
Tyson, J. L., 900 Jeff
Williamson, Frank (Indiana & Ohio Buff & Blue, Conn. Brown & Broken, Wholesale), 2202 Chestnut
PHOENIXVILLE—§Detwiler, G. A. (Cut Contractor)
PITTSBURG—Aitkenhead, Wm. (Cut Contractor), 1222 Irwin av. N S
Alston, A. & Son, Grant & Penna avs
Bachman, Adam, 16 S 22d
Beaver Valley Sand Stone Co., Frick bldg
Berge & Melville (Cut Contractors), River av & Craig st. N S
Booth & Flinn (Ltd.), 1942 Forbes av
Brogan, Edward (Cut Contractor), 1215 Franklin, N S
*Carnegie Steel Co. (Limestone for Their Own Use), Quarries at Mercer, Pa.
Clark Bros. Co. (Cut Contractors), Bayard & Preble av, N S

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§Cleveland Stone Co., 316 4th av
Clifford, John R., Bryn Mawr rd
*Clydesdale Stone Co. (Bridge, Rubble, Dimension, etc.), Murtland bldg
*Consolidated Stone & Mining Co. (Sand Stone), Farmers' Bank bldg
Coutts, Thos., & Co. (Cut Contractors), 3301 Penn av
Craig Stone Co., Murtland bldg
Dallas, Dominac, 7915 Batavia
Damm & Byer, 1523 Howard, N S
Davison, J. K., & Bro. (Contractors), 42d & Division
Downey & McDermott, Homewood av & Mt. Vernon
Ellwood Stone Co., House bldg
Forest City Stone Co., 331 4th av
Fritz, Geo., 1213 East, N S
Haffner & Veder, 1024 Perry, N S
Happ, Louis (Cut Contractor), Fulton & Penna av, N S
Hartbaur, Daniel, 4115 Liberty av
*Hill, John C. (Dimension, Curb & Rubble), Park bldg
Holmes, Samuel (Cut Contractor), 1253 Juniata, N S
Houlette, Thos., Co., 331 4th av
Knox, Strouss & Bragdon (Cut Contractors), Preble av & Juniata, N S
Krah, Amend, 804 Madison av, N S
Kress, Paul (Cut Contractor), Main st, N S
Kium Granite & Stone Co., 530 Federal
Miller, John W. (Cut Contractor), 70 Melrose av, N S
Morris, A. G. Lime & Stone Co., Empire bldg
Morrison Bros. Co. (Cut Contractors), 459 South av
Neshannock Stone Co., Farmers' Bank bldg
Ogilvie Bros., W. Magnolia & Said, N S
*Ohio Quarries Co., Park bldg
Payne, Wm. J., & Sons Co., Wash'n & Beltzhoover avs
*Republic Iron & Steel Co. (Limestone, all Consumed by the Company)
Reinhardt, Sebastian (Cut Contractor), 3925 Duquesne av, N S
Roaring Run Stone Co., Farmers' Bank bldg
West End Stone & Brick Co., 121 Wabash
Winfield Mineral Co. (Limestone), 421
Wissner, Henry, 1715 Wash'n av, N S
Wolf, Louis, Berlin & P. R. R.
Wymard, John K., 915 Gerritt
Wessel, Mrs. Mary, 1938 East, N S

POINT PLEASANT—§Heany, Nicholas L.
POLK—*Hillside Brown Stone Co. (Brown Stone)
PORT KENNEDY—*Erwin, Arch. B. (Limestone)
POTTSTOWN—§Nagle, Geo. W. (Dimension)
POTTSVILLE—Collins, Richard (Est. of)
Miller, Louis
Pottsville Marble & Granite Works
QUAKERTOWN—Clark, Josiah (Flagging)
READING—Ahrens, H. E., Co. (Contractors)
Bobst, Samuel (Foundation), 450 S 18th
Eben & Nagle
Eberl, S. & Co., 730 Olney
Faust, J. K., 123 N Front
Miller, Daniel (Cut Contractor), c Pear & Wash'n
Mt. Penn Sand & Stone Works, 216 N 10th
*Reading Quarry Co.
ROCHESTER — McDonald & Hartman (Dealers)
ST. PETERS—*Knauer, David J.
SALONA—Nittany Lime & Stone Co. (Crushed, etc.)
SCHWENKVILLE—Koons, F. S.
SCRANTON—Burke Bros., Connell bldg
Carlucci Stone Co. (Cut Contractors)
Keller, Luther (Lime)
§Langan, John F. (Cut Stone)
Ruddy, M. J. (Cut Contractor), 421 Lack.
Stipp, Peter (Blue and Yellow)
Sykes, Samuel & Sons (Cut Contractors),
*White Haven Quarry Co., 137 Penn av
*Woelkers, Bellman, Zitzelman (East Mountain Quarries), 110 Wash'n av
SEWICKLEY—Challis, D. W. & Son
SHAMOKIN—Barr, Peter (Flagging)
SHARON—Cook, Jno. & Son
McIntyre, Wm., & Sons (Cut Stone Contractors)
Malcom, L.
SHARPSBURG—Forsythe, J. B.
SOUDERTON—*Procressive Realty Co.
SOUTH BETHLEHEM—*Bethlehem Steel Co. (Limestone, All Consumed by the Company)
General Crushed Stone Co. (Inc.) (Crushed R. R. Ballast, etc.)
STEELTON—§Cumbler, Geo. W. (Est. of) (Limestone)
Messenger Bros.
TAMAQUA—Kintzel, Geo. I.
TUNKHANNOCK—White, Geo.
TYRONE—*American Lime & Stone Co. (Limestone)
*Pittsburg Limestone Co.
WAMPUM—*Wampum Crushed Limestone Co.
WASHINGTON—Hallam Construction Co.
*Reitch Bros.
WAYNE—*Johnson, Richard H. Co.
*McClellan, Wm.
WAYNESBORO—*Decarbonated Lime & Stone Co.
WEST CHESTER—Corcoran Construction Co.
WEST CONSHOHOCKEN—*Phila. & Conshohocken Stone Quarry Co.
WEST GROVE—Penna. Marble & Granite Co (Cut Contractors)
WEST NEWTON—Walker, Geo. S.
WILKES-BARRE—Schmitt's, John A. Sons Laurel River Red)
Stemmer & Geick (Cut Stone) Red)
WILKINSBURG—Enterprise Brick & Stone Co.
Hill, Jno. C.
Iron City Stone & Const. Co. (Cut Contractors)
*New Kensington Stone Co. (Bridge, Curb & Rubble, etc.)
Robertson, James (Cut Contractor)
WILLIAMSPORT—Huts, Wilson
Carothers, A. K.
Gibbons, J. E.
Stuempfle, A. (Flagging)
Stuempfle's, D. Sons
Susquehanna Stone Co.
YORK—*Baker, J. E. & Co. (Limestone & Lime Mfrs.)
§York Valley Lime Co. (Limestone)

RHODE ISLAND.

EAST GREENWICH—Hussey, Thos. A.
EAST PROVIDENCE—Chase, Andw. R.
*McCormick, Jos. (Foundation, Building & Crushed)
NEWPORT—Austin, Chas. P.
Cottrell, Jas. B. (Cut Contractor)
Riggs, Geo. H.
PAWTUCKET—Newell Coal & Tar Co. (Blue)
O'Connor, Maurice M.
O'Connor & Weatherhead
PROVIDENCE—Bishop, J. W. & Co. (Cut Limestone Contractors), Butler Exchange
Goff, Jas. C. (Blue), 31 Point
Manchester & Hudson (North River Blue)
Norcross Bros. (Brown & Red, Sand & Cut Contractors), 49 Westminster
O'Brien, Jno., 440 Cranston
Rhode Island Brown Stone Works (Brown & Red, Sand & Cut Contractors), Leland nr Brown & Sharpe's
*Smithfield Granite Co. (Building & Foundation Stone, etc.) 199 Hartford av
Stone, Jos. P. (Cut Contractor), Allens av & Seymour st
WOONSOCKET—Daigneult, Alfred (Building)
Magown & Bucke
Murray, Thomas P.

SOUTH CAROLINA.

COLUMBIA—Hyatt, F. H.

SOUTH DAKOTA.

LEAD—Bartlett Bros. (Dealers)
SIOUX FALLS—Ballard & Son
Gillett, Frank H.
Perry, Geo. H. (Dealer)

TENNESSEE.

CHATTANOOGA—*Chickamauga Quarry & Construction Co.
Hassell, A. W.
Troutt, John & Co. (Cut Contractors)
CLEVELAND—Cleveland Granite & Marble Works
MEMPHIS—Anderson, Axel (Cnt Contractor)
Christie, Alex. (Cnt Contractor)
Jenkins, Thos. & Co. (Cut Contractors)
Kastner Cut Stone Co., Vance & Walnut
Morriss Bros. (Cut Contractors & Saw Mills), 201 S Main
Rigg & Rice (Cut Contractors), E R R & East
NASHVILLE—Bardon-Fulcher Cut Stone Co. (Cut Contractors)
Engelbert & Co.
Foster & Herbert Cut Stone Co.
Hardison, W. T., & Co. (Dealers)
*Newsom Crushed Stone & Quarry Co.
Oman Stone Co. (Cut Contractors)
Peter, J. H., & Co. (Cut Contractors)

TEXAS.

AUSTIN—*Austin White Lime Co. (Limestone)
DALLAS—Davoren, P. E., & Co.
Hunway Marble & Granite Co.
Moore & Co. (Dealers)
DENISON—Chamberlain, A. P.
EL PASO—El Paso Ice & Refrigerator Co. (Limestone)
Mount Franklin Lime & Stone Co.
Pioneer Marble & Granite Co.
FORT WORTH—U. S. Construction Co.
GALVESTON—Ott, Chas. S.
KERRVILLE—§Richards, B. C.
SAN ANTONIO—Blank, P. C. & Co.

UTAH.

LOGAN—Hanson, P. O.
OGDEN—Mitchell Bros. (Cut Contractors)
SALT LAKE CITY—Ashton, Whyte & Hillcorn Co.
Johnson, C. O.
McKenzie, R.

VERMONT.

BARRE—(See Granite Producers, Workers and Dealers)
BATTLEBORO—Grant, C. H. Granite Co.
BURLINGTON—Goodell, J. W.
HARDWICK—(See Granite Producers, Workers and Dealers)
MONTPELIER—American Granite Co.
Columbian Granite Co.
Smith, Charles A.
RANDOLPH—Lamb, Austin F.
ST. ALBANS—§Fonda, W. B. (Limestone)
ST. JOHNSBURY—Bennett, Clarence A.
Bragg, A. L.
WILLIAMSTOWN—Grearson-Becket Co.

VIRGINIA.

CLINTON FORGE—*Alleeheny Ire & Iron Co. Limestone, All Consumed by the Company
NEWPORT NEWS—Davis, J. L.
NORFOLK—Anthony, Arthur G.
Consolvo, Eugene H.
Makinson, Allen J.
PETERSBURG—§Cook, Asa B.
PORTSMOUTH—Ogg, A.
RICHMOND—Gemmell, Robert, 902 Catharine
Mason, Wm. R. (Cut Contractor), 1091 W Marshall
Matzke, Otto A. (Cut Contractor), 209
Wray, A. J., 328 S Cherry Walter
SCHUYLER — §Virginia Soapstone Co. (Soapstone)

WASHINGTON.

SEATTLE—Port Angeles Stone Co., N. T
Riverside Stone Co., Marion bldg. 4th
Seattle Cut Stone Contracting Co., 1021 av & Alva
*Sucia Island Quarry Co., Arcade Annex
SPOKANE—Smith, O. F. (Cut Contractor)
TACOMA—Donnellan & McKenzie (Cut Contractors)
Steven & Nelson (Cut Contractors)
Walker Cut Stone Co. (Cut Contractors)
TENINO—*Hercules Sand Stone Co.
*Tenino Stone Quarries

WEST VIRGINIA.

BUNKER HILL—*Baker, J. E. & Co. (Limestone & Lime Mfrs.)
HINTON—Noel, B. E.
MARTINSBURG — Berkley Limestone Co. (Crushed & Fluxing Limestone)
Kantner, W. H.
*Standard Lime & Stone Co.
ROWLESBURG—Preston Bluestone Co.
WHEELING—Rosenberg, J. H., Jr.

WISCONSIN.

ABLEMAN—*Gall, Wm.
APPLETON—§Marston Bros. (Limestone)
ASHLAND—§Donald, A. & Co. (Cut Contractors)
CLINTONVILLE—Melzer, William (Rail Road & Cement)
DUNNVILLE—Ulmer, Wm. H. (Cut Contractor)
*Wallace, Wm. M.
LA CROSSE—*La Crosse Stone Co. (Crushed Paving, Building, etc.)
LANNON—*Davis Bros.' Stone Co.
*Flanagan & Sons
*Froemming Bros. Quarry Co.
*Harmon, H., & Sons
*Lake Shore Stone Co.
*Lannon Quarry Co.
*Sheridan Bros.
*Wallen, Frank

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MANITOWOC—Johnson, J. G. Co. (Dealers)
Kettenhofen, N. (Cutter)
MARBLEHEAD—*Nast Bros. Lime & Stone Co.
MILWAUKEE—Andres Stone & Marble Co. (Cut Contractors), Keefe av & Richards
Dankert, Chas. J., 756 6th
General Construction Co. (Cut Contractors), 31st & Galena
Kies, Wolfgang, 3310 Vleit
Lake Shore Stone Co., Ry. Exch. bldg
*Manegold, A. F. & L., 204 Grand av
Mattusch, Frank & Co. (Cut Contractors), 3702 Chestnut
Meyers Bros. (Cut Contractors), c E North av & Newhall
Monarch Stone Co., 204 Grand av
Schmidt, P. & Co. (Cut Contractors), 353 E North av
§Story Bros. (Limestone), 204 Grand av
Tingley, C. Wallace (Cut Contractor), 720 31st
*Waukesha Lime & Stone Co. (Rubble, Dimension, etc.), 1211 Humboldt av
*Wauwatosa Stone Co. (Limestone), 204 Grand av
§Western Lime & Cement Co., Pabst bldg
Wilce, Jno. (Cut Contractor), 253 Orchard
OSHKOSH—§Cook & Brown Lime Co.
*Lutz, Robt. (Limestone)
*Prautsch, Oscar
Wenrich, H. F.
RACINE—*Central Quarrying Co.
Crotsenburg, W. A.
§Horlick Lime & Stone Co., on Rapids rd
O'Laughlin, John Stone Co. (Quarry &
*Racine Stone Co. Crushed)
§Roberts, Jno. M. (Cut Contractors)
Roberts & Co. (Cut Contractors)
SHEBOYGAN—Scheele, Henry, Jr. (Cut Contractor)
*Sheboygan Lime Works (Lime Stone)
STURGEON BAY—*Cochems, M. V.
*Smith, Thos. H. Stone Co.
*Sturgeon Bay Stone Co.
SUPERIOR—Penn, Wm. Stone Co. (Cut Contractors, West Superior)
UTLEY—*Wisconsin Granite Co.
WATERLOO—*Portland Granite Co.
WAUKESHA—*Central Quarrying Co.
*Waukesha Lime & Stone Co.
WAUWATOSA—*Manegold, A. F. & L. Zimmerman, J. C. & Son

WYOMING.

RAWLINS—*Larsen, H. (Sandstone)

Stone Renovators

American Diamond Blast Co., 50 Church, New York
Dye Bros., 100 W 54th, New York
Farnham, Neal (Inc.), 1 Madison av, New York
Fordham Stone Renovating Co. (Granite, Marble & Brownstone Renovated & Pointed), 1123 B'way, New York
Madison Stone Renovating Co., 1000 Park av, New York
National Stone Renovating Co., 503 5th av, New York
Paris Stone Renovating Co., 19 Park pl, New York
Smith, N. & Co., 131 Columbus av, New York
Zaput, Nicholas, 254 W 65th, New York

Stone Rubbing Beds

(See Rubbing Beds, Stone, Slate, etc.; also Machinery, Stone Polishing)

Stone Saw Blades (Steel)

Carnegie Steel Co., Pittsburg, Pa.
Elyria Iron & Steel Co. (High Carbon Steel), Elyria, O.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Oldham, Joshua & Sons (Inc.), 112 26th, Brooklyn, N. Y.
Pittsburg Steel Co., Pittsburg, Pa.

Stone Sawing Machinery

(See Machinery, Stone Sawing)

Stone Screenings

Bessemer Limestone Co., Youngstown, O.
Producers Supply Co., 138 Washington, Chicago, Ill.
Shanley, B. M. & J. F. Co., Arcade bldg., Phila., Pa.
Waukesha Lime & Stone Co., 172 Washington, Chicago, Ill.
Winfield Mineral Co., 421 Wood, Pittsburg, Pa

Stoners (Cherry & Peach)

Enterprise Mfg. Co. ("Enterprise"), 3d & Dauphin, Phila., Pa.
Goodell Co. (Family), Antrim, N. H.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Mapes Machine Co., South Haven, Mich.
Penn Hardware Co. ("Penn"), Reading, Pa.
Rollman Mfg. Co., Mount Joy, Pa.
Sinclair-Scott Co., Baltimore, Md.

Stones (Emery)

American Emery Wheel Works, 325 Waterman Providence, R. I
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn
Carborundum Co., Niagara Falls, N. Y.
Norton Company (Alundum), Worcester, Mass.
Pike Mfg. Co., Pike Station, N. H., & 151 Chambers, New York
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

Stones (French Buhr Mill)

Charles, J. M., 59 Pearl, New York

Stones (Glass Cutters')

Norton Company, Worcester, Mass.
Pike Mfg. Co., Pike Sta., N. H., & 151 Chambers, New York

Stones (Huller & Pulp)

Hagen, E. ("Patent Universal" Pulp), 121 Upperline, New Orleans, La.

Stones (Oil & Water)

American Emery Wheel Works, Providence, R. I.
Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co. ("Gem"), 40 W Randolph, Chicago, Ill.
Deerlick Oil-Stone Co., Chagrin Falls, O., & 7 Warren, New York
Dixon, Wm. (Inc.), (Imported), 39 John, New
Manilus Stone Co., Manilus, N. Y. York
Norton Co. ("India"), Worcester, Mass.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Pike Mfg. Co., Pike Station, N. H.
Star Corundum Wheel Co., Detroit, Mich.
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of
Vitrified Wheel Co., Westfield, Mass. book)

Stones (Scythe)

Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 330 W Monroe
Cleveland Stone Co., Hickox bldg, Cleveland, O.
Norton Co. ("Norton" Alundum), Worcester, Mass.
OHIO QUARRIES CO., 818 Euclid av., Cleveland, O.
Pelkey, W. H., Fair Haven, Vt.
Pike Mfg. Co., Pike Station, N. H., & 151 Chambers, New York
SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)

*Stones (Sharpening)

SUPERIOR CORUNDUM WHEEL CO., Waltham, Mass. (See adv. index, end of book)

Stones (Tool)

Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 330 W Monroe, Chicago, Ill.
Cleveland Stone Co., Hickox bldg, Cleveland, O.
OHIO QUARRIES CO., 818 Euclid av., Cleveland, O.; Quarries & Mills: Amherst, Ohio
Pike Mfg. Co., Pike Station, N. H., & 151 Chambers, New York

Stoneware (Chemical)

Remmey, Richard Sons Co., 2037 E Cumberland, Phila., Pa.
Graham, Chas. Pottery Works, 980 Metropolitan av, Brooklyn, N. Y.
United States Stoneware Co., Akron, O.
Weeks, A. J., 920 E Market, Akron, O.

Stools (Adjustable)

American Seating Co., 90 Wabash av, Chicago, Ill.
Chandler Adjustable Chair & Desk Co., 165 Devonshire, Boston, Mass.

Stools (Store)

Bethlehem Foundry & Machine Co. (Bracket, Pedestal, etc.), Front, South Bethlehem, Pa.
Bryan Novelty Mfg. Co. (Revolving & Folding Counter), Bryan, O.
Van Dorn Co. (Revolving Tops), Quincy, Ill.

Stoppers (Bath & Basin)

Climax Specialty Co., Seneca Falls, N. Y.
Goodrich, B. F. Co. (Rubber), Akron, O.
Morgan & Wright (Inc.) (Rubber), Detroit, Mich.
Wolverine Brass Works, Grand Rapids, Mich.

Stoppers (Bottle)

Baird Machine Co., Oakville, Conn.
Hutter, Karl ("Hutter" Porcelain), 241 Lafayette, New York
Koscherak, I. (Porcelain), 239 Canal, New York
Marks, E. C. ("Perfection"), 260 Clark, Chicago, Ill.
Metal Finishing Co., Union City, Conn.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.

Stoppers (Gas Main)

Behringer, Edw. A. ("Perfect"), 82 Warren, New York
Safety Gas Main Stopper Co. ("Goodman"), 257 E 133d, New York

Stoppers (Plumbago)

Bartley, Jonathan Crucible Co., Trenton, N. J.
McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces, Pittsburg, Pa.

*Stoppers (Rubber)

Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Stoppers & Nozzles (Ladle)

Seidel, R. B. (Inc.) (For Open Hearth & Bessemer Ladles), 1334 Callowhill, Phila., Pa.

*Stops (Crane Limit)

ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)

*Stops (Curb & Waste)

UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)

Stops (Flue)

Andrews Wire & Iron Works ("Higgins"), Rockford, Ill.

Stops & Wastes (Compression)

American Foundry & Mfg. Co., St. Louis, Mo.
Central Brass Mfg. Co. ("Cleveland"), Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Haines, Jones & Cadbury Co. ("H. J. & C."), Hays Mfg. Co., Erie, Pa. Phila., Pa.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McRAE & ROBERTS CO., 2227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mueller, H. Mfg. Co., Decatur, Ill.

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Peck Bros. Mfg. Co. ("Universal"), New Haven, Conn.
Stebbins, E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co., Boston, Mass.

Store Front Construction

Bartelstone, Harris & Son (All Glass), 56 Cooper sq, New York
Coulson, J. W. & Co., Columbus, O.
Detroit Show Case Co., Detroit, Mich.
Kawneer Mfg. Co. ("Kawneer"), Niles, Mich.
National Store Front Co., 208 First av., Pittsburg, Pa.
Phillips, John & Co., Detroit, Mich.
Schultz, E. H. ("Schultz"), St. Joseph, Mo.
Voltz Mfg. Co. ("Universal"), St. Joseph, Mo.

Store Fronts (Brass & Bronze)

Brandenberger & Co., Baltimore, Md.
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Columbus Corner Post Co., Columbus, O.
FLOUR CITY ORNAMENTAL IRON Works, 27th st & 28th av, Minneapolis, Minn. (See adv. index, end of book)
GORHAM CO. ARCH'L BRONZE. 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
Heath-Johnson Co. (Inc.), 123 Ontario, Chicago, Ill.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Store Fronts (Cast Iron)

(See Firms in Iron, Architectural & Ornamental, marked with a (*) Star)

Store Fronts (Galvanized Iron)

Berghofer & Ohnemus, Quincy, Ill.
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
Chattanooga Steel Roofing Co., Chattanooga, Tenn.
DROUVE, G. CO., 40 Tulip, Bridgeport, Conn. (See adv. index, end of book)
EDWARDS MFG. CO., 545-565 Eggleston av., Cincinnati, O. (See adv. index, end of book)
Freund, Jacob Roofing Co., Mitchell av & B & O. S. W. Ry., Cincinnati, O.
Gara, McGinley & Co., 23 S 17th, Phila., Pa.
Henson, Robinson Co., Springfield, Ill.
Meaker, Geo. L. & Co., Evansville, Ind.
Meaker & Bro., 421 S 6th, St. Louis, Mo.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
NATIONAL SHEET METAL ROOFING Co., 389 Grand, Jersey City, N. J. (See adv. index, end of book)
Newburgh Cornice Works, Newburgh, N. Y.
Penn. Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
Ritzler, J. A. Cornice & Ornament Co., 600 W 5th, Kansas City, Mo.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Siddons, John Co., Rochester, N. Y.
Watson, Jas. H. Co. (Inc.), Bradley, Ill.
Wilmington Cornice Works, Wilmington, Del.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)
Witt Cornice Co., B'way & 8th, Cincinnati, O.

Store Fronts & Show Windows (Glass)

Columbus Corner Post Co., Columbus, O.
Crane Glass & Mfg. Co. (All Glass), Cleveland, Ohio

Store & Bar Fixtures

Abbott Mfg. Co., St. Paul, Minn.
Architectural Woodworking Co. (High Grade Store Fixtures), 3019 Chestnut, Phila., Pa.
Becker, L. A. Co. (Drug Store, etc.), 900 S Halsted, Chicago, Ill.
Bloom, Alfred Co., 1502 California, Omaha, Neb.
Buffington, I. T., Elizabethville, Pa.
Burge-Huck Mfg. Co., Quincy, Ill.
Bush, Jas. S. (Office & Store), 239 B'way, New York
Capitol City Furniture Co. (Bank, Store, Bar, Church, etc.), 639 Jackson, St. Paul, Minn.
Chicago Store & Office Fixture Co., 316 S. Clinton, Chicago, Ill.
Cleveland Store Fixture Co., 4059 St. Clair av., N. E., Cleveland, O.
Curtis & Yale Co. (Wholesale Mfrs. of Bar, Hotel, Bank, Store & Office Fixtures), Wausau, Wis.
Dean, C. P., 10 Governor, Richmond, Va.
Detroit Show Case Co., Detroit, Mich.
Fischer Bros., 150 Bank, New York
Folding Bath Tub Co., Marshall, Mich.
Glaser, Rohrer & Co., 725 1st av, New York
Gray Mfg. Co., Muskegon, Mich.
Great Western Cabinet Works, 2025 Harrison, Kansas City, Mo.
Herdman Sash, Door & Lumber Co., Zanesville, Ohio
Kleeman, Wm. & Co., 619 W 54th, New York
Kloak Bros. & Co., c Pearl & Elm, Cincinnati.
Kurtz Bros., South Bethlehem, Pa. Ohio
Loeper, Anton, Ashland, Pa.
Butke Mfg. Co., Portland, Ore.
Maclean, J. S., 161 W Spring, Columbus, O.
Mansfield, R. & Son, 313 E Main, Louisville, Ky.
Mason City Mfg. Co., Mason City, Ia.
Nalle & Co., Austin, Tex.
National Office Furniture & Supply Co., 921 F, N W, Washington, D. C.
Nauman Co. (Bank, Drug & Store), Waterloo, Ia
New York Store Fixture Co., 148 Bank, New York
Norwich Nickel & Brass Co., Norwich, Conn.
Phillips, John & Co., Detroit, Mich.
Phoenix Furniture Co., Eau Claire, Wis.
Quincy Show Case Works (Bank, Office, Drug Store, Jewelry, etc.), Quincy, Ill.
Reeber's, J. Sons, 409 E 107th, New York
Revell, Alex. H. & Co., c Wabash av & Adams, Chicago, Ill
Rieser, Ely J. & Co. (Drug, Saloon, Cigar, etc.), 1st av & 28th, New York
Roach & Musser Sash & Door Co., Muscatine, Iowa
Rock Island Stair Works, Rock Island, Ill.
St. Louis Bank Fixture Co., 807 Walnut, St. Louis, Mo.
Sayre-Newton Lumber Co., 23d & Blake, Denver, Col.
Segale Mfg. Co., 68 E Spring, Columbus, O.
Segelke & Kohlhaus Mfg. Co., La Crosse, Wis.
Sexsmith & Hauser Co., 1 Madison av, New York
Sieburg, Chas., 211 Wooster, New York
Simmons, W. H. Wood Working Co., Williamsport, Pa.
Sorensen, O. J., La Crosse, Wis.
Staudte & Reuckoldt Mfg. Co., Soulard c De Kalb, St. Louis, Mo
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Stevens, Benj. A. Co., Toledo, O.
Struck, Alfred Co., Louisville, Ky.
Viking Refrigerator & Mfg. Co., Kansas City, Mo.
Warren, Wm. H. Mfg. Co., c Blackhawk & Smith av, Chicago, Ill.
Weaver, Edwd. E., Tamaqua, Pa.
Whitcomb Cabinet Co., Kansas City, Mo.
Winter, M. Lumber Co., Sheboygan, Wis.
Wollaeger Mfg. Co., 636 N Water, Milwaukee, Wis.
Worn, William & Co., 69 George, Brooklyn, N.Y.

Storm Doors and Windows

Gordon, Van Tine & Co., Davenport, Ia.
Osgood, Blodgett Mfg. Co., St. Paul, Minn.
Phenix Mfg. Co. ("Phenix"), Humboldt av c Center, Milwaukee, Wis.

Stove Boards

Keystone Stove Board Co., 128 N 2d, Phila., Pa.
Oil City Asbestos Co. (Asbestos), Oil City, Pa.
Sweeney, W. H. Mfg. Co. (Embossed White Metal), 66 Water, Brooklyn, N. Y.
Wabash Screen Door Co., 115 Adams, Chicago, Ill.

Stove Linings

Baltimore Terra Cotta Works, Baltimore, Md.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Columbia Fire Brick Co., Canton, Ohio
Fox, E. S. & Co., Reading, Pa.
Garfield Fire Clay Co., Robinson, Pa.
Hall & Sons, 69 Tonawanda, Buffalo, N. Y.
Louisville Fire Brick Works, Louisville, Ill.
McLeod & Henry Co., Troy, N. Y.
Newton-Perkins Fire Brick Co., Albany, N. Y.
Peekskill Fire Brick Works, Peekskill, N. Y.
Presbrey Stove Lining Co., Taunton, Mass.
Rogers & Co., Royersford, Pa.
RUTLAND FIRE CLAY CO. (Plastic), Rutland, Vt. (See adv. index & branch offices, end of book)
Standard Stove Lining Co., Taunton, Mass.
Sweeney, Geo. & Co., 1334 Ridge av, Phila., Pa.
Taunton Stove Lining Co., Taunton, Mass.
Union Stove Lining Co., Taunton, Mass.
Williams Stove Lining Co., Taunton, Mass

Stove Linings (Asbestos)

Federal Asbestos Mfg. Co. (Cements), Alliance, Ohio
Johns, H. W.-Manville Co. ("Phoenix," Dry Powder), 100 William, New York

Stove Mfrs.

ALABAMA.

AVONDALE—Avondale Stove & Fdy. Co.
BIRMINGHAM—Standard Stove Works.
BRIDGEPORT—Gunter Stove Works.
FLORENCE—Cohen Stove & Range Co.
Florence Stove Works
GADSDEN—Agricola & Jones Mfg. Co.
SHEFFIELD—King Stove & Range Co.
Lowman, Lizzie Stove Works
Sheffield Steel Range & Stove Co.

CALIFORNIA.

CORNING—Vaugh Range Mfg. Co.
LOS ANGELES—Los Angeles Stove Co. ("Angelus")
Pacific Stove Co. (Stoves & Ranges)
SAN FRANCISCO—Graham, Jas. Mfg. Co., 25 Minna
Steiger & Kerr Stone & Foundry Co. (Stoves, Ranges, etc.)

CONNECTICUT.

STAMFORD—Stamford Fdy. Co. (Parlor, Store, Factory & Laundry)
Stamford Gas Stove Co. (Stoves, Ranges & Furnaces, etc.)

GEORGIA.

ATLANTA—Atlanta Stove Works
Junction City Mfg. Co., Junction City, Ga.
ROCKMART—Rockmart Stove & Foundry Co.
ROME—Bowie Stove Co.
Hanks Foundry Co.
Southern Co-Operative Foundry Co.

ILLINOIS.

AURORA — Rathbone, Sard & Co. (Stoves, Ranges, Stationary & Portable)
BELLEVILLE—Belleville Stove & Range Co.
Eagle Foundry Co.
Quality Stove & Range Co.
Snyder & Baker Stove Co.
Wilson Steel Range Co.
BLOOMINGTON—Co-Operative Stove Co.
CHICAGO—Allingham Stove Works, 2812 Wa-
American Stove Co. (Geo. M. Clark & Co. Division), 82 Michigan av
Chicago Stove Works, Blue Island av & Carmichael Range Co., 195 Kinzie 226
Cole Mfg. Co. ("Cole's" Hot Blast Stoves & Ranges), 3218 S Western av boul
Criben & Sexton Co., 50 Erie
Detroit Stove Works (of Detroit, Mich.), 2921 Lasalle
Home Stove Works, W 18th pl c S Rockwell
Mudd Mfg. Co., 135 S Clinton
CHICAGO HEIGHTS—Bonnett-Nance Stove Co. Stoves, Iron & Steel Ranges, Base Burners & Wood & Coal Heaters, etc.)
NEW ATHENS—Auto Stove Works
PEORIA—Culter & Proctor Stove Co.
Western Stove Works (Furnaces, Stoves & Ranges)
QUINCY—Channon-Emery Stove Co.
Comstock-Castle Stove Co.
Excelsior Stove & Mfg. Co. (Stoves & Ranges)
Gem City Stove Mfg. Co. (Ranges, Heaters & Furnaces)
Quincy Fdy. & Novelty Co.
Quincy Stove Mfg. Co.
Sheridan Stove Mfg. Co.
White, Thos. Stove Co.
ROCK ISLAND—Rock Island Stove Co.
ST. CHARLES—Faultless Stove Works (Malleable Iron)

INDIANA.

ANDERSON—Central Stove & Foundry Co.

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NSVILLE—Advance Stove Works
vansville Stove Works (Stoves & Hollow
diana Stove Works Ware)
uthern Stove Works (Stoves & Ranges)
ANAPOLIS—Home Stove Co.
dianapolis Stove Co., Roosevelt & Columbia avs
)MO—Globe Stove & Range Co. (Steel
ON—Hoosier Stove Co. Ranges)
ALBANY—Anchor Stove & Range Co.
ham Bros. & Kahler Co.
H BEND—Malleable Steel Range Co.
ENNES—Star Shovel & Range Co. (Ltd.)
Stoves, Ranges, etc.)

IOWA.

UK—American Stove & Range Co.

KANSAS.

NWORTH—Great Western Stove Co.

KENTUCKY.

GTON—Insurance Stove, Range Foundr Foundry Co. dry Co.
VILLE—Bridgeford & Co., 1953 Portland
her-Leaf Co. (Stoves & Ranges)
r-Webb Iron Mfg. Co., 1600 Magazine
ucky Stove Co., 1401 Delaware
K. Stove & Range Co. (Stoves, Ranges, etc.), 238 W Main
tton & Terstegge Co. (Inc.), 728 W Main

MAINE.

R—Noyes & Nutter Mfg. Co.
& Bishop Co.
ND—Portland Stove Fdy. Co. (Stoves, Ranges, etc.)

MARYLAND.

ORE—Armstrong Stove & Mfg Co., 207 S Charles, Baltimore, Md.
B. C. Stove Co., 100 Light
h, Chas. C. & Co., 14 N Howard
n S. B. Stove & Mfg Co., 7 S Gay
ard, Isaac A. & Co. (Furnaces, Stoves & Ranges), 109 Commerce
ard Supply & Equip Co., 306 N Halliday
ettle, A. & Son, c Wash. & Alicesanna
VILLE—Armstrong Stove & Mfg. Co.

MASSACHUSETTS.

—Chilson Furnace Co. (Furnaces, Ranges & Stoves), 88 Wash'n
nd Fdy. Co., 1341 Columbus av
Furnace Co., 36 Union
& Anthony Co., 48 Union
& Pratt Mfg. Co. (Furnaces, Ranges & Stoves), 31 Union
DIGHTON—North Dighton Co-Operative Stove Co.
VER—Lord Stone & Co.
H—Plymouth Stove Fdy. Co.
T—Somerset Stove Co.
N—Dighton Furnace Co. (Stoves,
. Oscar G. Ranges, etc.)
Stove Co.
Warner Co.

MICHIGAN.

—Chelsea Stove & Mfg. Co. (Gas &
-Art Stove Co., 1545 Russell Oil)
Stove Wks. (Cooking & Heating for Gas, Wood & Coal), 1320 Jeff'n av
n Stove Co. (Steel & Cast), 1022 Jeff av
lar Stove Co., 10th & W. Fort
'—Beckwith, P. D. (Inc.) ("Round
k" Heating Stoves & Furnaces)
APIDS—Michigan Stove & Caster
O—Kalamazoo Stove Co. Co.
Bostick, A. & Son
ndependent Stove Co. ("Renown")

MINNESOTA.

LIS—Northwestern Stove Co.
—Minnesota Stove Co.

MISSOURI.

—Duffy-Trowbridge Stove Co.
TY—Security Stove & Mfg. Co.
-American Stove Co., 414 N 6th
Beach Mfg. Co., 501 S Main
tove & Range Co., 3500 N 2d
Oak Stove & Range Co., 1440 N
tove Co., 1122 S 12th Main
Mfg. Co., 2016 Morgan

NEW HAMPSHIRE.

CONCORD—Ford, Wm. P. & Sons

NEW JERSEY.

DOVER—Richardson & Boynton Stove Co.
NEWARK—Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationary)
PHILLIPSBURG—Atlantic Foundry

NEW YORK.

ALBANY—Albany Fdy. Co.
Littlefield Stove Co., No Pearl & Pleasant
Rathbone, Sard & Co.
AMENIA—Fry, B. H.
BUFFALO—Buffalo Co-Operative Stove Co.
Jewett & Co.
CORNING—Corning Stove Co.
CORTLAND—Cortland Home Ventilating Stove
FRIENDSHIP—Costigan Mfg. Co. Co
Drake Hdw. Co.
GENEVA—Phillips & Clark Stove Co.
Summit Fdy. Co.
MANLIUS—Cheney, S. & Son
NEW YORK—Abendroth Bros., 109 Beekman
American Stove Co., 356 Fourth av (Branch of St. Louis, Mo., Office)
Boynton Furnace Co., 207 Water
Graff Furnace Co., 208 Water
Mott Iron Works, 118 Fifth av
Munsell, Eugene & Co., 68 Church
Southard-Robertson Co. (Stoves & Ranges of All Kinds), 257 Water
Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationary), 110 Beekman
PEEKSKILL—Crane, Wm. M. & Co.
New York Stove Works
Southard, Robertson & Co.
Union Stove Works (Furnaces, Ranges,
PORT JERVIS—Swinton & Co. Heaters, etc.)
ROCHESTER—Co-Operative Fdy. Co.
Galusha Stove Co.
Sill Stove Works
SYRACUSE—Syracuse Stove Works ("Kernan-Welcome," Stoves, Ranges & Fur-
TROY—Burdett-Smith & Co. naces)
Fuller & Warren Co.
Gold Coin Stove Co.
UTICA—Giblin & Co. (Stoves & Ranges)
Phoenix Iron Works, 181 Blandina
WEST TROY—West Side Foundry Co.

NORTH CAROLINA.

GREENSBORO—Glascock, Stove & Mfg. Co. (Cooking & Heating Stoves)

OHIO.

AKRON—Taplin-Rice-Clerkin Co. (Climax Stoves & Ranges)
Taplin-Rice-Clerkin Co. (Climax Stoves &
BELLAIRE—Bellaire Stove Co. Ranges)
CINCINNATI — Huenefeld, E. H. Co. (Inc.) (Also Ranges, "Boss," "Uneeda," "Success" & "Selma")
Klaine, F. A. & Co., Front & Central av
Knecht, Victor Co. ("Jumbo"), 819 Wade
Miller, Wm. Range & Fur. Co., 125 E 5th
Monitor Stove & Range Co. ("Monitor" Radiator Heating Stoves)
Resor, Wm. & Co., c H. & D. Ry nr Gest
Schulte, Jno. A. & Co., 2619 Colerain av
American Range & Foundry Co.
CLEVELAND—American Range & Fdry. Co.
Cleveland Co-Operative Stove Co., 1230 Cen-
COLUMBUS—Emrich, C. tral av
Hertenstein, M. & Co.
Lattimer-Williams Mfg. Co. (L. W. Stoves & Ranges), Columbus, O.
Pioneer Stove Co.
DAYTON—Gen City Stove Co.
Kinney Mfg. Co.
ELYRIA—Fox Furnace Co. (Furnaces, Ranges
FOSTORIA—Atlas Mfg. Co. & Stoves)
GALLIPOLIS—Thompson & Francis Stove Co.
Treasure Stove Co.
HAMILTON—Kahn, F. & L. & Bros.
HILLSBORO—Bell, C. S. Co. (Heavy Heating
IRONTON—Foster Stove Co. & Caboose)
MANSFIELD—Baxter Stove Co.
Eclipse Stove Co. (Stoves & Ranges)
MARIETTA—Marietta Mfg. Co.
Nye, A. T. & Son Co.
MARTINS FERRY—Spence-Baggs Stove Co.
MASSILON—Hess, Snyder Co. (Heating & Cooking, Boomer)
NEWARK—Wehrle Co. (Stoves & Ranges)
PIQUA—Favorite Stove & Range Co.
PORTSMOUTH—Ohio Stove Co.
Portsmouth Stove & Range Co.
SALEM—Victor Stove Co.
Woodruff, J. & Sons (Stoves & Ranges)
SPRINGFIELD—Mentels, Theo., Progress Furnace & Stove Co.
TIFFIN—Herrmann & Myers
TOLEDO—Toledo Stove & Range Co. ("Gem" Stoves & Ranges)
YOUNGSTOWN—Youngstown Furnace & Sup-
Youngstown Stove & Range Co. ply Co.
ZANESVILLE—Jones, Chas. H.
Union Foundry Stove Co.

OREGON.

PORTLAND—Airtight Stove Co., 312 1st
SALEM—Loewenberg & Going Co.

PENNSYLVANIA.

ALLEGHENY—Pittsburg Stove & Range Co., Robinson c Darragh
BEAVER FALLS—Howard Stove Co.
BRISTOL—Harkins, T. B. Foundry Co. (Stoves, Ranges & Furnaces)
CANONSBURG—Simpson Stove & Mfg. Co.
COLUMBIA—Keeley Stove Co. ("Columbian" Stoves, Ranges & Furnaces)
CONSHOHOCKEN—Messinger's, H. C. Sons
DANVILLE—Danville Stove & Mfg. Co.
ERIE—Germer Stove Co.
South Erie Iron Works
LEBANON—Lebanon Stove Works.
LEHIGHTON—Lehigh Stove & Mfg. Co.
MIDDLETOWN—Raymond Mfg. Co.
PHILADELPHIA—Cox, Abram Stove Co., American c Dauphin
Diller, Caskey & Co., 6th cor Berks
Liberty Stove Co., 114 N 2d
Phila. Stove & Iron Foundry Co. (Furnaces, Stoves & Ranges), 1631 N 5th
Sheppard, Isaac A. & Co. (Furnaces, Stoves & Ranges), 1801 N 4th
Thomas, Roberts, Stevenson & Co., 3rd & McKean
PITTSBURG—Bartlett Furnace & Range Co., 805 Liberty av
Stove & Range Co. of Pittsburg.
PITTSTON—Pittston Stove Co. (Stoves, Ranges, etc., "Pittston" & "Happy Thought")
POTTSTOWN—March-Brownback Stove Co. ("Globe" Ranges, etc.)
QUAKERTOWN—Roberts, Winner & Co.
READING—Mt. Penn Stove Co.
Prizer-Painter Stove & Heater Co. (Stoves & Heaters)
Reading Stove Works ("Sunshine" Stoves, Ranges & Heaters)
ROCHESTER—Olive Stove Works
ROYERSFORD—Buckwalter Stove Co. (Stoves, Floyd-Wells Co. Ranges, Furnaces, etc.)
Grander Stove Co. (Stoves, Portable & Brick Set Ranges, Heaters & Furnaces)
SCRANTON—Scranton Stove W'ks
SINKING SPRINGS—Sinking Springs Foundry Co.
SPRING CITY — Keystone Stove Foundry (Ranges, Heaters, etc.)
Yaeger-Hunter Spring City Stove Works
YORK—Broomell, Schmidt & Stacy Co. (Inc.) (Heating Cook House, Heating from Kitchen Fire)

RHODE ISLAND.

PROVIDENCE—Barstow Stove Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Stove Co.
Gibson-White Co.
Mountain City Stove Mfg. Co.
Price-Evans Foundry Co. ("Coal King")
CLEVELAND—Hardwick Stove Co.
KNOXVILLE—Fair Foundry Co.
MEMPHIS—Wetter H. Mfg. Co. (Stoves, Ranges, etc.). Works: South Pittsburg, Tenn.
White, John & Son, 645 Dunlap av
NASHVILLE—Phillips & Buttorff Mfg. Co.
SOUTH PITTSBURG—Blacklock Fdy. Co.
Wetter, H. Mfg. Co.

VIRGINIA.

NORFOLK—Columbia Stove Co.
RICHMOND—Cameron Stove Co.
Continental Stove Co.
Richmond Pattern & Structural Iron Wks.
Richmond Stove Co. (Stoves & Ranges)
Southern Stove Works.
WAYNESBORO—Loth, W. J. Stove Co.

WEST VIRGINIA.

HUNTINGDON—Huntingdon Stove & Foundry Co.
RICHMOND—Richmond Pattern W'ks (Stoves & Ranges)
WHEELING—Wheeling Stove & Range Co.

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WISCONSIN.

BEAVER DAM — Malleable Iron Range Co.
LA CROSSE—Summit Stove Co. (Ranges)
MILWAUKEE — Brand Stove Co. (Stoves, Ranges, etc.)
Fuller-Warren Co. (Ranges, Stoves, etc.)
Lindemann, J. P. & Sons, 5000 State
Milwaukee Stove & Heater Co., 100 W Water
NEENAH—Bergstrom Bros.

Stove Mats

Federal Asbestos Mfg. Co. (Asbestos), Alliance, Ohio
Oil City Asbestos Co., Oil City, Pa.

Stove Pipe & Elbow Mfrs.

Budke Mfg. Co. ("Acme" Stove Pipe & Knock Down Stove Pipe & Four Piece Adjustable & Corrugated Elbows, etc.), Parkersburg, W. Va.
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Cleveland Elbow Co., 39 Center, Cleveland, O.
Dieckmann, Ferdinand Co., Cincinnati, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
EDWARDS MFG. CO. (Nested), 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Excelsior Steel Furnace Co., 40 W Monroe, Chicago, Ill.
Grinberg Bros., 154 South, New York
Hemp & Co., St. Louis, Mo.
Indianapolis Corrugating Co., Indianapolis, Ind.
Jackes-Evans Mfg. Co., St. Louis, Mo.
Lawrence-Letts Elbow Co. ("O. H."), Waverly, N. Y.
Niles Iron & Steel Roofing Co., Niles, O.
Ohio Stove Pipe & Mfg. Co. ("Smith's" Double Lock Nested), New Phila., Ohio
Reeves Mfg. Co., Canal Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Sheet Metal Mfg. Co., Niles, O.
Troy Stamping Works, Troy, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.
Winfield Mfg. Co., Warren, O.
Woods-Evertz Stove Co., Springfield, Mo.

Stove Polish

A. B. Polish Co. ("A. B."), 14 Haddon av, Chicago, Ill.
Black Silk Stove Polish Works ("Black Silk"), Sterling, Ill.
Cambria Paint & Color Co. (Ltd.) ("Sherman's" Liquid), Johnstown, Pa.
Clark, Geo. M. & Co. ("Jewell"), 82 Michigan av, Chicago, Ill.
Cullen, F. C. & Co. ("Aluminine"), 704 W Lake, Chicago, Ill.
Detroit Stove Polish Co. ("Ebony"), Detroit, Mich.
DIXON, JOS. CRUCIBLE CO. ("Dixon's" Graphite of Iron), Jersey City, N. J. (See adv. index & branch offices, end of book)
Ebonine Mfg. Co., Kennebunk, Mass.
Morse Bros. ("Rising Sun"), Canton, Mass.
Nickel Plate Stove Polish Co. ("Black Kid"), 461 Illinois, Chicago, Ill.
Rath Mfg. Co. ("Imperial"), Hedley & Richmond, Phila., Pa.
RUTLAND FIRE CLAY CO., Rutland, Vt. (See adv. index & branch offices, end of book)
Satin Gloss Polish Co., Portland, Me.
Tarbox Mfg. Co. ("Tarbox" Stove Gloss), New London, Conn.
United States Graphite Co., Saginaw, Mich.

Stove Trimmings

American Tube & Stamping Co. (Nickel-Plated Steel Stove Edge), Bridgeport, Conn.
Burdick & Son (Specialties), Albany, N. Y.
Dary, Marcus A., Taunton, Mass.
Fanner Mfg. Co., Cleveland, O.
Gaitley, Jno. E. Troy Nickel Works ("Alaska"), Albany, N. Y.
Ireland & Matthews Mfg. Co. (In All Metals), Detroit, Mich.
Matthews Mfg. Co., Worcester, Mass.
N. Y. Nickel Plating & Mfg. Co, 125 Watts, New York
Price-Evans Foundry Co., Chattanooga, Tenn.
Scovill Mfg. Co., Waterbury, Conn.
Troy Nickel Works (Jno. E. Gaitley, Prop.) ("Alaska"), Albany, N. Y.
WORCESTER PRESSED STEEL CO. (Brass & Steel Knobs, etc.), Worcester, Mass. (See adv. index, end of book)

Stoves (Acetylene)

Davis Acetylene Fixture & Supply Co. (Also Ranges & Heaters), Elkhart, Ind.
Harris, J. Co. (Also Ranges), Cleveland, O.
Wallace Mfg. Co. (Heating & Cooking), Olmsted Falls, O.

Stoves (Alcohol)

Buffalo Mfg. Co. (Burning Denatured Alcohol), Buffalo, N. Y.
Houchin, Thos. W. ("Sunburst"), 341 B'way, New York
Howler Mfg. Co. (Denatured), Montgomery, Ala.

Stoves (Alcohol Vapor)

Landers, Frary & Clark ("Universal"), New Britain, Conn.

Stoves (Brass Founders' Drying)

Barnett, Oscar Foundry Co. (Round & Square), Newark, N. J.

Stoves (Caboose)

Bell, C. S. Co. (Also Heavy Heating), Hillsboro, Ohio
Buda Foundry & Mfg. Co. ("Volcano," "Lewis"), Railway Exchange bldg, Chicago, Ill. Works, Harvey, Ill.
Michigan Stove Co., Detroit, Mich.
Stove & Range Co. of Pittsburg, Pittsburg, Pa.
WILSON, F. CORTEZ & CO. (Freight Car Heaters), 239 Lake, Chicago, Ill. (See adv. index, end of book)
Youngstown Furnace & Supply Co., Youngstown, O.

Stoves (Car)

Buda Foundry & Mfg. Co. ("Volcano," "Lewis," "Giant," Car-Way Caboose & Station), Railway Exchange bldg, Chicago, Ill. Works, Harvey, Ill.
Germer Stove Co. ("Radiant," Car Furnace), Erie, Pa.
McGuire-Cummings Mfg. Co., 122 N Sangamon, Chicago, Ill.
Michigan Stove Co., Detroit, Mich.
Murray Iron Works Co., Burlington, Ia.
Peninsular Stove Co., Detroit, Mich.

Stoves (Confectioners')

Mount Penn Stove Works, Reading, Pa., & 11 N 2d, Philadelphia, Pa.
Peninsular Stove Co., Detroit, Mich.
White, Chas. H. & Co. (Gas or Coal), 22 Bowker, Boston, Mass.

Stoves (Gasoline)

American Stove Co. ("Quick Meal," "Jewel" & "Monarch"), 414 N 6th, St. Louis, Mo.
Champion Funding & Foundry Co., Burlington, Ia
Clark, Geo. A. & Co. ("Jewell"), 72 Lake, Chicago, Ill.
Cook Mfg. Co., Albion, Mich.
Grand Rapids Stove Co., Grand Rapids, Mich.
Insurance Foundry Co., Covington, Ky.
Kinsey Mfg. Co. ("Kinwood"), Dayton, O.
Rutherford, J. & Son, Akron, O.
Sun Vapor Stove Mfg. Co., Detroit, Mich.
Toledo Cooker Co., ("Ideal"), Toledo, O.

Stoves, Heaters & Ranges (Gas)

Abendroth Bros. Corp. ("York" Ranges), 109 Beekman, New York
Albany Foundry Co. ("Argand" Ranges), Albany, N. Y.
American Beauty Gas Stove Co. ("American Beauty"), Erie, Pa.
American Stove Co. ("Quick Comfort" Heaters & "Reliable" & "Jewell" Stoves), St. Louis, Mo.
Art Stove Co., Detroit, Mich
Bartlett, J. C. Co., Pittsburg, Pa., & West Newton, Pa.
Block, Israel, 137 W. 118th, New York
Brand Stove Co. ("Famous" Gas Ranges), Milwaukee, Wis.
Bryan Mfg. Co. ("Bryan"), 1900 F'k'd av, Baltimore, Md.
Central Oil & Gas Stove Co. (No Ranges), Gardner, Mass.
Chelsea Stove & Mfg. Co., Chelsea, Mich.
Clark, Geo. M. & Co. ("Jewel"), 82 Michigan av, Chicago, Ill.
Cleveland Foundry Co. (Stoves & Ranges), Cleveland, O.
Co-operative Foundry Co., Rochester, N. Y.
Co-Operative Stove Co. ("Amherst" Ranges), Buffalo, N. Y.
Crane, Wm. M. Co. (Stoves, Heaters & Ranges; also Coal), 16 N 32d, New York
Cutter & Proctor Stove Co. ("Regal Peoria"), Peoria, Ill.
Dangler Stove Co. ("Gem"), Cleveland, O.
Denison Mfg. Co. (For House Only), Warren, Ohio
Detroit Heating & Lighting Co. (Stoves & Ranges), Wight or Leib, Detroit, Mich.
Detroit Stove Works (Stoves & Ranges), Detroit, Mich.
Detroit Vapor Stove Co., 419 Franklin, Detroit.
Eclipse Gas Stove Co., Rockford, Ill. Mich.
Economy Stove Co. ("Economy" Ranges), Cleveland, O.
Erlez Stove & Mfg. Co., Erie, Pa
Estate Stove Co. ("Estate" Gas Ranges), Hamilton, O.
Favorite Stove & Range Co. ("Favorite" Ranges), Piqua, O.
Gem City Stove Co. ("Clermont" & "Perfect"), Dayton, O.
Gem City Stove Mfg. Co., Quincy, Ill.
Gilbert & Barker Mfg. Co. ("Astral"), Springfield, Mass.
Goldstein, Jos., 323 Pearl, New York
Griswold Mfg. Co. ("Classic"), Erie, Pa.
Hermyer Stove Co., Tiffin, O.
Hoerlein, F. G. (Bakers' Gas Stoves), 806 Myrtle av, B'klyn, N. Y.
Hoopman & Pearce (Gas Stoves), Byesville, Ohio
Hydraulmatic Co. ("Essex"), 8 Lum, Newark, N. J.
Ideal Mfg. Co. (Ranges Only), 546 Franklin, Detroit, Mich.
Independent Register & Mfg. Co., Cleveland, O.
Johnson Machine Co., Uniontown, Pa.
Kalamazoo Stove Co. ("Kalamazoo" Ranges), Kalamazoo, Mich.
Kaufman, A. G. Mfg. Co. ("Radion" Portable Gas Jet, Heater & Cooking Stove), 133 Reade, New York
Kinsey Mfg. Co., Dayton, O.
Klaine, F. A. & Co. ("Good Will" Ranges), Cincinnati, Ohio
Klingelhoffer, Wm. & Co. ("Perfect"), 1425 5th av, Pittsburg, Pa.
Lev, John P., 244 Water, New York
Lindeman, A. J. & Hoverson Co. (Ranges), Milwaukee, Wis.
Los Angeles Stove Co., Los Angeles, Cal.
Manhattan Gas Heating Co. ("Manhattan"), 909 7th av, New York
Maryland Foundry Co. (A. Weiskittle & Son, Prop'rs), Baltimore, Md.
Maryland Meter Co., North & Saratoga, Baltimore, Md.
Michigan Stove Co. ("Garland"; also Appliances), Detroit, Mich.
Milwaukee Gas Stove Co., 139 Burrell ("Perfection"), Open Grate & Heaters, Milwaukee, Wis.
Monitor Stove & Range Co. ("Monitor" Ranges), Cincinnati, Ohio
Mountain State Gas Stove Mfg. Co., Moundsville, W. Va.
Munsell, Eugene & Co., 68 Church, New York
National Enameling & Stamping Co., 274 B'way, New York, & St. Louis, Mo.
National Light & Heating Co. (Stoves, etc.), Freeport, O.
New Method Co. (For Natural Gas Heating & Cooking), Mansfield, O.
New York Gas Stove Works, 243 Water, New York
Novelty Mfg. Co. (Heaters Only), Jackson, Mich.
Odin Stove Mfg. Co., Erie, Pa.
Peerless Stove & Range Co. ("Radium," "Peerless"), Columbus, O.
Peninsular Stove Co., 10th & W Fort, Detroit, Mich.
Perfect Gas Stove Mfg. Co. ("Wilson" Odorless), Huntington, W. Va.
Phillips Gas Stove Works, 420 E 8th, Cincinnati, O.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Progress Furnace Co., Springfield, O.
Quad Stove Mfg. Co. ("Quad" Ranges), Columbus, Ohio
Rathbone, Sard & Co. ("Acorn" Gas Ranges etc.), Albany, N. Y., & Aurora, Ill.
Republic Stove Mfg. Co. ("Republic" Ranges), Cleveland, Ohio
Roberts & Mander Gas Stove Co. ("Quality" Ranges), Phila., Pa.
Rund Mfg. Co., 307 Wood, Pittsburg, Pa.
Rutherford, J. & Son, Akron, O.
Schneider & Trenkamp Co. ("Reliable" Ranges, Heaters, Stoves & Gas Water Heaters), Cleveland, O.
Scranton Stove Works ("Dockash" Ranges), Scranton, Pa.
Searchlight Mfg. Co. (Ranges), Mount Pleasant, Pa.
Sheppard, Isaac A. & Co. ("Imperial," "Excelsior" Ranges), 4th & Montgomery av
Sheridan Stove Mfg. Co., Quincy, Ill.
Sherman Stove Co., Quincy, Ill.
Silver & Co. (Inc.), 312 Hewes, Brooklyn, N. Y
Snodgrass Mfg. Co., Idlewood, Pa.

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Southard-Robinson Co., 257 Water, New York
Stamford Gas Stove Co., Stamford, Conn.
Standard Lighting Co. ("New Process" Visible Gas Ranges), Cleveland, O.
Star Foundry Co., Covington, Ky.
Stephenson Mfg. Co. ("Zenith" Ranges), Allegheny, Pa.
Strand Heater Co. ("Strand" Gas Heater), Cleveland, Ohio
Sunray Stove Co. ("Sunray"), Newark, Ohio
Taylor & Boggis Foundry Co. (Stoves Only), Cleveland, Ohio
Thomas-Roberts-Stevenson Co. ("Fortune" Ranges), 3rd & McKean, Phila., Pa
TURNER & SEYMOUR MFG. CO. (Gas Heaters & Stoves Only), Torrington, Conn. (See adv. Index, end of book)
Union Stove Works ("Astor" Radiator), 10 Beekman, New York, & Peekskill, N. Y.
Wallace Mfg. Co. (Ranges), Pittsburg, Pa.
Warren Stove Co. (Steel Ranges), Warren, Ohio.
Weiskittle & Son ("Fire King" Gas Radiator) Alicesanna & Wash'n, Baltimore, Md.
White, Thos., Stove Co. ("Bacon"), Quincy Ill.
Wonder Mfg. Co. ("Wonder" Ranges), Washington C. H., Ohio
Youngstown Furnace & Supply Co., Youngstown, O.

Stoves (Hot Blast)

Scaife Foundry & Machine Co., Pittsburg, Pa.
Peninsular Stove Co., Detroit, Mich.
Pittsburg Steel Construction Co., Lewis Block, Pittsburg, Pa. Works, Economy, Pa.
Youngstown Furnace & Supply Co., Youngstown, O.

Stoves (Laundry)

Adams Laundry Machinery Co., 1035 6th av. Troy, N. Y.
American Stove Co. (Gas) St. Louis, Mo.
Belleville Stove & Range Co., Belleville, Ill.
Crane, W. M. Co., 16 W 32nd, New York
Detroit Stove Works ("Paragon"), Detroit.
Eclipse Stove Co., Mansfield, O. Mich.
Fischer, Wm. G. Stove & Range Co., 223 W 3d, Cincinnati, Ohio
Excelsior Stove & Mfg. Co., Quincy, Ill.
Hawkins, Rollyn Co., Indianapolis, Ind.
Its, John G. & Co., San Francisco, Cal.
Illinois Malleable Iron Co. ("Imico" Heater), 515 Diversey Boul, Chicago, Ill.
Malleable Steel Range Mfg. Co., South Bend, Ind.
Mahony Mfg. Co., Troy, N. Y.
Michigan Stove Co., Detroit, Mich.
Miller, Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Moser, M. J. & Co., W Troy, N. Y.
Novelty Iron Co. ("Our Own," "Chicago"), Canton, O.
Pierce, Butler & Pierce ("Little Giant"), Syracuse, N. Y.
Peninsular Stove Co., Detroit, Mich.
Rollyn, Hawkins Co., 326 E Market, Indianapolis, Ind.
Stephenson Mfg. Co. ("Zenith"), Allegheny, Pa
Walker & Pratt Mfg. Co., 33 Union, Boston, Mass.

*Stoves (Masons')

DROUVE, G. CO., 40 Tulip, Bridgeport, Conn. (See adv. Index, end of book)

Stoves (Oil)

(See Stoves & Heaters, Oil)

Stoves (Plasterers')

DROUVE, G. CO., 40 Tulip, Bridgeport, Conn. (See adv. Index, end of book)
Eagle Iron Works (Inc.), ("May's"), 850 De Kalb av., Brooklyn, N. Y.
Fleck, M., 442 Pleasant av, New York
Union Elevator & Machine Co., 144 Ontario, Chicago, Ill.
White, Chas. H. & Co. (Coal or Coke), 22 Bowker, Boston, Mass.

Stoves (Sand Drying)

(See Sand & Gravel Heaters & Dryers)

Stoves & Heaters (Oil)

American Stove Co. ("Quick Meal," "Reliable"), 414 N 6th, St. Louis, Mo.
Barler, A. C. Mfg. Co. ("Barler Ideal"), 104 Lake, Chicago, Ill.
Bradley & Hubbard Mfg. Co. ("B. & H."), Meriden, Conn.
Central Oil & Gas Stove Co. ("Florence"), Gardner, Mass.
Chelsea Stove & Mfg. Co., Chelsea, Mich.
Chicago Wheel & Mfg. Co. ("Gem"), 330 W Monroe, Chicago, Ill.
Cleveland Foundry Co. ("Puritan" Cooking & Heating), 63 Platt, Cleveland, O.
Coldwater Oil Stove Co., Coldwater, Mich.
Dangler Stove Co., Cleveland, O.
Goldstein, Jos., 323 Pearl, New York
Griswold Mfg. Co., Erie, Pa.
Hydrocarbon Burner Co. ("Khotal"), 197 Fulton, New York
Kinne Mfg. Co. ("Perfection"), 1124 S 3rd, Minneapolis, Minn.
Kinsey Mfg. Co., Dayton, O.
Los Angeles Stove Co., Los Angeles, Cal.
Manhattan Brass Co., 338 E 28th, New York
Maryland Foundry Co. ("The King") (A. Weiskittle & Son, Prop'rs), Baltimore, Md.
Michigan Hardware Mfg. Co. ("Blue Flame" Oil Stoves), Grand Rapids, Mich.
Miller, Edw. & Co. ("Miller" Kerosene Heaters), Meriden, Conn., & 28 W B'way, New York
National Enameling & Stamping Co., 374 B'way, New York, & St. Louis, Mo.
National Stove Co. (American Stove Co.), Lorain, O
New York Gas Stove Works ("The King"), 243 Water, New York
Niagara Oil Stove Co., North Tonawanda, N.Y.
Novelty Mfg. Co. ("Alumino & Electric"), Jackson, Mich.
Plume & Atwood Mfg. Co. ("Banner"), Waterbury, Conn
Rochester Lamp Co. ("Rochester"), 38 Park pl, New York
Rose, C. G. (Stoves), Jeffersonville, Ind.
Silver & Co. (Inc.), 312 Hewes, Brooklyn, N. Y.
Standard Lighting Co. ("New Process"), 10 Perkins, Cleveland, O
Standard Oil Co. ("Perfection"), 555 W 25th, New York
Stillman Safety Lamp Co. ("Stillman" Non-Explosive), 68 Murray, New York
Taylor & Boggis Fdry. Co. (Stoves), Cleveland, Ohio
Toledo Cooker Co. ("Ideal"), Toledo, O.
Weiskittle, A. & Son ("Fire King"), Alicesanna & Wash'n, Baltimore, Md.
Wotherspoon, Jas. R., 238 N Front, Phila., Pa.

Stoves & Ranges (Gas)

(See Stoves, Heaters & Ranges, Gas)

Straddler for Embedding Tie Plates

Pittsburg Tool & Drop Forge Co. ("Chesswick"). Works, Cheswick, Pa

Straight Edges

Athol Machine Co. (Steel Hardened & Ground), Athol, Mass.
Atkins, E. C. & Co. (Inc.), Home Offices & Factories, Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich
Brown & Sharpe Mfg. Co. (Cast Iron, Knife Edge, Steel Hardened & Ground), Providence, R. I.
COVEL MFG. CO. (Saw), Benton Harbor, Mich. (See adv. Index, end of book)
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Hub Machine & Tool Co. (Cast Iron), 621 Cherry, Phila., Pa.
Keuffel & Esser Co. (Steel Flexible), 127 Fulton, New York
Massachusetts Tool Co. (Steel Hardened & Ground), Greenfield, Mass.
Pratt & Whitney Co. (Knife Edge), Hartford, Conn
Rogers, John M. Works (Cast Iron), Gloucester City, N. J.
Sawyer Tool Mfg. Co, (Steel Hardened & Ground), Fitchburg, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
Standard Tool Co., Cleveland, O.
STARRETT, L. S. CO. (Steel Hardened & Ground), Athol, Mass. (See adv. Index & branch offices, end of book)

*Straighteners (Core Wire)

BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. Index & branch offices, end of book)
HILL & GRIFFITH CO., Cincinnati, O. (See adv. Index, end of book)
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. Index & branch offices, end of book)

*Strainers (Brass, Overflow)

VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. Index, end of book)

Strainers (Conductor & Eave Trough)

BERNZ, OTTO, S 13th c S Orange av, Newark, N. J. (See adv. Index, end of book)
CANTON MFG. CO., Canton, Ohio. (See adv. Index, end of book)
Coldwater Specialty Mfg. Co., Coldwater, Mich.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. Index, end of book)
Hamblin & Russell Mfg. Co., Worcester, Mass.
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. Index & branch offices, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. Index & branch offices, end of book)

*Strainers (Galvanized Flanged)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. (See adv. Index and branch offices, end of book)

*Strainers (Gasoline)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. Index & branch offices, end of book)

Strainers (Gutter)

(See Strainers, Conductor & Eave Trough)

Strainers (Hose)

Elkhart Brass Mfg. Co. (Brass Suction for Fire Dep't), Elkhart, Ind.
Hancock Inspirator Co., The, 85 Liberty, New York

*Strainers (Injector)

LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. Index & branch offices, end of book)

Strainers (Pipe)

CENTRAL FOUNDRY CO., 37 Wall, New York. (See adv. Index, end of book)
Mueller, H. Mfg. Co., Decatur, Ill.
Pancoast, Henry B. & Co. ("Extra Leaky"), 243 S 3d, Phila., Pa.

Strainers (Sink)

Andrews Wire & Iron Works ("Vrooman's"), Rockford, Ill.
Barber Mfg. Co. (Painted & Enameled), Ashtabula, O.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Elite Strainer Mfg. Co., Cleveland, O.
Frost Mfg. Co. (Basin & Sink), Kenosha, Wis.
Hamblin & Russell Mfg. Co., Worcester, Mass.
National Mfg. Co. (Wire), Worcester, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Pritchard-Strong Co. ("Prisco"), Rochester, N Y.
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. Index, end of book)
Wire Goods Co., Worcester, Mass.

Strainers (Suction)

Liberty Mfg. Co. ("Liberty" Twin), 6509 Susquehanna, Pittsburg, Pa.
Uncas Specialty Co. ("Leavitt"), Norwich, Conn.

Strainers (Urinal)

Hach, Richard G. ("Hach"), 159 E 26th, New York

Strainers & Separators (Gasoline)

Ross Mfg. Co. ("Boss"), Atlantic, Mass.
Breeze Carbureter Co. ("Breeze"), 28 Main, Newark, N. J.
Columbus Brass Co., 41 N 4th, Columbus, O.

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Fairmount Engineering Co. ("Chadwick"), 3205 Spring Garden, Phila., Pa.
Hatcher Auto Parts Co., 138 Viaduct, Cleveland, O.
Winkley Co. ("Eureka"), Detroit, Mich.

*Strand (Stone Sawing)

TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)

*Straps (Baggage Check)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl. New York. (See adv. index, end of book)

Straps (Anchor)

Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Straps (Beam, Electric)

Steel City Electric Co., Pittsburg, Pa.

Straps (Crate)

(See Box Straps)

*Straps (Deckle)

BOSTON BELTING CO. (For Foundrinier Paper Machines), 260 Devonshire, Boston, Mass. (See adv. index & branch offices, end of book)

Straps (Pipe)

American Pin Co. (Brass), Waterbury, Conn.
Berger Bros. Co., 237 Arch, Philadelphia, Pa.
Boston Brass Co., 36 Oliver, Boston, Mass.
Cann & Saul, 516 Commerce, Phila., Pa.
Devlin, Thos. Mfg. Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Diamond Stamped Ware Co., Detroit, Mich.
Falls Mfg. Co., San Francisco, Cal.
Fee & Mason, 31 Beekman, New York.
Grabler Mfg. Co., Cleveland, O.
Illinois Malleable Iron Co., 515 Diversity boul, Chicago, Ill.
Lalance & Crosjean Mfg. Co. (Wrought Steel, Gas, etc.), 299 B'way, New York
Smith & Egge Mfg. Co. (Single & Double), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Wall, P. Mfg. Supply Co., Pittsburg, Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.
Wolverine Brass Works (Tinned), Grand Rapids, Mich.

*Straps (Pitman)

WHITMAN & BARNES MFG. CO. (Iron & Wood for Agl. Implts.), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Straps (Pole)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.

Straps (Skate, Trunk, Blanket, Etc.)

Graton & Knight Mfg. Co., Worcester, Mass.
HUDSON BELTING CO. (Trunk, etc.), Worcester, Mass. (See adv. index, end of book)
Kelton-Bruce Mfg. Co., Salem, Mass.
Kirby Mfg. Co., Middletown, Conn.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.

Straps (Street Car)

McClinchie, Uriah, 152 E 23d, New York
Rhoades, J. E. & Son, 12 N 3d, Phila., Pa.

Straps (Timber)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Kansas City Bolt & Nut Co. (Also Bridge), Kansas City, Mo.

Strawboard Mfrs.

(For Other Manufacturers in this Line, see Paper & Pulp Mills)

Barrett Mfg. Co. (Plain & Tarred), Land Title Bldg., Phila., Pa.
Eastern Straw Board Co., Manchester, Conn.

Street Lighting

Automatic Incandescent Light Co., Northboro, Mass.
Best Light Co., Canton, O.
Welsbach Street Lighting Co. (of America), Broad & Arch, Phila., Pa., & Chicago, Ill.

Street Lighting (Sun Vapor)

(See Lamps, Incandescent Vapor Gas)

Street Railway Sprinkling Cars

(See Cars, Sprinkling, Street Railway)

Street Railway Sweeping Machines

(See Machines, Street Railway Sweeping)

Street Sprinkler Wagon Tanks

Acme Road Machinery Co., Frankfort, N. Y.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Littleford Bros., 455 E Pearl, Cincinnati, O.

Street Sprinkling Carts & Wagons

Abbott, Downing Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
Austin Mfg. Co., Manhattan Bldg., Chicago, Ill.
Kinyre, E. D. & Co., Oregon, Ill.
Kissinger-Ison Co., 466 Pioneer, Cincinnati, O.
Lansing Wheelbarrow Co. (Carts), Lansing, Mich.
Longenecker, Chas. & Co., 150 Nassau, New York
Sherman, I. N. W., 144 S Green, Chicago, Ill.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Universal Road Machinery Co., 120 Liberty, New York
Winkler Bros. Mfg. Co., South Bend, Ind.
Winship Mfg. Co., Racine, Wis.
Woodhouse, J. S., 191 Water, New York

Street Sweepers (Hand)

Barron Jas. S. ("Peerless," for Street Piers, Factory, Platform, etc.), 129 Franklin, New York
Sanitary Street Cleaning Co. ("Peerless" Pickups), Washington, D. C.
STROUD, E. H. & CO., 36 LaSalle, Chicago, Ill. (See adv. index, end of book)

Street Sweeping Bag Carriers

(See Carriers, Can & Bag, Street Sweeping)

Street Sweeping Machines

(See Machines, Street Sweeping)

*Stretchers (Box Strap)

CARY MFG. CO. ("Cary's"), 19 Roosevelt, New York. (See adv. index, end of book)

Stretchers (Carpet)

Arcade Mfg. Co., Freeport, Ill.
Braunsdorf-Miller Co. (Extension Handle), Elizabeth, N. J.
Denison Mfg. Co., Warren, O.
Hunt, Helm, Ferris & Co. ("Star" Round Bar), Harvard, Ill.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Knapp, Geo. S. ("Bullard"), Bridgeport, Conn.
Kroeuter & Co., Newark, N. J.
Mallory, C. M., Albion, N. Y.
Montross, R. W. ("Excelsior" Stretcher & Tack Hammer Combined), Galien, Mich.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Quilling, J. W. Mfg. Co. ("Faultless" Stretcher & Tacker), Quincy, Ill.
Sitterly Novelty Works ("King"), Auburn, N. Y.
Smith, Seymour & Son, Oakville, Conn.
Storts, John & Son, 210 Vine, Phila., Pa.

Stretchers (Curtain)

Chicago Curtain Stretcher Co. ("No Piece"), 104 N Lincoln, Chicago, Ill.

Stretchers (Electric Wire)

Eureka Tempered Copper Works, North East, Pa.

Stretchers (Saw)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Hanchett Swage Wks., Big Rapids, Mich.

Stretchers (Wire)

American Cable Fence Co. ("Champion," for Woven Wire Fence), Pekin, Ill.
American Wire Stretcher Co., 59 Clark, Chicago, Ill.
Arcade Mfg. Co. ("Warner," "Dean," "Elwood" & "Little Giant"), Freeport, Ill.
Burgess & Norton Mfg. Co., Geneva, Ill.
Burr Mfg. Co. (Fence & Wire), 2108 Superior av, N. W., Cleveland, O.
Cargill Mfg. Co. ("Ohio"), Battles av, Columbus, O.
Church Bros. ("Church," for Woven Wire Fence), Adrian, Mich.
Cyclone Fence Co. ("Cyclone," for Woven Wire Fence), Waukegan, Ill.
De Kalb Fence Co. ("De Kalb," for Wire Fence), De Kelb, Ill.
Denning Wire & Fence Co. ("Handy," "Lindsay," for Woven Wire Fence), Cedar Rapids, Ia.
Dillon-Griswold Wire Co. ("Griswold," for Woven Wire Fence), Sterling, Ill.
Dwiggins Wire Fence Co. ("Perfection," for Woven Wire Fence), Anderson, Ind.
Elliott & Reid Co. ("Royal," for Woven Wire Fence), Richmond, Ind.
Hall-Benedict Mfg. Co. ("Benedict's"), Monticello, Ia.
Hardware & Woodenware Mfg. Co. ("Brighton" Wire Fence), 698 B'way, New York
Hohulin Bros. ("Success," for Woven Wire Fence; also for Wire Fence), Goodfield, Ill.
Hunt, Helm, Ferris & Co. ("Star," "Knoxall," "Elwood," "Endless," "Dean," "Little Giant," "Self Lock," "Sampson," "Big Giant," for Woven Wire Fence; also for Wire Fence), Harvard, Ill.
Interlocking Fence Co. ("Interlocking"), for Woven Wire Fence & for Wire Fence), Merton, Ill.
Jackson Fence Co. ("Jackson," for Woven Wire Fence), Jackson, Mich.
Keystone Steel & Wire Co. ("Samson," for Woven Wire Fence), Peoria, Ill.
Lamb Wire Fence Co. ("Lamb," for Woven Wire Fence), Adrian, Mich.
Leader Fence Machine Mfg. Co. ("Leader," for Woven Wire Fence; also for Wire Fence), St. Charles, Ill.
Mason Fence Co. ("Bull Dog"), Leesburg, O.
Milwaukee Hay Tool Co. ("Milwaukee," for Wire Fence), Milwaukee, Wis.
Never Slip Wire Stretcher & Novelty Co., West Farmington, O.
New England Anchor Fence Co. (For Woven Wire Fence), Worcester, Mass.
Ney Mfg. Co. ("Ney," for Wire Fence), Canton, O.
Page Woven Wire Fence Co. ("Page," for Woven Wire Fence; also "Pittsburg," for Wire Fence), Adrian, Mich.
Schriven, O. P. & Co. ("I X L"), 208 Elm, Cincinnati, O.
Smith, C. F. & Co. ("Franklin," for Woven Wire Fence), De Kalb, Ill.
Stowell Mfg. Foundry Co. ("Franklin," for Wire Fence), South Milwaukee, Wis.
Strickler Hay Tool Co., Janesville, Wis.
Townsend, F. J., Painted Post, N. Y.
Universal Ratchet Co. ("Universal," for Woven Wire Fence; also for Wire Fence), Detroit, Mich.
Western Steel & Iron Works ("Western"), De Pere, Wis.
Wilcox Mfg. Co. ("Wilcox Giant," for Woven Wire Fence; also "Wilcox," "Advance," "Elwood" & "Triumph," for Wire Fence), Aurora, Ill.

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Stringers (Ham)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Stortz, John & Son, 210 Vine, Phila., Pa.

*Strippers (Ingot)

MORGAN ENGINEERING CO. (Electric & Hydraulic), Alliance, O. (See adv. index, & branch offices, end of book)

*Stubs (Expansion)

STAR EXPANSION BOLT CO. (Awning "Star"), 147 Cedar, New York. (See adv. index & branch offices, end of book)

Stucco Mfrs.

American Gypsum Co., Cleveland, O.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Consumers' Gypsum Co., Clinton, O.
Empire Gypsum Co., Garbutt, N. Y.
Fort Dodge Gypsum Co., Fort Dodge, Iowa
Garbutt Gypsum Co., Rochester, N. Y., & Garbutt, N. Y.
Iowa Hard Plaster Co., Fort Dodge, Iowa
Lycoming Calcining Co., Williamsport, Pa.
McCarrel Compo-Stone & Stucco Co., Jacksonville, Fla.
Niagara Gypsum Co. ("Niagara"), 597 Michigan, Buffalo, N. Y.
Plymouth Gypsum Co., Fort Dodge, Iowa
Reeb, M. A., 599 Michigan, Buffalo, N. Y.
Southern Gypsum Co., North Holston, Va.
United States Gypsum Co., 200 Monroe, Chicago, Ill., & Cleveland, O.

Stucco Retarder

Chemical Stucco Retarder Co., Webster City, Iowa
Elcessor Stucco Retarder Co., Braddock, Pa.
Ohio & Binns Retarder Co., Port Clinton, O.
Sheridan Stucco Retarder Co., Toledo, O.

Stucco Work

ARCHITECTURAL DECORATING CO., 643 S Jefferson, Chicago, Ill. (See adv. index, end of book)
Berger's, H. Sons, 101 4th av, New York
Emmel, Chas. & Rose Co., 383 Albany, Boston, Mass.
Fischer & Jirouch, 1008 Scovil av, S. E. Cleve.
Forman, Geo. A., 654 Gates av, Brooklyn, N.Y.
Fowle, Herbert, 43 Bristol, Boston, Mass.
Klee-Thomson Co., 327 E 40th, New York
Lewis, Geo. W., 390 Knight, Providence, R. I.
Root, C. R., 104 Asylum, Hartford, Conn.
Schneider, F. H., Syracuse, N. Y.
SEIFERT, FRANK A. PLASTIC RElief Co., 2621-2627 Dayton, St. Louis, Mo. (See adv. index, end of book)
Sleep, Elliott & King Co. (Inc.), 351 Cambridge, Boston, Mass.
Tognarelli & Voigt, 2310 Chestnut, Phila., Pa.
Van Malderen, F., 5th av & Jumonville, Pittsburg, Pa.

*Studding ("Allunited" Steel)

GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)

*Studding (Slotted Steel)

BERGER MFG. CO. (Prong Lock), Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
SHARON STEEL HOOP CO. ("Collins"), Sharon, Pa. (See adv. index & branch offices, end of book)
UNITED STEEL STUDDING CO ("Collins"), Sharon, Pa., & Commercial National Bank bldg, Chicago, Ill.

Studs (Electric Fixture)

Steel City Electric Co. ("Star"), Pittsburg, Pa.

Studs (Lacing)

Tubular Rivet & Stud Co., Boston, Mass.

Studs (Metal)

Knapp Bros. Mfg. Co. ("Knapp's" for Plaster Fireproof Partitions), 123 Franklin, Chicago, Ill.
Union Building Material Co. ("Union"), 1 Madison av, New York
UNITED STATES STUDDING CO. ("Collins"), Commercial Nat'l Bank bldg, Chicago, Ill.
Youngstown Iron & Steel Roofing Co. (For Furring, etc.), Youngstown, O.

Studs (Milled Iron)

American Iron & Steel Mfg. Co. (Also Brass), Lebanon, Pa.
Anthony Screw Co., Worcester, Mass.
Blake & Johnson Co., Waterbury, Conn.
Chicago Screw Co., 519 Homan av, Chicago, Ill.
Cincinnati Screw & Tap Co., Twightwee, O.
Corbin Screw Corporation, New Britain, Conn.
DETROIT SCREW WORKS, 348 Franklin, Detroit, Mich. (See adv. index, end of book)
Dodge Screw Corporation ("Special"), 27 Purchase, Boston, Mass.
Hartford Machine Screw Co., Hartford, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hope, Wm. H. & Co., Lowell, Mass.
Hopedale Machine Co., Hopedale, Mass.
NATIONAL-ACME MFG. CO., 7500 Stanton av, S E, Cleveland, O. (See adv. index & branch offices, end of book)
Niagara Screw Co., Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Screw & Bolt Co., Pittsburg, Pa.
Progressive Mfg. Co. (Also Steel, Brass, etc., to Order Only), Torrington, Conn.
Reed & Curtis Machine Screw Co., Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Worcester Machine Screw Co., Worcester, Mass.

*Stuff Chests

CALDWELL, W. E. CO., Brook & D, Louisville, Ky. (See adv. index, end of book)

Stuffers (Sausage)

Brecht, Gus. V. Butchers' Supply Co., 1201 Cass av, St. Louis, Mo.
Enterprise Mfg. Co., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Murray Iron Works Co. ("Stallman," Stearn & Draw-Cut, etc.), Burlington, Iowa
Silver Mfg. Co. ("Wagner"), Salem, O.
Union Machine Works & Iron Foundry ("Union"), 1825 So Water, Phila., Pa.

Submarine Armor

(See Diving Apparatus)

Suckers (Soot)

(See Cleaners, Boiler Flue & Tube)

Sugar of Lead

Harshaw, Fuller & Goodwin Co., Cleveland, O

If You Are In Doubt

as to the original manufacturer of any machine or tool on which the patents have expired, that is now being exploited by many makers, ask HENDRICKS'—

They Can Tell You

Sugar Machinery

(Under this Heading see the following Classifications)

Barrel Packers, Sugar.
Batteries, Diffusion.
Beet Washing & Slicing Machines.
Cane Sugar Machinery.
Carbonation or Saturation Plants.
Centrifugals & Mixers, Sugar.
Char Filters & Kilns.
Clarifiers.
Conveyors, Ribbon Scroll.
Crushers, Sugar Cane.
Crystalizers.
Cube Sugar Apparatus.
Defecators.
Dryers, Cane, Continuous.
Evaporators, Multiple Effects.
Feeders, Sugar Cane Carrier.
Filters, Bag.
Filters, Mechanical Sugar.
Furnaces, Bagasse.
Grabs, Sugar Cane.
Granulators, Sugar.
Heaters, Juice.
Kilns, Lime.
Loaders, Sugar Cane.
Mills, Sugar Cane.
Pans, Vacuum.
Portable Railways.
Rollers & Pinions.
Shredders, Sugar Cane.
Sugar Cane Unloading Apparatus & Conveyor.
Sulphur Machines.
Triturators.

Barrel Packers (Sugar)

Hersey Mfg. Co., 314 W 2nd, Boston, Mass.

Batteries (Diffusion)

Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robert & Co., 507 W 32d, New York
Dyer Co., New England bldg, Cleveland, O.
Kilby Mfg. Co., Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
Morris, Henry G., 333 Walnut, Phila., Pa.
Pusey & Jones Co., Wilmington, Del.
Walburn-Swenson Co., Monadnock blk, Chicago, Ill. Works, Chicago Heights, Ill.
Whitney Iron Works Co., 861 Tchoupitoulas, New Orleans, La.

Beet Washing & Slicing Machines

Allentown Fdry & Machine Works, Allentown, Pa.
Dyer Co., New England bldg, Cleveland, O.
Kilby Mfg. Co., Cleveland, O.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Cane Sugar Machinery

Allentown Fdry & Machine Works, Allentown, Pa.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Guiler Engineering Co., 359 Produce Exchange, New York

Carbonation or Saturation Plants

Dyer Co., New England bldg, Cleveland, O.
Kilby Mfg. Co., Cleveland, O.
Pusey & Jones Co., Wilmington, Del.

Centrifugals & Mixers (Sugar)

Allentown Fdry & Machine Works, Allentown, Pa.
American Laundry Machinery Mfg. Co. (Centrifugals), Norwood, Cincinnati, O.
American Tool & Machine Co., 109 Beach, Boston, Mass.
Blymyer Iron Works Co. ("Triumph" with Hand Power Jack), Cincinnati, O.
Boland & Gschwind Co., New Orleans, La.
Caldwell-Wilcox Co., Newburgh, N. Y.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
D'Olier Engineering Co. (Motor Driven), 121 S. 11th, Phila., Pa.
Hepworth, S. S. Co., 92 William, New York
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Krajewski-Pesant Co., 21 State, New York

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Morris, Henry G., 333 Walnut, Phila., Pa.
Mandt, Chas. & Sons, 441 Pearl, New York
Murphy, John H. Iron Works, 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pusey & Jones Co., Wilmington, Del.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Wolf, Fred W. Co., 139 Rees, Chicago, Ill.

Char Filters & Kiln

Allentown Fdry & Machine Works, Allentown, Pa.
Broomell, Schmidt & Stacey Co. (Inc.), York, Pa.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Kilby Mfg. Co., Cleveland, O.
Morris, Henry G., 333 Walnut, Phila., Pa.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Treadwell, M. H. Co., 90 West, New York; Works: Lebanon, Pa.
Wolf, Fred W. Co., 139 Rees, Chicago, Ill.
Wood, R. D. & Co. ("Char Filters"), 400 Chestnut, Philadelphia, Pa.

Clarifiers

Allentown Fdry. & Mach. W'ks, Allentown, Pa.
Blymyer, Iron Works Co., Spring Grove av & Terrace pl, Cincinnati, O.
Cornell, J. B. & J. M., 26th & 11th av, New York
Deeley, Rob't & Co., 507 W 32d, New York (Solutions), 76½ Pine, New York
Deming Apparatus Co. (For Purifying Sugar Solutions), 76½ Pine, New York
Flynn, W. S., 76 Hudson, Jersey City, N. J.
Haubtman & Loeb Co. (Ltd.), 22 S Peters, New Orleans, La.
Kilby Mfg. Co., Cleveland, O.
Morris, Henry G., 333 Walnut, Phila., Pa.
Murphy, John H., Iron Works, 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn, N.Y.
Pusey & Jones Co., Wilmington, Del.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Wasel's Copper Works, 50 N. 3d, Brooklyn, N. Y.

Conveyors (Ribbon Scroll)

American Tool & Machine Co., 109 Beach,
Kilby Mfg. Co., Cleveland, O. Boston, Mass.

Crushers (Sugar Cane),

(See Mills, Sugar Cane)

Crystalizers

Allentown Fdry & Machine Works, Allentown, Pa.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Dyer Co., New England bldg, Cleveland, O.
Eastwick Engineering Co., 15 Park Row, New York, & 807 Common, New Orleans, La
Kilby Mfg. Co., Cleveland, O.
Morris, Henry G., 333 Walnut, Phila., Pa.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn, N.Y.
Pusey & Jones Co., Wilmington, Del.
Treadwell, M. H. Co., 90 West, New York; Works, Lebanon, Pa.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y
Whitney Iron Works Co., 861 Tchoupitoulas, New Orleans, La.
Wolf, Fred W. Co., 139 Rees, Chicago, Ill.

Cube Sugar Apparatus

Deeley, Robt. & Co., 507 W 32d, New York
Hersey Mfg. Co., 314 W 2d, Boston, Mass.

Defecators

Blymyer Iron Works Co. ("Santa Clara"), Spring Grove av & Terrace pl, Cincinnati, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Flynn, W. S., 76 Hudson, Jersey City, N. J.
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Kilby Mfg. Co., Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
Morris, Henry G., 333 Walnut, Phila., Pa.
Murphy, Jno. H., 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn, N.Y.
Pusey & Jones Co., Wilmington, Del.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Wasel's Copper Works, 50 N. 3d, Brooklyn, N. Y.

Driers (Cane, Continuous)

Kilby Mfg. Co., Cleveland, O.

Evaporators (Multiple Effects)

Baeuerle & Morris, 932 N. Front, Phila., Pa.
Blymyer Iron Works Co. ("Cook"), Spring Grove av & Terrace pl, Cincinnati, O.
Buffalo Foundry & Machine Co., Buffalo, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Champion Evaporator Co. (Evaporators), Hudson, O.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Dyer Co., New England bldg, Cleveland, O.
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av., Phila., Pa. (See adv. index & branch offices, end of book)

Reilly Multicoil Evaporators

SINGLE AND MULTIPLE EFFECT FOR DISTILLING.

Heating surface of Copper Coils fastened to headers by screwed ground union joints.

Coils Removable. **Absolutely Elastic.**

THE GRISCOM-SPENCER CO.
90 West Street, NEW YORK, N. Y.

Haubtman & Loeb Co. (Ltd.), 222 St. Peters, New Orleans, La.
Kestner Evaporator Co., 333 Walnut, Phila., Pa.
Kilby Mfg. Co., Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
Morris, Henry G. (Double & Single), 333 Walnut, Phila., Pa.
Morris Engineering Co., 37th & Reed, Phila., Pa.
Murphy, John H., 643 Magazine, New Orleans, La
Oat, Jos. & Sons (Copper & Iron), 230 Quarry, Phila., Pa.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 155 William, Brooklyn, N. Y.
Pusey & Jones Co., Wilmington, Del.
Redfield, Robt. S. & Co., 90 West, New York. Factory: Elizabeth, N. J
Squier, Geo. L. Mfg. Co., 420 Niagara, Buffalo, N. Y.
Sugar Apparatus Mfg. Co., 326 Chestnut, Phila., Pa.
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Warren Evaporator Works (Evaporators), Warren, O.
Wasel's Copper Works, 50 N. 3d, Brooklyn, N. Y
Wheeler Condenser & Engineering Co. (Single & Multiple Effects), Carteret, N. J.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Feeders (Sugar Cane Carrier)

Bodley Wagon Co., Memphis, Tenn.
Mallon, James, 1006 Tchoupitoulas, New Orleans, La.
Nadler, Henry ("Walsh"), Plaquemine, La.

Filters (Bag)

Allentown Fdry & Machine Works, Allentown, Pa.
American Felt Co., 110 E 13th, New York
Blymyer Iron Works Co., Cincinnati, O.
Bonnot Company, Canton, O.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Gulf Bag Co., 330 Notre Dame, New Orleans, La.
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Morris, Henry G., 333 Walnut, Phila., Pa.
Murphy, John H., Iron Works, 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Wolf, Fred W. Co., 139 Rees, Chicago, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Filters (Mechanical) Sugar

Kilby Mfg. Co. (For Sugar Refineries), Cleveland, O.
Deeley, Robt. & Co., 507 W 32d, New York
HYGEIA FILTER CO., Detroit, Mich. (See adv. index, end of book)
Krajewski-Pesant Co., 21 State, New York
Payne & Joubert, 423 Carondelet, New Orleans, La.
Perrin, Wm. R. & Co., 46th & Loomis, Chicago, Ill.
Shriver, T. & Co., Harrison, N. J.

Furnaces (Bagasse)

Allentown Fdry & Machine Works, Allentown, Pa.
Babcock & Wilcox Co., New Orleans, La.
Casey-Hedges Co., Chattanooga, Tenn.
Chattanooga Plow Co., Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Rob't & Co., 507 W 32d, New York
Guild & Garrison, Kent av & S 10th, Brooklyn, N. Y.
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Morris, Henry G., 333 Walnut, Phila., Pa.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn, N. Y.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Swoop, Julian M., 1215 Josephine, New Orleans, La.

Grabs (Sugar Cane)

Thornton, J. A., Morgan City, La.

Granulators (Sugar)

Guild & Garrison, Kent av & S 10th, Brooklyn, N. Y.
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.

Heaters (Juice)

Allentown Fdry & Machine Works, Allentown, Pa.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cornell, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Robt. & Co., 507 W 32d, New York
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Kilby Mfg. Co., Cleveland, O.
Morris, Henry G., 333 Walnut, Phila., Pa.
Murphy, John H., 643 Magazine, New Orleans, La.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn, N. Y.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.

Kilns (Lime, Sugar Refining)

Dyer Co., New England bldg, Cleveland, O.
Haubtman & Loeb Co. (Ltd.), 222 S Peters, New Orleans, La.
Kilby Mfg. Co., Cleveland, O.
Wolf, Fred. W. Co., 139 Rees, Chicago, Ill.

Loaders (Sugar Cane)

Castagnos Cane Loader Co. (Ltd.), Donaldsonville, La.
Mire, J. O., Implement Co., 210 St. Peters, New Orleans, La.
Trouard, P. A. & L., Killona, La.
Lotz, L. B., Plaquemine, La.

Mills (Sugar Cane)

Allentown Fdry & Machine Works, Allentown, Pa.
Bell, C. S. Co. (Crushers, Mills), Hillsboro, O.

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Birmingham Machine & Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Corneli, J. B. & J. M. Co., 26th & 11th av, New York
Deeley, Rob't & Co., 507 W 32d, New York
Farrel Foundry & Machine Co., Ansonia, Conn.
Fulton Iron Works, St. Louis, Mo.
Golden's Foundry & Machine Co., Columbus, Ga.
Honolulu Iron Works Co., Honolulu, Hawaii.
Huntsville Foundry & Machine Works, Huntsville, Ala.
Kehoe, Wm. & Sons, Savannah, Ga.
Kilby Mfg. Co., Cleveland, O.
Krajewski-Pesant Co., 21 State, New York
Lombard Iron Works & Supply Co., Augusta, Ga.
Morris, Henry G., 333 Walnut, Phila., Pa.
North Alabama Engineering Co., New Decatur, Ala.
Payne & Joubert, 423 Carondelet, New Orleans, La.
Pioneer Iron Works, 151 William, Brooklyn.
Pusey & Jones Co., Wilmington, Del. N. Y.
Reading Iron Co., Reading, Pa.
REEVES BROS. CO., Alliance, O.
(See adv. index & branch offices, end of book)
Risdon Iron & Locomotive Works, Steuart & Folsom sts., San Francisco, Cal.
Rockford Well Drill Co., Rockford, Ill.
Rourke, John & Sons, Savannah, Ga.
Salem Iron Works (Steam, Water & Animal Power), Winston Salem, N. C.
Schofield, J. S. Sons Co., Macon, Ga.
Southern Plow Co., Columbus, Ga.
Squier, Geo. L. Mfg. Co., Buffalo, N. Y.
Standard Engineering Co., Ellwood City, Pa.
Swoop, Julian M., 1215 Josephine, New Orleans.
White, S. R. & Bro., Norfolk, Va. La.
Whitney Iron Works Co., 861 Tchonpitoulas, New Orleans, La

Pans (Vacuum)

(Pans, Vacuum, is Classified in Letter P)

Portable Railways

(See Railways, Industrial & Portable)

Rollers & Pinions

Chester Steel Casting Co., Chester, Pa., & 407 Sansom, Phila., Pa.

Shredders (Sugar Cane)

Newell Mfg. Co., 149 B'way, New York.

Sugar Cane Unloading Apparatus & Conveyor

(See Conveyors, Belt)

Sulphur Machines

Deming Apparatus Co. (For Making Sulphur Compound), 76½ Pine, New York
Krajewski-Pesant Co., 21 State, New York
Kilby Mfg. Co., Cleveland, O.

Triturators

Coldwell-Wilcox Co., Newburgh, N. Y.

(END OF SUGAR MACHINERY)

Sugar Refineries

Alameda Sugar Co. (Beet Sugar), San Francisco, Cal.; Factory: Alvarado, Cal.
Alta (Cal.) Beet Sugar Co. (Beet), Hamilton City, Cal.
Amalgamated Sugar Co. (Beet), Ogden, Utah.
American Beet Sugar Co., 32 Nassau, New York
American Sugar Refining Co., 117 Wall, New York
American Sugar Refining Co. (Standard Plant), Granite st. S B, Boston, Mass.
Arbuckle Bros., 71 Water, New York
California & Hawaiian Sugar Refining Co. (Beet Sugar), San Francisco, Cal. Factory at Crockett, Cal.
Carver County Sugar Co. (Beet), Chaska, Minn.
Chaparra Sugar Co. (Beet Sugar), 107 Front, New York
Chippewa Sugar Co. (Beet), Milwaukee, Wis. Factory: Chippewa Falls, Wis.
Clinton Sugar Refining Co., Clinton, Iowa.
Cogswell, Frank R., New Orleans, La.
Colonial Sugars Co., 33 Wall, New York.
Continental Sugar Co. (Beet), Cleveland, Ohio. Factories at Fremont, Ohio, & Blissfield, Mich.
Corn Products Mfg. Co., 42 Madison, Chicago, Ill. Refinery: Davenport, Iowa.
Corn Products Refining Co., 26 B'way, New York. Refineries: Wadkegan, Ill.; Granite City, Ill.
Cuban-American Sugar Co., 107 Front, New
Cunningham Sugar Co., Sugarland, Tex. York
Fajardo Sugar Co., 106 Wall, New York.
Federal Sugar Refining Co., 138 Front, New York; Refineries: Yonkers, N. Y.
Francisco Sugar Co., 143 S Front, Phila., Pa., & Guyabal, Cuba
Franklin Sugar Refining Co., Stock Exchange pl., Phila., Pa., & 19 E 2d, Cincinnati, O.
German-American Sugar Co. (Beet Sugar), West Bay City, Mich.
Great Western Sugar Co. (Beet), Denver, Colo. Factory: Loveland, Colo.
Guantanamo Sugar Co., 107 Front, New York.
Holland Sugar Co. (Beet), Holland, Mich.
Holly Sugar Co. (Beet), Holly, Colo.
Holly Construction Co. (Beet), Swink, Colo.
Honolulu Plantation Co., San Francisco, Cal.
Howell, B. H. Son & Co. (Beet Sugar), 109 Wall, New York.
Iowa Sugar Co. (Beet), Waverly, Ia.
Knight Sugar Co. (Beet), Raymond, Alberta, Canada.
Lafayette Sugar Refining Co., Lafayette, La.
Lakeside Sugar Refining Co., Eagle Lake, Tex.
Los Alamitos Sugar Co. (Beet), Los Angeles, Cal.; Factory: Los Alamitos, Cal.
Lyons Beet Sugar Refining Co. (Beet), Lyons, N. Y.
McCahan, W. J. Sugar Refining Co., 101 S Front, Phila., Pa.
Menominee River Sugar Co. (Beet), Menominee, Mich.
Mercedita Sugar Co., 109 Wall, New York.
Michigan Sugar Co. (Beet), Saginaw, Mich.
Miles Planting & Mfg. Co., Burnside, La.
Mollenhauer Sugar Refining Co., Kent av c S 11th, Brooklyn, N. Y.
Mount Clemens Sugar Co. (Beet), Mount Clemens, Mich.
National Sugar Refining Co., 109 Wall, New York, & Yonkers, N. Y.
National Sugar Mfg Co. (Beet), Sugar City, Colo.
Ontario Sugar Co. (Beet), Toronto, Ont.; Factory at Berlin, Ont., Canada
Owosso Sugar Co. (Beet), Bay City, Mich. Factory: Owosso, Mich.
Pope, Chas. (Beet), Riverdale, Chicago, Ill.
Pacific Sugar Corp'n (Beet), Los Angeles, Cal. Factory: Visalia, Cal.
Revere Sugar Refinery, 2 Broad, Boston, Mass.
Rock County Sugar Co. (Beet), Janesville, Wis.
St. Louis Sugar Co. (Beet), St. Louis, Mich.
Segura Sugar Co., Segura, La.
Snake River Valley Sugar Co. (Beet), Blackfoot, Idaho
Spreckels Sugar Co. (Beet), 227 Market, San Francisco, Cal. Factory: Spreckels, Cal.
Tuinucu Sugar Co., 112 Wall, New York.
United States Sugar Co. (Beet Sugar), Madison, Wis
United States Sugar & Land Co. (Beet), Garden City, Kan.
Union Sugar Co. (Beet), 268 Market, San Francisco, Cal. Factory: Betteravia, Cal.
Utah-Idaho Sugar Co. (Beet), Salt Lake City, Utah. Factories at Garland, Lehi, Provo, Spanish Fork & Springville, Utah
Wallaceburg Sugar Co. (Beet), Wallaceburg, Ont., Canada.
Warner Sugar Refining Co., 124 Front, New York
Washington State Sugar Co. (Beet), Spokane, Wash. Factory at Waverly.
Waterhouse Rice & Sugar Co., Glen Flora, Tex.
West Bay City Sugar Co. (Beet), West Bay City, Mich
West Michigan Sugar Co. (Beet), Charlevoix, Mich.
Western Sugar & Land Co. (Beet), Grand Junction, Col.
Western Sugar Refining Co., 58 Clay, San Francisco, Cal.
Wisconsin Sugar Co. (Beet), Menomonee Falls, Wis.

Suit Cases

(See Traveling Bags & Suit Cases)

Sulphate Digester Linings

Reconstructed Granite Co., 14 Dey, New York. Works, Norristown, Pa.

Sulphate of Alumina

Cochran Chemical Co., Boston, Mass.
Harrison Bros. & Co. (Inc.), 38th & Gray's Ferry rd, Phila., Pa.
Merrimac Cehmical Co., Boston, Mass.
Pennsylvania Salt Mfg. Co., Phila., Pa.

Sulphate of Ammonia

American Coal Products Co., 17 Battery pl., New York
Bower, Henry Chemical Mfg. Co., 29th & Gray's Ferry rd, Phila., Pa.
Cochrane, Chemical Co., Boston, Mass.
Ferguson Bros., Phila., Pa.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Listers' Agr'l Chemical Works, ft. W. 39th, New York
New England Gas & Coke Co., 146 Franklin, Boston, Mass.
Taylor, Geo. F. Co., 80 Pine, New York
Tennant, C., Sons & Co. (Importers), 76 William, New York

*Sulphate of Iron

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Sulphate of Lime

DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Gabriel & Schall, 205 Pearl, New York
Higginson Mfg. Co., Newburgh, N. Y.
Scheel, Wm. H., 159 Maiden la, New York
Western Chemical Mfg. Co. (Bi-Sulphate of Lime), Denver, Colo.

Sulphate of Soda

Cochrane Chemical Co., Boston, Mass.
Contact Process Co., Buffalo, N. Y.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Cleveland, O., & 63 Wall, New York
Jarecki Chemical Co., Sandusky, O.
Merrimac Chemical Co., Boston, Mass.
Powers, Weightman & Rosengarten Co., 9th & Parish, Phila., Pa.
St. Louis Chemical Co., St. Louis, Mo.
Scheel, Wm. H. (Refined, etc.), 159 Maiden la, New York
Thomsen Chemical Co., Race & Wilmot, Baltimore, Md.
Western Chemical Mfg. Co., Denver, Colo.

Sulphate of Sodium

Solvay Process Co., Syracuse, N. Y., & Detroit, Mich.

Sulphate of Zinc

Grasselli Chemical Co., The Arcade, Cleveland, O., & 63 Wall, New York
Scheel, Wm. H. (Foreign), 159 Maiden la, New York

Sulphide Soda

Cochrane Chemical Co., Boston, Mass.
Bower, Henry Chemical Mfg. Co. (Of Sodium), 29th & Gray's Ferry rd, Phila., Pa.
Thomsen Chemical Co., Baltimore, Md.

Sulphur & Brimstone

Battelle & Renwick (Flour, Sublimed & Roll), 163 Front, New York
Beggs, E. J. & Co., 92 William, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Cleveland, O.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Hollingsworth & Peterson, Phila., Pa.
Malcomson, Alfred S. (Dealer), 82 Beaver, New York
Mechling Bros. Mfg. Co. (Powdered), Phila., Pa.
Thomsen Chemical Co., Baltimore, Md.
Union Sulphur Co., 82 Beaver, New York
White, T. & S. C. Co. (Flowers of Sulphur; also Flour Sulphur), 28 Burling Slip, New York

Summer Houses or Arbors

Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
CINCINNATI MFG. CO., 1243 W. 6th, Cincinnati, O. (See adv. index, end of book)
Howard & Morse, 45 Fulton, New York
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON CO., 100 Lake, Chicago, Ill. (See adv. index, end of book)
Westervelt, A. B. & W. T., 102 Chambers, New York

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Sun Dials

Gardam, Wm. & Son, 221 Fulton, New York
GORHAM CO. ARCH'L BRONZE (Metal), 5th av. & 36th, New York. Works, Providence, R. I. (See adv. index, end of book)
Janusch Mfg. Co., 496 E. 134th, New York
Jordan, Adolph M., 37 Fountain Sq., Cincinnati, O.
Salo Art Metal Co., 19 Collier, Binghamton, N. Y.

Sun & Heliographic Printing

Keuffel & Esser Co., 127 Fulton, New York
N. Y. Blue Print Co., 60 Reade, New York

SOLTMANN, E. G.
(Also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Superheaters (Steam)

Babcock & Wilcox Co., 85 Liberty, New York
Heine Safety Boiler Co., St. Louis, Mo.
Hussey, McCann & Co., 87 Warren, New York
Mitchell, W. K. & Co. ("Ferguson"), Ellsworth, cor. S. 29th, Phila., Pa.
Mosher Water Tube Boiler Co. ("Mosher"), 30 Church, New York
National Superheater Co. ("Potter"), 556 W. 34th, New York
Parker Boiler Co., Penna. bldg., Phila., Pa.
Potter Separator Co., 39 Cortlandt, New York
Power Specialty Co. ("Foster," Made of Wrought Steel Tube, Covered with Cast Iron Flanges), 111 B'way, New York
Providence Engineering Works ("Schmidt"), Providence, R. I.
Thacher, Geo. H. & Co., Albany, N. Y.
WESTINGHOUSE MACHINE CO., Pittsburg, Pa.

Supporters (Pole)

Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Klein, Mathias & Sons, 87 W Van Buren, Chicago, Ill.
Meckel, Fred. L., 77 E 13th, Chicago, Ill.

Supports (Cross Arm)

Steel Gain Mfg. Co. ("Bull Dog"), 12 South Clinton, Chicago, Ill.

*Surveyors' Field & Office Supplies

SOLTMANN, E. G.
(Also Blue or Black Prints Made from Large Tracings of County & Other Maps), 125 E. 42d, New York. (See adv. index, end of book)

Swage Block Stands

Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Swage Blocks

American Foundry & Mfg. Co., St. Louis, Mo.
Huntsville Foundry & Machine Works, Huntsville, Ala.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett, A. L., Iron Works, Medina, N. Y.
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Swages (Tie Plate)

Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works, Cheswick, Pa.

Swages (Top, Bottom, Etc.)

Beall Bros. (Inc.), Alton, Ill.
Champion Tool Co. ("Champion"), Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Sweepers (Carpet)

Bissell Carpet Sweeping Co. ("Bissell's"), Grand Rapids, Mich.
Goshen Sweeper Co., Grand Rapids, Mich.
National Sweeper Co. ("Monarch," "Martha Washington," "National Queen"), Newark, N. J.
Streator Metal Stamping Co., Streator, Ill.
Vincent, Frank J., Little Falls, N. Y.

Sweepers (Electric Carpet)

Electric Renovator Mfg. Co. ("Invinsible"), Pittsburg, Pa.
Electric Suction Sweeper Co., Canton, O.

Sweepers (Hand)

(See Street Sweepers, Hand)

Sweepers (Street Railway)

(See Street Railway Sweeping Machines)

Swings (Barrel)

Leavitt Machine Co., Orange, Mass.

Swings (Circle)

Boyce, Edward C. (Inc.), 302 B'way, New York
Federal Construction Co., 108 Dearborn, Chicago, Ill.
Traver Circle Swing Co., 66 B'way, New York

Swings (Lawn)

American Machine Co., Wilmington, Del.
American Mfg. & Novelty Co., Erie, Pa.
Anderson Company, St. Paul, Minn.
Aspinwall Mfg. Co., Jackson, Mich.
Babcock Mfg. Co. ("Otsego"), Leonardsville, New York
Barley, Thos. K. ("Bible"), Sedalia, Mo.
Batavia Wind Mill Co. (Steel), Batavia, Ill.
Batcheller, H. F., Rock Falls, Ill.
Bausman, D. H. ("Bausman" Steel), Bausman, Pa.
Biscoe Bending & Chair Mfg. Co., Biscoe, N.C.
Border City Mfg. Co., Border City, N. Y.
Bristol & Gale Mfg. Co., 110 W Wash'n, Chicago, Ill.
Brown Bros. Mfg. Co. ("Queen of the Lawn"), Nappanee, Ind.
Buch's, A., Sons Co. ("Eagle," Steel Reclining & Adjustable Seat, etc.), Elisabethtown, Pa.
Bushnell Tank Works, Bushnell, Ill.
Butler Co., Butler, Ind.
Challenge Co. ("Red Star," "Snow," Galvanized Steel), Batavia, Ill.
Champe, Frank N. ("Peoples Delight"), Cambridge City, Ind.
Covington Mfg. Co., Covington, O.
Dain Mfg. Co. ("Dain's Alaska"), Ottumwa, Iowa
Dowden Mfg. Co., Prairie City, Ia.
Dublin Agricultural Works, Dublin, Ind.
Eagle Mfg. Co., Elizabethtown, Pa.
Earl, F. H. Mfg. Co., Piano, Ill.
Eureka Mower Co. ("Eureka"), Utica, N. Y.
Fairfield Lawn Swing Co. ("Fairfield"), Brunswick, Me.
Fleming & Sons Mfg. Co. ("Fleming"), Huntsville, Ala.
Forbes Mfg. Co. ("Mogul"), Hopkinsville, Ky.
Fry Bros., Richmond, Ind.
Glascock Bros. Mfg. Co., Muncie, Ind.
Goshen Mfg. Co, Goshen, Ind.
Greene Mfg. Co., Springfield, O.
Haggard & Marcusson Co. ("Comfort Swing Chair"), 422 S Canal, Chicago, Ill.
Haish Mfg. Co., De Kalb, Ill.
Hay Tool Mfg. Co. ("Iowa"), Council Bluffs, Iowa
Hayes Pump & Planter Co., Galva, Ill.
Hercules Specialty Co., Erie, Pa.
Horizontal Swing Co. ("Carrollton"), Carrollton, Mo.
Hutchins Roller Swing Co., Alton, Ill.
Iona Wagon Co. ("Bible"), Iona, Mich.
Joes, C. H., Sterling, Ill.
Kalamazoo Sled Co., Kalamazoo, Mich.
Keller Mfg. Co. ("Keller"), Sauk Center, Minn.
Kelly Foundry & Machine Co. ("Baby"), Goshen, Ind.
Kelly, O. S. Mfg. Co., Iowa City, Ia.
Keystone Farm Machine Co. ("Humbertine"), York, Pa.
McCall Mfg. Co., Moberly, Mo.
Myers, F. E. & Bro., Ashland, O.
Miller Bros., Rochester, Mich.
Neff Mfg. Co., Cowan, Ind.
Moulton, C. W. H. & Co. ("New England"), Somerville, Mass.
Ohio Rake Co. ("Artic"), Dayton, O.
Purington Mfg. Co., Des Moines, Ia.
Reed & Rogers Mfg. Co., Vernon, Ind.
Scott, Jno. F., Goshen, Ind.
Sears Mfg. Co., Piano, Ill.
Sechler, D. M. Carriage Co., Moline, Ill.
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Smith Mfg. Co. (Steel), Waynesboro, Pa.
Smith, T. & H. & Co., Pekin, Ill.
Southern Plow Co. ("Perfection Hercules"), Columbus, Ga.
Specialty Mfg. Co. ("Columbia"), Titusville, Pa.
Superior Hay Stacker Mfg. Co (Superior Horizontal), Lineus, Me.
Thornburgh Mfg. Co. (Folding), Bowling Green, O.
Union Mfg. Co., Toledo, O.
Wayne Works ("Richmond Champion"), Richmond, Ind.
Wenona Mfg. Co., Bay City, Mich.
Weston Paper & Mfg. Co. ("Premier" Swing & Hammock Combined), Dayton, O.

*Swings (Porch Seat)

SUN MFG. CO., Columbus, O. (See adv. index, end of book)

*Switch Bars (Hard Fibre)

DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)



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*Switchboard Details

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Switchboards (Light & Power)

Adams, Frank Electric Co. ("F.-A."), St. Louis, Mo.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Automatic Telephone Co., Rochester, N. Y.
American Elec. Construction Co., 138 Washington, Chicago, Ill.
American Electric Switch Co., Springfield, Mass.
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Andrae, Julius & Sons Co., Milwaukee, Wis.
Bernard, E. G. Co., Troy, N. Y.
Bissell, F. Co., Toledo, O.
Blake Electric Co. ("Macfarlane"), Boston.
Burke Electric Co., Erie, Pa. Mass.
Butte Engineering & Elec. Co., San Francisco, Cal.
California Electrical Works (Inc.), San Francisco, Cal.
Cleveland Switchboard Co., Cleveland, O.
Condit Electrical Mfg. Co., Boston, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Crouse-Hinds Co., Syracuse, N. Y.
Cuthbert Electric Mfg. Co., 105 S Clinton, Chicago, Ill.
Dean Electric Co., Elyria, O.
Drendell Electrical & Mfg. Co., San Francisco, Cal.
Electric Fittings Co., Trumansburg, N. Y.
Electrical Mfg. Co., Cleveland, O.
FAIRBANKS, MORSE & CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Fisher Electrical Works, Detroit, Mich.
Flint-Lomax Electric & Mfg. Co., Denver, Colo.
Fort Wayne Electric Works (Inc.), Fort Wayne, Ind.
Garrett, Miller & Co., Wilmington, Del.
Garwood Electric Co., Garwood, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 80 Church, New York. (See adv. index & branch offices, end of book)
General Railway Signal Co., Rochester, N. Y.
Grady, S. S. Co., Boston, Mass.
H. O. S. Engineering Co., Newark, N. J.
Heinemann, Geo. & Co., 500 Girard av, Phila., Pa.
Hewitt & Warden, Newburgh, N. Y.
Holtzer-Cabot Electric Co., Brookline, Mass.
Ideal Elec. & Mfg. Co., Mansfield, O.
Interstate Supply Co., Sioux City, Ia.
Jones & Gross Elec. Co., 62 Vesey, New York
Kinetic Electric Co., 16 S Schell, Phila., Pa.
Krants, H. Mfg. Co. ("Jones"), 160 7th, Brooklyn, N. Y.
Kurz & Root, Appleton, Wis.
Lang, J. Elec. Co., 116 N Lincoln, Chicago, Ill.
Leonard-Bundy Elec. Co., Cleveland, O.
Linton & Southwick (Tablet & Distributing), Worcester, Mass.
Lounsbery, Eaton & Co., 144 Erie, Chicago, Ill.
McCarthy Bros. & Ford, Buffalo, N. Y.
Machen & Mayer Electrical Co., 12th & Buttonwood, Phila., Pa.
Metropolitan Switchboard Co., 532 W 22d, New York
Minnesota Electric Co., Minneapolis, Minn.
Mutual Electric & Machine Co. (A. C. & D. C.), Wheeling, W. Va.
National Switchboard Co., 852 11th av, New York
Newgard & Co., 30 W Monroe, Chicago, Ill.
Newport Electric Mfg. Co., Newport, Ky.
Nyelec Switch Board Co., 39 Cortlandt, New York
Penn. Electrical & Mfg. Co., Irwin, Pa.
Peru Electric Mfg. Co., Peru, Ind.
Phila. Elec. Construction Co., 914 Filbert, Phila., Pa.
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Pierson & Dean Co., New Haven, Conn.
Pittsburg Electrical & Machine Works, Pittsburg, Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Robb & Blackmer, Boston, Mass.
Roller-Smith Co., Bethlehem, Pa.
Royse Electric Co., Indianapolis, Ind.
Sackett, H. I. Elec. Co., Buffalo, N. Y.
Schaefer Bros. Co., 12 Julius, Chicago, Ill.
Stecker Electric & Machine Co., Detroit, Mich.
Steel, W. M. Switchboard Co., Worcester, Mass.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.
Tibbals, E. C. & Co., 1291 Atlantic av, Brooklyn, N. Y.
Tower-Binford Electric & Mfg. Co., Richmond, Va.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Wagner Electric Mfg. Co. (Also for Street R'ys & Isolated Plants), St. Louis, Mo.
Walker Electric Co. (Slate & Marble), 2338 Noble, Phila., Pa.
Walls, Owen & Stambach Co. (Soapstone), 11th & Ridge av, Phila., Pa.
Wesco Supply Co. ("Davis"), St. Louis, Mo.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Insulation Co., 170 W Adams, Chicago, Ill.
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
White, H. P. Co., Wayne Junction, Gtn., Phila., Pa.
Worcester Electric Mfg. Co., Worcester, Mass.
Wurdack, Wm. Electric Mfg. Co., St. Louis, Mo.

*Switchboards (Telegraph)

BUNNELL, J. H. & CO., Park pl. & Church, New York. (See adv. index, end of book)

Switchboards (Telephone)

(See also Telephones & Apparatus)

Acme Telephone & Mfg. Co., Albia, Iowa
American Automatic Telephone Co., Urbana, O. Ohio
American Electric Telephone Co. ("American," "1900," "Express"), 64th & State, Chicago, Ill.
American Machine Telephone Co., Piqua, O.
Andrae, Julius & Sons Co., Milwaukee, Wis.
Automatic Electric Co., Morgan & Van Buren, Chicago, Ill.
B. R. Electric & Telephone Mfg. Co., Kansas City, Mo.
Central Telephone & Electric Co. ("Primo"), St. Louis, Mo.
Century Telephone Const. Co., Buffalo, N. Y.
Chicago Telephone Supply Co., Elkhart, Ind.
Clark Automatic Telephone Switchboard Co., Providence, R. I.
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Couch, S. H. Co., Boston, Mass.
Couch & Seeley Co., Boston, Mass.
Dean Electric Co., Elyria, O.
De Vean Telephone Mfg. Co., 474 18th Brooklyn, N. Y.
Eastern Telephone Mfg. Co., West Chester, Pa.
Electrical Engineering Co., Minneapolis, Minn.
Electric Goods Mfg. Co. ("Rotokoll," "Annunciphone"), Boston, Mass.
Ericsson, L. M. Telephone Mfg. Co., Buffalo, N. Y.
Farr Telephone & Const. Supply Co., 118 W Jackson boul, Chicago, Ill.
Garl Electric Co., Akron, O.
Hipwell Mfg. Co., 831 North av, Allegheny, Pa.
Holtzer-Cabot Electric Co., Brookline, Mass.
International Telephone Mfg. Co., Harrison & Clinton, Chicago, Ill.
Kellogg Switchboard & Supply Co. ("Express"), Congress & Green, Chicago, Ill.
Keystone Electric Telephone Co., 822 Fifth av, Pittsburg, Pa.
Kokomo Telephone & Electric Mfg. Co., Kokomo, Ind.
Kusel Telephone & Elec. Mfg. Co., St. Louis, Mo.
Loeffler, Louis J., 20 Fulton, New York
Long Distance Telephone Mfg. Co., South Bend, Ind.
Menominee Elec. Mfg. Co., Menominee, Mich.
Minnesota Electric Co., Minneapolis, Minn.
Monarch Telephone Mfg. Co., Chicago, Ill.
North Electric Co., Cleveland, O.
Pierce Specialty Co., Elkhart, Ind.
Russell Elec. Co., Danbury, Conn.
Schmidt-Wilckes Elec. Co., 135 William, New York
Sioux City Brass Works, Sioux City, Iowa.
Standard Telephone & Mfg. Co., Portsmouth, Ohio
Sterling Elec. Co., Lafayette, Ind.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Sumter Telephone Mfg. Co., Sumter, S. C.
Utica Fire-Alarm Telegraph Co., Utica, N. Y.
Viaduct Co., Relay, Md.
Vote-Berger Co., La Crosse, Wis.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Telephone Mfg. Co., 42 W Jackson boul, Chicago, Ill.
Wilhelm Telephone Mfg. Co., 45 N Division, Buffalo, N. Y.

Switchboards (Theatre)

Globe Electric Co., 419 W 42d, New York
Menchen, Jos. Electrical Co., 360 W 50th, New York
Pennefather, J. S., 105 W 30th, New York
Universal Elec. Stage Lighting Co. ("Kiegel"), 1393 B'way, New York

Switch Cases, Caps & Bases

Scranton Button Co. (Electroid Confined Type for Switches), Scranton, Pa.

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Switch Handles (Wood)

(See also Handles, Various Kinds)

Narragansett Machine Co., Providence, R. I.
Novelty Turning Co. (For Electrical Switches), Norway, Me.

Switch Locks (Railway)

Blanchard Railway Switch Lock Co., 141 Milk, Boston, Mass.

Switch Stands

(See Switches, Switch Stands & Fixtures)

Switches (Automatic)

Automatic Switch Co. ("Whittingham" Quick Break Tank Switch, etc.), 131 Liberty, New York
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
Sechrist, Albert Mfg. Co. ("The Sechrist"), 1033 16th, Denver, Colo.

*Switches (Automatic Door)

HART MFG. CO. ("Diamond H"), 103 Allyn, Hartford, Conn. (See adv. index & branch offices, end of book)

Switches (Automatic Railroad)

Buda Foundry & Mfg. Co., R'y Exch bldg, Chicago, Ill.
Jenny Safety Switch Co. ("Jenny," Automatic Safety Switch), Westfield, Mass.
N. Y. Switch & Crossing Co., Hoboken, N. J.
Penna. Steel Co., Girard bldg, Phila., Pa.
Ramapo Iron Works, Hilburn, N. Y.
Sheffield Car Co., Three Rivers, Mich.
Wharton, Wm., Jr., & Co., 25th & Washington av, Phila., Pa.

Switches (Automobile)

Acorn Brass Mfg. Co. (Lock), 51 N Peoria, Chicago, Ill.
American Coil Co. (Electric), West Somerville, Mass.
Atwater-Kent Mfg. Works ("Keyless," Lock), 112 N 6th, Phila., Pa.
Auto Lock Co. (Lock), 6549 Minerva av, Chicago, Ill.
Auto Lock Plug Co. (Lock), 31 Nassau, New York
B. & J. Mfg. Co. (Lock), 86 E 34th, Chicago, Ill.
Connecticut Telephone & Electric Co. (Inc.) (Electric), Meriden, Conn.
EDWARDS & CO. (Electric), Park av & 144th, New York. (See adv. index, end of book)
Eldridge Electric Mfg. Co. (Electric), 227 Main, Springfield, Mass.
Hart & Hegeman Mfg. Co. (Electric), Hartford, Conn.
Jacobson-Brandow Co., Pittsfield, Mass.
Lock-Switch Mfg. Co. (Lock), 20 Broad, New York
McKibben, G. N. Mfg. Co. (Electric), South Norwalk, Conn.
Parker, Henry F. (Lock), Newburgh, N. Y.
Peerless Switch Co. (Electric), 190 Randolph, Detroit, Mich.
Perfection Supply Co. (Electric), 621 B'way, New York
Pittsfield Spark Coil Co. (Electric & Lock), Pittsfield, Mass.
Seidler-Miner Electric Co. (Electric), 207 Jefferson av, Detroit, Mich.
Specialty Mfg. Co. ("Thompson," Electric), S. Norwalk, Conn.
Splitdorf, C. F. (Electric), 17 Vandewater, New York
Trumbull Electric Mfg. Co. (Electric), Plainville, Conn.
Utility Co. (Electric), 235 Greenwich, New York
Weber, C. F. Mfg. Works (Electric), Albany, N. Y.

Switches (Battery)

Knoblock, Heideman Mfg. Co., South Bend, Ind.

Switches (Canopy)

Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Switches (Coil)

Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Pittsfield Spark Coil Co., Dalton, Mass.

Switches (Derailing)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Cleveland Car Co. ("Porter's"), West Park, O.
Cleveland Frog & Crossing Co. ("Porter"), Cleveland, O.
Hayes Track Appliance Co. (For Steam or Street Railways), Geneva, N. Y.
Johnston, R. R. Frog & Switch Co., Chester, Pa.
Locomotive Appliance Co. ("Smyth" & "Freland"), Old Colony Bldg., Chicago, Ill.
New York Switch & Crossing Co., Hoboken, N. J.
Wilson Railway Gate Co., Birmingham, Mich.

*Switches (Float, Electric)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)

*Switches (Fused Service)

D & W FUSE CO., Providence, R. I. (See adv. index, end of book)

Switches (High Voltage)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Eureka Tempered Copper Works, North East, Pa.
Fort Wayne Electric Works (Inc.), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
High Tension Electrical Specialty Co., Revere, Mass.
Walker Electric Co., 2338 Noble, Phila., Pa.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Switches (Industrial Railway)

(See Railways, Industrial & Portable)

Switches (Interlocking)

Robinson-Tilton Machinery Co. ("Fuse"), Columbus, O.
UNION SWITCH & SIGNAL CO., The Swissdale, Pa., 143 Liberty, New York & Monadnock Blk., Chicago, Ill.

Switches (Knife)

Adam, Frank Electric Co. ("Standard"), E. Pine, St. Louis, Mo.
American Electric Switch Co., Springfield, Mass.
Anderson, Albert & J. M. Mfg. Co., 230 A South Boston, Boston, Mass.
Banner Electric Co., Youngstown, O.
Barkelew Elec. Mfg. Co. ("Premo," 25 to 2,000 Amperes," "Star," 3 to 600 Amperes"), Middletown, O.
Bossert Electric Construction Co., Utica, N. Y.
& 26 Cortlandt, New York
Boston Electric Co., 29 Harrison av, Boston.
Brady, T. H., New Britain, Conn. Mass.
Bryant Electric Co., Bridgeport, Conn.
Clark-Burris Mfg. Co., 65 S Canal, Chicago, Ill.
Cleveland Switchboard & Elec. Mfg. Co., 3 Michigan, Cleveland, O.
Consolidated Car Heating Co. (For Car Box Light, "Quick Brake"), 42 Broadway, New York, & Albany, N. Y.
Crescent Electric & Mfg. Co., 24th & Liberty av, Pittsburg, Pa.
Crescent Electrical Mfg. Co., Rochester, N. Y.
Crouse-Hinds Electric Co., Syracuse, N. Y.
Cutter Electrical & Mfg. Co., 19th & Hamilton
Davis M. & Son, Salem, O. Philadelphia, Pa.
Electric Construction Co. of Va., Richmond, Va.
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
Electric Mfg. & Equipment Co., Atlanta, Ga.
Electro Dynamic Co., 5 Nassau, New York
Erner Electric Co., 62 Public sq, Cleveland, O.
Eureka Tempered Copper Works ("Eclipse," "Favorite," "Economic," "Eureka"), Northeast, Pa.
Evanson, Geo. T. Co., 7th & Commerce, Philadelphia, Pa.
Fullman Co., 3301 Penna av, Pittsburg, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Heinemann, Geo. M. & Co., 737 Girard av, Phila., Pa.
Helios Mfg. Co., Bridesburg, Phila., Pa.
Hyer-Sheehan Elec. Motor Co., Newburgh, N. Y.
Ideal Elec. & Mfg. Co. ("Star"), Mansfield, O.
Krants, H. Mfg. Co., 160 7th, Brooklyn, N. Y.
Lang, J. Elec. Co., 176 E Indiana, Chicago, Ill.
Leonard-Bundy Electric Co., 156 Champlain, Cleveland, O.

"DIAMOND H" SWITCHES



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HART MFG. CO., HARTFORD, CONN.



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Linton & Southwick, Worcester, Mass.
Lundin Electric & Machine Co., 176 Federal, Boston, Mass.
McCarthy Bros. & Ford, 41 Eagle, Buffalo, N. Y.
Manhattan Electrical Supply Co., 32 Cortlandt, New York
Marshall Electric Mfg. Co., 301 Congress, Boston, Mass.
Mutual Electric & Machine Co. (All Copper), Wheeling, W. Va.
New York Switchboard & Mfg. Co., 516 W 36th, New York
Novelty Electric Co., 54 N 4th, Phila., Pa.
Paiste, H. T. Co., 3101 Ludlow, Phila., Pa.
Parke, Jno. Y. & Co., 728 Cherry, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Mfg. Co., Peru, Ind.
Phoenix Electric Co., Mansfield, O.
Pringle Electric Mfg. Co., 1900 N 6th, Phila., Pa.
Proctor-Raymond Mfg. Co., Detroit, Mich.
Rohn, Geo. F., Milwaukee, Wis.
Schoenman Electric Mfg. Co., Berlin & P R R Belt, Pittsburg, Pa.
Springfield Electrical Mfg. Co., Springfield, Mass.
Taunton-New Bedford Copper Co., Taunton, Mass.
Tower-Binford Electric & Mfg. Co., Richmond, Va.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co. (Also Baby Knife), Plainville, Conn.
Wagner Electric Mfg. Co., St. Louis, Mo.
Walker Electric Co., 2338 Noble, Phila., Pa.
Wesco Supply Co. ("Davis"), St. Louis, Mo.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Electric Co. ("Hill"), 11th & York, Phila., Pa.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Weston, W. H. & Co., 1303 Buttonwood, Philadelphia, Pa.
White, H. P. Co., Wayne & Berkley, Gtn. Phila., Pa.
White, J. H. Mfg. Co., 127 N 10th, Brooklyn, N. Y.
Worcester Electric Mfg. Co., Worcester, Mass.
Wurdack, Wm., 19 S 11th, St. Louis, Mo.
York Electric & Machine Co., York, Pa.

Switches (Limit)

CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Schureman, J. L. Co., 70 W Jackson boul, Chicago, Ill.

Switches (Magnetic)

Automatic Switch Co., 131 Liberty, New York
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
Schureman, J. L. Co., 70 W Jackson boul, Chicago, Ill.

*Switches (Mine)

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Switches (Oil Break)

Condit, S. B., Jr., & Co. ("The Elden," Pneumatic), 63 Oliver, Boston, Mass.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Hartman Circuit Breaker Co. (For High Tension Service), Mansfield, O.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. See adv. index & branch offices, end of book)
Mutual Electric & Machine Co., Wheeling, W. Va.
PHOENIX ELECTRIC CO., Mansfield, Ohio. (See adv. index, end of book)
Schureman, J. L. Co., 70 W. Jackson boul., Chicago, Ill.
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Worcester Electric Mfg. Co., Worcester, Mass.

*Switches (Overhead)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Switches (Push Button)

(See Switches, Snap & Push)

Switches (Reversing Motor)

Automatic Switch Co. ("Whittingham," for Elevators, etc.), 131 Liberty, New York
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
ELECTRIC CONTROLLER & MFG. Co., Cleveland, O. (See adv. index & branch offices, end of book)
HART MFG. CO. ("Diamond H"), 103 Allyn, Hartford, Conn. (See adv. index & branch offices, end of book)
Ideal Electric & Mfg. Co., Mansfield, O.
PHOENIX ELECTRIC CO., Mansfield, O. (See adv. index, end of book)
Schureman, J. L. Co., 70 W Jackson boul, Chicago, Ill.

*Switches (Rotary Flush and Push Button)

HART MFG. CO. ("Diamond H"), 103 Allyn, Hartford, Conn. (See adv. index & branch offices, end of book)

Switches (Snap, Ordinary)

Akron Electric Mfg. Co., Akron, O.
Bryant Electric Co., Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
HART MFG. CO. ("Diamond H"), 103 Allyn, Hartford, Conn. (See adv. index & branch offices, end of book)
Marshall Electric Mfg. Co., 301 Congress, Boston, Mass.
Paiste, H. T. Co., 3101 Ludlow, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.

Switches (Snap & Push)

Austin, M. B. & Co. (Push), 137 W. Jackson Boul, Chicago, Ill.
Bryant Electric Co. (Snap), Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Cutter Co. ("C. S."), 19th & Hamilton, Phila., Pa.
Flint-Lomax Electric Mfg. Co. (Snap & Push), 1400 Delgany, Denver, Colo., & 44 Broad, New York
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hart & Hegeman Mfg. Co. (Push & Snap), Hartford, Conn
Machen & Mayer, Electrical Mfg. Co. ("M. & M."), 12th and Buttonwood, Phila., Pa.
Marshall Electric Mfg. Co. (Snap & Push), 301 Congress, Boston, Mass.
Paiste, H. T. Co. (Snap), 3101 Ludlow, Phila., Pa.
Perkins Elec. Switch Mfg. Co. (Snap), Bridgeport, Conn.

Switches (Solenoid)

Automatic Switch Co., 131 Liberty, New York
CUTLER-HAMMER MFG. CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Ideal Electric Mfg. Co., Mansfield, Ohio.
Schureman, J. L. Co., 70 W Jackson boul, Chicago, Ill.

Switches (Split)

Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill.
Cleveland Frog & Crossing Co. ("The Lucas"), Cleveland, O.
Elliott Frog & Switch Co., East St. Louis, Ill.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Pettibone, Mulliken & Co. ("Transit," "Gauge" & "Channel"), 204 Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.

Switches, Switch Stands & Fixtures

(See also Frogs, Switches & Crossings; also Crossings; also Signals)

American Frog & Switch Co., Hamilton, O.
American Railway Signal Co., Cleveland, O.
American Valve & Meter Co. ("Little Giant" Switch Stands), Cincinnati, O.
Buda Foundry & Mfg. Co. ("Ramsey" Automatic, etc.), Railway Exchange bldg, Chicago, Ill.
Chicago Crossing Co., Monadnock bldg, Chicago, Ill.
Cincinnati Frog & Switch Co. (For Standard & Narrow Gauge Tracks), Cincinnati, O.
Cleveland Frog & Crossing Co. ("The Lucas"), Cleveland, O.
Conley Frog & Switch Co., Memphis, Tenn.
Elliott Frog & Switch Co., East St. Louis, Ill.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Gregg Company (Ltd.), (For Industrial Railways), Newburgh, N. Y.
Gneber Engineering Co., Bethlehem, Pa.
INDIANAPOLIS SWITCH & FROG Co., Springfield, O.
International Railway Supply Co. (Automatic Safety Lock), Monadnock blk, Chicago, Ill.
Johnston, R. R. Frog & Switch Co., Chester, Pa.
Kilby Frog & Switch Co., Birmingham, Ala.
KOPPEL, ARTHUR CO., Machesney Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lorain Steel Co., Johnstown, Pa.
McMyler Mfg. Co., Cleveland, O.
Morden Frog & Crossing Works ("Union"), Commercial Nat. Bank bldg, Chicago, Ill.
New Lork Switch & Crossing Co., Hoboken, N. J.
Ohio Brass Co., Mansfield, O.
Penna. Steel Co., Girard bldg., Phila., Pa.
Pettibone, Mulliken & Co. ("Banner," "Star," "Globe," "Crown" & "Axel" Switch Stands), 204 Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.; Niagara Falls, N. Y., & 30 Church, New York
Weir Frog Co., Beach & Highland av, Cincinnati, O.
Wharton, Wm., Jr., & Co. (Inc.), 25th & Washington av, Phila., Pa.

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Switches (Time, Automatic)

A. & W. Elec. Signal Co., Cleveland, O.
American Electric Sign Co., Boston, Mass.
Anderson, A. & J. M. Mfg. Co. ("Anderson"), Boston, Mass.
Baird Mfg. Co., 1592 N Halsted, Chicago, Ill.
Ballou & Hutchins Electric Co. (For Gas & Electricity), Providence, R. I.
Bissell, F. Co. ("Security"), Toledo, O.
Campbell Electric Co. ("Campbell"), Lynn, Mass.
Cleveland Dental Mfg. Co. ("Chappel"), Cleveland, O.
Crescent Co. ("Crescent"), Valparaiso, Ind.
Electric Motor & Equipment Co., Newark, N.J.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Jarvis Engine & Machine Works, Lansing, Mich.
Jones & Gross Elec. Co., 62 Vesey, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Peerless Time Switch Co., Elkhart, Ind.
Redding, Jerome & Co., Boston, Mass.

Switches (Trolley)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Obenberger, Jno. Co. (For Overhead Trolleys), Milwaukee, Wis.
Yale & Towne Mfg. Co., 9 Murray, New York

Switches & Turn Tables (Mine)

(See Railways, Industrial & Portable)

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Swivels

American Iron & Steel Mfg. Co. (Pipe), Lebanon, Pa.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Brooks, M. S. & Sons (Solid Flat, Nickle or Brass or Steel, etc.), Chester, Conn.
Dayton Malleable Iron Co., Dayton, O.
DOBBIE FOUNDRY & MACHINE CO. (Ball Bearing, etc.), Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Hoopes & Townsend Co. (Closed or Pipe, Open or Arm, etc.), 1330 Buttonwood, Phila., Pa.
Keystone Drop Forge Works (Or Rope Sockets. Open Arm), Chester, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)
Rhode Island Tool Co., Providence, R. I.
Wilcox, Crittenden & Co. (Wrought Brass & Malleable), Middletown, Conn.
Wire Woods Co. (Steel Wire), Worcester, Mass.

Swivels (Punching Bag)

Cassady-Fairbank Mfg. Co., 6106 LaSalle, Chicago, Ill.

Swivels (Snap)

Wilcox, Crittenden & Co. (Wrought, Brass & Malleable), Middletown, Conn.
Wire Goods Co. (Steel Wire), Worcester, Mass.

*Synchroscopes

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Syphons (Acid)

Eynon-Evans Mfg. Co. (Lead Lined), 1519 Clearfield, Phila., Pa.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

*Syphons ("Aerlock," Automatic Flushing)

MERRITT & CO. (For Control of Sewage & Other Liquors), 94 Arch, Camden, N. J. (See adv. index, end of book)

*Syphons (Oil)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Syphons (Steam Gauge)

INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO., General Office & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
National Tube Co., Pittsburg, Pa.
Schaeffer & Budenberg Mfg. Co. (Pressure), 963 Kent av, Brooklyn, N. Y.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

Syrens (Steam)

(See Sirens, Steam)

Syringes (Hypodermic)

Higgins Dental Mfg. Co. (Obtunding), Belleville, O.

Syringes (Oil)

(See Oil Guns & Syringes)

Syringes & Atomizers (Rubber)

Goodrich, B. F. Co., Akron, O.

*Table Tops (Opal Glass)

MARIETTA GLASS MFG. CO., Indianapolis, Ind. (See adv. index, end of book)

Tables (Adjustable, Reading)

Baker, J. B. & Sons Co., Kendallville, Ind.

Tables (Card & Folding)

BURROWES, E. T. CO., THE, 70 Free, Portland, Me. (See adv. index & branch offices, end of book)
Curtis Cabinet Co., Jamestown, N. Y.

Tables (Concentrating)

(See also Concentrators, Ore)

ALLIS-CHALMERS CO., Home Ins. bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American Concentrator Co. ("New Century"), Joplin, Mo.
Colorado Iron Works Co. ("Bartlett"), 721 17th, Denver, Col.
Mine & Smelter Supply Co. ("Willfley"), Denver, Col.

Tables (Hide Stretching)

Seymour & Whitlock ("Full Stretch"), Newark, N. J.

Tables (Paper Hangers')

Webster & Perks Tool Co. (Folding, "Simplex"), Springfield, O.

Tables (Picking)

Howe Scale Co. of Illinois, 1315 Wabash av, Chicago, Ill.
Link Belt Co., W 39th & Stewart av, Chicago, Ill.
McLanahan-Stone Machine Co., Hollidaysburg, Pa.

Tables (Plate Glass Rolling)

Hooven, Owens, Rentschler Co., Hamilton, O.

Tables (Rolling Mill Feed)

Aetna Foundry & Machine Co., Warren, O.
American Roll & Foundry Co., Canton, O.
Lewis Foundry & Machine Co., Corsopolis, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO. (Electric), Alliance, O. (See adv. index, end of book)
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Tables (Saw Brazing)

COVEL MFG. CO., Benton Harbor, Mich. (See adv. index, end of book)
Hanchett Sewage Works, Big Rapids, Mich.

Tables (Soap Cutting)

(See also Soap Makers' Machinery)

Dopp, W. H. Co. ("Dopp"), Buffalo, N. Y.
Houchin, Aiken Co., 37 53rd, Brooklyn, N. Y.

Tables (Slime)

(See also Mining Machinery)

Deister Concentrator Co. ("Deister"), Fort Wayne, Ind.
Chalmers & Williams (Revolving), Commercial Nat'l Bank bldg, Chicago, Ill.

Tables (Steel)

Lyon Metallic Mfg. Co. (For All Purposes), Aurora, Ill.

Tables (Transfer)

Barbour-Stockwell Co., Cambridge, Mass.
Bonnot Co., Canton, O.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
CAREY, GEO. H., B'way, New York. (See adv. index, end of book)
Cleveland Car Co., West Park, O.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

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Wharton, Wm., Jr., & Co., 25th & Washington av, Phila., Pa.

*Tables (Transfer, Electric)

CLEVELAND CRANE & ENGINEERING Co., Cleveland, O. (See adv. index, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Tables (Typewriter)

Hetterschied Mfg. Co. ("20th Century Adjustable), Grand Rapids, Mich.

Tablets (Bronze, Etc.)

(See Bronze Tablets, etc.)

*Tablets (Cast Brass, Bronze or Iron)

STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Tachometers

Du Vivier, Ernest H., 30 Church, New York.
Empire Machine Works ("Empire"), 210 1st, Pittsburg, Pa.
Gurley, W. & L. E., Troy, N. Y.
INDUSTRIAL INSTRUMENT CO. ("Dr. Horn" Portable & Stationary), Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
QUEEN & CO., N. W. c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co. (Portable, Stationary, Indicating & Recording), 963 Kent av, Brooklyn, N. Y.
Uehling Instrument Co., Passaic, N. J.
Veeder Mfg. Co. ("Veeder"), Hartford, Conn.

Tackoscopes

Schaeffer & Budenberg Mfg. Co. (Non-Magnetic), 963 Kent av, Brooklyn, N. Y.

Tack Claws

Browne, W. G. Mfg. Co. ("Star Combination," "Sterling Neverbreak," etc.), Kingston, N. H.
Browne & Dowd Mfg. Co. ("Standard Giant"), Meriden, Conn.
Johnson, Wm. (Hedenberg Works), Newark.
Kraeuter & Co., Newark, N. J.
Landers, Frary & Clark (Cast Steel & Malleable Iron), New Britain, Conn.
Mayhew, H. H. Co., Shelburne Falls, Mass.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Tack Mfrs.

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago. (See adv. index & branch offices, end of book)
Anderson Tack Co., Rockland, Mass.
Atlas Tack Co. (Cut & Wire), Fairhaven, Mass.
Binghamton Tack Co. (Carpet, Shoe, Upholsterers, Trimmers, etc.), Binghamton, N. Y.
Carter, Geo. A. (Shoe), Brockton, Mass.
Churchill & Allen (Shoe), Lynn, Mass.
Cleveland Tack Works (Shoe, Upholsterers & Carpet), Hamilton av & E 49th, Cleveland, O.
Cobb & Drew, Plymouth, Mass., & 32 Bank, Phila., Pa.
Cole, H. C. & W. S., Kingston, Mass.
Cross, W. W. & Co. (Inc.), (Tacks & Shoe Nails), Brockton, Mass.
Dunham, Geo. B., Brockton, Mass.

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Ford, L. E. Co., Kingston, Mass.
Fuller, G. E. & A. I., Keene, N. H.
Grand Crossing Tack Co. (Carpet, etc.), S Chicago av & 79th, Chicago, Ill.
Gurney, D. B., Whitman, Mass.
Haverhill Tack Co., Haverhill, Mass.
H. C. Tack Co., Cleveland, O.
Hobart, Benj. Co., Whitman, Mass.
Holland Mfg. Co., Baltimore, Md.
Hussey, C. G. & Co. (Copper), Pittsburg, Pa.
Judson Mfg. Co., San Francisco, Cal.
Keystone Nail Co., 1018 Wash'n, av, Phila., Pa.
Kimball Bros. & Sprague, Brockton, Mass.
Kirk-Latty Mfg. Co. (Cut), Cleveland, O.
Maglathlin, F. W. & Co., Kingston, Mass.
Maglathlin, H. B., Silver Lake, Mass.
MERCHANT & EVANS CO. (Inc.) (Copper), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Miller's, H. J. Sons (Shank & Machine Shoe), Bridgewater, Mass.
Milwaukee Tack Co., Milwaukee, Wis.
Morgan Spring Co., Worcester, Mass.
National Screw & Tack Co., Cleveland, O.
Osborne, W. & Co., Lakeville, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Phillips, Ezra & Sons, South Hanover, Mass.
Plymouth Mills, Plymouth, Mass.
Reading Screw Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
Salmon, Sam'l & Son, Hanover, Mass.
Shelton Co. (Cut), Shelton, Conn.
Stanley, Geo. W. Co., Belleville, Ill.
Stevens & Willis Co., South Braintree, Mass.
Superior Tack & Nail Co., Pen Yan, N. Y.
Tatum, Sam. C. C. (Thumb), Cincinnati, O.
Taunton Wire Nail Co. (Wire, Carpet, Bill Poster, etc.), Taunton, Mass.
Tower Mfg. Co. (Steel, Iron, Copper, etc.), Cincinnati, O. & Madison, Ind.
TURNER & SEYMOUR MFG. CO. (Thumb, Upholsterers, etc.), Torrington, Conn. (See adv. index, end of book)
Waterman, R. C. (Carpet & Upholstering, etc.), Hanover, Mass.
Wire Goods Co., Worcester, Mass.
York Tack & Nail Wks. (Also Nails), York, Pa.

Tack Mfrs. (Double Pointed)

Atlas Tack Co., Fairhaven, Mass.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Judd, H. L. & Co., 87 Chambers, New York
Milwaukee Tack Co., Milwaukee, Wis.
Morgan Spring Co., Worcester, Mass.
Phillips, E. Sons, South Hanover, Mass.
Pickering, R. S., Sharon Hill, Pa.
Plymouth Mills, Plymouth, Mass.
Reading Screw Co., Norristown, Pa.
Stanley, Geo. W. Co., Belleville, Ill.
Superior Tack & Nail Co., Pen Yan, N. Y.
Taunton Wire Nail Co., Taunton, Mass.
Titchener, E. H. & Co., Binghamton, N. Y.
Tower Mfg. Co., Cincinnati, O., & Madison, Ind
Wire Goods Co., Worcester, Mass.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Tack Mfrs. (Lead)

Chadwick-Boston Lead Co., Boston, Mass.

*Tack Mfrs. (Insulated Wiring)

WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

Tack Mfrs. (Upholsterers')

Berbecker & Rowland Mfg. Co. (Brass Furniture Nails), Waterville, Conn.
Cleveland Tack Wks., Hamilton av & E 49th
Cobb & Drew, Plymouth, Mass.
Equipoise Rivet Co., Waterbury, Conn.
Genesee Tack Co., Rochester, N. Y.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Hungerford, U. T., Brass & Copper Co. (Brass) 497 Pearl, New York
Mattatuck Mfg. Co. (Brass), Waterbury, Conn.
Milwaukee Tack Co., Milwaukee, Wis.
Plymouth Mills, Plymouth, Mass.
Ripley & Bartlett, Plymouth, Mass.
Salmond, Sam & Son, Hanover, Mass.
Shelton Co., Shelton, Conn.
Tockwotten Co., Providence, R. I.
Tower Mfg. Co., Cincinnati, O.
Trant & Hine Mfg. Co., New Britain, Conn.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Waterman, R. C., Hanover, Mass. of book)

Tack Molds (Plumbers')

Johnson, Wm. (Hedenberg W'ks), Newark, N. J.

*Tacks (Rubber-Headed)

PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Tacks (Thumb)

Albrecht, Chas. R., 62 Fulton, New York
Hawkes-Jackson Co. ("Solidhed"), 82 Duane, New York
Tatum, Samuel C. Co., Cincinnati, O.
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

*Tags (Bicycle)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Tags (Cable)

Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Ridlon, Frank Co., Boston, Mass.

*Tags (Dog)

NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

*Tags (Hard Fibre)

AMERICAN VULCANIZED FIBRE Co. (Vulcanized), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

*Tags (Hotel Key, Etc.)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPing Works, Niagara Falls, N. Y. (See adv. index, end of book)

Tags (Shipping)

(See also Tags, Tin; also Tags, Zinc)

Adjustable Clip & Tag Mfg. Co. ("Bull Dog"), 465 Atlantic av, Boston, Mass.
Allen, Robert T., Jackson, Mich.
American Mfg. Co., Battle Creek, Mich.
American Tag Co., State & 61st, Chicago, Ill.
Dennison Mfg. Co., 15 John, New York
Denny Tag Co., West Chester, Pa.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Folding Paper Box Co., South Bend, Ind.
Gair, Robert Co., Wash'n & Plymouth, Brooklyn, N. Y.
Keystone Tag Co., West Chester, Pa.
Murray Mfg. Co., Newman, Ga.
National Tag Co., Dayton, O.
Reyburn Mfg. Co., 22nd & Allegheny av, Phila., Pa.
Thomas Stationery Mfg. Co., Springfield, O.

Tags (Tin)

Ammidon & Co., Baltimore, Md.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Federal Mfg. Co., Baltimore, Md.
Murdock, Jas., Jr., Cincinnati, O.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tags (Zinc)

Hill, Jas. H. & Sons, Coventry, R. I.

Tailors' (Irons)

(See Sad Irons)

Take-Ups

Dodge Mfg. Co., Mishawaka, Ind.
Link Belt Co., W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Nordyke & Marmon Co. (Rope), Indianapolis, Ind.

Talc Blanks (Insulator & Gas Burner)

North Carolina Talc & Mining Co., Hewitts, N. C.

Talc Mfrs. & Miners

Atlas, M. & M. Co., Lincoln, N. J.
Chemical Mfg. Co., Covington, Ky.
Cohutta Talc Co., Dalton, Ga.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
LEAVITT, C. W. & CO. (Mfrs.' Agts.) 80 Church, New York. (See adv. index, end of book)
North Carolina Talc & Mining Co., Hewitts, N. C.
Smith, J. Lee & Co. (Importers), 59 Frankfort, New York
Novelty Burner Co. (Flour & Scrap), Chattanooga, Tenn.
Southern Talc Co., Beta, N. C.
Union Talc Co., 132 Nassau, New York.

Talc (Powdered)

Binney & Smith Co., 81 Fulton, New York
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Hoffman, F. G., Beta, N. C.
Nevins, Sam'l Co. (French & American), 109 S 2d, Phila., Pa.
North Carolina Talc & Mining Co., Hewitts, N. C.
Salomon, L. A. & Bro. (French), 216 Pearl, New York
Steward, D. M. Mfg. Co., Chattanooga, Tenn.
Waever & Lea Co., 118 Hudson, New York
Whittaker, W. H., 245 Front, New York
Williams, C. K. & Co., Easton, Pa.

Talking Machine Needles

Hawthorne & Sheble Mfg. Co., Howard & Jefferson, Phila., Pa.
Petmecky Talking Machine Co., New York Life bldg, New York
Symphonic Phone-Needle Co., 1907 Park av, New York

Tallow

Armour & Co., Chicago, Ill.
Biggs & Koch, Kansas City, Mo.
Birmingham Hide & Tallow Co., Birmingham, Ala.
California Tallow Works, San Francisco, Cal.
Consolidated Rendering Co., 44 N Market, Boston, Mass.
Cudahy Packing Co., Omaha, Neb.
Darling & Co., Chicago, Ill.
Davis Oil Co., Brooklyn, N. Y.
East River Melting Co., 769 1st av, New York
Elkin, H. & Co., 201 Michigan, Chicago, Ill.
Flavel Co., Asbury Park, N. J.
Marshall, Jacob & Son, Syracuse, N. Y.
Marx Hide & Tallow Co., 147 4th, Louisville, Ky.
Morris & Co., The Rookery, Chicago, Ill.
New Orleans Butchers' Hide & Tallow Co. (Ltd.), New Orleans, La.
New York Butchers' Fat Melting Co., ft W 39th, New York
Rochester Tallow Co., Rochester, N. Y.
Rosenberg, Jos., Meeker av ur Newtown creek, Brooklyn, N. Y.
St. Louis Hide & Tallow Co., 5125 N 2d, St. Louis, Mo.
Schwartzchilds & Sulzberger Co., 46th & E. R., New York
Stern, Jos. & Sons, 614 W 40th, New York
Swift & Co., Chicago, Ill., & Jersey City, N. J.
United Dressed Beef Co., New York
Van Iderstine, F. A. & Son, 272 Hudson av, New York
Van Iderstine's, Peter Sons, E. R. av, L. I., N. Y.
Wise, L. & Bro., 36 Main, Cincinnati, O.

Tampers (Concrete)

Anderson Mfg. Co. ("Magic"), Moorhead, Minn.
Anderson, W. H. Tool & Supply Co., 14 & 16 Macomb, Detroit, Mich.
Columbus Foundry & Machine Co. ("Embleton" Power), Columbus, O.

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Kramer Bros. Foundry Co. ("Gem" Hand). Dayton, O.
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Sheldon, E. H. & Co., 84 N May, Chicago, Ill.
Storts, John & Son, 210 Vine, Phila., Pa.

Tampers (Dirt & Sod)

Dunn Mfg. Co. (For Sewer & Trench Work, etc.), Westinghouse bldg, Pittsburg, Pa.
Modern Iron Works (Iron Handle), Quincy, Ill.
Storts, John & Son, 210 Vine, Phila., Pa.
Swett, A. L. Iron Works, Medina, N. Y.

Tank Fixtures

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
McGowan, John H. Co. (Water, Railroad Only). 54 Central av, Cincinnati, O.

Tank Pulls

(See Pulls, Closet)

Tank Saddles

(See Boiler Saddles)

Tanks (Acid)

AMERICAN BOILER WORKS, Louisville, Ky.
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GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hammond Iron Works, Warren, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Morgan Construction Co., Worcester, Mass.
New York Central Iron Works Co., Geneva, N. Y.
Norcross Co. (Euclid Stone), 1264 Riverbed, Cleveland, O.
PETROLEUM IRON WORKS CO. (Steel), Sharon, Pa. (See adv. index & branch offices, end of book)
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass. Works, Ashestine, Va.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio
Walls, Owen & Stambach Co. (Soapstone), 11th & Ridge av, Phila., Pa.
Warren City Tank & Boiler Co., Warren, O.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Air)

AIR-TIGHT STEEL TANK CO., Pittsburg, Pa.
AMERICAN BOILER WORKS, Louisville, Ky.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Aurora Boiler Works (Inc.), Aurora, Ill.
BALTIMORE COOPERAGE CO., THE (Air Pressure), cor Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
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INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Ironclad Mfg. Co., 204 Varet, Brooklyn, N. Y.
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PRESSED STEEL TANK CO. (Seamless Steel), Milwaukee, Wis. (See adv. index, end of book)
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SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
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KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MICHELMANN STEEL CONSTRUCtion Co., Quincy, Ill. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
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(See Heaters, Asphalt)

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KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
National Oil Pump & Tank Co., Dayton, O.
Non-Explosive Can & Device Co., 84 Chambers, New York
Prest-O-Lite Co., Indianapolis, Ind.
Safety Tank Co., 25 W 42d, New York
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Tokheim Mfg. Co., Cedar Rapids, Ia.
Western Oil Pump Co., 2437 Kosciusko, St. Louis, Mo.
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(See Tanks, Car & Boat)

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(See Cylinders, Calcium Light)

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SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Warren City Tank & Boiler Co., Warren, O.
WELLER MFG. CO., 124 E. North av., Chicago, Ill. (See adv. index, end of book)

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MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
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PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
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Randolph-Clowes Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
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Trageser, John, Steam Copper Works, 447 W. 26th, New York
Walker, James & Son, Detroit, Mich.
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(See Cylinders, Creosoting)

Tanks (Cyanide)

(See also Tanks, Wood)

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Aurora Boiler Works (Inc.), Aurora, Ill.
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CALDWELL, W. E. CO., Louisville, Ky. (See adv. index, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Denver Engineering Works Co., Denver, Colo.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hammond Iron Works, Warren, Pa.
Harmon, S. H. Lumber Co., San Francisco, Cal.
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MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Mine & Smelter Supply Co., Denver, Colo.
MINNEAPOLIS STEEL & MACHIN- ery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Pacific Tank Co., Los Angeles, Cal.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
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Warren City Tank & Boiler Co., Warren, O.
Weigele Riveted Steel Pipe Works, 2949 Lartmer, Denver, Col
Western Pipe & Steel Co., Los Angeles, Cal.

Tanks (Cylindrical)

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CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
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MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
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Pittsburg Steel Construction Co., Lewis Block, Pittsburg, Pa. Works, Economy, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Tanks (Dipping)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Tanks (Dry Cleaners')

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Tanks (Expansion)

AMERICAN BOILER WORKS, Louis- ville, Ky.
American Radiator Co. ("Ideal," Automatic, etc.), 282 Michigan av, Chicago, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CENTRAL FOUNDRY CO. (Green House), 37 Wall, New York. (See adv. index, end of book)
Cody, Jos. & Sons, Peoria, Ill.
Detroit Range Boiler Co., 619 24th, Detroit.
Drake, Wm., Springfield, Ill. Mich.
Frost Mfg. Co., Galesburg, Ill.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Grote Mfg. Co., Evansville, Ind.
Hibbs, E. A., 212 Quarry, Philadelphia, Pa.
Hopson & Chapin Mfg. Co. (Cast Iron Automatic Feed), New London, Conn.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Iron Clad Mfg. Co., 204 Varet, Brooklyn, N. Y.
KEWANEE BOILER CO., Kewanee, Ill. & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)
Lawler Regulator Co. ("Lawler's" Automatic), 472 W Broadway, New York
McAleenen Boiler Co., Peoria, Ill.
Mott, J. L., Iron Works, 118 5th av, New York
Murray Iron Works Co., Burlington, Ia.
New York Central Iron Works Co., Geneva, N. Y
Page, W. H. Boiler Co., 15 Murray, New York
Penna. Range Boiler Co., 2010 N 10th & Norris, Phila., Pa
PRESSED STEEL TANK CO., Mil- waukee, Wis. (See adv. index, end of book)
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Ronalds & Johnson Co., 51 Boerum, pl, Brooklyn, N. Y.
SCAIFE, WM. B. & SONS CO. ("Scaife," Automatic, etc.), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Springfield Boiler & Mfg. Co., Springfield, Ill.
Star Boiler Works (Inc.), Clinton, Ia.
Thompson Iron Works, 1825 Callowhill, Phila., Pa.
Trageser, John, 477 W 26th, New York
Treadwell M. H. Co., 90 West, New York. Works, Lebanon, Pa.
Wolff, L. Mfg. Co., 117 W. Lake, Chicago, Ill.
Wood, John Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

Tanks (Filter)

AMERICAN BOILER WORKS, Louis- ville, Ky.
BALTIMORE COOPERAGE CO., THE (Wooden), cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila, Pa. (See adv. index, end of book)
GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
New York Central Iron Works Co., Geneva, N. Y.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Warren City Tank & Boiler Co., Warren, O.

*Tanks (Fire Extinguisher)

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Tanks (Fuel Oil)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Old Colony Light Co. ("Puritan"), 214 Pleasant, Boston, Mass.
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)

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SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

WILSON, F. CORTEZ & CO. 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Galvanized Steel)

BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

Butler Co., Butler, Ind.

CALDWELL, W. E. CO., Brook & D, Louisville, Ky. (See adv. index, end of

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

Challenge Co., Batavia, Ill.

Chicago Steel Tank Co., 194 Mather, Chicago, Ill.

Cox & Neel Steel Tank Co., St. Louis, Mo.

Dickelman Mfg. Co., Forest, O.

FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)

Flint & Walling Mfg. Co., Kendallville, Ind.

Freeland, B. F. Sons Co., Sturgis, Mich.

GRISCOM-SPENCER CO., 90 West, New York, & ft. Washington av, Philadelphia, Pa. (See adv. index & branch offices, end of book)

Harry Bros. Mfg. Co. (Corrugated), Dallas, Tex.

Harry, O. K. Steel Works (Corrugated Stock, Storage, etc.), Dallas, Tex., & St. Louis, Mo.

Hunt & Dorman Mfg. Co. (Iron Storage), 21 Bright, Cleveland, O.

Kelly Foundry & Machine Co., Goshen, Ind.

Kelly Mfg. Co. (Stock, Storage, Creamery, etc.), Waterloo, Ia.

KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)

KOVEN, L. O. & BRO., 50 Cliff, New York, (See adv. index, end of book)

Littleford Bros., 453 E Pearl, Cincinnati, O.

Lyon Metallic Mfg. Co., Aurora, Ill.

MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Muenzermayer, J. J. & W. F. (Iron Stock), Junction City, Kans.

National Steel Tank Co., Niles, Mich.

New York Central Iron W'ks Co., Geneva, N. Y.

Ohio Galvanizing & Mfg. Co. (Steel), Niles, O.

Omaha Tank Mfg. Co., Omaha, Neb.

PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa.. (See adv. index, end of book)

SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Treadwell, M. H. Co., 90 West, New York. Works: Lebanon, Pa.

Waterloo Mfg. Co. (Stock, Storage, Creamery, etc.), Waterloo, Iowa

WILSON, F. CORTEZ & CO., 239 Lake Chicago, Ill. (See adv. index, end of book)

*Tanks (Gas Engine)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Gasoline)

Air-Tight Steel Tank Co. (Storage for Motor Cars, etc.), Pittsburg, Pa.

AMERICAN BOILER WORKS, Louisville, Ky.

Avery Stamping Co. ("Never Break"), Lake & Col., Cleveland, Ohio

BOWSER, S. F. & CO. (Inc.) (Self-Measuring), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)

KEWANEE BOILER CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

New York Central Iron Works Co., Geneva, N. Y.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)

SCAIFE, WM. B. & SONS CO. (Storage, Launch, Underground, etc.), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Pittsburg Steel Tank Co., Pittsburg, Pa.

Warren City Tank & Boiler Co., Warren, O.

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Wilson & Friend Co. ("Acme"), 200 E Kinzie, Chicago, Ill.

Tanks (Glass Enameled Steel)

(See Tanks, Steel Glass Enameled)

Tanks (Grain Elevator)

(See Tanks, Grain Elevator & Grain Storage)

Tanks (Grain Elevator & Grain Storage)

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)

CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)

Sharon, Pa. (See adv. index & branch offices, end of book)

Corcoran, A. J. (Inc.), 11 John, New York

GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)

KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)

PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index, end of book)

Pittsburg Steel Construction Co., Lewis Block, Pittsburg, Pa. Works, Economy, Pa.

Pollock, Wm. B. Co., Youngstown, O.

REEVES BROS CO., Alliance, O. (See adv. index & branch offices, end of book)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Treadwell, M. H. Co., 90 West, New York. Works, Lebanon, Pa.

Tanks (Grain Storage)

(See Tanks, Grain Elevator & Grain Storage)

Tanks (High Pressure)

(See Tanks, Pressure)

Tanks (Hydrogen & Oxygen)

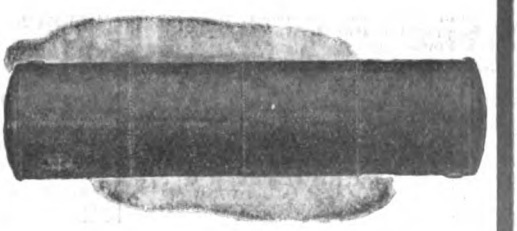
(See Cylinders, Hydrogen & Oxygen)

Tanks (Indurated Fibre)

United Indurated Fibre Co. (of N. J.) (For High Tension Oil Switches), Lockport, N. Y.

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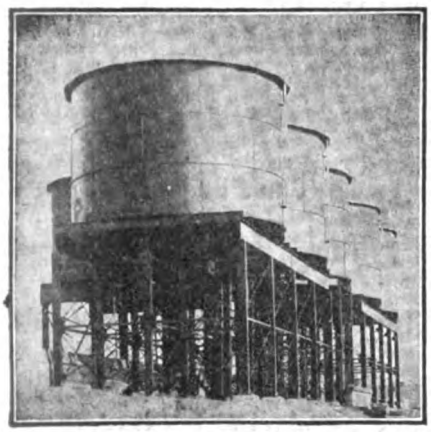


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CANTON, OHIO, U. S. A.

Tanks (Iron & Steel)

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Abendroth & Stein (Inc.), 39 Cortlandt, New York
Aermotor Co. (Steel Only), Campbell av, nr 12th, Chicago, Ill.
Air-Tight Steel Tank Co., Pittsburg, Pa.
Allentown Boiler Works (Collum & Knouse, Props.), Allentown, Pa.
AMERICAN BOILER WORKS, Louisville, Ky.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end
Aurora Boiler Works, Aurora, Ill. of book)
Baker Mfg. Co., Evansville, Wis.
BALTIMORE COOPERAGE CO., THE, cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Bartlett, A. F. & Co., Saginaw, Mich.
Bartlett, Hayward & Co., Baltimore, Md.
Biggs Boiler Works Co., Akron, O.
Birmingham Boiler Works, Birmingham, Ala.
Borger Bros. Co., Columbus, O.
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Bridgeport Boiler Works, Bridgeport, Conn.
Briscoe Mfg. Co., Detroit, Mich.
Bushnell Tank Works (Steel), Bushnell, Ill.
CALDWELL, W. E. CO., Brook & D, Louisville, Ky. (See adv. index, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Bridge & Iron Works (Horace E Horton, Prop.), W 105th & Throop, Chicago, Ill
Childs, S. D. & Co. (Brass, Steel & Aluminum), 200 Clark, Chicago, Ill.
Coatesville Boiler Works, Coatesville, Pa.
Cole, R. D. Mfg. Co., Newnan, Ga.
Columbiana Boiler Co., Columbiana, O.
Columbus Steam Boiler & Heater Co., Columbus, O.
Connellsville Iron Works, New Haven, Conn.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Cruse-Kemper Co. (Oil & Water), Ambler, Pa.
Deily & Fowler (Oil & Water, etc.), 39 Laurel, Phila. Pa
DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)
Dubois Iron Works, Dubois, Pa.
Duff Patents Co., Frick bldg, Pittsburg, Pa.
East Jersey Pipe Co., Paterson, N. J.
Edge Moor Iron Co., Wilmington, Del.
Elba Iron Mfg. Co., Beverly, N. J.
Etnyre, E. L. & Co., Oregon, Ill.
Fargo Foundry Co., Fargo, N. D.
Fitzgibbons Boiler Co., Oswego, N. Y.
Folsom, C. G., South Bend, Ind.
Franklin Boiler Works Co., Green Island, Troy, N. Y.
Freeman, S. & Sons Mfg. Co. (Also Tanks, Wood), Racine, Wis.
Gem City Boiler Co., Dayton, O.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
GRISCOM-SPENCER CO., 90 West, New York & ft. Washington av, Phila., Pa (See adv. index, end of book)
Hall's, Sidney Son (Small Only), 175 Mill, Rochester, N. Y.
Hamler Boiler & Tank Co., 3900 S Halstead, Chicago, Ill.
Hammond Iron Works (Steel), Warren, Pa.
Harlan & Hollingsworth Corp., ft. West st, Wilmington, Del.
Harrisburg Fdry. & Mach. W'ks, Harrisburg,
Hartley's Boiler W'ks, Montgomery, Ala. Pa.
Heilman Boiler Works, Allentown, Pa.
Hendrick Mfg. Co., Carbondale, Pa.
Hibbs, E. A. (Oil, Drip, Blow-Off, Storage, etc.), 213 Quarry, Phila., Pa
Hill Boiler Works, 102nd & Ave N, Chicago, Ill.
Hodge Boiler Works, Sumner nr N Ferry, East Boston, Mass
Honhorst, Joseph Co., Cincinnati, O.
Honolulu Iron Works Co., Honolulu, Hawaii
Jarvis Engine & Machine Works, Lansing, Mich.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich
KEELER, E. CO., Williamsport, Pa. (See adv. index & branch offices, end of book)
Kehoe, Wm. & Sons, Savannah, Ga.
KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
KEWANEE WATER SUPPLY CO., Kewanee, Ill., & 35 Michigan av, Chicago, Ill. (See adv. index, end of book)
Kittoe Boiler & Tank Co. (Steel), Canton, O.
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. on following page)
Kroeschell Bros. Co., 55 Erie, Chicago, Ill.
Lappan, Jas. Mfg. Co., 20th & Pike, Pittsburg.
Leetonia Boiler Co., Leetonia, O. Pa.
Lookout Boiler & Mfg. Co., Chattanooga, Tenn.
Love Bros., Inc., Aurora, Ill.
McNeil, Jas. & Bro. Co., 29th & A. V. Ry., Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Massillon Bridge & Structural Co., Massillon, Ohio
Meehan Boiler & Construction Co., Lowell ville, O
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MICHELMANN STEEL CONSTRUCtion Co., Quincy, Ill. (See adv. index, end of book)
Milwaukee Boiler Co. Milwaukee, Wis.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Munroe, R. & Sons Corporation Co., 23d & Smallman, Pittsburg, Pa
Newbold, R. S. & Son Co., Norristown, Pa.
Niles Steel Tank Co., Niles, Mich.
New York Central Iron Works Co., Geneva, N. Y
Novelty Steam Boiler Works (Triplett & Jennings, Props.), 917 Howard, Baltimore, Md
Odlum-Taylor Boiler Co. (Steel), Memphis, Tenn
Oil City Boiler Works (Inc.), Oil City, Pa., & 39 Cortlandt, New York
Oldman Boiler Works (Steel Only), 38 Illinois, Buffalo, N. Y.
Optenberg Iron Works Co., Sheboygan, Wis.
Oswego Boiler & Engine Co., Oswego, N. Y.
Pacific Tank Co., Los Angeles, Cal.
Penna. Boiler Works, Erie, Pa.
Penna. Steel Co. (Steel), Steelton, Pa.
Pennsylvania Iron Works, Erie, Pa.
PETROLEUM IRON WORKS CO, (Gas, Oil & Water), Sharon, Pa. (See adv. index & branch offices, end of book)
Petty, J. K. & Co., Stephen Girard bldg, Phila., Pa. Works, Lebanon, Pa.
Pfeiffer, Chris. Boiler Co., 70 Michigan, Chicago, Ill.
Philadelphia Iron Works, 18th & Penna av, Phoenix Iron W'ks, Portland, Ore. Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburg Steel Construction Co., 708 Lewis Blk, Pittsburg, Pa. Works, Economy, Pa.
Pollock, Wm. B. Co., Youngstown, O.
Porter Foundry & Machine Co., Pittsburg, Pa.
Portland Co., 58 Fore, Portland, Me.
Pusey & Jones Co., Wilmington, Del.
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Riter-Conley Mfg. Co., 56 Water, Pittsburg, Pa.
Ricard Boiler & Engine Co., Toledo, O.
Robb-Munford Boiler Co. (Inc.), S. Framingham, Mass.
RUGGLES-COLES ENGINEERING CO., 39 Cortlandt, New York. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Schalkenbach & Budke, Jersey City, N. J.
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O., & 1133 B'way, New York. (See adv. index, end of book)
Scioto Boiler W'ks, 33 N Scioto, Columbus, O.
Sharkey & Peck, 1175 W. 18th, Chicago, Ill.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Specialty Engineering Co. (Steel), 1908 B Westmoreland, Phila., Pa.

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Struthers-Wells Co. (Of All Descriptions), Warren, Pa.
Sutter, Bros., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
Titusville Iron Co., Titusville, Pa.
Treadwell, M. H. Co., 90 West, New York. Works: Lebanon, Pa.
Turl's Jno. Sons (Inc.), 26 Cortlandt, New York; Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Union Iron Works, Erie, Pa.
Union Iron Works Co., San Francisco, Cal.
United States Wind Engine & Pump Co., Batavia, N. Y.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Variety Iron & Steel Works Co., Cleveland, O.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Wanger, Jos. F. Boiler & Sheet Iron Co., 1547 N 9th, St. Louis, Mo
Warren City Tank & Boiler Co., Warren, O.
Waterloo Mfg. Co., Waterloo, Ia.
Watson, Jas. H. Co. (Inc.), Bradley, Ill
Webber Iron Works, Birmingham, Ala.
Weigele, Wm. A. Steel Pipe Works, Larimer & 30th, Denver, Colo.
Western Pipe & Steel Co., Los Angeles, Cal.
White, Robt. Engineering Works, ft. of Columbia, Brooklyn, N. Y.
WILFONG BROS., 52d & Grays av, Phila., Pa. (See adv. index, end of book)
WILSON, F. CORTEZ & CO. 239 Lake, Chicago, Ill. (See adv. index, end of book)
WORDEN-ALLEN CO., P. O. Box 528 Milwaukee, Wis. (See adv. index & branch offices, end of book)
York Mfg. Co., York, Pa.

*Tanks (Jacketed)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Lead)

BADGER, E. B. & SONS CO., 75 Pitts. Boston, Mass. (See adv. index, end of book)
Colwell Lead Co., 100 Lafayette, New York
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Lighting System)

Every Portable Lighting Co. ("Autogas"), Milwaukee, Wis.
Avery Stamping Co. ("Never Break" Steel), Lake & Coe, Cleveland, O.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
PRESSED STEEL TANK CO., Milwaukee, Wis. (See adv. index, end of book)
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Tanks (Lubricating Oil Storage)

(See also Cabinets, Oil)

BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
Delphos Mfg. Co. (Non-overflowing), Delphos, Ohio
Turner Oil Filter Co. ("Turner"), Niles, Mich.
Wall, P. Mfg. & Supply Co., Pittsburg, Pa.
Weston Oil Pump Co., St. Louis, Mo.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index & branch offices, end of book)
Wilson & Friend Co. ("Acme"), 200 E Kinzie, Chicago, Ill.

Tanks (Metal)

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Lyon Metallic Mfg. Co., 10 Ann, Aurora, Ill.

Tanks (Mixing)

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BALTIMORE COOPERAGE CO., THE (Wooden Mixing), cor. Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
Hammond Iron Works Co., Warren, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Treadwell, M. H. Co., 90 West, New York. Works, Lebanon, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tanks (Molasses)

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CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Chicago Bridge & Iron Works, Throop & 105th, Chicago, Ill.
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hamond Iron Works, Warren, Pa.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
PETROLEUM IRON WORKS CO., Sharon, Pa. (See adv. index & branch offices, end of book)
REEVES BROS. CO., Alliance, O. (See adv. index & branch offices, end of book)
Treadwell, M. H. Co., 90 West, New York. Works, Lebanon, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

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SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

*Tanks (Naphtha)

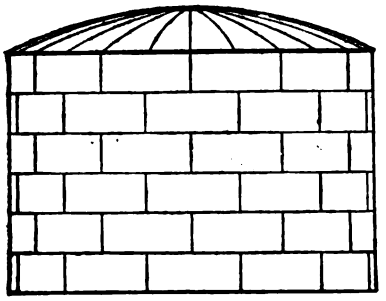
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Tanks (Oil)

(See also Tanks, Lubricating Oil Storage)

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Aurora Boiler Works (Inc.), Aurora, Ill.
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Bushnell Tank Works (Wool), Bushnell, Ill.
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. on following page)
Casey-Hedges Co., Chattanooga, Tenn.
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
Chicago Bridge & Iron Works, Throop & 105th, Chicago, Ill.
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Deity & Fowler, 39 Laurel, Phila., Pa.
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(See Cylinders, Hydrogen & Oxygen)

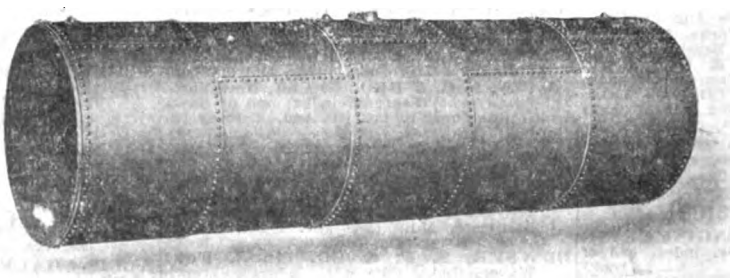
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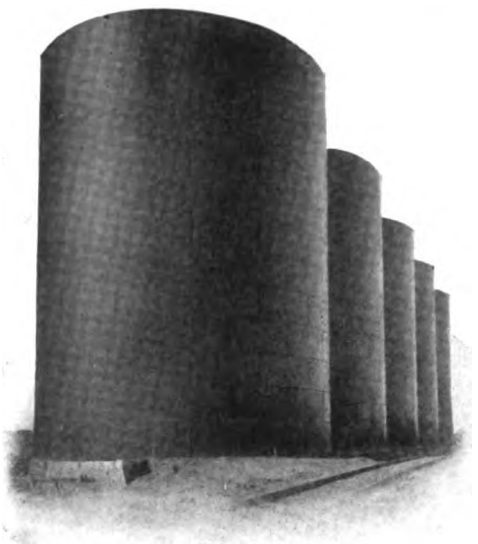
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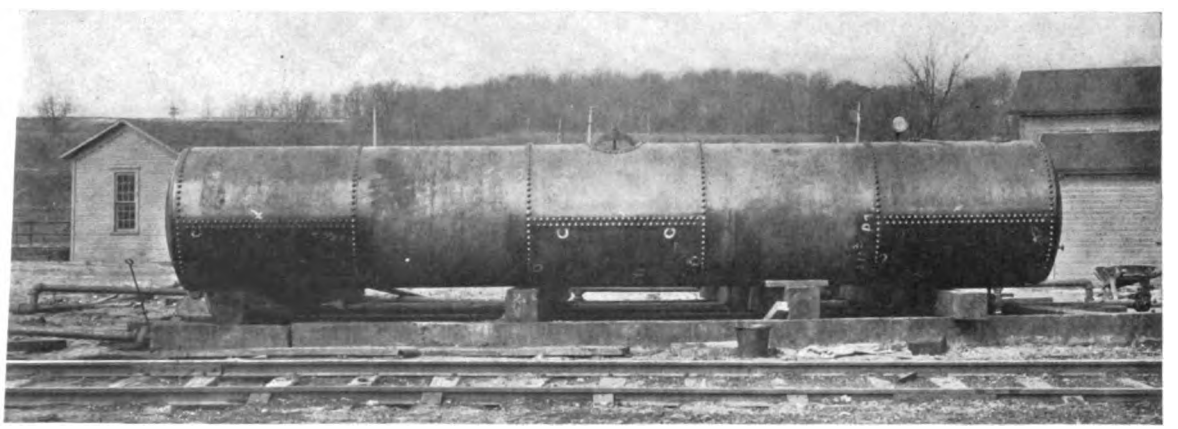
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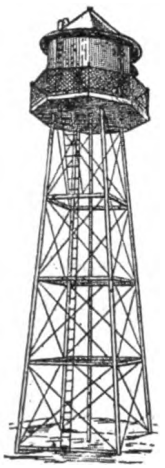
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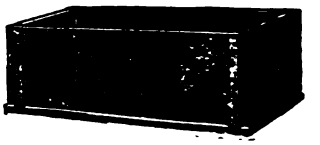
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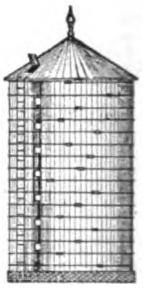
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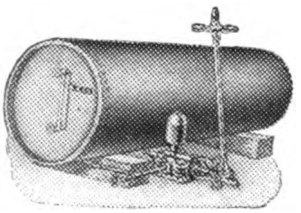


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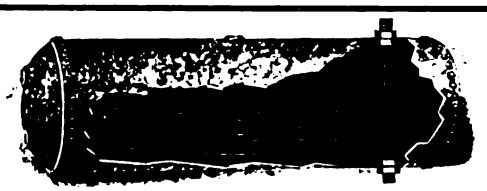
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SCAIFE, WM. B. & SONS CO., 221 1st av., Pittsburg, Pa. (See adv. index, end of book)

Tanks (Sugar House)

Goetz & Flodin Mfg. Co., 109 W. Chicago av., Chicago, Ill.

*Tanks (Tanners')

BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)

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BOWSER, S. F. & CO. (Inc.), Fort Wayne, Ind. (See adv. index & branch offices, end of book)
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)

Tanks (Tempering)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
Petty, J. K. & Co. (Lebanon Boiler Works), Stephen Girard Bldg., Phila., Pa. Works, Lebanon, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Tanks (Vulcanizing)

DONEGAN & SWIFT, 6 Murray, New York. (See adv. index, end of book)

Tanks (Water Closet)

(See also Plumbers' Woodwork)

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Coyne & Delaney ("C. & D." Safety Locking Tank & Ball Cock), 303 Rodney, Brooklyn, N. Y.
Great Western Pottery Co. ("Waverline" Vitreous China), Kokomo, Ind
Lipp Louis Co. (Enameled Iron), Cincinnati, O.
Pittsburg Sanitary Mfg. Co. ("Reed" One-piece Enameled Iron), 522 2d av., Pittsburg, Pa.
Trenton Potteries Co. ("Imperyio," Vitreous China), Trenton, N. J.

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Aultman & Taylor Mach'y Co., Mansfield, O.
BALTIMORE COOPERAGE CO., THE, c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Case, J. I. Threshing Machine Co. (Steel), Racine, Wis.
Gaar, Scott Co., Richmond, Ind. (Also Wood), Richmond, Va.
Huber Mfg. Co., Marion, O.
Kelly Mfg. Co., Waterloo, Ia.
KOVEN, L. O. & BRO., 50 Cliff, New York. (See adv. index, end of book)
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SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Tanks (Windmill)

(See also Windmill Mfrs.)

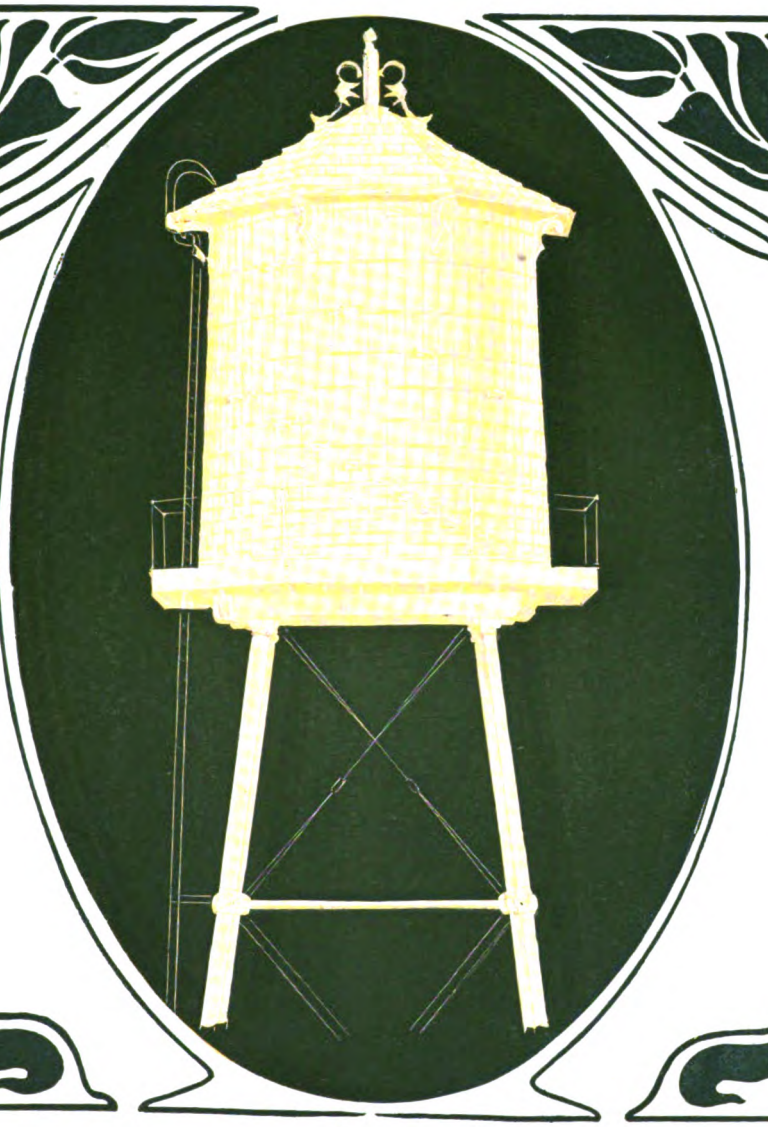
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Challenge Co., Batavia, Ill.
Corcoran, A. J. (Inc.), 11 John, New York
KOVEN, L. O. & BRO., 50 Cliff, New York (See adv. index, end of book)

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American Mfg. Co., 2121 Louisiana av., New Orleans, La.
American Stave & Cooperage Co., 205 Charles, Boston, Mass.
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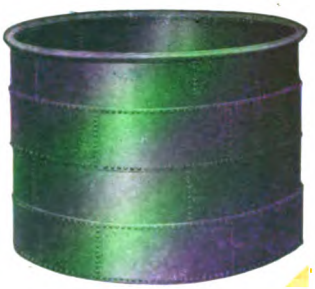
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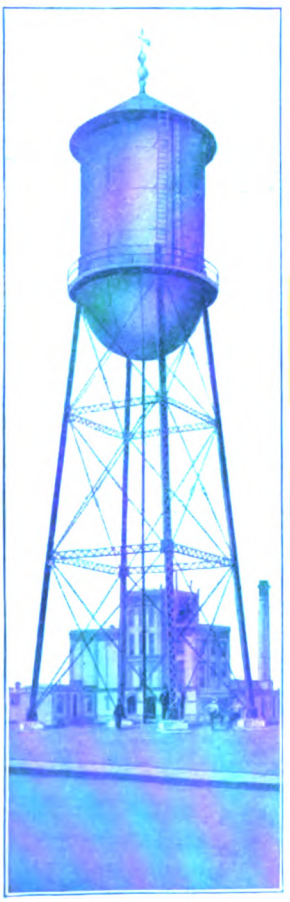
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EUM IRON WORKS CO.,
Pa. (See adv. index & branch offices, end of book)
M. T. Co., 90 West, New York. Works, Lebanon, Pa.

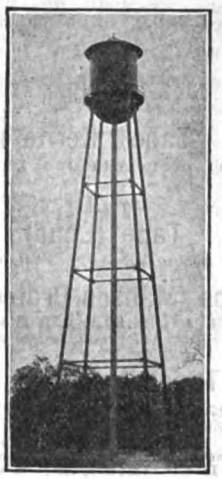
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Odlum-Taylor Boiler Co. (Steel), Memphis, Tenn.
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Tape (Insulating)

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Revere Rubber Co. ("V," "Z"), Boston, Mass.
Schoonmaker, A. O. (Oiled Muslin), 221 Fulton, New York
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Errington, F. A. (Automatic Reverse & Safety Friction Type), 39 Cortlandt, New York
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Lepointe Machine Tool Co., Hudson, Mass.

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WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
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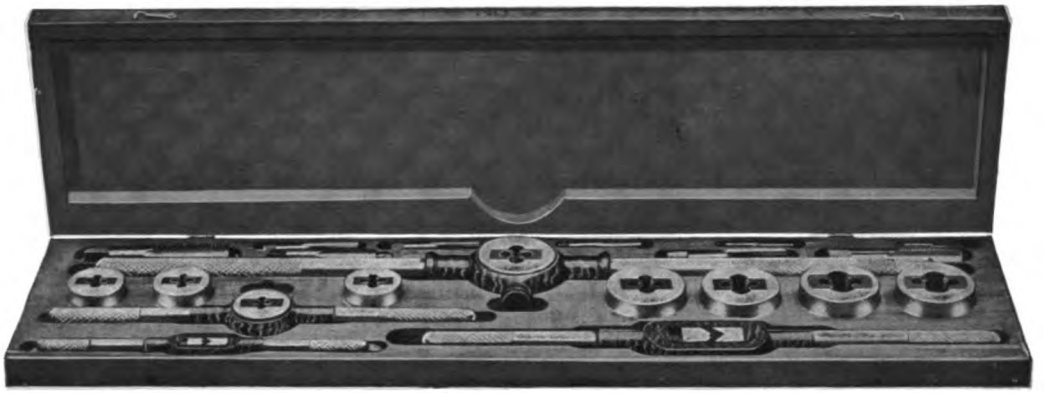
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Standard Tool Co., Central av & P. Ry., Cleveland, O.
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Carpenter, J. M. Tap & Die Co. (Taper), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
Hart Mfg. Co., Cleveland, O.
Holroyd & Co. (Taper & Plug), Waterford, N. Y.
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Reece, E. F., Co., Greenfield, Mass., Pa.
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Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
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TAPS——DIES——SCREW PLATES

BOLT CUTTERS AND NUT TAPPERS



Little Giant.

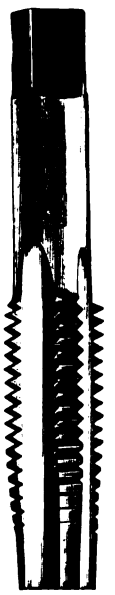
OUR LINE COMPRISES A VARIED ASSORTMENT OF SCREW CUTTING TOOLS. THE NAME "LITTLE GIANT" IS A GUARANTEE OF QUALITY. ALL "LITTLE GIANT" SCREW PLATES ARE FURNISHED WITH THE RENOWNED "LITTLE GIANT" ADJUSTABLE DIE. ALSO ADJUSTABLE TAP WRENCHES OF SUFFICIENT CAPACITY TO HOLD ALL TAPS IN ASSORTMENT. IT IS NECESSARY TO HAVE A TAP WRENCH, SO SEE THAT YOUR SCREW PLATE CONTAINS ONE OR MORE, AS NEEDED. SEND FOR OUR CATALOG 22 H, DESCRIBING OUR COMPLETE LINE.

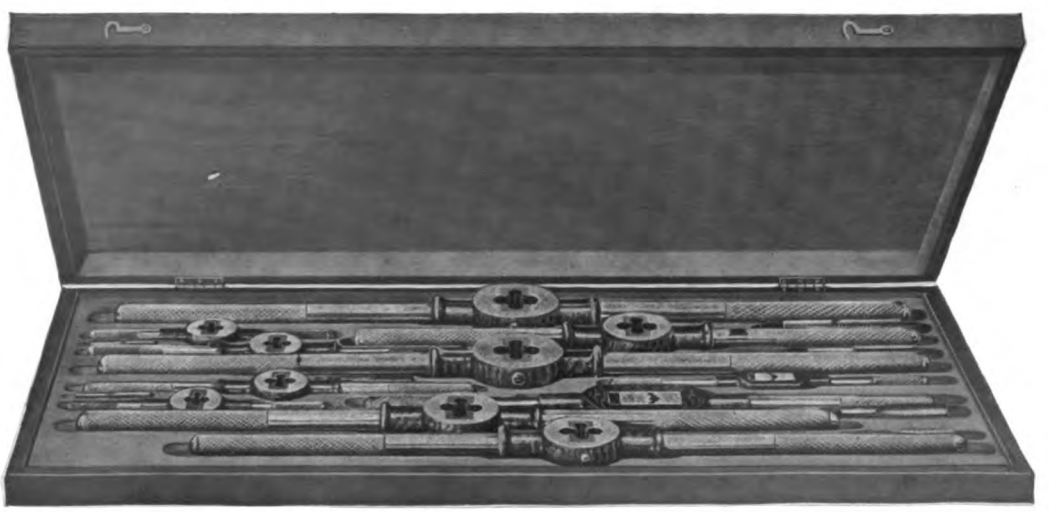
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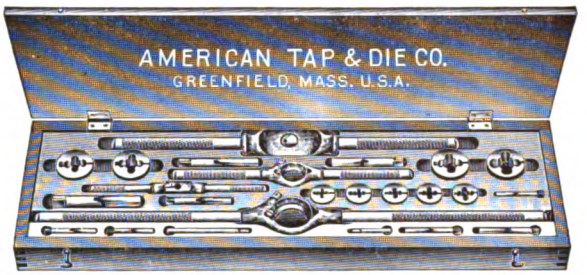
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"ADAMANTINE"
SCREW PLATES

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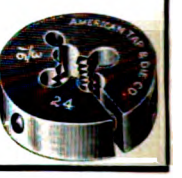




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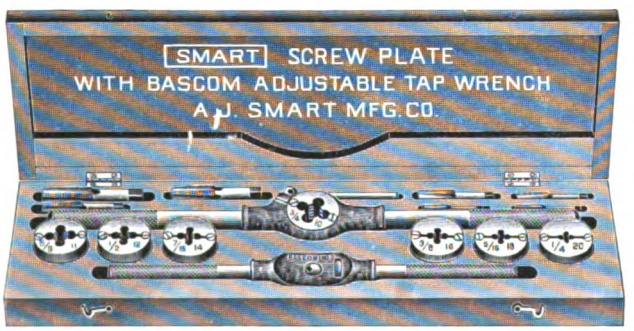
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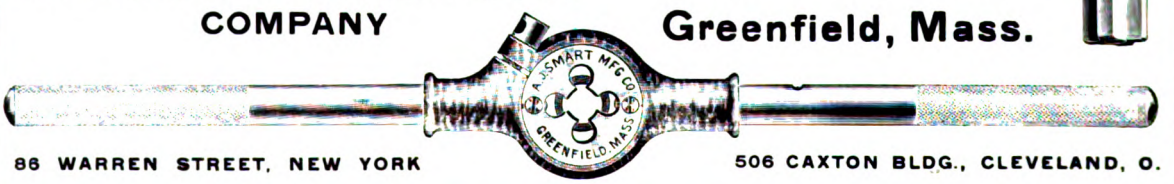
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...-Ingersoll Co., 175 High, Boston, Mass.
...tric Tool Co., New Haven (Westville), Conn.
...P. J. ("Kelly's"), Elizabeth, N. J.
...CHEY MACHINE & TOOL CO. ...urchey" Automatic, also Collapsing Tap Reamer Combined), 52 Porter, cor 4th Detroit, Mich. (See adv. index & branch offices, end of book)
...Tool Co., 2163 Central av, Cincinnati, O
...Tool Mfg. Co. ("Victor" Pipe), Waynesboro, Pa.
...M. Mfg. Co., Meadville, Pa.

(Combined Drill & Reamer)

... & Co., Waterford, N. Y.
... H. Mfg. Co., Decatur, Ill.
... J. & Son, Millersburg, Pa.
...F. Co., Greenfield, Mass.
...Tap Co., Springfield, Vt.

Taps (Die)

...e Tap & Die Co., Mansfield, Mass.
...W. Mfg. Co., Mansfield, Mass.
..., J. M. Tap & Die Co., Pawtucket, R. I.
...ist Drill & Machine Co., New Bedford, Mass.
...Whitney Co., Hartford, Conn.
...F. Co., Greenfield, Mass.
...Tap Co., Springfield, Vt.
...BROS. CO. ("Little Giant"), ...nfield, Mass. (See adv. index, end of book)
...AN & BARNES MFG. CO., ...o, Ill. (See adv. index & branch offices, end of book)

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...Electric Mfg. Co., 40 W Jackson boul, Chicago, Ill.
...3th & 9th av, New York
...ctric Co., Boston, Mass.
...arvey (Inc.), Bridgeport, Conn.
... Electrical Supply Co. ("Mesco"), 17 Park pl, New York
...E. B. ("Vetter"), 104 E 23d, New York
...ecialty Co. ("Metropolitan"), Yonkers, N. Y.

...aps (Gas Fixture)

... TAP & DIE CO., Greenfield, ...ss. (See adv. index, end of book)
...ROS. CO. ("Little Giant"), ...d, Mass. (See adv. index, end of book)

Taps (Hand)

Holroyd & Co. (Right & Left), Waterford, N. Y.
King, J. M. & Co., Waterford, N. Y.
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Taps (Hob)

AMERICAN TAP & DIE CO. ("Eagle" Brand, "Adamantine"), Greenfield, Mass. (See adv. index, end of book)
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Besly, Chas. H. & Co., 15 S. Clinton, Chicago, Ill.
Card, S. W. Mfg. Co., Mansfield, Mass.
Holroyd & Co., Waterford, N. Y.
MORSE TWIST DRILL & MACHINE Co. (Hob or Master; also Sellers; also Short Plug), New Bedford, Mass. (See adv. index, end of book)
Polk, A. J. & Son (Sellers), Millersburg, Pa.
SMART, A. J. MFG. CO. ("Smart" Long Taper or Master, Short Plug & Sellers, etc.), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Central av & P. Ry., Cleveland, O.
Superior Tap Co., Springfield, Vt.
Reece, E. F., Co., Greenfield, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

*Taps (Horse Shoe)

AMERICAN TAP & DIE CO. ("Eagle" Brand), Greenfield, Mass. (See adv. index, end of book)
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

*Taps (Locomotive)

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Taps (Machine Nut)

American Screw Co., Providence, R. I.
AMERICAN TAP & DIE CO. ("Eagle" Brand, "Adamantine," "Temper"), Greenfield, Mass. (See adv. index, end of book)
Bay State Tap & Die Co., Mansfield, Mass.
Besly, Chas. H. & Co., 15 S Clinton, Chicago, Ill.
Brown, H. B. & Co. (Nut Threading), East Hampton, Mass.
Brubaker, W. L., & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby"), Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
CLEVELAND TWIST DRILL CO., Lakeside av. & 49th, Cleveland, O. (See adv. index, end of book)
Holroyd & Co., Waterford, N. Y.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
King, J. M. Co. (Inc.), Waterford, N. Y.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
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Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Reynolds & Co., 321 East, New Haven, Conn.
SMART, A. J. MFG. CO. ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Central av & P. Ry, Cleveland, O.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

Taps (Machine Screw)

American Screw Co., Providence, R. I.
AMERICAN TAP & DIE CO. ("Eagle" Brand, "Adamantine," "Temper"), Greenfield, Mass. (See adv. index, end of book)
BAY STATE TAP & DIE CO., Mansfield, Mass (See adv. index, end of book)
Besly, C. H. & Co., 15 S Clinton, Chicago, Ill.
Brubaker, W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.
King, J. M. Co. (Inc.), Waterford, N. J.
MORSE TWIST DRILL & MACHINE Co., New Bedford, Mass. (See adv. index, end of book)
Mount Carmel Bolt Co., Mount Carmel, Conn.
Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
Reynolds & Co., New Haven, Conn.
SMART, A. J. MFG. CO. ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Central av. & P. Ry, Cleveland, O.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

Taps (Machinists' Hand)

AMERICAN TAP & DIE CO. ("Eagle" Brand), Greenfield, Mass. (See adv. index, end of book)
Bay State Tap & Die Co., Mansfield, Mass.
Brubaker, W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

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Holroyd & Co., Waterford, N. Y.
Hoopes & Townsend, 1330 Buttonwood, Philadelphia, Pa.
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Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
Reynolds & Co., New Haven, Conn.
SMART, A. J. MFG. CO. ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Central av & P. Ry. Cleveland, O.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

*Taps (Mud Wash-Out)

AMERICAN TAP & DIE CO. ("Eagle" Brand), Greenfield, Mass. (See adv. index, end of book)
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WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Taps (Patch Bolt)

AMERICAN TAP & DIE CO. ("Eagle" Brand), Greenfield, Mass. (See adv. index, end of book)
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Brubaker, W. L. & Bros., Millersburg, Pa.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
Chicago Screw Co., 510 Homan av, Chicago, Ill.
CLEVELAND TWIST DRILL CO., Lakeside av. & 40th, Cleveland, O. (See adv. index, end of book)
Holroyd & Co., Waterford, N. Y.
MORSE TWIST DRILL & MACHINE CO., New Bedford, Mass. (See adv. index, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reece, E. F. Co., Greenfield, Mass.
SMART, A. J. MFG. CO. ("Smart"), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Cleveland, O.
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wiley & Russell Mfg. Co., Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

Taps (Pulley)

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Bay State Tap & Die Co., Mansfield, Mass.
Besly, Chas. H. & Co., 15 S Clinton, Chicago, Ill.
Brubaker, W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
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Polk, A. J. & Son, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
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Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

Taps (Stay Bolt)

AMERICAN TAP & DIE CO. ("Eagle" Brand), Greenfield, Mass. (See adv. index, end of book)
Baldwin Steel Co. ("Hudson" Reinforced), 133 Reade, New York
Bay State Tap & Die Co., Mansfield, Mass.
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Brubaker, W. L. & Bros., Millersburg, Pa.
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Carpenter, J. M. Tap & Die Co., Pawtucket R. I
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Pratt & Whitney Co., Hartford, Conn.
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Card, S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.
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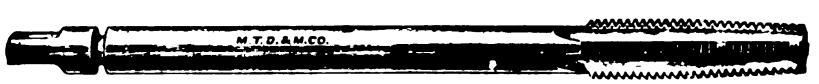
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Card, S. W. Mfg. Co., Mansfield, Mass.
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Holroyd & Co. (Bicycle, etc.), Waterford, N. Y.
King, J. M. Co. (Inc.), Waterford, N. Y.
Polk, A. J. & Son, Millersburg, Pa.
Reece, E. F. Co., Greenfield, Mass.
SMART, A. J. MFG. CO. ("Smart" Blacksmith), Greenfield, Mass. (See adv. index, end of book)
Superior Tap Co., Springfield, Vt.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)
Winter Bros. Co., Wrentham, Mass.

Taps (Tapper)

AMERICAN TAP & DIE CO. ("Eagle" Brand, "Adamantine," "Temper"), Greenfield, Mass. (See adv. index, end of book)
Bay State Tap & Die Co., Mansfield, Mass.
Butterfield & Co. (Bicycle, etc.), Derby Line, Vt.
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Carpenter, J. M. Tap & Die Co., Pawtucket, R. I.
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& Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
Bros. Co., Wrentham, Mass.

& Drills (Combined Pipe)

e Tap & Die Co., Mansfield, Mass.
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. F. Co., Greenfield, Mass.
Tap Co., Springfield, Vt.
BROS. CO., Greenfield, Mass. (See adv. Index, end of book)

Taps & Drills (Pipe)

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W. L. & Bros., Millersburg, Pa.
J. M. Tap & Die Co. (Pipe Taps Only), Pawtucket, R. I.
AND TWIST DRILL CO., de av. & 40th, Cleveland, O. (See adv. index, end of book)
Co., Waterford, N. Y.
TWIST DRILL & MACHINE CO., edford, Mass. (See adv. index, end of book)
Whitney, Hartford, Conn.
F. Co., Greenfield, Mass.
Tool Co., Central & P. Ry., Cleveland, O.
N & BARNES MFG. CO., Chi-Ill. (See adv. Index & branch offices, end of book)
Russell Mfg. Co. ("Lightning"), Greenfield, Mass.

ps & Reamers (Pipe)

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fg. Co. 85 Liberty, New York. Works, Bridgeport, Conn.
Tap & Die Co., Mansfield, Mass.
s. H. & Co., 15 S Clinton, Chicago, Ill.
Spencer Co. (Taps Only), Hartford, Conn.
V. L. & Bros., Millersburg, Pa.
& Co. ("Derby"), Derby Line, Vt.
Mfg. Co., Mansfield, Mass.
. M. Tap & Die Co., Pawtucket, R. I.
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Co. (Inc.), Waterford, N. Y.
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& Son, Millersburg, Pa.
ney Co., Hartford, Conn.
hine Co., Fitchburg, Mass.
o. ("Hercules"), Greenfield, Mass.
Sons, Yonkers, N. Y.
. J. MFG. CO. ("Smart" obs & Reamers), Greenfield,). See adv. Index, end of book)
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Co. (Taps), Springfield, Vt.
. (Collapsing Pipe Taps), Waynesboro, Pa
Co., 132 Federal, Boston, Mass
KOS. CO. ("Little Giant"), Mass. (See adv. Index, end of book)
& BARNES MFG. CO., Ill. (See adv. Index & branch offices, end of book)
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Willcox-Ives Oil Co., Savannah, Ga.

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Lee Brothers, Memphis, Tenn.
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Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Hocking Valley Mfg. Co., Lancaster, O.
Howell, R. R. & Co., 31st av., cor. S. E. 4th, Minneapolis, Minn
International Harvester Co. of America (Steel Frame, etc.), Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Ohio Rake Co., Dayton, O.
Richardson Mfg. Co., Worcester, Mass.
Silberzahn Mfg. Co., West Bend, Wis.
Sterling Mfg. Co., Sterling, Ill.
Stoddard Mfg. Co., Dayton, O.
Thomas Mfg. Co., Springfield, O.
Wood, Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y

*Tees (Pipe)

Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index and branch offices, end of book)
LUNKENHEIMER CO. (Brass), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. Index & branch offices, end of book)

Teeth (Bundle Carrier)

Morgan Spring Co., Worcester, Mass.
National Tube Co. (Cast-Malleable & Brass, with "Kewanee" Union), Pittsburg, Pa.

Teeth (Cultivator)

Allen, S. L. & Co., 1017 Market, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Cambria Steel Co. (Gautier Dept.), Johnstown, Pa., & Arcade bldg, Phila., Pa.
Farquhar, A. B. Co. (Ltd.), York, Pa.
Harrow Spring Co. (Spring), Kalamazoo, Mich.
Hench & Dromgold Co., York, Pa.
Parlin & Orendorff Co., Canton, Ill.

Teeth for Crusher Rolls

Keystone Drop Forge Works, Chester, Pa.
Scranton Forging Co. (For Coal or Salt), Scranton, Pa

Teeth (Hay Loader)

Harrow Spring Co., Kalamazoo, Mich.
Morgan Spring Co., Worcester, Mass.

Teeth (Hay Rake)

(See Rake & Tedder Teeth)

Teeth (Two-Part)

Taylor Iron & Steel Co. ("Panama"), High Bridge, N. J.

Teeth (Weeder)

Babcock Mfg. Co., Leonardsville, N. Y.
Harrow Spring Co., Kalamazoo, Mich.

Telegraph Apparatus

BUNNELL, J. H. & Co. ("Duplex" & "Quadruplex"), Park pl. & Church, New York. (See adv. index, end of book)
Electric Mfg. & Equipment Co., Atlanta, Ga.
Pearce, Fred'k Co., 20 Rose, New York

Telegraph Poles

(See Poles, Various Kinds; also Ties, Poles & Posts)

Telegraph Systems (Wireless)

American Deforest Wireless Telegraphic Co., 42 B'way, New York
Clark Wireless Telegraph Co. ("Clark"), Detroit, Mich.

Telephone Arms

Oliver Mfg. Co. ("Equipoise"), 1010 Walnut, Phila., Pa.

Telephone Booths

(See Telephone Cabinet Work with the Word Booths Following Their Names)

Telephone Booths (Miniature Sound Proof)

Miniature Telephone Booth Co., 52 B'way, New York

Telephone Boxes

(See Telephone Cabinet Work with the Word Boxes Following Their Names)

Telephone Cabinet Work

American Veneer Co. (Boxes, Back Guards, etc.), Kenilworth, N. J.
Ayers, J. W. Co. (Boxes, etc.), 325 S. Desplaines, Chicago, Ill.
Bauerle & Stark Co. (Boxes, etc.), 224 W Ohio, Chicago, Ill.
Bender Co. (Booths), Hamilton, O.
Brownell, Chas. H. (Booths, etc.), Peru, Ind.
Capitol Lumber Co. (Boxes, etc.), Indianapolis, Ind.
Churchill Cabinet Co. (Boxes, etc.), 72 Church-ill, Chicago, Ill.
Findeisen & Kropf Mfg. Co., 21st pl & Rockwell, Chicago, Ill.
Fisher Stevens Co. (Booths, etc.), Charles City, Iowa
Folding Cabinet Co. ("Altick" Booths, etc.), Lancaster, Pa.
Heyden, F. (Boxes, etc.), 306 S Clinton, Chicago, Ill.
Household Cabinet Works (Boxes, Booths, Back Boards, etc.), Providence, R. I.
Interstate Electric Mfg. Co., Sioux City, Ia.
Jordan, Edw. B. & Co. (Boxes, etc.), 129 Degraw, Brooklyn, N. Y.
Miniature Telephone Booth Co. (Miniature Booths), 52 B'way, New York
Noblett, E. J. Co. (Boxes, etc.), Peoria & 121st, Chicago, Ill.
Palen's, H. W. Sons (Fine Cabinet Finish), Kingston, N. Y.
Plymouth Novelty Mfg. Co. (Boxes, etc.), Plymouth, Ind.
Seaman, W. S. & Co. (Booths & Supplies), Milwaukee, Wis.
Sewing Machine Cabinet Co. (On Order), Bridgeport, Conn.
Shiles, Wm. & Son (Boxes, etc.), Huntingburg, Ind.
Tolliner's, Chas. Sons Co. (Cases, etc.), Peekskill, N. Y.
Union Hardware Co. (Boxes, etc.), Torrington, Conn.
Wabash Cabinet Co. (Boxes, etc.), Wabash, Ind.
Western Electric Co. (Booths, etc.), 250 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wilhelm Telephone Co. (Boxes, etc.), Buffalo, N. Y.
Wisconsin Chair Co. (Boxes, etc.), Port Washington, Wis.
Yesbera Mfg. Co. (Inc.) (Booths, etc.), Toledo, Ohio

*Telephone Cleats & Staples

AMERICAN VULCANIZED FIBRE Co. (Fibre), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., (Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)

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DIAMOND STATE FIBRE CO., (Fibre), Elsmere, Del. (See adv. index, end of book)
MORRIS ELECTRIC CO., Wilmington, Del.
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

Telephone Cushions (Pneumatic)

Huron Rubber Co., Cleveland, O.

*Telephone Desk Stands

KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)

Telephone Holders

(See Brackets, Desk Telephone)

Telephone Knobs

Scranton Button Co. (Electroid), Scranton, Pa.

Telephone Magnet Cores

Federal Mfg. Co., American Trust bldg, Cleveland, O.

Telephone Meters or Registers

American Electric Telephone Co. ("National"), 64th & State, Chicago, Ill.
Baird Mfg. Co., 1502 N Halsted, Chicago, Ill.
Dean Electric Co., Elyria, O.
Gray Telephone Pay Station Co., Hartford, Conn.
Pearce, W. H. & Co. ("Crescent"), 269 Dearborn, Chicago, Ill.
Turner Brass Works ("Telometer"), Sycamore, Ill.

Telephone Mouthpieces

(Rubber, Composition & Hard Fibre; see also Porcelain Specialties, Electrical, Etc.)

American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Dickinson Mfg. Co. Springfield, Mass.
Electrose Mfg. Co. (Transmitters, etc.), 127 N 10th, Brooklyn, N. Y.
General Insulate & Machine Co. ("Seamless"), 1008 Atlantic ave., Brooklyn, N. Y.
Gibson Mfg. Co., Danbury, Conn.
Rauscher, John, 98 W 7th, St. Paul, Minn.
Scranton Button Co. (Electroid), Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stokes, Jos. Rubber Co., Trenton, N. J.
Vulcanized Rubber Co., 488 B'way, New York
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Telephone Parts

Buescher Band Instrument Co., Elkhart, Ind.
Sumter Telephone Mfg. Co., Sumter, S. C.
Tucker, Frank S. & Co., 1 Hartford, Boston, Mass.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Telephone Pins

Gurthie Tuck Mfg. Co., Homer City, Pa.

Telephone Pole Changer

Current Electric Co. ("Standard"), Butler bldg, Chicago, Ill.
Holtzer-Cabot Electric Co. (Rotary), Brookline, Mass.
Sandwich Pole Changer Co. ("Illinois" "Sandwich"), Sandwich, Ill.
Warner Electric Co. (For Ringing Telephones), Muncie, Ind.

Telephone Poles

(See Poles, Various Kinds; also Ties, Poles & Posts)

Telephone Protectors

American Electric Fuse Co. ("American"), Muskegon, Mich.
Central Telephone & Electric Co., 2135 Lucas av, St. Louis, Mo.
Cook, F. B. ("Cook"), 288 W Lake, Chicago, Ill.
D & W FUSE CO., Providence, R. I. (See adv. index, end of book)
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Keystone Electric Telephone Co., 822 5th av, Pittsburg, Pa.
Sumter Telephone Mfg. Co., Sumter, S. C.

Telephone Receiver Shells

American Enamel Co., Providence, R. I.
American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Dickinson Mfg. Co., Springfield, Mass.
Electrose Mfg. Co., 127 N 10th, Brooklyn, N. Y.
General Insulate & Machine Co., 1008 Atlantic av, Brooklyn, N. Y.
Gibson Mfg. Co., Danbury, Conn.
Scranton Button Co. (Electroid), Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stokes, Jos. Rubber Co., Trenton, N. J.
Vulcanized Rubber Co., 488 B'way, New York
Wilkie Rubber Mfg. Co., Saugus, Mass.

Telephone Receivers

American Hard Rubber Co., 9 Mercer, New York
Central Telephone & Elec. Co., St. Louis, Mo.
Chicago Electric Mfg. Co., 60 W Van Buren, Chicago, Ill.
Dean Electric Co., Elyria, O.
Dickinson Mfg. Co., Springfield, Mass.
Electric Goods Mfg. Co., Boston, Mass.
Ericsson, L. M. Telephone Mfg. Co., Buffalo, N. Y.
Farr Telephone Construction Supply Co., 118 W Jackson boul, Chicago, Ill.
Holtzer-Cabot Electric Co., Brookline, Mass.
International Telephone Co., 111 W Harrison, Chicago, Ill
Kellogg Switchboard & Supply Co., W Congress & Green, Chicago, Ill.
Murdock, W. J. Co., Chelsea, Mass.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Peirce Specialty Co., Elkhart, Ind.
Sumter Telephone Mfg. Co., Sumter, S. C.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Electric Co. (Hand & Head), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Western Telephone Mfg. Co., 50 W Jackson boul, Chicago, Ill.

Telephone Relay Shells

Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.

Telephone Ringing Apparatus

North Electric Co. (Harmonic Ringers), 408 St. Clair av, N W, Cleveland, O.
Roth Bros. & Co., Loomis & Adams, Chicago, Ill.
Vote-Berger Co. ("V-B," etc.), La Crosse, Wis.
Warner Electric Co., Muncie, Ind.
Western Telephone Mfg. Co., 42 W Jackson boul, Chicago, Ill.

Telephone Testing Sets

Holtzer-Cabot Electric Co. (Lineman's), Brookline, Mass.

Telephone Transmitter Arms

Baird Mfg. Co., 1592 N Halsted, Chicago, Ill.
Barr, W. J. Elec. Mfg. Co., Cleveland, O.
Ericsson, L. M. Telephone Mfg. Co, Buffalo, N. Y.
Green Tel. & Electric Mfg. Co., Milwaukee, Wis.
Holtzer-Cabot Electric Co., Brookline, Mass.
International Telephone Mfg. Co., c Clinton, & Harrison, Chicago, Ill.
McDowell Mfg. Co., Pittsburg, Pa.

Telephone Transmitters

Andrae, Julius & Sons Co., 225 W Water, Milwaukee, Wis.
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Gail-Webb Mfg. Co. ("Gail-Duplex"), Buffalo, N. Y.
Kellogg Switchboard & Supply Co., 251 S Green, Chicago, Ill.
Moore's Telephone System, Caro, Mich.
North Electric Co., 408 St. Clair av, N. W., Cleveland, Ohio
Stromberg-Carlson Tel. Mfg. Co. ("Warrell"), Rochester, N. Y.
Sumter Telephone Mfg. Co., Sumter, S. C.
Vote-Berger Co., La Crosse, Wis.
Western Telephone Mfg. Co. (For Switchboards, etc.), 42 W Jackson boul, Chicago, Ill.
Williams Telephone & Supply Co., Cleveland, Ohio

Telephone Woodwork

(See Telephone Cabinet Work; also Woodwork, Electrical)

Telephone & Telegraph Protective Apparatus

American Electric Fuse Co., Muskegon, Mich.

Telephones (Interior)

Acme Electric & Telephone Co., 71 W Jackson boul, Chicago, Ill.
Altman & Co., 69 Dearborn, Chicago, Ill.
American Watchman's Time Detector Co., 234 B'way, New York
Century Telephone Construction Co., Buffalo, N. Y.
Chicago Electric Mfg. Co. (Automatic Intercommunicating), 60 W. Van Buren, Chicago, Ill.
Corwin Telephone Co., 117 S Clinton, Chicago, Ill.
Clark Automatic Telephone Switchboard Co. (Automatic), Providence, R. I.
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Ericsson Telephone Co., 108 Duane, New York
Garl Electric Co., Akron, O.
Holtzer-Cabot Electric Co. (Also for Schools & Apartment Houses), Brookline, Mass.
Direct Line Telephone Co. ("Direct Line" Secret Service), 810 B'way, New York
Kalley Electric Co., 409 Elm, Cincinnati, O.
Keystone Electric Telephone Co., 822 5th av, Pittsburg, Pa.
Manhattan Electrical Supply Co., 17 Park pl, New York, & 188 5th av, Chicago, Ill.
New York Telephone Co., 18 Cortlandt, New York
Partrick, Carter & Wilkins Co., 22nd cor Wood, Phila., Pa.
Pettes & Randall Co., 150 Nassau, New York
Sumter Telephone Mfg. Co., Sumter, S. C.
United States Electric Protection & Construction Co. (Inc.) ("Bruckner"), 220 B'way, New York
United States Electric Protection & Construction Co. ("Bruckner"), 38 E 8th, New York
Vove-Berger Co., La Crosse, Wis.

Telephones (Mine)

Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.

Telephones (Pendant)

Vove-Berger Co., La Crosse, Wis.

Telephones & Apparatus

(See also Switchboards, Telephone)

Ackerman, Boland Tel. Co. (Inter-Communicating), 166 S Clinton, Chicago, Ill.
Acme Telephone & Mfg. Co., Albia, Iowa
American Automatic Telephone Co., Urbana, O.
American Electric Telephone Co. ("Samson" 6-Bar Bridging), 64th & State, Chicago, Ill.
American Machine Telephone Co., Piqua, O.
Andrae, Julius & Sons Co., Milwaukee, Wis.
Archer, G. F. (Celebrated Automatic, Inter-Communicating), 39 Cortlandt, New York
Arnold, S. G. Mfg. Co., 254 W 62d, Chicago, Ill.
Augusta, Bowen Mutual Telephone Co., Augusta, Ill.
Augusta Mutual Telephone Co., Augusta, Ill.
Automatic Electric Co., 286 W Van Buren, Chicago, Ill.
B. B. Electric & Tel. Mfg. Co., Kansas City, Mo.
Bainbridge Electric Co., 267 7th, Phila., Pa.
Baird Mfg. Co. ("Norstrom"), 1592 N Halstead, Chicago, Ill.
BUNNELL, J. H. & CO., Park Pl. & Church, New York. (See adv. index, end of book)
Central Telephone & Electric Co., 2135 Lucas av, St. Louis, Mo.
Century Telephone Construction Co., Buffalo, N. Y.
Chicago Electric Mfg. Co., 60 W Van Buren, Chicago, Ill.

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hicago Telephone Supply Co., Elkhart, Ind.
hicago Writing Machine Co., Galesburg, Ill.
hurcher Elec. & Mfg. Co., Cincinnati, O.
lark Automatic Telephone Switchboard Co., Providence, R. I.
olumbia Electric Co., Knightstown, Ind.
ommercial Electrical Supply Co., Pine & 15th, St. Louis, Mo.
onnecticut Telephone & Electric Co. (Inc.), (Interior & Long Distance), Meriden, Conn
orwin Telephone Mfg. Co., 143 S Clinton, Chicago, Ill.
ouch, S. H. Co., 156 Purchase, Boston, Mass.
ouch & Seeley Co., 10 Thacher, Boston, Mass.
ountry Home Telephone Mfg. Co., 215 S Clinton, Chicago, Ill.
raft-Leich Electric Co., Genoa, Ill.
Dean Electric Co., Elyria, O.
De Veau Telephone Mfg. Co. ("De Veau," Automatic Switchless), 32 Park pl, New York
Direct Line Telephone Co., 810 B'way, New York
Electric Goods Mfg. Co., 115 Purchase, Boston, Mass.
Elliott Telephone Co., Indianapolis, Ind.
Ericsson L. M. Telephone Mfg. Co., Buffalo, N. Y.
Ericsson Telephone Co., 108 Duane, New York
Farr Telephone & Construction Supply Co., 118 W Jackson boul, Chicago, Ill.
Garl Electric Co. (Intercommunicating Long Distance Desk, Hotel, Factory & Store, Portable Street Railway, etc.), Akron, O.
Garrett, Miller & Co., Wilmington, Del.
Green Telephone & Elec. Mfg. Co., Milwaukee, Wis.
Hepburn Telephone Mfg. Co., 65 Plymouth pl, Chicago, Ill.
Hogrebe, Edwin C. & Co., Cincinnati, O.
Holtzer-Cabot Electric Co., Brookline, Mass.
Independent Telephone Mfg. Co., Madison, Wis.
Interstate Elec. Mfg. Co., Sioux City, Iowa
Inland Electric Co., St. Louis, Mo.
Kellogg Switchboard & Supply Co., Green & Congress, Chicago, Ill.
Kusel Telephone & Elec. Mfg. Co., St. Louis, Mo.
Long Distance Telephone Mfg. Co., South Bend, Ind.
McWade, Wm. J., 101 Clinton, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York, & 188 5th av, Chicago, Ill.
Menominee Elec. & Mfg. Co., Menominee, Mich.
Milwaukee Telephone & Mfg. Co., Milwaukee, Wis.
Minnesota Electric Co., Minneapolis, Minn.
Modern Electric Co., Burlington, Iowa
Monarch Telephone Mfg. Co., 270 Washington boul, Chicago, Ill.
North Electric Co., Cleveland, O.
Oliver Mfg. Co., 1020 Walnut, Phila., Pa.
Radio Telephone Co., 49 Exchange pl, New York
Reliance Telephone & Mfg. Co., Butler, Pa.
Rhode Island Telephone & Electric Co., Providence, R. I.
Richmond Co., Oshkosh, Wis.
Russell Electric Co., Danbury, Conn.
Sandwich Electric Co. (Straight Line Telephones), Sandwich, Ill.
Signalphone Co., Milwaukee, Wis.
Simplex Interior Telephone Co., Cincinnati, O.
Spencer Electrical Co., 163 Greenwich, New York
Standard Mfg. Co. ("Crown"), Bridgeport, Conn.
Sterling Electric Co., Lafayette, Ind.
Stromberg-Carlson Telephone Mfg. Co. (& Construction Material), Rochester, N. Y., & 72 W Jackson boul, Chicago, Ill.
Sumter Telephone Mfg. Co., Sumter, S. C.
Swedish-American Telephone Co., 1700 E Ravenswood Park, Chicago, Ill.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Viaduct Co., Relay, Md.
Vote-Berger Co., La Crosse, Wis.
Western Telephone Mfg. Co., 185 W Jackson boul, Chicago, Ill.
Wilhelm Telephone Mfg. Co., Buffalo, N. Y.
Wire & Telephone Co. of America, Rome, N.Y.

Telescopes

(See also Binoculars, Telescopes & Marine Glasses)

Allen, R. L., Providence, R. I.
Bausch & Lomb Optical Co. (Rifle), Rochester, N. Y.
Bausch, Lomb & Stagmuller Co., Rochester, N. Y.
Clark, Alvin & Son (Astronomical), Cambridge, Mass.
Cummings, Lawson C. (Rifle), Montpelier, Vt.
Goers, C. P. Optical Works, 52 Union Sq, New York
Gundlach Manhattan Optical Co., Rochester, N. Y.
Leeds & Northrup Co. (Reading), 4901 Stenton av, Gtm., Phila., Pa.
Malcom Rifle Telescope Co. (Rifle), Auburn, N. Y.
Modern Telescope Bag Co., Portland, Ore.
Spencer Optical Co., 31 Maiden lane, New York
Stevens, J. Arms & Tool Co. (Rifle), Chicopee Falls, Mass.
Warner & Swasey Co. (Binoculars, etc.), Cleveland, O.

Telescopes (Reading)

Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.

Telpherage (Electric Conveying)

Dodge, J. M. Co., Nicetown, Phila., Pa.
United Telpherage Co., 20 Broad, New York

Tempering to Order

Barnes, Wallace Co., Bristol, Conn.
FISCHER, CHAS. SPRING CO., 89-90 Walker, New York. (See adv. index, end of book)

Ten Pins

Estes, E. B. & Sons, 74 Warren, New York
Hawes-Laanna Co., Towanda, Pa.
Hellenberg & Son, Coldwater, Mich.
McMillan's, W. H. Sons, 153 South, New York

Tennis Racquet Handle Covers

Goodrich, B. F. Co., Akron, O.

Tennis Racquet Mfrs.

Bancroft, Fred'k J., Pawtucket, R. I.
Bridgeport Athletic Mfg. Co., 18 W. 30th, New Water, Chicago, Ill.
Horsman, E. I. Co., 365 B'way, New York
Slazenger, F. L., 8 W 28th, New York
Spalding, A. G. & Bros., 120 Nassau, New York
Wright & Ditson, Boston, Mass.

Tents for Railroad Contractors

ARKANSAS.

FORT SMITH—Tucker Duck & Rubber Co.
LITTLE ROCK—Little Rock Tent & Awning Co.

COLORADO.

DENVER—Colorado Tent & Awning Co.
Denver Tent & Awning Co.

ILLINOIS.

CHICAGO—**CARPENTER, GEO. B, & Co.**, 202 S Water. (See adv. index, end of book)
Channon, H. Co., 32 Market
Cook, E. C. & Bro., 49 E Kinzie
Delta Mfg. Co., 80 S Canal
Lieb, P. & Co., 19 W Randolph
Murray Co., 61 W Wash'n
Murray Tent & Awning Co., 7 S Union
U. S. Tent & Awning Co., Randolph & Desplaines
ELGIN—Zeigler Bros.
PEORIA—Peoria Tent & Awning Co., 119 Main

INDIANA.

INDIANAPOLIS—Indianapolis Tent & Awning Co.

IOWA.

SIOUX CITY—McNeil, H. OC. & Son

MINNESOTA.

MINNEAPOLIS—American Tent and Awning Co.
KANSAS CITY—Baker & Lockwood Mfg. Co.
Carnie-Goudie Mfg. Co.
Kansas City Tent & Awning Co.
ST. LOUIS—American Tent & Awning Co., Chestnut & 2d
Babtiste Tent & Awning Co., 612 N 3d
Dougbery Bros. Tent & Awning Co., 218 Market
Globe Tent & Awning Co., 19 S 10th
Missouri Tent & Awning Co., Chestnut & 2d
Morrison Tent & Awning Co., 115 Olive
Mound City Duck & Rubber Co., 616 N 3d
Sanders Duck & Rubber Co., 805 Wash'n av
Wensel, Herman, Main cor Elm
Zittlosen Mfg. Co., 310 Elm

NEW YORK.

NEW YORK—Bauman, Chas. R., 86 South
Harrison, John (Est. of), 170 South
Harwood & Son (Also Export), 175 W Bway
Hopkins, Jno. C. & Co., 119 Chambers
McHugh, John F., 106 W 37th
Magee, M. & Son, 147 Fulton
Martin, Thomas, 326 Canal
Rehm & Co., 141 Fulton
Skelton, Frederick, 681 6th av

OHIO.

COLUMBUS—Columbus Awning & Tent Co.
McAuley, J. A. Tent & Awning Company
Sellars Tent & Awning Co., State & Centre sts

OREGON.

PORTLAND—Ames & Harris
Portland Tent & Awning Co.

TENNESSEE.

MEMPHIS—Bluff City Tent & Awning Co., 315
Lee Bros. 2d
Memphis Tent & Awning Co., 200 Main
Owens Tent Co., 276 Front

Terazzo Flooring

(See also Mosaics of Various Kinds)

BATTERSON & EISELE, Main Office & Works, Edgewater, N. J., & Times bldg, 42d, New York. (See adv. index, end of book)
Cascio, S., 797-803 Lexington av, Brooklyn, N.Y.
CURRIER, E. BRADLEY CO., 119 W. 23d, & 114 W. 24th, New York. (See adv. index, end of book)
Davis Marble Co., 214 S. 24th, Phila., Pa.
Empire City Marble Co., 90 West, New York
Federal Tile Co., 131 W. 24th, New York
Italian Marble Mosaic Co., 481 Spruce, Phila., Pa.
Mion Bros., Atlanta, Ga.
McLaury, D. H. Marble Co., Walnut av, n 141st, New York
Marcus Bros. Co., Memphis, Tenn.
Murdock-Shaw Co., Boston, Mass.
Schoone Mosaic Co., 234 E 6th, Cincinnati, O.
Shipway, John H. & Bro., Locust av & 136th, New York
White Marble & Terazzo Co., Lee, Mass.

Terazzo (Wholesale)

Jackson, O. D., 105th & E. R., New York
Roessel, Chas. J., 524 W 50th, New York

Terminals (Fuse)

(See Terminals, Telephone Cable)

Terminals (Service)

Phila. Electrical & Mfg. Co., 1234 N 31st, Phila., Pa.

Terminals (Sparking Plug)

MORSE, FRANK W. ("Morse Eureka"), 516 Atlantic av, Boston, Mass. (See adv. index, end of book)

Terminals (Telephone Cable)

American Electric Fuse Co. ("American"), Muskegon, Mich.
American Electric Telephone Co., 64th & State, Chicago, Ill.
Bissell, F. Co. ("Security"), Toledo, O.
Central Tel. & Electric Co., St. Louis, Mo.
Cook, Frank B. (All Metal), 239 W Lake, Chicago, Ill.
Harvard Electric Co., Chicago, Ill.
International Telephone Mfg. Co., 111 W Harrison, Chicago, Ill.
Moon Mfg. Co., 49 S Canal, Chicago, Ill.
Mountain State Electrical Co. ("Hall"), Wheeling, W Va.
Protective Electrical Supply Co., Fort Wayne, Ind.
Sterling Electric Co., Lafayette, Ind.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

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Terminals (Wire)

Bliss-Chester Co. (Duplex), 31 Mathewson, Providence, R. I.
Briggs, W. H., 424 Bedford av., Brooklyn, N. Y.
Herz & Co., 295 Lafayette, New York
Mosler, A. R. & Co., 1679 B'way, New York
Never-Miss Spark Plug Co., Lansing, Mich.
Noonan Tool & Machine Works, Rome, N. Y.
Peerless Machine Co., Detroit, Mich.
Pittsfield Spark Coil Co., Dalton, Mass.
Shain, Charles D., 70 Murray, New York
Springlight Terminal Co., Lansing, Mich.

Terra-Alba

Hammill & Gillespie, 240 Front, New York
Higginson Mfg. Co., Newburgh, N. Y.
Keystone Plaster Co. (For Paint Mfrs.), Sales Office, Phila., Pa. Works, Chester, Pa.
King, J. B. & Co., 1 B'way, New York
Nevins, Sam'l Co., 100 S 2d, Phila., Pa.
Salomon, L. A. & Bro., 213 Pearl, New York

Terra Cotta (Architectural)

American Terra Cotta & Ceramic Co., Chicago, Ill., & Terra Cotta, Ill.
Atlanta Terra Cotta Co., Atlanta, Ga.
Atlantic Terra Cotta Co., 1170 B'way, New York
Brick Terra Cotta & Tile Co., Corning, N. Y.
Carnegie Brick & Pottery Co., Montgomery blk, San Francisco, Cal.
CARTER, BLACK & AYERS (Inc.) (Mfrs.' Agts.), 1 Madison av, New York. (See adv. index, end of book)
CINCINNATI WALL TIE CO. (Mfrs.' Agents), 206 E 5th, Cincinnati, O. (See adv. index, end of book)
Clark, N. & Sons, 17 Spear, San Francisco, Cal.
Conkling-Armstrong Terra Cotta Co., 24 S 7th, Phila., Pa., & 1133 B'way, New York
Denny-Renton Clay & Coal Co., Seattle, Wash.
FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flatiron bldg, New York. (See adv. index, end of book)
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works, Lincoln, Cal.
Indianapolis Terra Cotta Co., Brightwood, Indianapolis, Ind
Ketcham, O. W. (Mfrs. Agt.), 24 S 8th, Philadelphia, Pa.
Maryland Terra Cotta Co., Wicomico & Clare, Baltimore, Md.
NEW JERSEY TERRA COTTA CO., 108 Fulton, New York. (See adv. index & branch offices, end of book)
New York Arch'l Terra Cotta Co., 225 5th av, New York, & Long Island City, N. Y.
N. K. Terra Cotta Co., Bradford, Pa.
Northern Clay Products Co., Auburn, Wash.
NORTHWESTERN TERRA COTTA Co., Main Office & Works, 1000 Clybourn av. Branch Office, 1415 Railway Exchange, Chicago, Ill. (See adv. index, end of book)
Orchard Knob Clay Works Co., Ironton, O.
SOUTH AMBOY TERRA COTA CO., Spruce & Nassau, New York. Works, South Amboy, N. J. (See adv. index, end of book)
Southern Terra Cotta Works, Atlanta, Ga.
Standard Terra Cotta Works, 1170 B'way, New York
Steiger Terra Cotta & Pottery Works, San Francisco, Cal.
THOMAS, E. H. (Mfrs.' Agent), 1123 B'way, New York
Washington Brick, Lime & Mfg. Co., Spokane, Wash
White, Scott A. (Mfrs.' Agt., Northwestern), 811 Lewis blk, Pittsburg, Pa
WINKLE TERRA COTTA CO., 503 Century bldg, St. Louis, Mo.; Works: Cheltenham, St. Louis, Mo. (See adv. index, end of book)

Terra Cotta (Architectural Enameled or Glazed)

Atlantic Terra Cotta Co., 1170 B'way, New York
FISKE & COMPANY (Inc.), 25 Arch, Boston, Mass., & Flat Iron Bldg., New York. (See adv. index, end of book)
Gladding, McBean & Co., San Francisco, Cal Works, Lincoln, Cal.
Grueby Faience Co., E 1st & K, Boston, Mass
Hartford Faience Co, Hartford, Conn.
NEW JERSEY TERRA COTTA CO., 108 Fulton, New York. (See adv. index & branch offices, end of book)
N. K. Terra Cotta Co., Bradford, Pa.
NORTHEASTERN TERRA COTTA Co., Bradford, Pa. (See adv. index, end of book)
NORTHWESTERN TERRA COTTA Co., Main Office & Works, 1000 Clybourn av. Branch Office, 1415 Railway Exchange, Chicago, Ill. (See adv. index, end of book)
Rochester Sewer Pipe Co., Rochester, N. Y.
SOUTH AMBOY TERRA COTTA CO., Spruce & Nassau, New York. Works, South Amboy, N. J. (See adv. index, end of book)
WINKLE TERRA COTTA CO., Century bldg, St. Louis, Mo; Works: Cheltenham, St. Louis, Mo. (See adv. index, end of book)

Terra Cotta Hip Rolls

(See Roofing Tile, Terra Cotta)

Terra Cotta Lumber

(See Fire Proof Hollow Tile; also Fire Proofing, Porous Brick & Tile)

*Terra Cotta (Polychrome & Faience)

ATLANTIC TERRA COTTA CO., 1170 B'way, New York. Factories: Tottenville, S. I., N. Y.; Perth Amboy, N. J., & Rocky Hill, N. J. (See adv. index & branch of fices, end of book)
FISKE & COMPANY (Inc.), 25 Arch, Devonshire, Boston, Mass., & Flatiron bldg, New York. (See adv. index, end of book)
NEW JERSEY TERRA COTTA CO., 108 Fulton, New York. (See adv. index & branch offices, end of book)
NORTHWESTERN TERRA COTTA Co., Main Office & Works, 1000 Clybourn av. & branch office, 1415 Railway Exchange, Chicago, Ill. (See adv. index, end of book)
SOUTH AMBOY TERRA COTTA CO., Spruce & Nassau, New York. Works, South Amboy, N. J. (See adv. index, end of book)
WINKLE TERRA COTTA CO., Century bldg, St. Louis, Mo.; Works: Cheltenham, St. Louis, Mo. (See adv. index, end of book)

Terraflor

Southern Fullers Earth Co. (Bleaching Clay for Oils, Petroleum, etc.), Warren, Pa.

Terrazzo

(See Terazzo Flooring, Etc.)

Testers (Battery)

Roberts Instrument Co. ("Robert" Pocket), Detroit, Mich.

Testers (Cable)

Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.

*Testers (Center)

STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Testers (Coffee)

Stortz, John & Son, 210 Vine, Phila., Pa.

Testers (Creamery)

Burrell, D. H. & Co. ("Facile" & "Babcock"), Little Falls, N. Y.
Creamery Package Mfg. Co. ("Wizard"), 182 E Kenzie, Chicago, Ill.
Dairy Specialty Co. ("Babcock"), Westchester, Pa.
Edson, Wyman L., Union Center, N. Y.
Fargo Creamery Supply House ("Victor & Ideal Babcock"), Lake Mills, Wis.
Jones, Frank L., Utica, N. Y.
Polar Creamery Co. ("Fowlers" Improved), Lafayette, Ind.
Sharpless Separator Co. (Russian Standard & "No-tin," "Babcock"), West Chester, Pa.
Vermont Farm Machine Co. ("Agos," "Babcock"), Bellows Falls, Vt.
Zero Creamery Co., Peru, Ind.

Testers (Flax Seed and Cotton Seed)

Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.

*Testers (Fruit Can)

BLISS, E. W. CO., 19 Adams, Brooklyn, N. Y. (See adv. index, end of book)

Testers (Grain)

Buffalo Scale Co., Buffalo, N. Y.
Caldwell, H. W. & Son Co. ("Caldwell"), 17th & Western av, Chicago, Ill.
Chicago Scale Co., Chicago, Ill.
Fairbanks Co., 186 Lafayette, New York
Howe Scale Co., Rutland, Vt.

Testers (Ham)

(See Tryers, Ham)

Testers (Mine Gas)

Quimby Engineering Co., 913 Ridge av, Phila., Pa.

Testers (Paper)

Illinois Iron & Bolt Co. ("Southworth" Hydrostatic), Carpentersville, Ill.
Olsen, Tinius & Co., 500 N 12th, Philadelphia, Pa.
Perkins, B. F. & Son ("Mullen"), Holyoke, Mass.

Testers (Syrup)

NATIONAL GAUGE CO., 108 8th, Brooklyn, N. Y. (See adv. index, end of book)
Schaeffer & Boudenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

*Testing Apparatus (Ventilator)

QUEEN & CO. (Inc.), N. W. c. 8th & Arch, Phila., Pa. (See adv. index, end of book)

*Testing Instruments & Meters (Electrical)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)
QUEEN & CO. (Inc.), n w c 8th & Arch, Phila., Pa. (See adv. index, end of book)

Testing Sets (Electrical)

Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.

Testing Laboratories

(See Laboratories, Testing)

Testing Machine Mfrs.

(For All Testing Machines See Index of Contents)

Tetrachloride of Tin

Bower, Henry Chemical Mfg. Co., 29th & Gray's Ferry rd., Philadelphia, Pa.

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onsult the Index of Contents. If not
ccessful in locating it, drop us a line.
ng article required, and we will, free
ge, use our best efforts to look it up

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Jno. W. Co., Lawrence, Mass.
N BELTING CO., 260 Devon-
, Boston, Mass. (See adv. index, end of book)
ercha & Rubber Mfg. Co., 120 Dunne, New York
, Geo. S. & Son, 53 State, Boston, Mass.
ar Spring & Rubber Co., Jersey City, N. J.

Aprons (Leather)

e number consult Index of Contents)

pron Leather (Raw Hide)

m. & Co. ("Excelsior"), S Attleboro, Mass.

pron Leather (Worsted)

os. Co., Providence, R. I.
m. & Co. ("Excelsior"), S Attleboro, Mass.
Chas. A. & Co., 30 Ferry, New York

Aprons (Loom)

red W. & Co., 2 Planet, Providence, R. I.
F. Co., 7 Crawford, Providence, R. I.

ons (Worsted Combing)

Multiple Fabric Co., Providence, R. I.
o. W. Co., Lawrence, Mass.
enry K., 104 Franklin, Boston, Mass.
n. & Co. ("Excelsior"), S. Attleboro, Mass.
reet, Providence, R. I.
Geo. S. & Son, 53 State, Boston, Mass.
BELTING CO. (Sheepskin), 3
pl., Worcester, Mass. (See adv index, end of book)
Lowell, Mass.
. W., 31 S 3d, Philadelphia, Pa.

Bale Breakers

Co. ("Asa Lees & Co.," Ltd.), 79 Milk, Boston, Mass.
Bullough Am. Machine Co., Ltd., Pawtucket, R. I.

Baling Presses

(See Presses)

Balling Machines

rbie Machine Co., Worcester, Mass.
Hopedale, Mass.
C. Co., Lowell, Mass.
& Co., 65 Franklin, Boston, Mass
Woolen Machinery Co., Philadelphia, Pa
rbush Machine Co. ("Furbush"), Phila., Pa.
. Co., 18 Davis, East Newark, N. J.

Winding Machines

bine Co., Providence, R. I.

ding & Cutting Machines

s., Cohoes, N. Y.

Banding

ee Braided Banding)

anding Machines

pproved Inman Automatic Loop) Pawtucket, R. I.
Weeks"), Hopedale, Mass.
s H., Worcester, Mass.
H., Worcester, Mass.

ands (Hosiery)

ee Hosiery Bands)

Baskets (Mill)

(See Index of Contents)

Beamers

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Atwood-Morrison Co., Stonington, Conn.
Butterworth, H. W. & Sons Co., 2415 E York Phila., Pa.
Cole Bros., Pawtucket, R. I.
Entwistle, T. C. Co., Lowell, Mass.
Globe Machine & Fdry. Co., Fkd., Phila., Pa
Hughes & Russum, Frankford, Philadelphia Pa
Lever, Oswald, Lehigh av & Mascher, Phila. Pa
Smith, Jas. Woolen Mach. Co., 411 Race Phila., Pa.
Smith & Furbush Machine Co. ("Furbush") Phila., Pa.
Whittle, James H. (Single or Double). Worcester, Mass.

Beaming Rathes

Allen, A. W., 2427 Mascher, Phila., Pa.
Walker Mfg. Co., 191 Berks, Phila., Pa.

Belt Dressing

(See Page 61)

Belt Hole Guards

Draper Co., Hopedale, Mass.

Belting

(See Page 62)

Blacking Machinery

Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Collyer Mach. Co., Pawtucket, R. I.
Kitson Machine Co., Lowell, Mass.

Bleachers (Knit Goods)

Rowland, Sam'l, Schuylkill Haven, Pa.

Bleaching Machinery

American Drying Machine Co., 3301 N. 19th, Phila., Pa.
Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
Empire Laundry Machinery Co., Boston, Mass.
Holyoke Machine Co., Holyoke, Mass.
Hopkins Machine Works (Inc.) (Peroxide), Bridgeton, R. I.
Hunt, Rodney, Machine Co., Orange, Mass.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Philadelphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Smith, Drum & Co., 2303 Coral, Phila., Pa.
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
Textile Finishing Machinery Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.
Winsor & Jerauld Mfg. Co., Providence, R. I.
Worcester Steam Boiler Works ("Klers"), Worcester, Mass.
Yaryan Co., 41 Park row, New York

Blowers

(See Page 74)

Bluing Machines

Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machinery Co., Providence, R. I.

Bobbin Holders

Draper Co. ("Lawrence," "Rhoades"), Hopedale, Mass
Roney & Rae Co. ("Little Giant"), Woonsocket, R. I
Murdock & Geb Co. ("Murdock" for Mules, Winders & Twisters), Franklin, Mass.

Bobbin Rings

Morgan Spring Co., Worcester, Mass.

Bobbin Winders

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Lever, Oswald, Lehigh av & Mascher, Phila.,
R. I. Braiding Machine Co., Providence, R. I.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.
Textile Machine Works, Reading, Pa.
Tompkins Bros. Co., Troy, N. Y.
Whittle, Jas. H., Worcester, Mass.

Bobbins

Allentown Bobbin Works (Steel), Allentown, Pa.
American Supply Co., Providence, R. I.
Arnold Bobbin Co., Dayville, Conn.
Baker, Michael & Sons, Jonnsville, N. Y.
Baldwin, Jas. Co., Manchester, N. H.
Billington, Jos. H. & Co., 113 Chestnut, Phila., Pa.
Blaisdell's Novelty Wks, Rome, N. Y.
Bobbin & Spindle Works, Charleston, S. C.
Brown Bros. Co., Providence, R. I.
Chester Mfg. Co., Chester, Mass.
Clark Bobbin Co., Winchendon, Mass.
Cover Leaf Mfg. Co., Carbondale, Pa.
Coburn, Fred. S., 243 Main, Woonsocket, R. I.
Courtney, D. S., Chicopee, Mass.
Dudley, Sumner A., Taunton, Mass.
Eaton, Hy. A., Littleton, N. H.
Eaton, Isaac Co., Nashua, N. H.
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., Fall River Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Fletcher Mfg. Co., Providence, R. I.
Gale, C. M., Landoff, N. H.
Georgia Spool & Bobbin Mfg. Co., Macon, Ga.
Hall, I. A. & Co., Paterson, N. J.
Hall & McCrillis, Groton, Vt.
Hartford Machine Screw Co. (Sewing Machine), Hartford, Conn.
Hartson, L. M. Co. (Iron, Fibre & Wood Heads), North Windham, Conn.
Hebbard, Arthur (In Rough), Shelburne, N. H.
Hoyle, Jos. Bobbin Co., Woonsocket, R. I.
Lyndon Mfg. Co., Athens, Ga.
McGuire, Jno. A., Clermont, N. H.
Mallard Lumber & Construction Co., Greenville, S. C.
Mawson Bros. (Silk), Newtown, Pa.
Mawson Spool & Bobbin Co., Lestershire, N. Y.
Moore, J. G., Lisbon, N. H.
Murray, Chas. O., Nashua, N. H.
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.
New England Shuttle Co., Lowell, Mass.
Ohio Valley Pulley Works, Maysville, Ky.
Orleans Bobbin Co., Newport, Vt.
Parker & Young Co., Lisbon, N. H.
Parkinson, E. Co., Saxonville, Mass.
Payne, Geo. W. Co. (Hosiery Winder), Pawtucket, R. I.
Potter Bros., South Scituate, R. I.
Sherwood Bobbin & Mfg. Co., Greensboro, N. C.
Southern Spool & Bobbin Co., Greensboro, N. C.
Southern Shuttle & Bobbin Co., Westminster, S. C.
Speed & Stephenson (Wilson & Co., Barnsley, (Ltd.), 170 Summer, Boston, Mass.
Sprague, L. Co., Lawrence, Mass.
Sweet & Doyle, Cohoes, N. Y.
Tibbetts, E. L. & Co., Locke's Mills, Me.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weld Bobbin & Spool Co., 42 Island, Lawrence,
Wilbur, Benj., South Scituate, R. I. Mass.
Williams, J. H. Co., Utica, N. Y.
Wisconsin Textile Mfg Co., Two Rivers, Wis.
Woodstock Hardwood & Spool Mfg. Co. (Heavy for Rope & Cordage, etc.), Charleston, S. C.

Box Shooks

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Boxes (Drawing & Roving)

Lowell Machine Shop, Lowell, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Speed & Stephenson, 170 Summer, Boston, Mass.

Boxes (Mill)

American Vulcanized Fibre Co. (Laminar Dept.), 1017 Market, Wilmington, Del.
Diamond State Fibre Co., Elsmere, Del.
Lowell Machine Shop, Lowell, Mass.
Spaulding-Perkins Co., Rochester, N. H.

Boxes (Steam)

Textile Finishing Machinery Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.
Worcester Steam Boiler Works, Worcester, Mass.

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Braid Calendering Machines

Rhode Island Braiding Machine Co., Providence, R. I.

Braid Rolling Machines

Rhode Island Braiding Machine Co., Providence, R. I.

Braided Banding

(See also Cotton Bandings)

Buffalo Weaving & Belting Co., Buffalo, N. Y.
Covel & Osborn Co., 139 Pleasant, Fall River, Mass.
Frost, Geo. T. & Sons, Paterson, N. J.
Hoffman-Corr Mfg. Co., 55 White, New York
Holden, Jas., Fall River, Mass.
Lambeth Rope Corporation, New Bedford, Mass.
Moore, C. & Co., 500 Market, Phila., Pa.
Small Bros., Fall River, Mass.
Speed & Stephenson ("Wm. Haighe's"), 170 Summer, Boston, Mass.
Toohey, M. J. & Co., Fall River, Mass.

Braiders (Packing)

Rhode Island Braiding Machine Co., Providence, R. I

Braiding Machinery

New England Butt Co., Providence, R. I.
Rhode Island Braiding Mach. Co., Providence, R. I.
Textile Machine W'ks, Reading, Pa.

Breaking Machines (Hard Waste)

Curtis & Marble Machine Co., Worcester, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.

Breasts (Metallic)

Smith, James Woolen Machinery Co., Philadelphia, Pa.
Smith & Furbush Machine Co., Philadelphia, Pa.

Brushes (Mill)

Bradley & Smith, 251 Pearl, New York
Cincinnati Mfg. Co., 211 Walnut, Cincinnati, O.
Columbia Napper Clothing Co., Lawrence, Mass.
Edwards, Henry & Co., Lowell, Mass.
Felton, S. A. & Son Co., Manchester, N. H.
HEARTLEY MACHINE, VARIETY IRON & Tool Works (Mill Cloth Cleaning Brushes), Toledo, O. (See adv. index, end of book)
Jacobus, A. G., Verona, N. J.
Labne, M. M. & Co., Lowell, Mass.
Leavens, Murphy & Co., 28 Exch, Boston, Mass.
Mason Brush Works, Worcester, Mass.
Nehes, David, 256 Lawrence, Lowell, Mass.
North Chelmsford Machine & Supply Co. (Comb & Machine), North Chelmsford, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Rhode Island Braiding Machine Co., Providence, R. I.
Rhode Island Brush Co., Providence, R. I.
Turner, J. S. Mfg. Co. (Comb & Machine), Lowell, Mass
Voelker, Philip L., 921 Westminster, Providence, R. I.
Wild, Joseph, Fall River, Mass.

Brushing Machines

(See Cloth Brushing Machines)

Burling Irons

American Supply Co., Providence, R. I.

Burr Blades

Ames, David J. & Co., Philmont, N. Y.
Cooper, Chas., Bennington, Vt.
Crane Mfg. Co., Lakeport, N. H.
Jarrard Needle Works, New Brunswick, N. J.
Tompkins Bros. Co., Troy, N. Y.

Burring Machines

Arthur Co., 188 Front, New York
Brown Cotton Gin Co., New London, Conn.
Curtis & Marble Machine Co., Worcester, Mass.
Hemmingway Machine Co., Lynn, Mass.
Ganbert Mfg. Co., 85 Liberty, New York
Lombard Machine Co. (Steel Ring), Worcester, Mass
Sargent's, C. G. Sons, Westford, Mass.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa
Smith & Furbush Machine Co. ("Proctor"), Philadelphia, Pa.

Buttonhole Machines

Champion Buttonhole Machine Co., 10 High, Boston, Mass.
Lufkin, John W., 88 Chardon, Boston, Mass.
National Machine Co., Mamaroneck, N. Y., & Troy, N. Y
Reece Buttonhole Machine Co., Boston, Mass.
Singer Sewing Machine Co., 149 Broadway New York
Standard Sewing Machine Co., Cleveland, O.

Calendering Machines

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Calico Printers' Machinery

Arlington Machine Works, Arlington Heights, Mass.
Butterworth, H. W. & Sons Co., Phila., Pa.
Frankford Machine Works, Frankford, Phila., Pa.
Taunton-New Bedford Copper Co., New Bedford, Mass.
Textile Finishing Machinery Co., Providence R. I.
Waldren, Jno. Co., New Brunswick, N. J.
Watson Machine Co., Paterson, N. J.

Cans (Cotton)

New England Ventilating & Heating Co., Providence, R. I.

Cans (Drying)

New England Ventilating & Heating Co, Providence, R. I.
Whittle, Jas. H., Worcester, Mass.

Cans (Dye House)

Hill, James Mfg. Co., Providence, R. I.

Cans (Mill)

Clark, W. J. Co., Salem, O.
Durlach, I., 54 Vesey, New York
Iron Clad Mfg. Co., 22 Cliff, New York
N. E. Ventilating & Heating Co., Manton av, Providence, R. I.

Cans (Oil)

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Cans (Roving)

(See Roving Cans)

Carbonizers

American Drying Machinery Co., Westmoreland, & P. & R. Ry., Phila., Pa.
Bamford & Smith, Pascoag, R. I.
Blanding, C. L. Mfg. Co., Providence, R. I.
Hudson Fibre Co., Hudson, N. Y.
Hunt, Rodney Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., N. Adams, Mass.
Lord, Bowler & Co., 83 Center, Cleveland, O
Philadelphia Drying Machinery Co. ("Cyclone"), Phila., Pa
Smith & Furbush Machine Co., Philadelphia, Pa.
Sargent's, C. G. Sons, Westford, Mass.
Textile Finishing Machinery Co., Providence, R. I.

Card Attachments

Kip-Armstrong Company (Electrical Warp Stop Motion), Pawtucket, R. I.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.

Card Clothing

American Card Clothing Co., Worcester, Mass.
Ashworth Bros., Fall River, Mass.
Bagshaw, W. H. (Est. of), Lowell, Mass.
Beckwith Card Co., Stafford Springs, Conn.
Booth, Benj. & Co. (Ltd.), 1717 N Bodine Philadelphia, Pa.
Bowes, L. M. Co. (Imported), 451 Atlantic av Boston, Mass
Crabb, Wm. & Co., Newark, N. J.
English, C. R. Co., 301 Congress, Boston, Mass.
Firth, Wm. Co. (Yates & Sons & Sykes Bros.), 79 Milk, Boston, Mass.
Howard Bros. Mfg. Co., 42 Vine, Worcester, Mass.
Jefferson, Edw. & Bro., 127 S 2d, Phila., Pa.
Leicester Card Clothing Co., Leicester, Mass.
Leigh, Evan Arthur (Joseph Sykes Bros.' & Critchley's), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
McKerrow, H. G. & Co., 31 State, Boston, Mass.
Riley, C. E. & Co. (Jno. Whitely & Sons & L. M. Tetlow & Sons), 65 Franklin, Boston, Mass.
Southern Card Clothing & Reed Co., Charlotte, N. C.
Speed & Stephenson ("S. Halley & Sons," Ltd.), 170 Summer, Boston, Mass.
Stoddard, Haserick, Richards & Co., 182 Congress, Boston, Mass
Stott, S. E. & T., Lowell, Mass.
Street, R. R. & Co., 186 Washington, Chicago, Ill
Sykes, Jos. Bros., Charlotte, N. C.

Card Cutting Machines

Mason Machine Works, Taunton, Mass.
Royle, John & Sons (Jacquard), Paterson, N. J.
Whittle, Jas. H., Worcester, Mass.

Card Grinder Wheels

Stillman-Randall Machine Co., Westerly, R. I.

Card Grinding Machines

Barker, James, 6th cor Cayuga, Philadelphia, Pa.
Entwistle, T. C. Co., Lowell, Mass.
Firth, Wm. Co. (Dronsfield), 179 Milk, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Riley, C. E. & Co. (Mfrs.' Agts.), 65 Franklin, Boston, Mass.
Roy, B. S., Worcester, Mass.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.

Card Middles

MacSim Bar Paper Co., Otsego, Mich.
Otsego Coated Paper Co., Otsego, Mich.

Card Repeaters (Jacquard)

Halton's, Thos. Sons, Allegheny av & C, Philadelphia, Pa.
Royle, John & Sons (French Index & Fine Scale Repeaters), Paterson, N. J.
Schaum & Uhlinger, North Penn Junc., Philadelphia, Pa.

Card Stitching Machines (Jacquard)

Singer Sewing Machine Co., 149 B'way, New York

Card Stretchers

Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.

Carders' Tools

Brown, W. H., Worcester, Mass.
Roy, B. S., Worcester, Mass.

Cards (Cotton)

Billington, Jas. & Co., 113 Chestnut, Phila., Pa.
Fall River Foundry & Machine Co., Fall River, Mass.
Franklin Machine Co., Providence, R. I.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Pevey Bros., Lowell, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Mach. Works, Whitinsville, Mass.

Cards (Felt)

Whittle, Jas. H., Worcester, Mass.

Cards (Foss & Pevey)

Fall River Foundry & Machine Co., Fall River, Mass.
Pevey Bros., Lowell, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.

Cards (Hand)

Beckwith Card Co. (Stripping), Stafford Springs, Conn.
Columbia Napper Clothing Co., Lawrence, Mass.
Howard Bros. Mfg. Co. (Stripping) 42 Vine, Worcester, Mass.
Smith, Jas. Woolen Machinery Co., Phila., Pa.
Watson, L. S. Mfg., Leicester, Mass.

Cards (Jacquard)

Case Bros., Highland Park, Conn.
Rogers Paper Co., South Manchester, Conn.

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Cards (Revolving Flat)

. Wm. ("Ass Lees & Co.," Ltd.), 79 Milk, Boston, Mass.
rd & Balloughs Am. Mach. Co. (Ltd.), Pawtucket, R. I.
Stephen C., 186 Devonshire, Boston.
l Machine Shop, Lowell, Mass. Mass.
rrow, H. G. & Co., 31 State, Boston, Mass.
C. E. & Co., 65 Franklin, Boston, Mass.
& Pettee Machine Shops, Newton Upper Falls, Mass.
n Machine Works, Whitinsville, Mass.

Cards (Roll)

le, Jas. H., Worcester, Mass.

Cards (Simplex)

rd, Haserick, Richards & Co., 152 Congress, Boston, Mass.

ards (Steel Wire Stripper)

. L. S. Mfg. Co., Leicester, Mass.

Cards (Woolen & Worsted)

an Card Clothing Co., Worcester, Mass.
n, Edw. & Bro., 127 S 2d, Phila., Pa.
as. & Sons Co., Bridgeport, Pa.
d Machine Co., Worcester, Mass.
C. E. & Co. ("Jno. Haigh & Sons," Ltd.), 65 Franklin, Boston, Mass.
Jas. Woolen Machinery Co., Philadelphia, Pa.
Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Stephenson ("Henry Hirst & Sons," Ltd.), 170 Summer, Boston, Mass.
L. S. Mfg. Co., Leicester, Mass.
James H. ("Henderson's"), Worcester, Mass.

Carpet Machinery

Jacob K., 2816 N 4th, Phila., Pa.
Clinton, 5 Summer, Worcester, Mass.
rth, H. W. & Sons Co., 2415 N York. Phila., Pa.
& Knowles Loom Works, Worcester, Mass.
Marble Machine Co., Worcester, Mass.
Textile Machine Works, C & Westmoreland, Phila., Pa.
dy. & Machine Works, Phila., Pa.
Edw. & Bro., 127 S 2d, Phila., Pa.
Woolson Mach. Co., Springfield, Vt
Haserick, Richards & Co., 152 Congress, Boston, Mass.

arpet Printing Machine

Jno. Co., New Brunswick, N. J.

rpet Rolling Machines

acob K., 2816 N 4th, Phila., Pa.
arble Machine Co., Worcester, Mass.

Chenile Machines

o. Mach. Wks., 629 Filbert, Phila., Pa.

Chinchilla Machines

R. & Son, Raritan, N. J.
rnes H., Worcester, Mass.

hroming Machines

Drying Machinery Co., 3301 N. 19th, Phila., Pa.
Drying Machinery Co., 6721 Germantown av, Phila., Pa.

Clogs (Dye House)

os., 1940 N. Front, Phila., Pa.

Cloth Boards

Cady, Geo. L. & Sons, Lowell, Mass.
Case Bros., Highland Park, Conn.
Chaffee Bros. Co., Oxford, Mass.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Shryock, J. K., 19 S. 7th, Phila., Pa.
Thompson, Jas. A., Lowell, Mass.

Cloth Brushing Machines

Ardey, S. B. & Sons, Bristol, Pa.
Birmingham Iron Fdy., Derby, Conn.
Butterworth, H. W. & Sons Co., Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Jones, Lewis, 60½ Media, Pa.
McCleary, Edw'd, Coboes, N. Y.
Parks & Woolson Machine Co., Springfield, Vt.
Textile Finishing Machinery Co., Providence.
Thayer, P. E. Co., Pawtucket, R. I. R. I.
Whittle, James H., Worcester, Mass.

Cloth Calendering Machines

(See also Calendering Machines)

Afton Machine Co., Harrison, N. J., & 126 Liberty, New York
Arthur Co., 188 Front, New York
Butterworth, H. W. & Sons Co., Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Dennis, Jno. Co., Lowell, Mass.
Kilburn, Lincoln & Co. (Inc.), Fall River, Mass.
Lowell Machine Shop, Lowell, Mass.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Terhune, J. I., 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), Providence, R. I.

Cloth Cutting Machines

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Dennis, Jno. & Co., Lowell, Mass.
Eastman Machine Co., Buffalo, N. Y.
Maimin, H. ("Ballard," Electric), The Bourse, Philadelphia, Pa.
Universal Cutter Co. (Electric), St. Louis, Mo.
Wildman Mfg. Co. (Electric), Norristown, Pa.

Cloth Expanders (Mycock's)

Leyland, Thos. & Co., 53 India, Boston, Mass.

Cloth Folding Machines

(See Folding Machines, Cloth)

Cloth Inspecting Machines

Curtis & Marble Machine Co., Worcester, Mass
Eddy, Geo. B., 398 Madison, New York
Woonsocket Machine & Press Co., Woonsocket, R. I.

Cloth Measuring Machines

Allyn, C. B. Machine Co. (Combination measuring & winding), 315 Dearborn, Chicago, Ill
Berlin Machine Works, Beloit, Wis., & 149 B'way, New York
Butterworth, H. W. & Sons Co., Phila., Pa.
CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Curtis & Marble Machine Co., Worcester, Mass.
Eastwood, Benjamin, Paterson, N. J.
Elliott & Hall, Worcester, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Parks & Woolson Machine Co., Springfield, Vt
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Textile Finishing Machinery Co., Providence, R. I.
Textile Machinery Works, Reading, Pa.
Voelker, Geo. W. & Co., Woonsocket, R. I.
Windle, J. E., Worcester, Mass.

Cloth Pressing Machines

Beach-Russ Co., 59 Greene, Brooklyn, N. Y.

Cloth Rolling Machines

Berlin Machine Works, 149 B'way, New York
Butterworth, H. W. & Sons Co., Phila., Pa.
Curtis & Marble Mach. Co., Worcester, Mass.
Textile Finishing Machinery Co., 17 Exchange pl. Providence, R. I.
Whittle, James H., Worcester, Mass.

Cloth Room Sewing Machines

Singer Sewing Mach. Co., 149 B'way, New York

Cloth Stamping Machines

Lowell Machine Shop, Lowell, Mass.

Cloth Stretchers

American Finishing Machinery Co. (New Bristle), 45 Milk, Boston, Mass.
Birch Bros., Somerville, Mass.
Butterworth, W. H. & Sons Co., Phila., Pa.
Luther, C. A. & Co., Pawtucket, R. I.
Textile Finishing Machinery Co., Providence, R. I.
Whittle, James H., Worcester, Mass.

Combs, Circles & Fallers

Bagshaw, W. H. (Est. of), Lowell, Mass.
Bradford Wool Comb Co., 2630 Mascher, Phila., Pa.
Bragg, Jno. L., Providence, R. I.
Crabb, Wm. & Co., Newark, N. J.
Crompton & Knowles Loom Works, Worcester, Mass.
Hood, R. H., 1842 Gtn av, Phila., Pa.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lowe, Stephen C. (Jno. Hetherington & Sons), 186 Devonshire, Boston, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Speed & Stephenson ("F. H. Bentham's"), 170 Summer, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Stott, Sam'l E. & T., Lowell, Mass.
Townsend, Thomas, 157 Orange, Providence, R. I.
Turner, J. S. Mfg. Co., 398 Middlesex, Lowell, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.

Combs (Cotton)

Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lowe, Stephen C., 186 Devonshire, Boston, Mason Machine Works, Taunton, Mass. Mass.
Providence Machine Co., Providence, R. I.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

Combs (Doffer)

Barker, James, 6th cor Cayuga, Phila., Pa.
Firth, Wm. Co., 79 Milk, Boston, Mass.
Providence Machine Co., Providence, R. I.
Smith, James, Woolen Machinery Co., Philadelphia, Pa.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.
Whittle, James H., Worcester, Mass.

Combs (Slasher)

American Supply Co., Providence, R. I.
Emmons Loom & Harness Co., Lawrence, Mass.
Fitzgerald Loom Reed Co., N 2d & Diamond, Phila., Pa.
Gowdey, J. A. Reed & Harness Mfg. Co., Providence, R. I.
Loom Reed & Harness Co., Charlotte, N. C.
McGregor & Sons, Fall River, Mass.
Southern Card Clothing & Reed Co., Charlotte, N. C.
Textile Finishing Machinery Co., Providence, R. I.
Walker Mfg. Co., 191 Berks, Phila., Pa.

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"Every manufacturer has his own particular problems. If these problems are related to cloth cutting in any way, shape or form, we shall be glad to solve them."

—Cameron Machine Company

CAMERON MACHINE COMPANY
61 Poplar St. BROOKLYN, N. Y.
MAKERS OF
CUTTING MACHINES
FOR CLOTH AND PAPER

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Combs (Weavers)

Sylvester, C. F. & Co., Fall River, Mass.

Combs (Wool)

Austin, M. E. & Co., Lawrence, Mass.
Bagshaw, W. H. (Est. of), Lowell, Mass.
Bradford Wool Comb Co., 2630 Mascher, Phila., Pa.
Bragg Jno. L., Providence, R. I.
Crompton & Knowles Loom Works, Worcester, Mass.
Hood, R. H., 1842 Gtn. av, Phila., Pa.
Lombard Machine Co., Worcester, Mass.
Jefferson, Ed. & Bro., Phila., Pa.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Miller, Wm., Providence, R. I.
Riley, C. E. & Co., 67 Franklin, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Townsend, Thomas, 157 Orange, Providence, R. I.

Compass Boards

Crompton & Knowles Loom Works, Worcester, Mass.
Royle, John & Sons, Paterson, N. J.

Compellators

Turner, J. S. Mfg. Co., 398 Middlesex, Lowell, Mass.

Condensers

(See Index of Contents)

Cone Tubes

(See Cop Tubes)

Conveyors (Pneumatic)

Buffalo Forge Co., Buffalo, N. Y.
Green Fuel Economizer Co., Matteawan, N. Y.
Kitson Machine Shop, Lowell, Mass.
Schnitzler, Chas. H., 215 N. 2d, Phila., Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.

Conveyors (Waste End)

New England Ventilating & Heat Co., Providence, R. I.
Rushton-Carroll Co. ("Robinson & Conley's"), Providence, R. I.

Cop Skewers

(See Skewers)

Cop Tube Machinery

Eppler, Jno. Mach. Wks., 629 Filbert, Phila., Pa.

Cop Tubes (Paper)

Brown, Jas., Jr., Manayunk, Phila., Pa.
Douglas, Robt. D., Fall River, Mass.
Fraprie-Douglas Co., Fall River, Mass.
Jacobs, A. L. Co., 127 Federal, Boston, Mass.
Lowell Paper Tube Co., Lowell, Mass.
McCausland, Jno. E., Providence, R. I.
Pairpoint Corporation, New Bedford, Mass.
Sayford Paper Specialty Co., Camden, N. J.
Taylor, Chas. F., 15 Custom, Providence, R. I.
Textile Tube Co., Fall River, Mass.

Cop Tubes (Tin)

Getchell, S. S. & Son, Woonsocket, R. I.

Cop Winders

(See Winders, Cop)

Copper Work (Dyers')

BADGER, F. B. & SONS CO., 75 Pitts. Boston, Mass. (See adv. index, end of book)
Grebenzik, H. & Son, N Paterson, N. J.
North River Copper Works, 68 Hudson, Jersey City, N. J.
Rome Metal Co., Rome, N. Y.
Taunton-New Bedford Copper Co.
Textile Finishing Machy. Co., Providence, R. I.
Whittle, James H., Worcester, Mass.
Wilson, D. H. & Co., 279 Dutton, Lowell, Mass.

Corduroy Cutting Machines

Firth, Wm. Co. (Cotton Cord & Velvet Cutting Machine Co.'s), 79 Milk, Boston, Mass.

Cotton Bandings

(See also Braided Banding)

Am. Supply Co., Providence, R. I.
Briggs, H. A. & Co., Pawtucket, R. I.
Chase, F. A. & Co., Providence, R. I.
Covel & Osborn Co., Fall River, Mass.
Cider, Jas., 4411 Baird, Germantown, Phila., Pa.
Hodson, John M., Orionna & Willow, Phila., Pa.
Hoffman-Corr Mfg. Co., 55 White, New York
Hooper, Wm. E. & Sons, Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Russell Mfg. Co., Middletown, Conn.
Small Bros., Fall River, Mass.

Cotton Batting Machinery

Franklin Machinery Co., Providence, R. I.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

Cotton Cord Cutting Machines

Firth, Wm. Co. (Cotton Cord & Velvet Cutting Machine Co.'s), 79 Milk, Boston, Mass.

Cotton Machinery

(See also the Particular Article Required)

Abbott, J. V. Mfg. Co., Dedham, Mass.
Altemus, Jacob K., 2816 N 4th, Philadelphia, Pa.
Atherton, A. T., Machine Co., Pawtucket, R. I.
Brigham, Arthur A., 17 Milk, Boston, Mass.
Brockway & Meckenstrum Mach. Co., Moosup, Conn.
Brownell, G. L., 49 Union, Worcester, Mass.
Butterworth, H. W. & Sons Co., Phila., Pa.
Clark, J. Machy. Co. (Dealers), Lowell, Mass.
COHOES IRON FOUNDRY & MACHINE Co. (Slashing Machinery of Every Description), Cohoes, N. Y. (See adv. index, end of book)
Compton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine C., Worcester, Mass.
Dana, Geo. R. (Dealers), Lowell, Mass.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Draper Co., Hopedale, Mass.
Duckrow, R. A. (Dealer), Troy, N. Y.
Easton & Burnham Machine Co., Pawtucket, R. I.
Entwistle, T. C. Co., Lowell, Mass.
Gales & Jenks Machine Co., Pawtucket, R. I.
Fall River Foundry & Machine Co., Fall River, Mass.
Franklin Machine Co., Providence, R. I.
Firth, Wm. Co. (Asa Lees & Co.'s), 79 Milk, Boston, Mass.
Howard & Bullough American Machine Co. (Ltd.), Pawtucket, R. I.
Jefferson, Edw. & Bro., 127 S 2d, Phila., Pa.
Hughes & Russum, Fkd., Phila., Pa.
Kilburn, Lincoln & Co., Fall River, Mass.
Kitson Machine Co., Lowell, Mass.
Lazenby, F. A. & Co., Bush & Wicomico, Baltimore, Md.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lowe, Stephen C., 186 Devonshire, Boston.
Lowell Machine Shop, Lowell, Mass.
McKerrow, H. G. & Co., 31 State, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Nat'l Machy. Co. (Dealers), Providence, R. I.
Parks & Woolson Mach. Co., Springfield, Vt.
Payne, Geo. W. Co., Pawtucket, R. I.
Providence Mach. Co., Providence, R. I.
Riley, C. E. & Co., 67 Franklin, Boston, Mass.
Saco & Pettee Machine Works, Newton Upper Falls, Mass.
Sargent's, C. G. Sons, Graniteville, Mass.
Schofield, Geo. L., 123 N. Front, Phila., Pa.
Scott, Jas. (Dealer), 241 Chestnut, Phila., Pa.
Smith, Geo. E. (Dealers), Cohoes, N. Y.
Speed & Stephenson, 170 Summer, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Universal Winding Co., 95 South, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Whitinsville Spinning Ring Co., Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

Cotton Softeners

Arabol Mfg. Co., 155 William, New York
Arnold, Hoffman & Co. (Inc.), Providence, R. I.
Draper, J. O. Co., Pawtucket, R. I.
Rosson & Lane (Atlantic), Boston, Mass.
Corey, S. J. Co., 273 Congress, Boston, Mass.
Excelsior Wool Oil Compound Co., Cincinnati, Ohio
Fox, Chas. J., 313 S Phillip, Phila., Pa.
Harding & Fancourt, 235 N Front, Philadelphia, Pa.
Holbrook Mfg. Co., 470 Wash'n, New York
Lowe & Dilworth, 44 N Delaware av, Phila., Pa.
Wilmington Oil Co. (Inc.), Wilmington, Del.

Cotton Waste

(See Index of Contents)

Counters (Spindle Speed)

Draper Co., Hopedale, Mass.

Crabbing Machines

Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., Phila., Pa.
Hunter, Jas. Machine Co., N Adams, Mass.
Textile Finishing Machinery Co., 17 Exchange pl, Providence, R. I.

Creels

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Lever, Oswald (Spool, for Warping Mill for Lace Looms), Lehigh & Mascher, Phila., Pa.
Smith, Jas. Woolen Machinery Co., Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.

Creels (Dresser)

Whittle, James H. (Connor Patent), Worcester, Mass.

Crochet Machines (Red Blanket)

Merrow Machine Co., Hartford, Conn.

Crocheting Machinery

Berlin Machine Works, 140 B'way, New York
Merrow Machine Co., Hartford, Conn.
National Automatic Knitter Co., 123 N. 8th, Phila., Pa.

Cuff Machines (Flat Ribbed)

Pepper Mfg. Co., Lakeport, N. H.

Cut Markers

Butterworth, H. W. & Sons Co., Phila., Pa.
Draper Co., Hopedale, Mass.
Textile Finishing Machinery Co., 17 Exchange pl, Providence, R. I.

Cutters (Automatic Peg & Lace Hole)

Royle, John & Sons, Paterson, N. J.

Cutters (Carpet)

Reed Mfg. Co. (Foot & Belt Power), Springfield, Ohio

Cutters (Chenille)

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Lever, Oswald, Lehigh av & Mascher, Phila., Pa.

Cutters (Cloth)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Eastman Machine Co., 45 N Division, Buffalo, N. Y.
Warth, A. (Est. of), Stapleton, S. I., New York

Cutters (Flock)

Curtis & Marble Machine Co., Worcester, Mass.

Cutters (Gusset)

Utica Novelty & Hill Specialty Co., Utica, N. Y.

Cutters (Knit Fabric)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Kennedy, Thos. & Son, Cohoes, N. Y.
Langston, Sam'l M., 9th ab Market, Camden, N. J.
Oswego Machine Works (Neil Gray, Jr., Propl.), Oswego, N. Y.
Parsons, Henry & Son, Marlboro, Mass.
Universal Cutter Co., 4565 Scott av., St. Louis, Mo.
Wildman Mfg. Co. (Cloth also), Norristown, Pa.

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Cutters (Plush)

AMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. Index, end of book)
ennis, Jno. & Co., Lowell, Mass.

Cutters (Rag)

urtis & Marble Machine Co., Worcester, Mass.

Cutters (Rib)

attle Machine Works, Cohoes, N. Y.
AMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. Index, end of book)
oper, Charles, Bennington, Vt.
ildman Mfg. Co., Norristown, Pa.

Cutters (Velvet)

AMERON MACHINE CO., 61 Poplar, B'klyn, N. Y. (See adv. Index, end of book)

Cylinders (Knitting Machine)

nson Machine Co., 506 N. American, Phila., Pa.
nton, H. & Co., 213 Race, Phila., Pa.
ok, Stephen S., 624 Race, Phila., Pa.
ton & O'Neil, 541 N. 3d, Phila., Pa.
fford & Holt, Little Falls, N. Y.

Cylinders (Slasher)

HOES IRON FOUNDRY & MACHINE Co., Cohoes, N. Y. (See adv. Index, end of book)
enzik, H. & Son, North Paterson, N. J.
lin, D. W. & Co., Lowell, Mass.
ile Finishing Machinery Co., Providence, R. I.
ttle, James H. (Copper), Worcester, Mass.
on, D. H. & Co., 279 Dutton, Lowell, Mass.

Cylinders (Spinning)

Jas. Mfg. Co., Providence, R. I.
tle, James H. (Tin), Worcester, Mass.

Cylinders (Tin)

England Ventilating & Heating Co., Providence, R. I.
hell, S. S. & Son, Woonsocket, R. I.

inders & Dials (Forged Steel)

Stephen S., 624 Race, Philadelphia, Pa.

nders & Dials (Knitting Machine)

chael, A., 22 Armat, Phila., Pa.
, Geo. B. & Co., 2316 N 8th, Phila., Pa.

Dampening Machines

an Moistening Co., 79 Milk, Boston.
Bros., Somerville, Mass.
Mass.
& Marble Machine Co., Worcester, Mass.
n, D. R. & Son, Raritan, N. J.
Finishing Machinery Co., Providence, R. I.

Dobbies

-Morrison Co., Stonington, Conn.
on-Thayer Loom Co., Worcester, Mass.
od. Benj. Co. (Silk), Paterson, N. J.
Machine Works, Taunton, Mass.
John & Sons, Paterson, N. J.
Co., Readville, Mass.
, Geo. W. & Co., Woonsocket, R. I.

Dobby Chains

. P., Sutton, Mass.

Doublers

n Machine Co. (For Silk Mills), Paterson, N. J
-Morrison Co. (Worsted), Stonington, Conn.
Marble Machine Co., Worcester, Mass
d. Benj. Co. (Silk), Paterson, N. J.
Finishing Machinery Co., Providence, R. I.
Machine Works, Reading, Pa.

Dressers (Cotton)

Machine Works, Whitinsville, Mass.
James H., Worcester, Mass.

Dressers (Thread)

Luther, C. A. & Co., Pawtucket, R. I.

Dressers (Warp)

Philadelphia Textile Machinery Co. ("Furbush"), Phila., Pa
Smith, Jas., Woolen Machinery, 411 Race, Phila., Pa
Smith & Furbush Machine Co., 17 Exchange pl, Providence, R. I.
Textile Finishing Machinery Co., Providence, R. I.

Dressers (Wool)

Butterworth, H. W. & Sons Co., 2405 E York, Phila., Pa.

Dressers (Yarn)

Franklin Machine Co., Providence, R. I.
Luther, C. A. & Co., Pawtucket, R. I.
Whittle, James H., Worcester, Mass.

Drop Wires

Blackstone Reed & Harness Co., Pawtucket.
Brooks, M. S. & Sons, Chester, Conn. R. I
U. S. Bobbin & Shuttle Co., Providence, R. I.

Dry Poles (Enameled) for Silk Dyers

American Enamel Co., Providence, R. I.

Dryers (Carpet)

Butterworth, W. H. & Sons Co., 2415 E York Philadelphia, Pa
Curtis & Marble Machine Co., Worcester, Mass

Dryers (Cloth)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Butterworth, H. W. & Sons Co., 2405 E York Philadelphia, Pa
Green Fuel Economizer Co., Matteawan, N. Y & 1218 West Street Bldg., New York
Kenyon, D. R. & Son, Raritan, N. J.
Philadelphia Drying Machinery Co. ("Hurricane"), 6721 Germantown av, Phila., Pa
Philadelphia Textile Machinery Co. ("Cyclone"), Phila., Pa.
Sturtevant, B. F. Co., Hyde Park Mass.
Textile Finishing Machinery Co., Providence R. I
Whittle, Jas. H. (Of All Widths) Worcester Mass.

Dryers (Cotton)

American Drying Machinery Co., Westmoreland & P. & R. Ry., Phila., Pa.
Kitson Machine Shop (Raw Stock Cotton), Lowell, Mass
Philadelphia Drying Machinery Co. ("Hurricane"), 6721 Germantown av, Phila., Pa
Philadelphia Textile Machinery Co. ("Cyclone"), Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Sargent's, C. G. Sons, Westford, Mass.

Dryers (Hair)

Philadelphia Drying Machinery Co. ("Hurricane"), 6721 Germantown av, Phila., Pa.

Dryers (Hot Air Apron)

Smith, Jas. Woolen Machinery Co., 411 Race, Phila., Pa.

Dryers (Skein)

Whittle, James H. (New Rotating), Worcester, Mass.

Dryers (Underwear)

American Drying Machinery Co., Westmoreland & P. & R. Ry., Phila., Pa.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Green Fuel Economizer Co., Matteawan, N. Y. & 1218 West Street Bldg., New York
Philadelphia Drying Machinery Co. ("Hurricane"), 6721 Germantown av, Phila., Pa
Philadelphia Textile Machinery Co. ("Cyclone"), Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Sturtevant, B. F. Co., Hyde Park Mass.
Utica Novelty & Mill Specialties Co. (Knit Goods in the Roll), Utica, N. Y.

Dryers (Warp)

Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Clark, George P., Windsor Locks, Conn.
Textile Finishing Machinery Co., Providence, R. I.

Dryers (Wire Top)

Smith, James Woolen Machinery Co., 411 Race, Philadelphia, Pa.

Dryers (Wool)

American Blower Co., Detroit, Mich.
American Drying Machinery Co., Westmoreland, & P. & R. Ry., Phila., Pa.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West Street Bldg, New York
Hunter, James, Machine Co. ("Stone"), N. Adams, Mass.
Kitson Machine Co., Lowell, Mass.
Lorimer, Jno. H., Walnut la. Gtn., Phila., Pa.
National Blower Works, 17th & St. Paul av, Milwaukee, Wis.
Philadelphia Drying Machinery Co. ("Hurricane"), 6721 Germantown av, Phila., Pa.
Philadelphia Textile Machinery Co. ("Cyclone"), Phila., Pa.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Sargent's, C. G. Sons, Westford, Mass.
Smith, James Woolen Machinery Co., Phila., Pa.
Sturtevant, B. F. Co., Hyde Park Mass.
Whittle, James H., Worcester, Mass.

Dryers (Yarn)

American Drying Machinery Co., Westmoreland, & P. & R. Ry., Phila., Pa.
Bailey, Frank (Hot & Cold Air), Cedar Brook, N. J.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West Street Bldg, New York
Hopkins Machine Works (Inc.), Bridgeton, R. I.
Philadelphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Philadelphia Textile Machinery Co. ("Cyclone"), Phila., Pa.
Sargent's, C. G. Sons, Westford, Mass.
Sturtevant, B. F. Co., Hyde Park Mass.
Vacuum Process Company, 5 State, Boston, Mass.
Whittle, James H., Worcester, Mass.

Drying Machinery

(See Dryers, Various Kinds)

Drying Machines (Print Work)

Butterworth, H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
Textile Finishing Machinery Co., 17 Exch pl, Providence, R. I.

Dust Collectors

(See Page 320)

Dusters (Rag)

Bagshaw, W. H. (Est. of), Lowell, Mass.
Gerry, Geo. & Son, Athol, Mass.
Kitson Machine Co., Lowell, Mass.
Sargent's, C. G. Sons, Westford, Mass.
Smith, James Woolen Machinery Co., Phila., Pa.
Whittle, James H., Worcester, Mass.

Dusters (Wool & Waste)

Curtis & Marble Machine Co., Worcester, Mass.
Gerry, Geo. & Son, Athol, Mass.
Hopkins Machine Works (Inc.), Bridgeton, R. I.
Hunter, Jas. Machine Co., North Adams, Mass.
Lahue, M. M. & Co., Lowell, Mass.
Lombard Machine Co., Worcester, Mass.
Sargent's, C. G. Sons, Westford, Mass.
Whittle, James H. (Improved with Fan), Worcester, Mass.

Dye Becks

Butterworth, H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
Watson Machine Co., Paterson, N. J.
Woonsocket Machine & Press Co., Woonsocket, R. I.

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Dye Kettles

(See Copper Work, Dyers')

Dye Sticks

Bailey, Frank, Cedar Brook, N. J.
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.

Dye Tubs

American Stave & Cooperage Co., 205 Charles, Boston, Mass.
Hopkins Machine Works (Inc.), Bridgeton, R. I.
Hunt, Rodney Machine Co., Orange, Mass.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Terhune, J. I. ("Fletcher's"), 164 Ward, Paterson, N. J.
Woolford, G. Wood & Tank Mfg. Co., New Land Title bldg, Phila., Pa.

Dyeing Machinery

Adams Laundry Machinery Co., Troy, N. Y.
American Drying Machinery Co. (Cloth), 2301 N 19th, Phila., Pa.
American Dyeing Machine Co., Camden, N. J.
Arlington Machine Works, Arlington, Mass.
Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
Cornell Stocking Corp., New Bedford, Mass.
Delahunty Dyeing Machine Co., Pittston, Pa.
Dubois, A. N., 2170 Sedgeley av, Phila., Pa.
Entwistle, T. C., Lowell, Mass.
Hart, Chas., Frankford, Phila., Pa.
Holyoke Machine Co., Holyoke, Mass.
Hopkins Machine Works (Inc.) (Piece), Bridgeton, R. I.
Hussong Dyeing Machine Co., Groveville, N. J.
Kenyon, D. R. & Son, Raritan, N. J.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Klipstein, A. & Co. ("Cohwen"), 122 Pearl, New York
Leigh, E. A., 232 Summer, Boston, Mass.
Lorimer, Jno. H., Walnut la, Gtn., Phila., Pa.
Philadelphia Drying Machinery Co. ("Hurricane" Circulating), 6721 Germantown av, Phila., Pa.
Rushton-Carrol Co. ("Bowers"), Providence, R. I.
Salem Iron Works, Winston Salem, N. C.
Sargent's, C. E. Sons, Westford, Mass.
Smith, Drum & Co., 2503 Coral, Phila., Pa.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Taylor & Fenn Co., 54 Arch, Hartford, Conn.
Terhune, J. I., 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co., Providence, R. I.
Vacuum Dyeing Mach. Co., Chattanooga, Tenn.
Watson Machine Co., Paterson, N. J.
Waters, D. F., 55 Wister, Germantown, Pa.

Dyeing Machines (Skein)

Riley, C. E. & Co., 65 Franklin, Boston, Mass.

Elevators (Cotton)

American Blower Co., Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Continental Gin Co. (Inc.) Birmingham, Ala., and Bridgewater, Mass.
Hersey Mfg. Co., 314 W 2d, Boston, Mass.
Jones, Dudley E. Co., Little Rock, Ark.
MORSE, WILLIAMS & CO., 32 S Broad, Philadelphia, Pa. (See adv. index, end of book)
Thomas-Fordyce Mfg. Co., Little Rock, Ark.

Elevators (Spool)

Schnitzler, Charles H., 215 N 2d, Phila., Pa.

Embroidery Machines

Ahlstrom, Q. P., 529 B'way, New York
Dubrow & Hearne Mfg. Co., 12 Wooster, New York
Home Embroidery Machine Co., Kansas City, Kan.
Parkes Machine Co., 286 Graham av, Brooklyn, N. Y.
Proctor & Teneriffe Lace Wheel Co., 757 B'way, New York

Engravers (Copper Roll)

Dunn Textile Engraving & Mfg. Co., Frankford, Phila., Pa.
Highland Engraving Co., 311 Boulevard, Passaic, N. J.
Hope, Jno. & Sons Engr. & Mfg. Co., Providence, R. I.

Engraving Machines (Print Works)

Dunn Textile Engraving & Mfg. Co., Frankford, Phila., Pa.
Hope, John & Sons, Engraving & Manufacturing Co., Providence, R. I.

Fabric Pin Ticket Machines

Automatic Pin Ticketing Machine Co., Dayton, Ohio
Saranac Machine Co. ("Advance" for Fabrics), St. Joseph, Mich.

Fabric Sizing (Glue)

HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)

Fans (Exhaust)

(See Page 417)

Feeder Clutch Attachments

Harwood, Geo. S. & Son, 53 State, Boston, Mass.

Feeders (Automatic Self-Weighing Scale)

Harwood, Geo. S. & Son ("Bramwell"), 53 State, Boston, Mass.
Smith, Jas. Woolen Machinery Co., 411 Race, Phila, Pa.

Feeds or Feeders

American Drying Machinery Co. ("Kershaw" Web Feed), Westmoreland & P. R. R., Phila., Pa.
Brown Cotton Gin Co., New London, Conn.
Clark Machine & Fdy. Co. ("Bramwell"), Franklin, Mass.
Curtis & Marble Machine Co. (Picker & Card), Worcester, Mass.
Harwood, Geo. S. & Son ("Bramwell" & "Apperly"), 53 State, Boston, Mass.
Hunter, James Machine Co., N. Adams, Mass.
Nath'l Machy. Co., Providence, R. I.
Phila. Drying Machinery Co., Phila., Pa.
Sargent's, C. G. Sons, Westford, Mass.
Schofield, Wm. Co., Manayunk, Phila., Pa.
Smith, Jas., Woolen Machinery Co., 41 Race, Phila., Pa.
Smith & Furbush Machine Co., Phila., Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Felt Machinery

Dennis, Jno. Co., Lowell, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.

Felting Machines (Cotton)

Ivens, Wm. H. Sons Co., Trenton, N. J.

Finishing Machines (Bandage)

CAMERON MACHINE CO. (Surgeons' Bandage Cutting Machines), Brooklyn, N. Y. (See adv. index, end of book)

Finishing Machines (Carpet)

Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Parks & Woolson Mach. Co., Springfield, Vt.

Finishing Machines (Cloth)

Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
CAMERON MACHINE CO. (Cloth Cutting, Folding & Measuring Machines), 61 Poplar, Brooklyn, N. Y. (See adv. index end of book)
Cavagnaro, Jno. J., 215 Centre, New York
Curtis & Marble Machine Co., Worcester, Mass.
Gessner, David, Worcester, Mass.
Palmer, I. E., Middletown, Conn.
Parks & Woolson Mach. Co., Springfield, Vt.
Rushton-Carroll Co., Providence, R. I.
Terhune, J. I., 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co., Providence.
Textile Machine Works, Reading, Pa. R. I.
Whittle, Jas. H., Worcester, Mass.
Windle, J. E., Worcester, Mass.

Finishing Machines (Knit Goods)

Excelsior Sewing Machine Co., 1216 Columbia av, Phila., Pa.
Grosser Knitting Machine Co., 200 W B'way, New York
Merrow Machine Co. (For all Kinds of Fabrics), Hartford, Conn.
Nye & Fredrick Co., 606 Arch, Phila., Pa.
National Automatic Knitter Co., 125 N 5th, Phila., Pa.
Smith, Drum & Co., 2503 Coral, Philadelphia, Pa.
Union Special Machine Co., 75 E. Kenzie, Chicago, Ill.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York

Finishing Machines (Ribbon)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

Finishing Machine (Tape)

Textile Finishing Machinery Co., Providence, R. I.

Finishing Machines (Wool & Worsted)

Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co. (Also Cotton), Worcester, Mass.
Schuchardt & Schutte (Dry Decatizing Machine), 90 West, New York
Schwartz, L. H. A. & Co. ("Paul Klug" Decating Machine), 53 State, Boston, Mass.
Stoddard, Haserick, Richardson & Co., 152 Congress, Boston, Mass.
Textile Finishing Machinery Co., Providence.
Watson Machine Co., Paterson, N. J. R. I.
Whittle, James H., Worcester, Mass.

Flax Machinery

Crabb, Wm. & Co., Newark, N. J.
Firth, Wm. Co. ("Mackie & Sons"), 150 Devonshire, Boston, Mass.
Haskell-Dawes Machine Co., 176 Federal, Boston, Mass.
Eddy, W. Plow Co., Greenwich, New York
Leigh, Evan Arthur, 232 Summer, Boston, Mass.

Fleecing Machines

(See Napping Machines)

Flock Cutters

(See Cutters, Flock)

Flyers

(See also Frames, Cotton, Fly)

Baker Machine Corp'n, New Bedford, Mass.
Buckley's, B. Son, Paterson, N. J.
Hartson, L. M. Co. (Spinners), North Windham, Conn.
Hayor, Thos. & Son, Providence, R. I.
Hopkins Mach. W'ks (Inc.), Bridgeton, R. I.
Providence Machine Co., Providence, R. I.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Smith, J. A. V., Manchester, N. H.
Smith, J. A. V. Co., 65 Franklin, Boston, Mass.
Speed & Stephenson ("Bavistow Bros."), 170 Summer, Boston, Mass.
Textile Machinery Co. ("Dana"), 60 India, Boston, Mass.
Thurston, A. G. & Son, Fall River, Mass.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Ward & Vandergrift, Elmer, N. J.
Westcott, A. W., Hopedale, Mass.

Folding Machines (Cloth)

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)
Curtis & Marble Machine Co., Worcester, Mass.
Elliot & Hall, 50 Hermon, Worcester, Mass.
Johnson, C. A., & Co., Providence, R. I.
Lowell Machine Shop, Lowell, Mass.
McCreary, Edw. M., Cohoes, N. Y.
S. C. F. Machinery Co., Nashville, Mich.

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le Finishing Machinery Co., Providence,
le, J. E., Worcester, Mass. R. I.
socket Machine & Press Co., Woonsocket, R. I.

ing & Cutting Machines (Underwear)

win, J. C., 2d & Diamond, Phila., Pa.

lding & Measuring Machines

ERON MACHINE CO. (Cloth), 61 Pop-
. Brooklyn, N. Y. (See adv. index, end of book)
& Marble Machine Co., Worcester, Mass.
& Hall, 54 Hermon, Worcester, Mass.
& Woolson Mach. Co., Springfield, Vt.
Finishing Machinery Co., Providence, R. I.

Frames (Cotton Drawing)

s, Jacob K., Phila., Pa.
Co., Hopedale, Mass.
ver Foundry & Machine Co., Fall River, Mass.
Wm. Co., 79 Milk, Boston, Mass.
in Machine Co., Providence, R. I.
d & Bullough Am. Machine Co., Ltd., Pawtucket, R. I.
Machine Shop, Lowell, Mass.
ow, H. G. & Co., Boston, Mass.
Machine Works, Taunton, Mass.
nce Machine Co., Providence, R. I.
Pettee Machine Shops, Newton Upper Falls, Mass.
Machine Works, Whitinsville, Mass.

Frames (Cotton Fly)

, Jacob K., Phila., Pa.
er Foundry & Machine Co., Fall River,
Machine Shops, Lowell, Mass. Mass.
ce Mach. Co., Providence, R. I.
Pettee Machine Shops, Newton Upper Falls, Mass.
, Haserick, Richards & Co., 152 Congress, Boston, Mass.
L. S. Mfg. Co., Paterson, N. J.
Machine Co., Whitinsville, Mass.
ket Machine & Press Co., Woonsocket, R. I.

Frames (Gassing)

. Haserick, Richards & Co., 152 Congress, Boston, Mass.

Frames (Hand Lacing)

ohn, & Sons, Paterson, N. J.

Frames (Harness)

& Knowles Loom Works, Worcester,
os. Co., Providence, R. I. Mass.
L. S. Mfg. Co., Paterson, N. J.
J. H. Co., Utica, N. Y.

Frames (Heddle)

Mfg. Co., 191 Zerkes, Phila., Pa.
L. S. Mfg. Co., Leicester, Mass.

Frames (Intermediate)

& Bullough Am. Machine Co., Ltd., Pawtucket, R. I.
ettee Machine Shops, Newton, Upper Falls, Mass.

Frames (Jack)

& Bullough Am. Mach. Co. (Ltd.), Pawtucket, R. I.
. & Co., 65 Franklin, Boston, Mass.

Frames (Redrawing)

orrison Co., Stonington, Conn.

ames (Ring Spinning)

Textile Machine Works, C & Westmoreland, Phila., Pa.
nks Machine Co., Pawtucket, R. I.
Foundry & Machine Co., Fall River, Mass.
Machine Co., Providence, R. I.
hine Shop, Lowell, Mass.
hine Works, Taunton, Mass.
Machine Co., Providence, R. I.
ttee Machine Works, Newton Upper Falls, Mass
hine Works, Whitinsville, Mass.
Machine & Press Co., Woonsocket R. I.

Frames (Roving)

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Fall River Foundry & Machine Co., Fall River, Mass.
Firth, Wm. Co., 79 Milk, Boston, Mass.
Howard & Bullough Am. Mach. Co., Ltd., Pawtucket, R. I.
McKerrow, H. G. & Co., 31 State, Boston, Mass
Providence Machine Co., Providence, R. I.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Saco & Pettee Machine Works, Newton Upper Falls, Mass
Speed & Stephenson, 179 Summer, Boston, Mass.

Frames (Slubbing)

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Firth, Wm. Co., 79 Milk, Boston, Mass.
Howard & Bullough Am. Mach.. Co. (Ltd.), Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Providence Machine Co., Providence, R. I.
Saco & Pettee Machine Works, Newton Upper Falls, Mass.

Frames (Spinning)

(See also Frames, Ring Spinning; also Frames, Wool Spinning; also Mules)

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Fall River Foundry & Machine Co., Fall River,
Flaccus, C. L., 224 N 3d, Phila., Pa. Mass.
Howard & Bullough Rm. Mach. Co. (Ltd.), Pawtucket, R. I.
Jefferson, Edw. & Bro., 127 S 2d, Phila., Pa.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

Frames (Twisting)

(See Twisters)

Frames (Wool Spinning)

(See also Mules)

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Fall River Foundry & Machine Co., Fall River, Mass.
Flaccus, C. L., 224 N 3d, Phila., Pa.
Johnson & Bassett, Worcester, Mass.
Smith, Jas., Woolen Machinery Co., 411 Race, Phila., Pa.

Fulling Mills

Hopkins Machine Works (Inc.), Bridgeton, R. I.
Hunt, Rodney Machine Co., Orange, Mass.
Hunter, James Machine Co., N Adams, Mass.
Kenyon, D. R. & Son, Raritan, N. Y.

Garnett Machines

Smith, James Woolen Machinery Co., 411 Race, Philadelphia, Pa
Smith & Furbush Machine Co. ("Proctor"), Hancock & Somerset, Phila., Pa.

Garnett & Card Machines (Combined)

Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.

Gassing Machines

Brigham, Arthur A., 17 Milk, Boston, Mass.

Gas Singeing Machines

(See Singeing Machines)

Gigs (Teasel)

Curtis & Marble Machine Co. (Gessner Patent), Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Whittle, Jas. H., Worcester, Mass.

Gill Screws

Hood, R. H., 1842 Gtn av, Phila., Pa.

Gill & Combing Pins

Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.

Gills (Preparing & Finishing

Atherton, A. T. Machine Co., Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Speed & Stephenson, 170 Summer, Boston, Mass.

Glass Rods & Bars

Mitchell-Bissell Co. (Rods for Looms), 227 Fulton, New York

Guide Wires

American Supply Co., 18 Eddy, Providence, R. I.
Blackstone Reed & Harness Co., Pawtucket, R. I.
Brooks, M. S., & Sons, Chester, Conn.
Jencks, E., Mfg. Co., Pawtucket, R. I.
Spencer Wire Co., Worcester, Mass.
Wire Goods Co., 20 Union, Worcester, Mass.

Guides (Porcelain & Enameled)

Mitchell-Bissell Co., 227 Fulton, New York

Hackle Pins

Crabb, Wm. & Co., Newark, N. J.
Lydell & Foulds Paper Co., Manchester, Conn.

Hackles

(See Combs, Circles & Fellers)

Harness Straps

Chicago Raw Hide Mfg. Co., 75 E Ohio, Chicago, Ill.
Coupe, Wm. & Co., South Attleboro, Mass.
Jacobs, E. H. Mfg. Co., Danielsville, Conn.

Harness Twine

Allen, J. & S. (Carpet Looms), Walpole, Mass.
Ballou Yarn Co., Providence, R. I.
Cranston Worsted Mills, Bristol, R. I.
Eichmann & Sternberg, 530 B'way, New York
Fawcett, Hughes, 115 Franklin, New York.
Hoffman-Corr Mfg. Co., 55 White, New York
Marshall & Co., Kearny, N. J.
Moore, C. & Co., 500 Market, Phila., Pa.
Morgan, E. A., 54 Franklin, New York
Whittier Mills, Springfield, Mass.
Williams, J. H. Co., Utica, N. Y.

Harnesses (Loom)

Allentown Reed, Harness & Hill Supply Co., Allentown, Pa.
American Supply Co., Providence, R. I.
Andrews Loom Reed & Harness Co., Spartenburg, S. C.
Blackstone Reed & Harness Co., Pawtucket,
Carruthers, Robt., Lowell, Mass. R. I.
Crabb, Wm. & Co., Newark, N. J.
Emmons Loom & Harness Co., Lawrence, Mass.
Excelsior Loom Reed Works Pawtucket, R. I.
Fowler, Henry C. Loom Harness Co., New Bedford, Mass.
Gibbs Loom, Harness & Reed Co., Clinton, Mass.
Hall, I. A. & Co., 30 Hamilton av, Paterson, N. J.
Harris, Geo. W., 199 Perkins, Lowell, Mass.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Paterson Reed & Harness Co., Paterson, N. J.
Schaum & Uhlinger, N 2d & Glenwood av, Phila., Pa.
Street, R. R. & Co., 184 Washington, Chicago, Ill.
Ulrich & Co., Paterson, N. J.
Walder, J., Paterson, N. J.
Webster Loom Harness Co., Fall River, Mass.
Wilkins, F. B. & Co., Woonsocket, R. I.
Williams, J. H. Co., Fall River, Mass.

Heck Stands

Smith & Furbush Machine Co. ("Furbush"), Phila., Pa.

Heddles

American Supply Co., Providence, R. I.
Carruthers, Robt., Lowell, Mass.
Emmons Loom Harness Co., Lawrence, Mass.
Firth, Wm. Co. ("R. Center Fils"), 179 Milk, Boston, Mass.
Hall, I. A. & Co., 30 Hamilton av, Paterson, N. J.

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Harris, Geo. W., 199 Perkins, Lowell, Mass.
Howard Bros. Mfg. Co., 42 Vine, Worcester, Mass.
Schaum & Uhlinger, N 2d st & Glenwood av, Phila., Pa.
Steel Heddle Mfg. Co., 2110 W Allegheny av, Walder, J., Paterson, N. J. Phila., Pa.
Walker Mfg. Co., 191 Berks, Phila., Pa.
Watson, L. S. Mfg. Co., Leicester, Mass.
Williams, J. H. Co., Utica, N. Y.

Heddles (Braided)

Emmons Loom & Harness Co. ("Thibaud's"), Lawrence, Mass.
Hall, I. A. & Co., 30 Hamilton av, Paterson, N. J.

Heddles (Jacquard)

American Supply Co., Providence, R. I.

Heddles (Steel)

Parkinson, E. Co. (Imported), Sarpuville, Mass.
Steel Heddle Mfg. Co., 2110 W Allegheny av, Phila., Pa.
Williams, J. H. Co., Utica, N. Y.

Heddles (Wire)

Billington, Jos. H. Co., 113 Chestnut, Phila., Pa.
Bull, Wm. C., Bennington, Vt.
Clasee, F. A. & Co., Providence, R. I.
Gibbs Loom Harness & Reed Co. ("Tempered Steel"), Clinton, Mass.
Howard Bros. Mfg. Co. (Also Twin Wire German Heddles), 42 Vine, Worcester, Mass.
Watson, L. S. Mfg. Co. (German Tinned Wire), Leicester, Mass.

Hoods (Slasher)

New England Ventilating & Heating Co., Providence, R. I.

Hooks (Reed)

Ferrari Bros. Co., Paterson, N. J.
New England Specialty Co., North Easton, Mass.

Hosiery Bands & Labels

Albright & Shenton, Reading, Pa.
Bray, J., 2045 E Fletcher, Phila., Pa.
Novelty Printing Co. (Inc.), 2041 E Susquehanna av, Phila., Pa.
Reis, G. & Bro., 640 B'way, New York

Hosiery Boards

Bull, Wm. C., Bennington, Vt.
Clarke, Geo. H. & Co., Meredith, N. H.
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.
Pearson, Jos. T., 1815 E Boston av, Kensington, Phila., Pa.
Thalheimer, A. Mfg. Co., Reading, Pa.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.

Hosiery Machines

(See Knitting Machines, Hosiery)

Hosiery Striping Attachments

American Knitting Machine Co., 56 N 6th, Phila., Pa.

Humidifying Apparatus

(See also Moistening Apparatus, Air)

American Moistening Co., 79 Milk, Boston, Mass.
BELL PURE AIR & COOLING CO., 90 West, New York
Buffalo Forge Co., Buffalo, N. Y.
Carrier Air Conditioning Co. of America, 39 Cortlandt, New York
Coburn, Fred S., Woonsocket, R. I.
Globe Moistening Co. ("Clarkson's"), Fall River, Mass
GREEN FUEL ECONOMIZER CO., Matteawan, N. Y., & 1218 West st. bldg, New York. (See adv. index & branch offices, end of book)
New England Ventilating & Heating Co., Providence, R. I.
Parks, G. M. Co. ("Turbo" Humidifier), Fitchburg, Mass.
Schutte & Koerting (For Spinning Mills, Tobacco Factories, etc.), 1231 N 12th, Phila., Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.
THOMAS & SMITH (Inc.), 17 S. Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

Hydro-Extractor Guards

Utica Novelty & Mill Specialty Co., Utica, N. Y.

Hydro-Extractors

Adams Laundry Machinery Co. (For Clothes Wringing), 1035 6th av, Troy, N. Y.
American Tool & Machine Co., 109 Beach, Boston, Mass.
Curtis & Marble Machine Co. (Horizontal), Worcester, Mass.
Empire Laundry Machinery Co., Boston, Mass.
Hagen, A. T. Co., Rochester, N. Y., & 213 S Clinton, Chicago, Ill.
Riley, C. E. & Co., 65 Franklin (Sole agts. for Thos. Broadhursts & Sons' Patent Suspended Steam Driven), Boston, Mass.
Salem Iron Works, Winston Salem, N. C.
Schaum & Uhlinger, N 2d c Glenwood av, Phila, Pa.
Textile Finishing Machinery Co., Providence.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co., Troy, N. Y.
Whittle, James H., Worcester, Mass.

Indigo Mills

Humphrey Machine Co., Keene, N. H.
Lord, Bowler & Co., 83 Center, Cleveland, O.
Lowell Machine Shop, Lowell, Mass.
Textile Finishing Machinery Co., Providence, R. I.
Townsend Furnace & Machine Shop, Albany, N. Y.

Jack Hooks

Brooks, M. S. & Sons, Chester, Conn.

Jiggers

Butterworth, H. W. & Sons Co., 2415 E York Phila., Pa
Kenyon, D. R. & Son, Raritan, N. J.
Mackenzie, Duncan & Sons, Trenton, N. J.
Malone, J. L., 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co., Providence.
Watson Machine Co., Paterson, N. J.

Jute Machinery

(See also Spinning Machinery, Jute)

Haskell-Dawes Machine Co., 176 Federal, Boston, Mass
Todd, Jos. C. (Est. of), 203 B'way, New York & Paterson, N. J

Kiers

Dillon, D. M., Fitchburg, Mass.
Jefferson, E. D., 131 State, Boston, Mass.
Wholey Boiler Works, Providence, R. I.

Knit Fabric Slitters & Rewinders

Langston, Samuel M., Camden, N. J.

Knitting Machine Attachments

Branson Machine Co., 504 N. American, Phila., Pa.
Climax Machine Co., 1753 N Howard, Phila.
Cooper, Chas., Bennington, Vt. delphia, Pa.
Sweet & Doyle, Cohoes, N. Y.

Knitting Machinery

Adams, Geo. H. & Co., Hill, N. H.
Ainslie Knitting Machine Co., Ainslie & Hunboldt, Brooklyn, N. Y
American Knitting Machine Co., 56 N 6th Phila., Pa
American Machine Works, 420 Samson, Phila. Pa
American Twist Drill Co., Laconia, N. H.
Audrey, S. B. & Sons, Bristol, Pa.
Beattie Machine Works, Cohoes, N. Y.
Boss Knitting Machine Works, Reading, Pa.
Branson Machine Co., 506 N American, Phila Pa
Brenner, Jos., N 2d cor Diamond, Phila., Pa
Brinton, H. & Co. (Seamless Ribbed Machines for All Kinds of Hosiery and Underwear). 213 Race, Phila., Pa
Burson Mfg. Co., Rockford, Ill.
Central Knitting Co. (Sweaters & Jackets). 780 Madison, Brooklyn, N. Y.
Campbell & Cline, Cohoes, N. Y.
Cook, Stephen S., 624 Race, Phila., Pa.
Cooper, Chas. (Automatic), Bennington, Vt., & Amsterdam, N. Y.
Crane Bros., Westfield, Mass.
Crane Mfg. Co., Lakeport, N. H.
Crawford Mfg. Co., New Brunswick, N. J.
Eppler, Jno. Mach Works, 629 Filbert, Philadelphia, Pa.
Excelsior Knitting Mach. Mfg. Co., Allentown, Pa.
Fisher Knitting Machine Co., Utica, N. Y.
Flexible Machine Works (Inc.), Reading, Pa.
Gearhart, Jos. E. & Son, Clearfield, Pa.
General Machine Works, York, Pa.
Gormley, Robt. W. & Co., Troy, N. Y.
Grosser Knitting Machine Co., 260 W B'way, New York
Hemphill Mfg. Co. ("Banner"), Pawtucket, R. I.
Hepworth, Jno. W. & Co., Lehigh av & Memphis, Phila., Pa.
Hodgson, E. A., Laconia, N. H.
Huse, Warren D. & Sons, Lakeport, N. H.
Ives, Loyal T., New Brunswick, N. J.
Jenckes, E. Mfg. Co. (Invincible Automatic Hosiery), Pawtucket, R. I.
Jones, Lewis, 60½ Media, Phila., Pa.
Kennedy, Thos., Cohoes, N. Y.
Keystone Knitter & Needle Co., 2600 N 6th, Phila., Pa.
Kilbourn Knitting Machine Co., New Brunswick, N. J.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Leighton Machine Co., Manchester, N. H.
Lindley, Geo. W., Germantown, Pa.
McMichael, A., Philadelphia, Pa.
Mayo, Geo. D. Machine Co. (Automatic), Laconia, N. H.
Mayo Knitting Machine & Needle Co. ("Hemphill," "Acme"), Franklin Falls, N. H.
Merrow Machine Co., 28 Laurel, Hartford, Conn.
National Automatic Knitter Co., 1020 Susquehanna av, Philadelphia, Pa.
Nye & Tredick Co., 606 Arch, Phila., Pa.
Paxton & O'Neill, 451 N. 3d, Phila., Pa.
Pearce, Geo. B. & Co., 2316 N 8th, Phila., Pa.
Pearson, W. H. & Sons, Lowell, Mass.
Pepper Mfg. Co., Lakeport, N. H.
Richter, Wolfgang, 535 N. Lawrence, Phila, Pa.
Ruth Automatic Knitting Machine Co., York, Pa.
Scott & Williams, 2079 E Cumberland, Phila., Pa.
Snyder, Homer P. Mfg. Co., Little Falls, N. Y.
Stafford & Holt, Little Falls, N. Y.
Standard Machine Co., 330 N 12th, Phila., Pa.
Steiger Machine Co., 9 Charlotte, Utica, N. Y.
Taylor, James, 835 Arch, Phila., Pa.
Textile Machine Works (Inc.), Reading, Pa.
Tiffany Bros., Bennington, Vt.
Tompkins Bros. Co., Troy, N. Y.
Trump Bros. Machine Co. (Hosiery & Underwear), Wilmington, Del.
Walther, Otho, Bourse bldg., Phila., Pa.
Wilcomb Machine Co. (Inc.), Norristown, Pa.
Wildman Mfg. Co., Norristown, Pa.

Knitting Machines (Circular)

Crane Bros., Westfield, Mass.
Crane Mfg. Co., Lakeport, N. H.
Leighton Machine Co., Manchester, N. H.
National Automatic Knitter Co., 1020 Susquehanna av., Phila., Pa.
Nye & Tredick Co., 606 Arch, Phila., Pa.
Wildman Mfg. Co., Norristown, Pa.

Knitting Machines (Hosiery)

Branson Machine Co. ("Branson" Hand Power & Automatic), 506 N American, Phila., Pa.
Brinton, H. & Co. (Ribbed & Seamless), 213 Race, Phila., Pa.
Cooper, Chas., Bennington, Vt.
Hemphill Mfg. Co., Pawtucket, R. I.
Jenckes, E. Mfg. Co. (Invincible Automatic), Pawtucket, R. I.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Leighton Machine Co., Manchester, N. H.
Mayo Knitting Machine & Needle Co., Franklin, N. H.
National Automatic Knitter Co., 1020 Susquehanna av, Phila., Pa.
Nye & Tredick, 606 Arch, Phila., Pa.
Pearce, Geo. B. & Co., 2316 N 8th, Phila., Pa.
Scott & Williams, 2079 E Cumberland, Phila., Pa.
Standard Machine Co., 506 Ludlow, Phila., Pa
Taylor, James, 835 Arch, Philadelphia, Pa.
Trump Bros. Machine Co., Wilmington, Del.

Knitting Machines (Rib)

Brinton, H. & Co. (For Hosiery & Underwear), 213 Race, Phila., Pa.
Champion Machine Co., Philadelphia, Pa.

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Cooper, Chas. (Automatic), Bennington, Vt.
General Machine Works, York, Pa.
Huse, Warren D. & Sons, Laconia, N. H.
National Automatic Knitter Co., 1020 Susquehanna av, Phila., Pa.
Nye & Tredick Co. ("Automatic" Circular), 606 Arch, Phila., Pa.
Ruth & Co., Norristown, Pa.
Ruth Machine Co., York, Pa.
Scott & Williams (For Underwear, etc.), 2070 E Cumberland, Phila., Pa.
Snyder, Homer P. Mfg. Co., Little Falls, N. Y.
Stafford & Holt, Little Falls, N. Y.
Wildman Mfg. Co. (Circular), Norristown, Pa.

Knitting Machines (Seamless)

American Knitting Machine Co., 56 N 6th, Phila., Pa.
Boss Knitting Machine Works, Reading, Pa.
Brinton, H. & Co. (For Hosiery & Underwear), 213 Race, Phila., Pa.
Mayo Knitting Machine & Needle Co. ("Acme" & "Hemphill"), Franklin Falls, N. H.
National Automatic Knitter Co. (Also Lace Effects), 1020 Susquehanna av, Phila., Pa.
Scott & Williams (Automatic Hosiery), 2070 E Cumberland, Phila., Pa.
Trump Bros. Machine Co., Wilmington, Del.

Knives (Textile)

(See Page 509)

Knotters (Spooler)

Barber, Colman Co., Rockford, Ill.

Labeling Machines

Automatic Pin Ticketing Mach. Co., Dayton, O.
Beck, C. Paper Co., 903 Chestnut, Phila., Pa.
F. & G. Novelty Co., 407 B'way, New York
Saranac Electrical Mfg. Co., St. Joseph, Mich

Labels (Underwear)

Jacobs, J. L. & M. Co., Elm sq bldg, New York

Lace Machines

Chauvet & Coulter, 247 Centre, New York
Lever, Oswald, Lehigh av c Mascher, Phila., Pa.
Lynwood Mfg. Co. (Ribbers), 2d & Westmoreland, Phila., Pa.
Sheppard, Jno. P., Salem, N. J.
Textile Finishing Machinery Co. (Bleaching & Finishing), Providence, R. I.

Lacers (Automatic Lock & Loop Stitch)

Royle, John & Sons, Paterson, N. J.

Lappers

(See Openers & Lappers, Cotton)

Laundry Machinery

(See Index of Contents)

Lease Rods

American Enamel Co. (Enameled), Neville, Providence, R. I.
Berry & Johnston, 209 Bedford, Fall River, Mass.
Southern Spool & Bobbin Co. (Enameled), Greensboro, N. C.

Leathers (Lace)

Coupe, Wm. & Co. ("Excelsior" Rawhide), S. Attleboro, Mass.

Lifting Rod Cleaners

Draper Co. ("Shaw & Flinn's"), Hopedale, Mass.

Liquid Bleach Apparatus

National Laundry Machinery Co., Dayton, O.

Loom Attachments

American Textile Specialty Co., 143d & Rider av, New York
Isaia Co., 415 B'way, New York
Seamen & Smith, Providence, R. I.
Brown Bros. Co., Providence, R. I.
Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood, Benjamin Co., Paterson, N. J.
Lahue, M. M. & Co., 107 Cushing, Lowell, Mass.
Stafford Co., Readville, Mass.

Loom Crank Shafts

Babbitt Bros., Fairhaven, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.

Loom Forks

Brown Bros. Co., Providence, R. I.
English, C. R. Co., 301 Congress, Boston, Mass.
Non-Rebounding Loom Fork Co., Fall River, Mass.

Loom Frictions (Cork Insert)

National Brake & Clutch Co., 16 State, Boston, Mass.

Loom Harnesses

(See Harnesses, Loom)

Loom Knives

COES, LORING & CO. (Inc.), Worcester, Mass. (See adv. Index, end of book)

Loom Lingoes

Hall, I. A. & Co., Paterson, N. J.

Loom Pickers

(See Pickers, Loom)

Loom Strapping

Abbott, J. V. Mfg. Co., Dedham, Mass.
American Supply Co., Providence, R. I.
Barker Bros., Norristown, Pa.
Barlow, John W. Co., Lawrence, Mass.
Brown Bros. Co., Providence, R. I.
Chicago Rawhide Mfg. Co., 75 E Ohio, Chicago, Ill.
Coupe, Wm., & Co., So. Attleboro, Mass.
Graton & Knight Mfg. Co., Worcester, Mass.
Helvetia Leather Co., Lancaster, Pa.
Jacobs, E. H. Mfg. Co., Danielson, Conn.
Kelton-Bruce Mfg. Co. (Rawhide), Salem, Mass.
Lahue, M. M. & Co. (Steel Lug Straps & Friction Bands for Warp Beams), Lowell, Mass.
Milliken, W. & Son, Franklin, Mass.
National Leather Mfg. Co., Niles, Mich.
New England Specialty Co., North Easton, Mass.
Page Belting Co., Concord, N. H.
Providence Belting Co., 25 Charles, Providence, R. I.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Whiting, Henry F., Lowell, Mass.

Loom Temples

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co., Hopedale, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass

Loom Webs

(See Webbing)

Looms

Alvord, Clinton, 5 Summer, Worcester, Mass.
Amadon, S. B., Staffordsville, Conn.
Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co., Hopedale, Mass.
Eastwood, Benj. Co., Paterson, N. J.
Hughes & Russum (All Kinds), Fkd., Phila., Pa.
Insinger Co., Stenton av, above Wayne Junc., Phila., Pa.
Jackson, James & Son (Inc.), Paterson, N. J.
Jefferson, Edw. & Bro., 127 S 2d, Phila., Pa.
Kilburn, Lincoln & Co., Fall River, Mass.
Klein, Charles C., 2850 N Marshall, Phila., Pa
Leigh, Evan Arthur, 232 Summer, Boston, Mass
Lowell Machine Shop, Lowell, Mass.
Lyall, J. & W., Passaic, N. J.
Mason Machine Works, Taunton, Mass.
Mutual Machine Works, Frankford, Phila., Pa.
Schaum & Uhlinger, No. Penn Junction, Phila., Pa.
Smith, H. B. Machine Co., Smithville, N. J. & 121 Liberty, New York
Stafford Co., Readville, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Voelmy Bros., 507 W 30th, New York
Whitin Machine Works, Whitinsville, Mass.
Widmer Bros., 108 N 7th, Paterson, N. J.

Looms (Axminster)

Crompton & Knowles Loom Works, Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.

Looms (Bag)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Broad)

Draper Co., Hopedale, Mass.
Eastwood, Benj., Co., Paterson, N. J.
Lees, James & Sons Co., Bridgeport, Pa.
Mutual Machine Works, Frankford, Phila., Pa.

Looms (Carpet)

Crompton & Knowles Loom Works, Worcester, Mass.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lyall, J. & W., 88 Leonard, New York.
Smith, H. B. Machine Co., Smithville, N. J. & 121 Liberty, New York
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.

Looms (Cassimere)

Crompton & Knowles Loom Works, Worcester, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Looms (Cotton)

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co., Hopedale, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Hughes & Russum, Frankford, Phila., Pa.
Kilburn, Lincoln & Co., Inc., Fall River, Mass.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lowell Machine Shops, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Mutual Machine Works, Frankford, Phila., Pa.
Schaum & Uhlinger, Philadelphia, Pa.
Smith, H. B. Machine Co., Smithville, N. J. & 121 Liberty, New York
Stafford Co., Readville, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Looms (Cotton Duck)

Lowell Machine Shop, Lowell, Mass.
Mutual Machine Works, Frankford, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.

Looms (Curtain)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Dress Goods)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Embroidery)

Walther, Otto (Mfrs.' Agent), Bourse bldg, Phila., Pa.

Looms (Fancy)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Fkd., Phila., Pa.
Kilburn, Lincoln & Co., Inc., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Stafford, Geo. W. Co., Readville, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.

Looms (Felting)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Gingham)

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co., Hopedale, Mass.
Kilburn, Lincoln & Co., Fall River, Mass.

Looms (Goring)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Jacquard)

Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood, Benj. Co., Paterson, N. J.
Halton's, Thos. Sons, Phila., Pa.
Jackson, James & Sons, Inc., Paterson, N. J.
Kilburn, Lincoln & Co., Fall River, Mass.
Mutual Machine Works, Frankford, Phila., Pa.

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Looms (Jean)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Jute Carpet)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Pile Fabric)

Klein, Chas. C., 2850 N Marshall, Phila., Pa.

Looms (Plush)

Crompton & Knowles Loom Works, Worcester, Mass.
Mutual Machine Works, Frankford, Phila., Pa.

Looms (Ribbon)

Crompton & Knowles Loom Works, Worcester, Mass.
Schaum & Uhlinger, N 2d & Glenwood av, Phila., Pa.
Widmer Bros., Paterson, N. J.

Looms (Rug)

Crompton & Knowles Loom Works, Worcester, Mass.
Reed Mfg. Co., Springfield, O.

Looms (Silk)

Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood, Benj., Co., Paterson, N. J.
Hughes & Russum, Fkd., Phila., Pa.
Kilburn, Lincoln & Co., Inc., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Royle, John & Sons ("Delaske"), Paterson, N. J.
Stafford Co., Readville, Mass.

Looms (Suspender)

Atherton Machine Co., Paterson, N. J.
Crompton & Knowles Loom Works, Worcester, Mass.
Schaum & Uhlinger, N 2d & Glenwood av, Phila., Pa.

Looms (Upholstery)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Velvet)

Crompton & Knowles Loom Works, Worcester, Mass.

Looms (Webbing)

Atherton Machine Co., Paterson, N. J.
Crompton & Knowles Loom Works, Worcester, Mass.
Kilburn, Lincoln & Co., Fall River, Mass.

Looms (Woolen)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Fkd., Phila., Pa.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Mutual Machine Works, Frankford, Phila., Pa.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.

Looms (Worsted)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Fkd., Phila., Pa.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Loopers

Beattie Machine Works, Cohoes, N. Y.
Grosser Knitting Mach. Co., 260 W. B'way, New York
Hepworth, Jno. W. & Co., Phila., Pa.
Leighton Machine Co., Manchester, N. H.
Scott & Williams, 2079 E Cumberland, Phila., Pa.
Southern Textile Machinery Co., Paducah, Ky.
Ward & McLean ("American"), Lockport, N. Y.

Lubricators (Yarn)

Star Automatic Yarn Lubricator Co., Howard & Palmer, Philadelphia, Pa.

Lug Straps

Black Diamond Lug Strap Co., Reading, Pa.
Bond, Chas., Phila., Pa.
Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
Houghton, E. F. Co. ("Houghton's" Patent Rockers), 240 W Somerset, Phila., Pa.
Jacobs, E. H. Mfg. Co. ("Crescent," "Eclipse," "Star"), Danielson, Conn.
Kelley, W. H. & Co., Reading, Pa.
Milliken, W. & Son (Duck, Ticking & Leather), Franklin, Mass.

Lumpers

Clark Machine & Foundry Co., Franklin.
Gerry, Geo. & Son, Athol, Mass. Mass.
Smith, Jas. Woolen Machinery Co., 411 Race, Phila., Pa.

Mails (Brass & Steel)

Ulrich & Co., Paterson, N. J.
Walder, Jacob, Paterson, N. J.

Mechanical Draft

(See Page 771)

Mercerizng Machines

Birch Bros., Somerville, Mass.
Butterworth, H. W. & Son Co., Phila., Pa.
Continuous Process Machine Co. ("Shuman"), Torresdale, Phila., Pa.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Smith, Drum & Co., 2501 Coral, Phila., Pa.
Textile Finishing Machinery Co. (Cloth or Yarn), Providence, R. I.

Mill Soaps

American Soap & Washoline Co., Cohoes, N. Y.
Dobbins Soap Mfg. Co., 119 S. 4th, Phila., Pa.
Draper, J. O. & Co., Pawtucket, R. I.
Eavenson, J. & Sons, 318 N. 20th, Phila., Pa.
Farrington, W. U. (Est. of), E. Greenwich, R. I.
Fox, Chas. J., 313 S Philip, Phila., Pa.
Hersom, Thos., & Co., New Bedford, Mass.
Holbrook Mfg. Co., 470 Washington, New York
India Alkali Wks., Boston, Mass.
Marseilles Castile Soap Works, 84 Front, New York
National Soap Mfg. Co., 2402 Montgomery av, Phila., Pa
Nicetown Mfg. Co., 4301 N. 18th, Phila., Pa.
O. K. Soap Co., 968 Franklin, Phila., Pa.
Providence Sizing Co., Providence, R. I.
Rome Soap Mfg. Co., Rome, N. Y.
Starace, A. (Importer), 76 Pearl, New York
Warren Soap Mfg. Co., 77 Summer, Boston, Mass.
White & Bagley Co., Worcester, Mass.
Woodley Soap Mfg. Co., 87 Norfolk av, Rox, Boston, Mass.

Mill Supplies (Textile)

(See Mill & Factory Supplies)

Mill Wire Goods

(See Drop Wires, also Guide Wires)

Moistening Apparatus (Air)

Aero Cooling & Humidifying Co., 88 Broad, Boston, Mass.
American Moistening Co., 79 Milk, Boston, Mass.
Carrier Air Conditioning Co. of America, 39 Cortlandt, New York
Garland Mfg. Co., Saco, Me.
Green Fuel Economizer Co., Matteawan, N. Y., & 1218 West St. bldg, New York
Smith & Furbush Machine Co., Phila., Pa.
Sturtevant, B. F. Co., Hyde Park, Mass.
THOMAS & SMITH (Inc.), 17 S. Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index end of book)
Turner, J. S. Mfg. Co., Lowell, Mass.

Motions (Bobbin Stop)

Howard & Bullough Am. Machine Co., Pawtucket, R. I.

Motions (Doffer Comb)

Barker, Jas., 6th c Cayuga, Phila., Pa.
Whittle, Jas. H., Worcester, Mass.

Motions (Drawing Frame Stop)

Howard & Bullough, American Machine Co. (Ltd.), Pawtucket, R. I.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.

Motions (Evener)

Lowell Machine Shop, Lowell, Mass.
Saco & Pettee Machine Works, Newton Upper Falls, Mass.

Motions (Knitting Machine Stop)

Crawford Mfg. Co., New Brunswick, N. J.
Forry, I. W., West Reading, Pa.
Nye & Tredick, 606 Arch, Phila., Pa.
Ruth Machine Co., York, Pa.
Wildman Mfg. Co., Norristown, Pa.

Motions (Loom Stop)

Draper Co., Hopedale, Mass.

Motions (Selvage)

Crompton & Knowles Loom Works, Worcester, Mass

Motions (Spooler Stop)

Curry, Albert & Co., 102 Friendship, Providence, R. I.
Fall River Foundry & Machine Co., Fall River, Mass
Lowell, Machine Shop, Lowell, Mass. Mass

Motions (Twister Stop)

Draper Co. ("Smith's"), Hopedale, Mass.

Motions (Warp Stop)

American Textile Appliances Co., 79 Milk, Boston, Mass
Coldwell-Gildard Co. ("C. & G."), Fall River, Mass
Draper Co., Hopedale, Mass.
Kip-Armstrong Co. (Electrical), 260 W Front, New York
Mossberg Wrench Co. ("Kip Armstrong" Electric), Central Falls, R. I.
Stafford Co., Readville, Mass.

Mule Attachments

Ames Plow Co., Quincy Hall, Boston, Mass
Bagshaw, W. H. (Est. of), Lowell, Mass.
Diamond Textile Machine Works, C & Wormoreland, Phila., Pa
Seifert, C. H., 158 York, Phila., Pa.
Whittle, James H., Worcester, Mass.

Mules (Cotton)

Diamond Textile Machine Works, C & Wormoreland, Phila., Pa
Firth, Wm. Co. (Asa Lees & Co., Ltd.), 79 Milk, Boston, Mass
Leigh, Evan Arthur ("Platt"), 232 Summer, Boston, Mass
Lowe, Stephen C., 186 Devonshire, Boston, Mass
Lowell Machine Shop, Lowell, Mass.
McKerrow, H. G., & Co., 31 State, Boston, Mass
Mason Machine Works, Taunton, Mass.
Riley, C. E. & Co. ("Threlfall" Self-Acting), 65 Franklin, Boston, Mass

Mules (Self-Acting)

Firth, Wm. Co. (Asa Lees & Co., Ltd.), 79 Milk, Boston, Mass
Lowe, Stephen C. (Hetherington & Curtis patterns), 186 Devonshire, Boston, Mass
McKerrow, H. G. & Co., 31 State, Boston, Mass
Mason Machine Works, Taunton, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass
Smith, Jas., Woolen Machinery Co. (English & Moulton Styles), 411 Race, Phila., Pa
Smith & Furbush Mach. Co. ("Furbush"), Hancock & Somerset, Phila., Pa
Stoddard, Haserick, Richards & Co., 132 Congress, Boston, Mass

Mules (Woolen)

Johnson & Bassett, Worcester, Mass.
Leigh, Evans Arthur ("Platt"), 232 Summer, Boston, Mass
Lowe, Stephen C., 186 Devonshire, Boston, Mass
Riley, C. E. & Co. (Self-Acting), 65 Franklin, Boston, Mass
Smith, Jas., Woolen Machinery Co., 411 Race, Phila., Pa
Stoddard, Haeserick, Richards & Co., 132 Congress, Boston, Mass

Mules (Worsted)

Birch Bros., Somerville, Mass.
Borchers, Rich'd C. & Co., Wemrath & Tho-wanna, Fkd., Phila., Pa
Diamond Textile Machine Works, C & Wormoreland, Phila., Pa
Firth, Wm. Co. (Asa Lees Co., Ltd.), 79 Milk, Boston, Mass
Leigh, Evans Arthur ("Platt"), 232 Summer, Boston, Mass
Riley, C. E. & Co. (Self-Acting), 65 Franklin, Boston, Mass

Napping Machines

Ardrey, S. B. & Sons, Bristol, Pa
Birch Bros., Somerville, Mass.
Borchers, Rich'd C. & Co., Wemrath & Thowanna, Fkd., Phila., Pa

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Curtis & Marble Machine Co., Worcester, Mass.
Davis & Furber Machine Co., North Andover, Mass.
Gessner, David, 172 Union, Worcester, Mass.
Jones, Lewis, 60½ Media, Phila., Pa.
McCreary, Edw., Cohoes, N. Y.
Parks & Woolson Machine Co., Springfield, Vt.
Smith, James Woolen Machinery Co., 411 Race, Phila., Pa.
Whittle, Jas. H., Worcester, Mass.
Woonsocket Napping Machinery Co., Woonsocket, R. I.

Neck Marking Machines

Kennedy, Thos., Cohoes, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

Needles (Comber)

Bragg, John I., 24 Atwood, Olneyville, R. I.
Crabb, Wm. & Co., Newark, N. J.
Dean, Jno. M., Lowell, Mass.
Tompkins Bros. Co., Troy, N. Y.
Townsend, Thos., 157 Orange, Providence, R. I.

Needles (Crochet Machine)

Klein, M. & Bro. ("M-K & B" Sun Nickel Plated Steel & Wooden), Bridgeport, Conn.
Merrow Machine Co., Hartford, Conn.

Needles (Knitting Machine)

Adams, G. H. & Co., Hill, N. H.
Ames, D. J., Philmont, N. Y.
Beskert Neddle & Supply Co., 5921 Green, Gtn., Phila., Pa
Branson Mach. Co., 506 N American, Phila., Pa.
Brinton, H. & Co., 213 Race, Phila., Pa.
Cooper, Chas., Bennington, Vt.
Corey, Wm. Co., Manchester, N. H.
Dodge Needle Co., Manchester, N. H.
Excelsior Needle Co., Torrington, Conn.
Ives Loyal T., New Brunswick, N. J.
Jarrard Needle Works, New Brunswick, N. J.
Lydall & Foulds Paper Co., Manchester, Conn.
Manufacturers' Supplies Co., 418 Arch, Phila., Pa.
Mayo Knitting Machine & Needle Co., Franklin, N. H.
Page Needle Co., Chicopee Falls, Mass.
Tioga Needle Mfg. Co., 3539 N Marshall, Phila., Pa.
Treat, Orion ("Balmoral"), Manchester Green, Conn.
Wardwell Needle Co., Lakeport, N. H.

Needles (Latch)

Adams, Geo. H. & Co., Hill, N. H.
Continental Latch Needle Co., 120 Liberty, New York
Cooper, Chas., Bennington, Vt.
Corey, Wm. Co., Manchester, N. H.
Dodge Needle Co., Manchester, N. H.
Excelsior Needle Co., Torrington, Conn.
Franklin Needle Co., Franklin, N. H.
Lamb Knitting Mfg. Co., Chicopee Falls, Mass.
Mayo Knitting Machine & Needle Co., Franklin N. H.
Page Needle Co., Chicopee Falls, Mass.
Tioga Needle Mfg. Co., 3539 N. Marshall, Phila., Pa.

Needles (Sewing Machine)

Eastham, Henry W., Lynn, Mass.
Excelsior Needle Co., Torrington, Conn.
National Needle Co., Springfield, Mass.
Singer Sewing Machine Co., 149 B'way, New York

Needles (Spring Knitting)

American Spring Needle Works, New Britain, Conn.
Ames, David J. & Co., Philmont, N. Y.
Cooper, Chas., Bennington, Vt.
Crane Bros., Westfield, Mass.
Crane Mfg. Co., Lakeport, N. H.
Dunz, Miller, Cohoes, N. Y.
Ives, Loyal T., New Brunswick, N. J.
Jarrard Needle Works, New Brunswick, N. J.

Numbering Machines (Repeater)

Royle, John & Sons, Paterson, N. J.

Openers & Feeders (Wool Washer)

Harwood, Geo. S. & Son, 53 State, Boston, Mass.

Openers & Lappers (Cotton)

Howard & Bullough American Machine Co., Ltd., Pawtucket, R. I.
Kitson Machine Co., Lowell, Mass.
Leigh, Evan Arthur ("Platt"), 232 Summer, Boston, Mass.
Lowe, Stephen C., 186 Devonshire, Boston, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Smith & Furbush Machine Co., Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

Overseaming Machines

(See Sewing Machines)

Oxidizing Machines

American Drying Machinery Co., 3301 N. 19th, Phila., Pa.
Philadelphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Rothe, O. & P. Mfg. & Supply Co., Norristown, Pa.

Padding Machines

Butterworth, H. W. & Sons Co., Phila., Pa.
Textile Finishing Machinery Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

Piano Machines

Royle, John & Sons, Paterson, N. J.
Schaum & Uhlinger, N. 2d & Glenwood av., Phila., Pa.

Picker Leather

Booth & Co., 88 Gold, New York
Chicago Rawhide Mfg. Co. ("Rawhide"), 75 E Ohio, Chicago, Ill.
Coupe, Wm., & Co. ("Excelsior" Raw Hide), S. Attleboro, Mass.
Helvetia Leather Co., Lancaster, Pa.
Holbrook Rawhide Co., Providence, R. I.
Houghton, E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Norwich Belt Mfg. Co. ("Tan-Bo" Rawhide), Norwich, Conn.
Page Belting Co., Concord, N. H.
Pechin, John W., 31 S. 3d., Phila., Pa.
Topham, Henry, & Son ("Black English"), Newark, N. J.
Shultz Belting Co., 402 Barton, St. Louis, Mo.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass
Western Rawhide & Belting Co. ("Rawhide"), Milwaukee, Wis.

Picker Parts

Crabb, Wm. & Co., Newark, N. J.
Dodge, Chas. C., Lowell, Mass.

Picker Pins

Ragshaw, W. H. (Est. of), Lowell, Mass.
Dodge, C. S. (Hot Forged), Lowell, Mass.
Stott, Sam'l E. & T., Lowell, Mass.

Picker Rod Springs

Loom Picker Co., Biddeford, Me.

Picker Sticks

Brusher, J. B., Norristown, Pa.
Coburn, Fred. S., 243 Main, Providence, R. I.
Horn, Jas., Horn's Mills, N. H.
Houghton, E. F. & Co., 240 W Somerset, Phila., Pa
Loveland, L. H., Jr., Rumney, N. H.
Montgomery Lumber & Mfg. Co. (In Quantities), Montgomery, Ala
Nashua Spool & Bobbin Co. (Hickory), Journal bldg, Boston, Mass.
New England Shuttle Co., 64 Leverett, Lowell, Mass
Southern Spool & Bobbin Co. (Hickory), Greensboro, N. C.
Tatem, J. B. & Son, Putnam, Conn.

Picker Teeth

Crabb, Wm. & Co., Newark, N. J.
Keystone Drop Forge Works, Chester, Pa.

Pickers (Burr)

Brown Cotton Gin Co. ("Parkhurst"), New London, Conn.
Curtis & Marble Machine Co. ("Goddard") Worcester, Mass
Sargent's, C. G. Sons, Westford, Mass.
Smith, James, Woolen Machinery Co., 411 Race, Phila., Pa
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

Pickers (Cotton)

American Cotton Picker Co., 29th & Smallman, Pittsburg, Pa.
Clark Machine & Fdy. Co., Franklin, Mass.
Curtis & Marble Mach. W'ks, Worcester, Mass.
Garland Mfg. Co., Saco, Me.
Holbrook Rawhide Co., Providence, R. I.
Smith & Furbush Machine Co. ("Furbush"), Philadelphia, Pa.
Schofield, Wm. Co., Manayunk, Phila., Pa.
Whitin Mach. Co., Whitinsville, Mass.
Whittle, James H., Worcester, Mass.

Pickers (Cotton Filled)

Wilkins Mfg. Co., Woonsocket, R. I.

Pickers (Hair)

Bean, Walter N., Stoneham, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Day, J. H. Co., 1144 Harrison av., Cincinnati, Ohio
Ersham, J. B. & Sons' Mfg. Co., Enterprise, Kans.
Smith & Furbush Machine Co. (Improved Opener & Cleaner), Phila., Pa.

Pickers (Loom)

Abbott, J. V. Mfg. Co., Dedham, Mass.
Akron Belting Co. (Leather), Akron, O.
American Picker & Strapping Co., Providence, R. I.
Barlow, John W. Co., Lawrence, Mass.
Brown Bros. Co., Providence, R. I.
Coburn, Fred S., 243 Main, Woonsocket, R. I.
Coupe, Wm., & Co., So. Attleboro, Mass.
Crane Bros., Westfield, Mass.
Crompton & Knowles Loom Works, Worcester,
Garland Mfg. Co., Saco, Me. Mass.
Holbrook Rawhide Co., Providence, R. I.
Houghton, E. F. & Co., 240 W Somerset, Phila., Pa.
HUDSON BELTING CO. (Leather), Worcester, Mass. (See adv. index, end of book)
Jacobs, E. H. Mfg. Co. ("Northrop," "XXCY," "Surpass WX," "B. G. D.," "Daisy"), Danielson, Conn.
Kimball, L. S., Lowell, Mass.
Milliken, W. & Son, Franklin, Mass.
Parkinson, E. Co., Saronville, Mass.
Pickles, Joseph, New Bedford, Mass.
Smith, Jas., & Co., 411 Race, Phila., Pa.
Union Belt Co., Fall River, Mass.
Wilkins Mfg. Co., 14 S Main, Woonsocket, R. I.
Williams, J. H. Co., Utica, N. Y.

Pickers (Mixing)

Brown Cotton Gin Co., New London, Conn.
Clark Machine & Foundry Co., Franklin, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Smith & Furbush Mach. Co., Hancock & Somerset, Phila., Pa.
Whittle, Jas. H., Worcester, Mass.

Pickers (Rag or Shoddy)

Clark Machine & Fdy. Co., Franklin, Mass.
Dodge, C. S., Lowell, Mass
Gerry, Geo. & Son, Athol, Mass.
Kitson Machine Co., Lowell, Mass.
Lombard Machine Co., Worcester, Mass.
Schofield, Wm. Co., Manayunk, Phila., Pa.
Smith, Jas., Woolen Machinery Co., 411 Race, Phila., Pa.
Smith & Furbush Machine Co. ("Proctor"), Phila., Pa.
Stott, S. E. & T., Lowell, Mass.

Pickers & Cleaners (Stock)

Smith, Jas. Woolen Mach. Co., 411 Race, Phila., Pa.

Pin Tickets

Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Steinthal, H. & Co., 207 W. B'way, New York

Pins (Cast Steel)

Hood, R. H. ("English"), 1842 Germantown av, Phila., Pa.

Plaiting & Fluting Machines

Ahlstrom, O. J., 711 B'way, New York
Dubrow & Hearne Mfg. Co., 12 Wooster, New York

Power Transmitting Machinery

(See Page 655)

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Press Papers & Boards

Case Brothers, Highland Park, Conn.
HEWITT, C. B. & BROS., 49 Beekman, New York. (See adv. index, end of book)
Merwin Paper Co., Hartford, Conn.
Wolf Bros., 830 N 12th, Philadelphia, Pa.

Press Plates

Whittle, Jas. H., Worcester, Mass.

Pressers & Flyers

Baker Mach. Co. (Inc.), New Bedford, Mass.

Presses (Cloth)

Spence & Rideout (Power Presses with Hollow Seam Plates & Connections), Nashua, N.H.
United States Hoffman Co., Syracuse, N. Y.

Presses (Cloth, Rotary Steam)

Curtis & Marble Machine Co., Worcester, Mass.
Voelker, Geo. W. & Co., Woonsocket, R. I.
Wilbur Press & Machine Co., Woonsocket, R. I.
Woonsocket Machine & Press Co., Woonsocket, R. I

Presses (Cotton)

(See Page 873)

Presses (Knit Goods)

COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)

Presses (Steam)

Hart, Chas., 4617 Hedge, Fkd., Phila., Pa.

Presses (Tincture)

Johnson Fdry. & Mach. Wks. ("Yale"), Battle Creek, Mich.

Presses (Warp)

Liddell Co., Charlotte, N. C.

Pumicing Machines (Worsted)

Curtis & Marble Machine Co., Worcester, Mass.

Quillers

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Atherton Machine Co. (For Silk Mills), Paterson, N. J.
Atwood, Morrison Co., Stonington, Conn.
Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood, Benj. Co. ("Silk"), Paterson, N. J.
Payne, G. W. Co. (Upright), Pawtucket, R. I.
Rhode Island Braiding Machine Co., Providence, R. I.
Royle, Jno. & Sons, Paterson, N. J.
Whitin Machine Works ("Long Chain"), Whitinsville, Mass.

Quills

Hall, I. A. & Co., Paterson, N. J.
Ulrich & Co., Paterson, N. J.

Railway Heads

Fall River Mach. Co., Fall River, Mass.
Draper Co., Hopedale, Mass.
Fall River Foundry & Machine Co., Fall River.
Lowell Machine Shop, Lowell, Mass. Mass.
Mason Machine Works, Taunton, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

Rashel Machines

Grosser Knitting Machine Co., 260 W B'way, New York

Ravelers

American Raveler Co., Philmont, N. Y.
Union Raveler Co., 519 River, Troy, N. Y.

Raveling Machines (Yarn)

Taylor, Jas., 835 Arch, Phila., Pa.

Reeds

Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.
American Supply Co. (Loom), Providence, R. I.
Andrews' Loom Reed & Harness Works, Spartenberg, S. C.
Baldwin, Jas. Co., Manchester, N. H.
Berry & Johnston, Fall River, Mass.
Blackstone Reed & Harness Co., Pawtucket.
Carruthers, Robt., Lowell, Mass. R. I.
Crabb, William & Co., Newark, N. J.
Craig & Scott, Lewiston, Me.
Draper Co., Hopedale, Mass.
Emmons Loom Harness Co., Lawrence, Mass.
Excelsior Loom Reed Works, Pawtucket, R. I.
Fitzgerald Loom Reed Co., N 2d & Diamond, Phila., Pa.
Gibbs Loom, Harness & Reed Co., Clinton, Mass.
Gowdey, J. A. Reed & Harness Mfg. Co., Providence, R. I.
Hall, I. A., Patterson, Pa.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Littlefield & Sawyer, Saco, Me.
Luther Reed Mfg. Co., Fall River, Mass.
McGregor & Sons, Fall River, Mass.
Paterson Reed & Harness Co., Paterson, N. J.
Southern Card Clothing & Reed Co., Charlotte, N. C
Stewart & Sons, 1627 N. Mascher, Phila., Pa.
Street, R. R. & Co., 184 Washington, Chicago, Ill.
Tilley, Norris, 49 Taylor, Springfield, Mass.
Ulrich & Co., Paterson, N. J.
Walder, J., Paterson, N. J.
Walker Mfg. Co., 191 Zerkes, Phila., Pa.
Whittle, Jas. H., Worcester, Mass.
Wilkins Mfg. Co., Woonsocket, R. I.
Williams, J. H. Co., Utica, N. Y.

Reels

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Atherton Machine Co. (Power for Silk Mills), Paterson, N. J.
Draper Co., Hopedale, Mass.
Lever, Oswald, Lehigh av, c Mascher, Phila., Pa.
Firth, Wm. Co. ("Stubbs"), 79 Milk, Boston, Mass.
Hopedale Machine Co., Hopedale, Mass.
Lindsay, Hyde & Co., 2124 E. York, Phila.,
Lowell Machine Shop, Lowell, Mass. Pa.
Luther, Chas. A. & Co., Pawtucket, R. I
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Sipp Electric & Machine Co., Paterson, N. J.
Smith, Jas. Woolen Machine Co., 411 Race, Phila., Pa.
Textile Machine Works, Reading, Pa.
Whitin Machine Works, Whitinsville, Mass.
Whittle, James H., Worcester, Mass.

Reels (Skeining & Measuring)

Rhode Island Braiding Machine Co., Providence, R. I.

Reels (Yarn)

Brown & Sharpe Mfg. Co., Providence, R. I.
Carpenter, Orville, Pawtucket, R. I.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Draper Co., Hopedale, Mass.
Firth, Wm., Co. (Goodbrandt & Co.), 79 Milk, Boston, Mass.
Lever, Oswald, Lehigh av c Mascher, Phila.,
Lowell Machine Shop, Lowell, Mass. Pa.
Luther, Chas. A., & Co., Pawtucket, R. I.
Saco & Pettee Mach. Shops, Newton, Upper Falls, Mass.
Smith, Jas., Woolen Machinery Co., 311 Race, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.
Whittle, James H., Worcester, Mass.

Rib Cutting & Folding Machines

Cooper, Chas. (Automatic), Bennington, Vt. & Amsterdam, N. Y.

Roll Coverers

Aubertin, Jos. F., New Bedford, Mass.
Barlow, Jno. W. Co., Lawrence, Mass.
Bridge, Jno., Chester, Pa.
Burnham, E. E. Co., Lawrence, Mass.
Cummings, Geo. & Son, 29 Bowers, Fall River,
Dickey, H. H. & Son, Lewiston, Me. Mass.
Fitchburg Top Roll Covering Co., Fitchburg, Mass.
Hathaway, O. H., Jr., Central Falls, R. I.
Holyoke Machine Co., Holyoke, Mass.
Hood, H. R., 1842 Gtn. av. Phila., Pa.
Houghton, E. F. & Co. ("Vici Leather"), 240 Somerset, Phila., Pa.
Lakey, C. T., Georgiaville, R. I.
Nicholas Top Roll Covering Co., Phenix, R. I.
Nichols & Godfrey, North Adams, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass
Pechin, John W., 31 S 3d, Phila., Pa.
Prentice, Chas. W., Taftville, Conn.
Skinner, C. E. & J. F., Valley Falls, R. I.
Taylor & Co., Spartanburg, S. C.
Tripp, Jno. & Co., Lowell, Mass.
Turner, J. S. Mfg. Co., Lowell, Mass.
Union Belt Co., Fall River, Mass.
Wainwright, R., Westpoint, Ga.
Wetherell, Orrin B. & Son, Fall River, Mass

Roll Coverers' Tools

American Supply Co., Providence, R. I.
Dennis, Jno. & Co., Lowell, Mass.

Roller Covering Machines

Turner, J. S. Mfg. Co. ("Turner's" Worsted, Lowell, Mass

Roller Leather

English, C. R. Co., 301 Congress, Boston, Mass
Houghton, E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa

Roller Skins

Firth, Wm. Co. (Kershaw & Sons), 79 Milk, Boston, Mass
Kimball & Brown, Manchester, N. H.
Spencer, Wilton H., Providence, R. I.
Stone, C. Moulton Co., 456 Benefit, Providence, R. I

Rollers (Copper Printing)

Rome Metal Co., Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass., & New Bedford, Mass
Textile Finishing Machy. Co., Providence R. I

Rolls (Card Feed)

(See also Feeds)

Adams, J. J. & M. J., 46 Leverett, Lowell, Mass
Curtis & Marble Machine Co., Worcester, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Harwood, Geo. S. & Son, 53 State, Boston, Mass
Hood, R. H. ("Harding's" Intersecting), 1842 Gtn av, Phila., Pa
Kenyon, D. R. & Son, Raritan, N. J.
Smith & Furbush Machine Co. (Metallic), Phila., Pa
Textile Finishing Machinery Co., 17 Exch. pl, Providence, R. I

Rolls (Fluted)

NIAGARA MACHINE & TOOL WKS. Buffalo, N. Y. (See adv. Index, end of book)
Providence Machine Co., Providence, R. I.
Riley, C. F., & Co., 65 Franklin, Boston, Mass
Thurston, A. G. & Son, Fall River, Mass.

Rolls (Hand Banding)

Whitcomb Mfg. Co., Worcester, Mass

Rolls (Immersion)

Whittle, James H. (Copper), Worcester, Mass

Rolls (Metallic Drawing)

Metallic Drawing Roll Co., Indian Orchard, Mass

Rolls (Rub, for Finishers)

Whittle, James H. (Tin), Worcester, Mass

Rolls (Size)

Whittle, James H. (Copper), Worcester, Mass

Rolls (Temple)

Draper Co., Hopedale, Mass.

Roving Cans

American Vulcanized Fibre Co. (Laminar Fibre & "Sullivan" Seamless Manilla Fibre), 907 Market, Wilmington, Del
Diamond State Fibre Co., Elsmere, Del.
Fiore Mfg. Co., 82 Howard, New York
Hill, Jas. Mfg. Co., Providence, R. I.
N. E. Ventilating & Heating Co., Providence, R. I

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Spaulding, J. & Sons Co., North Rochester, N. H.
Spaulding-Perkins Co. (Fibre), No. Rochester, N. H.
Whittle, James H., Worcester, Mass.

Saddle Boxes

Hood, R. H., 1842 Gtn av, Phila., Pa.

Saddles

Arguto Oilless Bearing Co., 149 Berkley, Phila., Pa.
Dixon Lubricating Saddle Co., Bristol, R. I.

Sample Card Machines

American Numbering Machine Co. (Numbering), 291 Essex, Brooklyn, N. Y.
Cummings-Angelum Machine Co., 320 B'way, New York

Sanding Machines

Curtis & Marble Machine Co., Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.

Scales (Band Tension)

Draper Co., Hopedale, Mass.

Scales (Garment, Lever Balance)

Sweet & Doyle, Cohoes, N. Y.

Scales (Yarn)

Draper Co., ("Schaer's," also "Schaer's Template & Cloth Calculator"), Hopedale, Mass.
Fairbanks Co., Broome c Elm, New York
Sweet & Doyle, Cohoes, N. Y.

Scales (Yarn & Roving)

Sweet & Doyle, Cohoes, N. Y.

Scallop Machines

Merrow Machine Co., Hartford, Conn.
National Automatic Knitter Co., 724 Cherry, Phila., Pa.

Scarfing Machines

Luther, C. A. & Co., Pawtucket, R. I.

Scouring Machines (Wool)

Butterworth, H. W. & Sons Co., 2415 E. York, Phila., Pa.
Hunter, James Machine Co., North Adams, Mass.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Lorimer, Jno. H., Walnut la, Gtn., Phila., Pa.
Riley, C. E., & Co., 65 Franklin, Boston, Mass
Smith, Jas., Woolen Machinery Co., Phila., Pa.

Scouring Machines (Yarn)

American Drying Machinery Co., Westmoreland & P. & R. Ry., Phila., Pa.
Phila. Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

Screens (Card)

New England Ventilating & Heating Co., Providence, R. I.

Separators (Spinning Frame)

Draper Co. ("Rhoades-Chandler"), Hopedale, Mass.

Sewing Machines

(See Index of Contents)

Shafting

(See Page 1012)

Shearing Machines (Textile)

Butterworth, H. W. & Sons Co., Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass
Parks & Woolson Machine Co., Springfield, Vt.

Shearing & Brushing Machine (Combined)

Curtis & Marble Machine Co., Worcester, Mass.

Shoddy Machinery

Kitson Machine Co., Lowell, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.

Shuttle Blocks

Cox, J. Elwood, Highpoint, N. Y.
Hardwood Specialty Co., end of Main, Memphis, Tenn.
Wood, A. C., Advance, N. S.

Shuttle Eyes

Mitchell-Bissell Co., 227 Fulton, New York

Shuttle Guards

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co. ("Sullivan"), Hopedale, Mass.

Shuttle Irons

Litchfield Shuttle Co., Southbridge, Mass.
Marble, E. W., Wilkinsonville, Mass.
New England Shuttle Co., 64 Leverett, Lowell, Mass.
Richardson & Bottomley, West Mansfield, Mass.
Woonsocket Shuttle Co., Woonsocket, R. I.

Shuttle Threaders

Lahue, M. M. & Co., 107 Cushing, Lowell, Mass.

Shuttles

American Supply Co., Providence, R. I.
Billington, Jas. H. & Co., Phila., Pa.
Coburn, Fred S., 243 Main, Woonsocket, R. I.
Dudley, D. T. & Son, Wilkinsonville, Mass.
Dudley, S. A., Taunton, Mass.
Griggs Mfg. Co., Lincolnton, N. C.
Hall, I. A. & Co., Paterson, N. J.
Litchfield Shuttle Co., Southbridge, Mass.
Lowell Shuttle Co., Lowell, Mass.
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.
New England Shuttle Co., 64 Leverett, Lowell, Mass.
New Bedford Shuttle Co., New Bedford, Mass.
Parkinson, E. Co., Saxonville, Mass.
Sergeson, R. & Co., 1704 Tulip, Phila., Pa.
Shambow Shuttle Co., Woonsocket, R. I.
Southern Shuttle & Bobbin Co., Greensboro, N. C.
Taunton Spindle Co., Taunton, Mass.
Ulrich & Co., Paterson, N. J.
Union Shuttle Co., Lawrence, Mass.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Vermont Spool & Bobbin Co., Burlington, Vt.
Williams, J. H. & Co., Utica, N. Y.
Woonsocket Shuttle Co., Woonsocket, R. I.

Silk Machine Wipers

Wilkinson, Seth, Pawtucket, R. I.

Silk Machinery

Atherton Machine Co., Paterson, N. J.
Atwood-Morrison Co. Stonington, Conn.
Brigham, Arthur A., 17 Milk, Boston, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Cavagnaro, Jno. J. (Silk Finishers), 215 Centre, New York
Crompton & Knowles Loom Works, Worcester
Eastwood, Benj. Co., Paterson, N. J. Mass
Hartson, L. M. Co. ("Throwsters"), North Windham, Mass.
Kilburn, Lincoln & Co., Fall River, Mass.
Knapp, C. H., Waite & Rye, Paterson, N. J.
Mason Machine Works, Taunton, Mass.
National Mill Supply Co., Paterson, N. J.
Royle, Jno. & Son, Paterson, N. J.
Schaum & Uhlinger, N. Penn Junc., Phila., Pa.
Sipp Electric & Machine Co., Paterson, N. J.
Stafford Co., Readville, Mass.
Textile Finishing Machinery Co. (Finishing) Providence, R. I.
Webendorfer & Walling, Paterson, N. J.
Willimantic Machine Co., Willimantic, Conn.

Singe Plates

Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., 2415 E York
Rome Metal Co., Rome, N. Y. Phila., Pa
Taunton-New Bedford Copper Co., New Bedford, Mass
Textile Finishing Machinery Co., Providence R. I.
Whittle, James H. (Copper), Worcester, Mass.

Singeing Machines

Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co. (Gas), Worcester, Mass.
Knapp, C. H., c Waite & Rye, Paterson, N. J.
New England Butt Co., Providence, R. I.
Philadelphia Drying Machinery Co., Philadelphia, Pa.
Rhode Island Braiding Machine Co., Providence, R. I.
Rockwell Engineering Co. (Fine Plate Cloth for Oil, Coal or Gas), 26 Cortlandt, New York
Skevington, Henry H. & Co. (Hosiery), 1610 N Philip, Phila., Pa.
Smith, Drum & Co., 2503 Canal, Phila., Pa.
Textile Finishing Machinery Co., Providence, R. I.
Textile Machine Works, Reading, Pa.
Watson Machine Co., Paterson, N. J.

Singeing Machines (Electric)

Societe Anonyme Electro-Textile (Theo. F. Hussa, Rep.), 136 Liberty, New York

Sizing Machines

American Clay Working Mach. Co., Bucyrus, O.
Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Clark, Geo. R. Co., Windsor Locks, Conn.
Klein, Chas. C., 2850 N Marshall, Phila., Pa.
Textile Finishing Machinery Co. (Cloth & Yarn), Providence, R. I.

Skewers

Arnold Bobbin Co., Dayville, Conn.
Fall River Bobbin & Shuttle Co., 821 Cambridge, Fall River, Mass.
Fall River Foundry & Machine Co., Fall River,
Nashua Spool & Bobbin Co., Journal bldg, Boston, Mass.
Payne, Geo. W. Co. (Cop.), Pawtucket, R. I.
Sherwood Bobbin & Mfg. Co., Greensboro, N. C.
Southern Spool & Bobbin Co., Greensboro, N. C.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Weld Bobbin & Spool Co., Lawrence, Mass.
Woodstock Hardwood & Spool Mfg. Co., Charleston, S. C.

Slashers

COHOES IRON FOUNDRY & MACHINE Co. (Cylinder & Hot Air), Cohoes, N. Y.
(See adv. Index, end of book)
Entwistle, T. C. Co., Lowell, Mass.
Howard & Bullough American Machine Co., Ltd., Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Textile Finishing Machinery Co., 17 Exch. pl, Providence, R. I.

Slubbing Machines

(See also Frames, Slubbing)

Howard & Bullough American Machine Co., Ltd., Pawtucket, R. I.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Lowell Machine Shops, Lowell, Mass.
Providence Machine Co., Providence, R. I.
Saco & Pettee Machine Shops, Newton, Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Soaping Machines

Birch Bros., Somerville, Mass.
Hunt, Rodney Machine Co., Orange, Mass.
Kenyon, D. R. & Son, Raritan, N. J.
Textile Finishing Machinery Co., 17 Exchange pl. Providence, R. I.
Watson Machine Co., Paterson, N. J.

Soaps (Textile)

(See Mill Soaps)

Spindle Banding

(See Braided Banding; also Spindle Hook Bands)

Spindle Bolsters

Bloom & Godley, Trenton, N. J.
Hopkins Machine Works (Inc.), Bridgeton, R.I.
Payne, Geo. W. Co., Pawtucket, R. I.
Piqua Handle & Mfg. Co., Piqua, O.
Westcott, A. A. & Sons, Hopedale, Mass.

Spindle Hook Bands

Bins Patent Band Co., 5th & Berks, Phila., Pa.
Frost, Geo. T. & Sons, Paterson, N. J.

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Spindle Tubes (Worsted)

Bamford & Smith, Pascoag, R. I.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Stoddard, Haserick, Richards & Co., 125 Congress, Boston, Mass.

Spindles

American Textile Specialty Machinery Co., 363 Rider av, New York
Bamford & Smith, Providence, R. I.
Buckley's, B. Son, Paterson, N. J.
Dann Bros. & Co., New Haven, Conn.
Draper Co., Hopedale, Mass.
Easton & Burnham Machine Co. (High Speed), Pawtucket, R. I.
Ellsworth Hardwood Co. (Wood of All Varieties), Ellsworth, Me.
Firth, Wm. Co. ("Clapham, Smith & Co.'s"), 79 Milk, Boston, Mass.
Hall, I. A. & Co. ("Cant Slip"), Paterson, N.J.
Hartson, L. M. Co., N. Windham, Conn.
Hopkins Machine Works (Inc.), Bridgeton, R. I.
Lever, Oswald Co. (Horizontal, Driven by Belts), Phila., Pa.
Mayor, Thos. & Son, Providence, R. I.
Payne Geo. W. Co., Pawtucket, R. I.
Providence Mach. Co., Providence, R. I.
Prue, Frank J. (For Cop Yarn Winding), Woonsocket, R. I.
Taunton Spindle Co., Taunton, Mass.
True, Alvin S., Hampton, N. H.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Ward & Vaudegrift, Elmer, N. J.
Westcott, A. W., Hopedale, Mass.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.

Spindles (Cop)

American Textile Specialty Machinery Co., 363 Rider av, New York

Spindles (Dresser)

Payne, Geo. W. Co., Pawtucket, R. I.

Spindles (Reel)

Payne, Geo. W. Co., Pawtucket, R. I.

Spindles (Shuttle)

Chase, F. A. & Co., Providence, R. I.

Spindles (Spooler)

Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Payne, Geo. W. Co., Pawtucket, R. I.

Spinning Machinery

(See Frames, also Mules)

Spinning Machinery (Jute)

Brownell, G. L., 49 Union, Worcester, Mass.
Firth, Wm. Co. (Mackie & Sons), 179 Milk, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass
Watson Machine Co., Paterson, N. J.

Spinning Rings

American Supply Co., Providence, R. I.
Brown Bros. Co., Providence, R. I.
Buckley's, Benj. Son, Paterson, N. J.
Draper Co., Hopedale, Mass.
Pawtucket Spinning Ring Co., Pawtucket, R. I
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass
Westcott, A. W., Hopedale, Mass.
Whitinsville Spinning Ring Co., Whitinsville, Mass.

Spinning Tubes

Rambord & Smith, Providence, R. I.
Buckley's, Benj. Son, Paterson, N. J.

Splicing Machines

Brigham, Arthur A., 17 Milk, Boston, Mass.

Spooler Guides

Draper Co. ("Northrop," "Northrop Improved," "Lawrence"), Hopedale, Mass.
Payne, Geo. W. Co., Pawtucket, R. I.

Spoolers (Cotton)

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Draper Co., Hopedale, Mass.
Easton & Burnham Machine Co., Pawtucket
Foster Machine Co., Westfield, Mass. R. I
Klein, Chas. C. ("Klein" Patent), 2850 N Marshall, Phila., Pa
Lever, Oswald, Lehigh av & Mascher, Phila.
Lowell Machine Shop, Lowell, Mass. Pa
Saco & Pettee Machine Shops, Newton Upper Falls, Mass
Schaum & Uhlinger, N 2nd & Glenwood av
Smith, Jas., Woolen Machinery Co., 411 Race Philadelphia, Pa
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass
Whitin Machine Works, Whitinsville, Mass.
Wrigley, Thomas, Paterson, Mass.

Spoolers (Doubling)

Payne, Geo. W. Co., Pawtucket, R. I.

Spoolers (Dresser)

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa
Foster Machine Co., Westfield, Mass.
Lever, Oswald, Lehigh av, c Mascher, Phila. Pa.
Lindsay, Hyde & Co., 2124 E. York, Phila. Pa
Smith & Furbush Machine Co. ("Furbush"), Phila., Pa

Spoolers (Drum)

Whittle, James H., Worcester, Mass.

Spoolers (Woolen & Worsteds)

Altemus, Jacob K. 2816 N. 4th, Phila., Pa.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa
Easton & Burnham Machine Co., Pawtucket
Foster Machine Co., Westfield, Mass. R. I
Smith, Jas. Woolen Machine Co., 411 Race, Philadelphia, Pa
Smith & Furbush Mach. Co., Hancock & Somerset, Phila., Pa
Whittle, James H., Worcester, Mass.

Spoolers (Yarn)

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa
Foster Machine Co., Westfield, Mass.
Lever, Oswald, Lehigh av & Mascher, Phila.
Payne, Geo. W. Co., Pawtucket, R. I. Pa.
Whittle, Jas. H., Worcester, Mass.

Spooling Machines

(See Spoolers)

Spools

(See also Bobbins)

Altemus, Jacob K., 2816 N 4th, Phila., Pa.
Allen Spool Printing Co., Mystic, Conn.
American Supply Co., Providence, R. I.
Arnold Bobbin Co., Dayville, Conn.
Atwood-Crawford Co., Pawtucket, R. I.
American Supply Co., Providence, R. I.
Baldwin, Jas. Co., Manchester, N. H.
Brown Bros. Co., Providence, R. I.
Chester Mfg. Co., Chester, Mass.
Coburn, Fred S., 243 Main, Woonsocket, R. I.
Elliott & Bartlet, Albany, Me.
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., 821 Cambridge, Fall River, Mass.
Fall River Foundry & Machine Co., Fall River
Frary, Edward S., Berlin, N. Y. Mass.
Georgia Spool & Bobbin Mfg. Co., Macon, Ga.
Hall, F. A. & P., Lawrence, Mass.
Kline, Lewis T. (Thread), Alpena, Mich.
Lestershire Spool Mfg. Co., Lestershire, N. Y.
Marodi Fibre Co., Woonsocket, R. I.
Mawson Bros., Newtown, Pa.
Mawson Spool & Bobbin Co., Lestershire, N.Y.
Nashua Spool & Bobbin Co., Journal bldg. Boston, Mass.
New England Shuttle Co., 64 Leverett, Lowell.
Novelty Turning Co., Norway, Me. Mass.
Ohio Valley Pulley Works, Maysville, Ky.
Payne, Geo. W. Co., Pawtucket, R. I.
Schutz Bros., 71 W. B'way, New York.
Sherwood Bobbin & Mfg. Co., Greensboro, N. C.
Tebbets, E. L. & Co., Locke's Mills, Me.
Union Shuttle Co., Lawrence, Mass.
U. S. Bobbin & Shuttle Co., Providence, R. I.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Weld Bobbin & Spool Co., 42 Island, Lawrence, Mass.
Williams, J. H. Co., Utica, N. Y.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.
Woodstock Hardwood & Spool Mfg. Co., Charleston, S. C.

Spools (Dresser, Steel Head)

Sweet & Doyle, Cohoes, N. Y.

Spools (Jack, Steel Head)

Sweet & Doyle ("S. & D."), Cohoes, N. Y.

Spools (Silk Thread)

Atwood-Crawford Co., Pawtucket, R. I.
Stowell, N. S., Spool & Wood Turning Co., Dixfield, Me

Spools (Warp)

Payne, Geo. W. Co., Pawtucket, R. I.

Sprinkling Machines

Textile Finishing Machinery Co., Providence R. I

Squeezers

Birch Bros., Somerville, Mass.
Textile Finishing Machinery Co., Providence, R. I.
Watson Machine, Paterson, N. J.

Steaming Machines

Birch Bros, Somerville, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Hunter, James, Machine Co., N. Adams, Mass.
Schuchardt & Schutte, 90 West, New York
Textile Finishing Machinery Co., Providence, R. I.

Stirrups & Levers (Cotton Machinery)

Dixon Lubricating Saddle Co., Bristol, R. I.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.

Stock Cleaners (Four Cylinder)

Smith, Jas., Woolen Machinery Co., 411 Race, Philadelphia, Pa

Stock Oilers ("Spencer")

Hardwood, Geo. S. & Son, 53 State, Boston, Mass

Strapping Machines

(See also Sewing Machines)

American Picker & Strapping Co., Providence, R. I.
Union Button Sewing Machine Co., 164 High, Boston, Mass

Stripping Machines

Leighton Machine Co. (Sweaters, Cardigans, Collarettes & Anklets), Manchester, N. H.
Smith, Drum & Co., 2303 Canal, Phila., Pa.

Sweep Sticks

Brusher, J. B., Norristown, Pa.
Montgomery Lumber & Mfg. Co., Montgomery, Ala.

Tanks (Bleaching)

CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. Index, end of book)

Tapes, Braids & Cords

Barber Mfg. Co. (Spinning Tapes), Lowell, Mass.
Barlow, John W. Co. (Spinning), Lawrence, Mass.
Barton, F. C., 65 Worth, New York Mass
Cathcart, John & Co., 115 Franklin, New York
Chapin, Geo. W., 229 Church, Phila., Pa.
Eddy & Street, Providence, R. I.
Friedberger, Aaron, Mfg. Co., Germantown, Phila., Pa
Goff, D. & Sons, Pawtucket, R. I.
Hamilton, J. H. & Co., 25 White, New York
Hoffman-Corr Mfg. Co., 107 Duane, New York
Hope Webbing Co. (Spinning Tapes), Providence, R. I.
Kavanaugh, Geo. W., Cohoes, N. Y.
Kenyon, Jno. J. Mfg. Co., Pawtucket, R. I.
Krout & Fite Mfg. Co., Allegheny av & Emerald, Philadelphia, Pa
Lambeth Rope Corporation (Flat Braided Tapes), New Bedford, Mass.

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Pawtucket Tape Co., Pawtucket, R. I.
Steinthal, M. & Co., 267 W. B'way, New York
Weimer Bros., 2046 Amber, Phila., Pa.
Wick Narrow Fabric Co., 710 Market, Phila., Pa.

Teasels

Kellogg Bros., Skaneateles, N. Y.

Temples

(See Loom Temples)

Tenter Clips

Textile Finishing Machinery Co., Providence, R. I.
Winsor & Jerauld Mfg. Co., Providence, R. I.

Tentering Machines

Birch Bros., Somerville, Mass.
Butterworth, H. W. & Sons Co., 2415 E York, Phila., Pa.
Heathcote, John & Son, Providence, R. I.
Kenyon, D. R. & Son, Raritan, N. J.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Taylor & Fenn Co., Hartford, Conn.
Textile Finishing Machinery Co., Providence, R. I.
Winsor & Jerauld Mfg. Co., Providence, R. I.
Whittle, James H., Worcester, Mass.

"T" Pins

T" Pin Co., 1 Madison av, New York.

Testing Machines (Cloth)

pp Electric & Machine Co., Paterson, N. J.
sting Machines (Hosiery Fabric), Holyoke, Mass.

Testing Machines (Yarn)

erican Supply Co., Providence, R. I.
th, Wm. Co. (Goodbrandt Co.), 79 Milk, Boston, Mass.
n, Tilius & Co., 500 N. 12th, Phila., Pa.
et & Doyle, Cohoes, N. Y.

Textile Parts

RCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Thread Board (Steel)

hton Mfg. Co., Worcester, Mass.

Thread Machinery

d-Morrison Co., Stonington, Conn.
antic Machine Co., Willimantic, Conn.

Tom-Toms (For Hosiery)

can Drying Machinery Co., 3301 N 19th, Phila., Pa.
lphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
O. P. Mfg. & Supply Co. (Ltd.), Norristown, Pa.

Trade-Mark Stamps

raph Co., 156 5th av, New York
Transfer Co., Irvington, N. J.

Traveler Cleaners

lle Spinning Ring Co., Whitinsville, Mass.

Traveler Cups

lle Spinning Ring Co., Whitinsville, Mass.

Travelers (Ring)

Supply Co., Providence, R. I.
os. Co., Providence, R. I.
A. & Co., Providence, R. I.
Traveller Co., Taunton, Mass.
Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
. M., Co., N. Windham, Conn.
Mfg. Co., Pawtucket, R. I.
ing Traveler Co., Providence, R. I.
or Ring Traveler Co., Providence, R. I.
ring Traveler Co., New Bedford.
g. Co., Fall River, Mass.
Reed Co. ("Royal"), Worcester, Mass.

rs (Spinning & Twisting)

(See Travelers, Ring)

Trucks (Mill)

AMERICAN VULCANIZED FIBRE CO. ("Laminar" Dept.), Wilmington, Del. (See adv. index, end of book)
Burlington Basket Co., Burlington, Ia.
Diamond State Fibre Co., Elsmere, Del.
Morris & Co., Groveville, N. J.
Spaulding-Perkins Co., No. Rochester, N. H.

Tubs (Bleaching)

Dillon, D. M. (For Paper Mills), Fitchburg, Mass.

Turbines

(See Index of Contents)

Twine Balling Machines

Draper Co., Hopedale, Mass.
Loyd, Jno. Co., 562 Water, New York.

Twister Ring Oiling Device

Draper Co. ("Carter"), Hopedale, Mass.

Twisters (Carpet)

Reed Mfg. Co. (Foot Power), Springfield, Ohio.

Twisters (Cordage)

Brownell, Geo. L., Worcester, Mass.
Lyall, J. & W., Passaic, N. J.

Twisters (Cotton)

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Brownell, G. L., 49 Union, Worcester, Mass.
Collins Bros., Central Falls, R. I.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Draper Co., Hopedale, Mass.
Franklin Machine Co., Providence, R. I.
Haskell-Dawes Machine Co., 170 Federal, Boston, Mass.
Howard & Bullough American Machine Co., (Ltd.), Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Pawtucket Spinning Ring Co., Pawtucket, R. I.
Providence Machine Co., Providence, R. I.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Whitinsville Spinning Ring Co., Whitinsville, Mass.

Twisters (Silk)

Atwood-Morrison Co., Stonington, Conn.
Brownell, G. L., 49 Union, Worcester, Mass.
Royle, John & Sons, Paterson, N. J.

Twisters (Wool)

Brownell, G. L., 49 Union, Worcester, Mass.
Cleveland Machine Works, Worcester, Mass.
Collins Bros., Central Falls, R. I.
Fales & Jencks Machine Co., Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Smith, James, Woolen Machinery Co., 411 Race, Philadelphia, Pa.
Whittle, James H., Worcester, Mass.

Twisters (Yarn)

Collins Bros., Central Falls, R. I.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Smith & Furbush Machine Co., Phila., Pa.
Whittle, James H., 150 Harlow, Worcester, Mass.

Warp Tying Machines

Barber, Colman Co., Rockford, Ill.

Warpers

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
American Warp Drawing Machine Co., 289 A, Boston, Mass.
Atherton Machine Co., Paterson, N. J.
Atwood-Morrison Co., Stonington, Conn.
Butterworth, H. W. & Sons Co., 2415 E. York, Philadelphia, Pa.
Crompton & Knowles Loom Works, Worcester, Mass.
Draper Co. ("Hopedale"), Hopedale, Mass.
Eastwood, Benj., Co. (Silk, Horizontal & Swiss), Paterson, N. J.
Entwistle, T. Co., Lowell, Mass.
Globe Machine Works, 2009 Oxford, Fkd., Phila., Pa.
Howard & Bullough Am. Machine Co., Ltd., Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Royle, John & Sons, Paterson, N. J.
Smith & Furbush Mach. Co., Hancock & Somerset, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

Warpers (Ball)

Globe Machine Works, 2009 Oxford, Fkd., Phila., Pa.

Warpers (Leese)

Lowell Machine Shop, Lowell, Mass.

Warpers (Ribbon)

Atherton Machine Co. (Power for Broad & Ribbon Looms), Paterson, N. J.
Royle, John & Sons, Paterson, N. J.

Warpers (Slasher)

Lowell Machine Shop, Lowell, Mass.

Warpers & Linkers (Chain)

Draper Co. ("Walcott"), Hopedale, Mass.
Globe Machine Works, 2009 Oxford, Fkd., Phila., Pa.

Warping Mills

Lever, Oswald (For Lace Looms), Lehigh av & Mascher, Phila., Pa.

Warping Mills (Sectional)

Lever, Oswald, Lehigh av c Mascher, Phila., Pa.
Smith & Furbush Machine Co., Phila., Pa.

Warps

Dana Warp Mills, Westbrook, Me.
Grant Yarn Co., Fitchburg, Mass.
Greene & Daniels Mfg. Co., Pawtucket, R. I.
Hoffman-Corr Mfg. Co., 55 White, New York
Indian Orchard Co., Indian Orchard, Mass.
Montgomery, J. R. Co., Windsor Locks, Conn.
Monument Mills, Housatonic, Mass.
Philadelphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Sternberg, F. & Co., 530 B'way, New York

Washer & Fuller Combined

Hunt, Rodney Machine Co., Orange, Mass.
Hunter, James Machine Co., North Adams, Mass.

Washers (Cloth)

American Drying Machinery Co., 3301 N. 19th, Phila., Pa.
Birch Bros., Somerville, Mass.
Conklin & Co., 96th & Erie av, Chicago, Ill.
Hopkins Machine Works (Inc.), Bridgeton, R. I.
Hunt, Rodney Machine Co., Orange, Mass.
Hunter, James Machine Co., North Adams, Mass.
Kenyon, D. R. & Son, Raritan, N. J.
Philadelphia Drying Machinery Co., 6721 Germantown av, Phila., Pa.
Textile Finishing Machinery Co., Providence, R. I.
Watson Machine Co., Paterson, N. J.

Washers (Warp)

Textile Finishing Machinery Co., Providence, R. I.

Washers (Wool)

Hunter, James Machine Co., North Adams, Mass.
Kenyon, D. R. & Son, Raritan, N. J.
Sargent's, C. G. Sons, Westford, Mass.
Smith, James, Woolen Machinery Co., 411 Race, Philadelphia, Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Watson Machine Co., Paterson, N. J.

Washers (Yarn)

Textile Finishing Machinery Co., Providence, R. I.

Waste Machines (Cotton)

Firth, Wm. Co. (Fatham & Co.'s), 79 Milk, Boston, Mass.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.

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Waste Machines (Engine Cleaning)

Riley, C. E., & Co., 65 Franklin, Boston, Mass.

Waste Savers

Torrance Mfg. Co. ("Choquette"), Harrison, N. J.

Weaving Machinery

(See Looms)

Web Folding Machines

S. C. F. Machinery Co., Nashville, Mich.

Webbing (Cotton)

Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Barton, F. C., 65 Worth, New York
Buffalo Weaving & Belting Co. (Belting, Halters, Girths, Bridles, Back Bands, Trunk Straps, etc.), Buffalo, N. Y.
Empire Mfg. Co., Lockport, N. Y.
Fletcher Mfg. Co., Providence, R. I.
Hoffman-Corr Mfg. Co., 55 White, New York
Hope Webbing Co. (Narrow Woven Fabrics), Providence, R. I.
United States Cotton Duck Corp'n (Back Band, etc.), Continental Trust bldg, Baltimore, Md.
Vogt Mfg. & Coach Lace Co., Rochester, N. Y.

Webbing (Elastic)

American Mills Co., Waterbury, Conn.
Ansonia O. & C. Co., Ansonia, Conn.
Buffalo Weaving & Belting Co., Buffalo, N. Y.
Connecticut Web Co., Bridgeport, Conn.
Harriman, Josiah, 175 Hale, Lowell, Mass.
Martin, T. & Bro. Mfg. Co., Chelsea, Mass.
Russell Mfg. Co., Middletown, Conn.
Smith Webbing Co., Pawtucket, R. I.

Welt Machines

Cooper, Chas. (Automatic Latch Needle), Bennington, Vt., & Amsterdam, N. Y.

Willowing Machines (Wool)

Butterworth, H. W., & Sons' Co., Phila., Pa.
Kenyon, D. R. & Son, Raritan, N. J.
Lombard Machine Co., Worcester, Mass.
Riley, C. E., & Co., 65 Franklin, Boston, Mass.
Sargent's, C. G. Sons, Westford, Mass.
Smith, James Woolen Machinery Co., 411 Race, Philadelphia, Pa.
Smith & Furbush Machine Co. ("Proctor"), Phila., Pa.
Whittle, James H., Worcester, Mass.

Winders

(See also Sub-divisions of this Head)

Allen, A. W. (Yarn), 2427 Mascher, Phila., Pa.
Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Atherton Machine Co. (For Silk Mills), Paterson, N. J.
Atwood-Morrison Co., Stonington, Conn.
Campbell & Clute, Cohoes, N. Y.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Eastwood, Benj. Co. (Silk), Paterson, N. J.
Firth, Wm. Co. (Stubbs), 179 Milk, Boston, Mass.
Foster Mach. Co., Westfield, Mass. Mass.
Kennedy, Thomas, Cohoes, N. Y.
Lazenby, F. A. & Co. (Cotton Duck), Bush & Wicomico, Baltimore, Md.
Leighton Machinery Co., Manchester, N. H.
Lever, Oswald Co., Lehigh av & Mascher, Phila., Pa.
Lowell Machine Shop, Lowell, Mass.
Lyall, J. & W., 83 Leonard, New York
Payne, Geo. W. Co. (Cop, Skein or Bobbin), Pawtucket, R. I.
Providence Machine Co., Providence, R. I.
Royle, John & Sons, Paterson, N. J.
Sipp Electric & Machine Co., Paterson, N. J.
Textile Finishing Machinery Co., Providence, Textile Machine Works, Reading, Pa. R. I.
Universal Winding Co., Boston, Mass.
Watson Machine Co., Paterson, N. J.
Whitin Machine Works, Whitinsville, Mass.
Whittle, James H., Worcester, Mass.
Wrigley, Thomas, Paterson, N. J.

Winders (Ball)

Franklin Machine Co., Providence, R. I.
North Chelmsford Machine Co., North Chelmsford, Mass.

Winders (Bobbin)

(See Bobbin Winders)

Winders (Cone)

Brigham, Arthur A. ("Broabent & Brighams"), 17 Milk, Boston, Mass.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Foster Machine Co., Westfield, Mass.
Howard & Bullough American Machine Co., Ltd., Pawtucket, R. I.
Lever, Oswald, Lehigh av c Mascher, Phila., Pa.
Lowell Machine Shop (Camless), Lowell, Mass.
Newton, Edwin A., 310 N 4th, Philadelphia, Pa.
Stoddard, Haserick, Richards & Co., 152 Congress, Boston, Mass.
Universal Winding Co., 95 South, Boston, Mass.

Winders (Cop)

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Lever, Oswald Co., Lehigh av & Mascher, Phila., Pa.
Lindsay, Hyde & Co., 2124 E York, Phila., Pa.
Lyall, J. & W., 83 Leonard, N. Y.
Royle, John, & Sons, Paterson, N. J.
Schaum & Uhlinger, N 2d & Glenwood av, Philadelphia, Pa.
Universal Winding Co., 95 South, Boston, Mass.

Winders (Fillet)

Smith, Jas. Woolen Machinery Co., 411 Race, Philadelphia, Pa.

Winders (Hand)

Branson Machine Co., 506 N American, Phila., Pa.

Winders (Hosiery)

Brigham, Arthur A. ("Broabent & Brighams"), 17 Milk, Boston, Mass.
Lever, Oswald Co., Lehign av & Moscher, Philadelphia, Pa.
Lindley, Geo. W., Germantown, Phila., Pa.
Payne, Geo. W. Co., Pawtucket, R. I.
Universal Winding Co., 95 South, Boston, Mass.

Winders (Magnet)

Universal Winding Co., 95 South, Boston, Mass

Winders (Quill)

Lever, Oswald, Lehigh av & Mascher, Phila., Pa.
Schaum & Uhlinger, N 2d & Glenwood av, Phila., Pa.
Universal Winding Co., 95 South, Boston, Mass

Winders (Skein)

Brigham, Arthur A., 17 Milk, Boston, Mass.
Collins Bros., Central Falls, R. I.
Easton & Burnham Machine Co., Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Lever, Oswald, Lehigh av & Mascher, Phila., Pa.

Winders (Yarn)

Lever, Oswald Co., Lehigh av & Mascher, Philadelphia, Pa.
Universal Winding Co., 95 South, Boston, Mass

Winding Machines (Cloth)

Allyn, C. B. Machine Co. (Combination Measuring & Winding), 315 Dearborn, Chicago, Ill.
Curtis & Marble Mach. Co., Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Textile Finishing Machinery Co., Providence.
Whittle, Jas. H., Worcester, Mass. R. I.

Winding Machines (Hank)

Smith, Jas. Woolen Machinery Co., 411 Race, Phila., Pa.

Winding Machines (Paper Tube)

Altemus, Jacob K., 2824 N 4th, Phila., Pa.

Wooden Shells

Martin, Adolph & Son, 270 Bloomfield av, Passaic, N. J.

Wool Burring Machines

Curtis & Marble Mach. Co., Worcester, Mass.

Wool Combs

(See Combs, Wool)

Woolen & Worsted Machinery

(See also the Specific Article Required)

Altemus, Jacob K., 2824 N 4th, Phila., Pa.
Brown Cotton Gin Co., New London, Conn.
Butterworth, H. W., & Sons' Co., Phila., Pa.
Clark Machine & Foundry Co., Franklin, Mass.
Clark, J. Machy. Co. (Dealers), Lowell, Mass.
Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Dana, Geo. R. (Dealers), Lowell, Mass.
Diamond Textile Machine Works, C & Westmoreland, Phila., Pa.
Duckrow, R. A. (Dealer), Troy, N. Y.
Firth, Wm., Co., 79 Milk, Boston, Mass.
Harwood, Geo. S. & Son, 53 State, Boston, Mass.
Heathcote, John, & Son, Providence, R. I.
Hood, R. H., 1842 Gtn. av, Phila., Pa.
Hunt, Rodney Machine Co., Orange, Mass.
Hunter, Jas. Machine Co., N. Adams, Mass.
Jefferson, Edw., & Bro., 127 S. 2d, Phila., Pa.
Kenyon, D. R. & Son, Raritan, N. J.
Leigh, Evan Arthur, 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Lowe, Stephen C., 186 Devonshire, Boston,
Lowell Machine Shop, Lowell, Mass. Mass.
National Machinery Co. (Dealers), Providence, R. I.
Parks & Woolson Machine Co., Springfield, Vt.
Payne, G. W. Co., Pawtucket, R. I.
Phila. Drying Machinery Co., 6721 Germantown av, Phila, Pa.
Riley, C. E. & Co., 65 Franklin, Boston, Mass.
Sargent's, C. G. Son, Westford, Mass.
Scott, Jas. (Dealer), 241 Chestnut, Phila., Pa.
Smith, James Woolen Machinery Co., 411 Race., Phila., Pa.
Smith, Geo. E. (Dealer), Cohoes, N. Y.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.
Speed & Stephenson (Woolen & Worsted Machinery), 170 Summer, Boston, Mass.
Stoddard, Haserick, Richards & Co., Boston, Mass.
Street, R. R. & Co., 184–186 Washington, Chicago, Ill.
Whittle, James H. ("Henderson's"), Worcester, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

Wringing Machines

Hunt, Rodney Machine Co., Orange, Mass.

Yarn Chaining Machines

Cole Bros., Pawtucket, R. I.

Yarn Printing Machines

Brigham, Arthur A., 17 Milk, Boston, Mass.
Luther, Chas. A. & Co., Pawtucket, R. I.

(END OF TEXTILE MACHINERY)

Thalpotasimeters

NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Schaefer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

*Theatre Brass Work

(See also Bronze, Architectural, Etc.)

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index, end of book)

Theatre Curtains (Asbestos)

Ehret Magnesia Mfg. Co., Land Title bldg., Phila., Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasbey & Mattison Co., Main Office & Works, Ambler, Pa.
New Jersey Asbestos Co., Camden, N. J.
WATSON, H. K. CO., Erie, Pa. (See adv. index & branch offices, end of book)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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Theatre Curtains (Steel)

ELEVATOR SUPPLY & REPAIR CO., 76 W. Monroe, Chicago, Ill. (See adv. index, end of book)

FIREPROOF STEEL CURTAINS
AND
MECHANICAL EQUIPMENT FOR THEATRES
ELEVATOR SUPPLY & REPAIR CO.
114 LIBERTY ST NEW YORK
76 W MONROE ST. CHICAGO
593 MARKET ST., SAN FRANCISCO, CAL.

Union Elevator & Mach. Co., 144 Ontario, Chicago, Ill.
Variety Mfg. Co., Chicago, Ill.

*Theatre Mechanical Equipment

ELEVATOR SUPPLY & REPAIR CO., 76 W. Monroe, Chicago, Ill.; 114 Liberty, New York, & 593 Market, San Francisco, Cal. (See adv. index, end of book)

Theatre Seating

(See Opera Chairs & Theatre Seating)

*Thermo Gauges

MORSE THERMO GAGE CO., ("Morse"), Ithaca, N. Y. (See adv. index, end of book)

Thermometers

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Amesbury Thermometer Co., Amesbury, Mass.
BRISTOL CO. ("Bristol's," Recording, etc.), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Buffalo Thermometer Co., 202 Main, Buffalo.
Bussey Bros., Phelps, N. Y.
Carr-Lowrey Glass Co., Westport, Baltimore, Md.
Dodge, Albert J., Peterboro, N. H.
Du Vivier, Ernest H. (Recording), 30 Church, New York
Eimer & Amend (Chemical), 205 3d av, New York
Electrical Appliance Co., Waterbury, Conn.
Hoehn, R. Co. (I. Mayer & Co., Propts.), 84 Evergreen av., Brooklyn, N. Y.
INDUSTRIAL INSTRUMENT CO. (Industrial), Foxboro, Mass. (See adv. index & branch offices, end of book)
Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.
National Brass & Iron Works (Metal Plated), Reading, Pa.
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Thermometer Co. (Clinical), 927 B'way, New York
Parker Mfg. Co., Boston, Mass.
Phila. Thermometer Co., Arch & 9th, Phila., Pa.
QUEEN & CO. (Inc.). (Technical), N. W. c. 8th & Arch, Phila., Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co. (For All Mechanical Purposes), 963 Kent av, Brooklyn, N. Y.
Standard Steam Specialty Co. ("Boston"), 542 W B'way, New York
Tagliabue, Chas. J. Mfg. Co., 53 Fulton, New York
Taylor Instrument Co., Rochester, N. Y.
Wagner, Carl, 1061 N Albany, Chicago, Ill.
Weinhagen, Henry (For Laboratory, Factory, etc.), 22 N William, New York
Weiskoff, Abram, 127 Market, Chicago, Ill.

Thermometers (Chemical)

Eimer & Amend, 205 3d av., New York.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Thermometer Co., 827 B'way, New York
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

*Thermometers (Feed Water)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)

Thermometers (Heating)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Amesbury Thermometer Co., Amesbury, Mass.
Ashton Valve Co., 271 Franklin, Boston, Mass.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)
Canton Brass Co. (Hot Water), Canton, O.
CROSBY STEAM GAGE & VALVE CO., 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
Gurney Heater Mfg. Co., Boston, Mass.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
QUEEN & CO. (Hot Water), n w c 8th & Arch, Phila., Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Taylor Instrument Co., Rochester, N. Y.
U. S. Gauge Co. (Hot Water), 67 Wall, New York

Thermometers (Hot Well)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

*Thermometers (Optical)

MORSE THERMO GAGE CO., Ithaca, N. Y. (See adv. index, end of book)

Thermometers (Oven)

Cooper, D. G., Pequabuck, Conn.
Electrical Appliance Mfg. Co., Waterbury, Conn.
Evans Stamping & Plating Co. ("Acme"), Taunton, Mass.

Thermometers (Resistance)

Central Laboratory Supply Co. ("Vawter Recording"), La Fayette, Ind.
Leeds & Northrup Co., 4901 Stenton av, Gtn., Phila., Pa.

Thermometers (Shower Bath)

Canton Brass Co., Canton, Ohio.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)

*Thermometers (Steam & Hot Water)

(See also Thermometers, Heating)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)

*Thermometers (Thermostat)

BRISTOL CO., Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)

Thermos Bottles

(See Bottles, Vacuum)

Thermostats

(See also Regulators, Heat)

Acton, John, 118 John, Brooklyn, N. Y.
Amesbury Thermometer Co., Amesbury, Mass.
Beers Bros., Rochester, N. Y.
BUNNELL, J. H. & CO., 20 Park pl, New York. (See adv. index, end of book)
Crane, Wm. M. Co., 16 W 32nd, New York
Edwards & Co., 140th & Excelsior, New York
H. & M. Automatic Regulator Co. (House or Car), Newark, N. J.
Howard Thermostat Co., Oswego, N. Y.
Johnson Service Co., Milwaukee, Wis.
Kieley & Mueller (For Hot Water Tanks, etc.), 34 W. 13th, New York
National Regulation Co. (For Control of Dampers & Valves in a Heating Apparatus), 534 Dearborn, Chicago, Ill.
Norwall Mfg. Co. ("Allen"), 138 Jackson, Chicago, Ill.
Ostrander, W. R. & Co., 22 Dey, New York
QUEEN & CO. (Inc.), N. W. cor. 8th & Arch, Phila., Pa. (See adv. index, end of book)
Standard Steam Specialty Co. ("Boston" Boiler), 542 W B'way, New York
Standard Temperature Regulator Co., Newark, N. J.
Weiskopf, Abram, 127 Market, Chicago, Ill.

Thimbles (Chimney)

Dunlap Mfg. Co. ("Holdfast"), Dunlap, Iowa
Gendron, L. A. & Co., Warren, Mass.
Selner, Chas. F., Indianapolis, Ind.
Sterling Fdry. Co. ("The Best"), Sterling, Ill.

Thimbles (Fire-Place)

American Auto Brass Co., Columbus, O.
Gendron, L. A. & Co. ("Gendron's"), Warren, Mass.
Indianapolis Steel Roofing & Corrugating Co., Indianapolis, Ind.

Thimbles (Floor)

Grabler Mfg. Co., Cleveland, O.

Thimbles (Sewing)

Ansonia Novelty Co. (Aluminum, Gold & Silver), Ansonia, Conn.
Durand & Co., Newark, N. J.
Goodyear India Rubber Glove Mfg. Co. (Rubber), 503 B'way, New York
Grote, Fred. & Co., 318 E. 23d, New York
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Ketcham & McDougall (Gold & Silver), 37 Maiden Lane, New York
Simons Bros. & Co. (Gold & Silver), Philadelphia, Pa.
Sloan & Co. (Inc.) (Gold), 21 Maiden la, New York
Stern Bros. & Co. (Gold & Silver), 68 Nassau, New York
Waite-Thrasher Co., Providence, R. I.
Whiting Co. (Gold & Silver), N. Attleboro, Mass.

Thimbles (Stove Pipe)

Cheney, S. & Son, Manlius, N. Y.
City Forge & Iron Works, Dayton, O.
Logan Mfg. Co., Ottumwa, Ia.
Ohio Stove Pipe & Mfg. Co. (Adjustable), New Philadelphia, Ohio
Rochester Radiator Co., Rochester, N. Y.
Stearns, E. C. & Co. ("McGuire," "Star"), Syracuse, N. Y.

Thimbles (Wire Rope)

AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book
BRODERICK & BASCOM ROPE CO. (Steel), 809 N Main, St. Louis, Mo. (See adv. index, end of book)
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, New York
Durable Wire Rope Co., Boston, Mass.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Hubbard & Co., Pittsburg, Pa.
Jackson Mfg. Co. (Wire Rope, Bolt & Axle), Harrisburg, Pa.
Lanz, Matthew & Sons, Pittsburg, Pa.
Laughlin, Thos. Co. (Steel), Portland, Me.
Leschen, A. & Sons Rope Co., St. Louis, Mo.
Macomber-Whyte-Moon Co., 122 Centre, New York
MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill. (See adv. index & branch offices, end of book)
Sargent & Co. ("Rope"), New Haven, Conn.

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TRENTON IRON CO., Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)
Western Block Co. (Steel), Lockport, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.
Williamsport Wire Rope Co. (Rope), Williamsport, Pa.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Third Rail Block System

WESTINGHOUSE ELECTRIC & MFG. Co., Westinghouse bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Third Rail System (Electric)

(See also Insulators, Third Rail)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, N. Y. (See adv. index & branch offices, end of book)
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Threaders (Wire Rod)

Goodell-Pratt Co. ("Peck's" Can be Held in Any Vise), Greenfield, Mass.

Thresher Teeth

Akron Machine Co., Akron, O.
Avery Mfg. Co., Peoria, Ill.
Cambria Forge Co., Johnstown, Pa.
Christian, Jno., San Jose, Cal.
Keystone Drop Forge Works, (Drop Forged), Chester, Pa.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rhode Island Tool Co., (Steel), Providence, R. I.
Transue & Williams Co. (Drop Forged), Alliance, O.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Threshers

Advance Thresher Co., Battle Creek, Mich.
Aultman & Taylor Machinery Co., Mansfield, O.
Avery Co. ("Avery"), Peoria, Ill.
Belle City Mfg. Co. (Small), Racine, Wis.
Bidwell C. H. Thresher Co. (Inc.), (Bean, etc.), Batavia, N. Y.
Bodren & Quick, Auburn, N. Y.
Buffalo, Pitts Co., Buffalo, N. Y.
Cardwell Machine Co. (Rice, etc.), Richmond.
Case, J. I., Threshing Machine Co., Racine.
Champion Thresher Co., Orrville, O. Wis.
Colean Mfg. Co., Peoria, Ill.
Deats, Hiram, Jr. ("Little Wonder"), Pittston, N. J.
Ellis Keystone Agricultural Works ("Ellis-Champion" Thresher & Cleaner), Pottstown, Pa.
Fairbanks Steam Shovel Co., Marion, O.
Farquhar, A. B. Co. (Also Rice), York, Pa.
Frick Co., Waynesboro, Pa.
Gaar, Scott & Co. (Also Rice), Richmond, Ind.
Geiser Mfg. Co., Waynesboro, Pa.
Gill, W. E. (Corn & Oats Separators), Lake Geneva, Wis
Grant-Ferris Co. (Combined Oats & Straw, etc.), Troy, N. Y.
Gray's, A. W. Sons, Middletown, Vt.
Harder Mfg. Co., Cobleskill, N. Y.
Harrison Machine Works ("Great Western"), Belleville, Ill.
Heebner & Sons ("Little Giant," "Pennsylvania"), Lansdale, Pa.
Hellman Machine Works, Evansville, Ind.
Huber Mfg. Co., Marion, O.
Hunt, Gilbert Co., Walla Walla, Wash.
Keck-Gonnermann, Mount Vernon, Ind.
Keller Mfg. Co., Sauk Center, Minn.
Kelly, O. S. Mfg. Co., Iowa City, Ia.
Kingsland Mfg. Co., St. Louis, Mo.
Kitten, F. Foundry & Machine Works, Ferdinand, Ind.
Massillon Engine & Thresher Co., Massillon, O
Messinger Mfg. Co. (Thresher, Separator & Cleaner), Tatamy, Pa
Minneapolis Threshing Machine Co., Minneapolis, Minn
Morningstar Mfg. Co., Napoleon, O.
New Jersey Agricultural Works (Butterworth Bros.), Trenton, N. J.
Nichols & Shepard Co., Battle Creek, Mich.
Northwest Thresher Co., Stillwater, Minn.
Parlin & Orendorff Co., Canton, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Reeves & Co., Columbus, O.
Rittenhouse, C. & Sons, Norristown, Pa.
Robinson & Co., Richmond, Ind.
Rumley, M. Co., Laporte, Ind.
Russell & Co., Massillon, O.
St. Albans Foundry & Implement Co., St. Albans, Vt.
St. Johnsville Agricultural Works, St. Johnsville, N. Y.
Star Mfg. Co. (Corn), Carpentersville, Ill.
Stevens, A. W. Co., Marinette, Wis.
Westinghouse Co. (Combined Grain & Clover, etc.), Schenectady, N. Y.

Threshers (Bean & Pea)

Aultman & Taylor Machine Co., Mansfield, O.
Buffalo Pitts Co. (Threshers & Cleaners), Buffalo, N. Y.
Nancy Hanks Hay Press & Foundry Co. (Pea), Dalton, Ga.

Threshers (Corn)

Appleton Mfg. Co., Batavia, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Star Mfg. Co., Carpentersville, Ill.
Whitman Agricultural Co., St. Louis, Mo.

Threshers (Rice)

Aultman & Taylor Mach'y Co., Mansfield, O.
Harrison Machine Works ("Belleville"), Belleville, Ill.
Reeves & Co., Columbus, Ind.

Threshers (Straw Preserving & Rye)

Case, J. I., Threshing Machine Co., Racine, Wis.
Eddy, W. Plow Co., Greenwich, N. Y.
Grant-Ferris Co. (Combined Oats & Straight Straw Rye), Troy, N. Y.
Harder Mfg. Co. (Rye Thresher, Cleaner & Binder Combined), Cobleskill, N. Y.
New Jersey Agricultural Works (Butterworth Bros.), Trenton, N. J.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Westinghouse Co., Schenectady, N. Y.

Threshers & Cleaners (Peanut)

Ellis Geystone Agricultural Works, Pottstown, Pa.

*Throttles for Generator Valve

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Ticket Choppers & Destroyers

(See also Boxes, Ticket Cancelling)

Globe Ticket Co., 112 N 12th, Phila., Pa.
Patten, Paul B., Salem, Mass.

*Tickets (Metal Fare)

AMERICAN RAILWAY SUPPLY CO., 26 Park pl, New York. (See adv. index, end of book)

Tickets & Transfers (Street Railway)

Globe Ticket Co., 112 N 12th, Phila., Pa.
Hamilton Bank Note Engraving & Printing Co., 88 Gold, New York
Keller Printing Co., 722 B'way, New York
Macdonald Ticket & Ticket Box Co., Cleveland,
National Ticket Co., Cleveland, O. Ohio
Ohmer Fare Register Co. (Transfers & Transfer Issuing Machines), Dayton, O.
Reyburn Mfg. Co. (Tickets Only), 22nd & Allegheny av, Phila., Pa.
Security Bank Note Co., 223 Chestnut, Phila.,
Stedman, J. H., Rochester, N. Y. Pa.
Stromberg, Allen & Co., 302 Clark, Chicago, Ill.

Tie-Bolts

Cambria Steel Co. (Forged with Upset End or Plain), Arcade bldg, Phila., Pa.

Ties (Bale)

ACME STEEL GOODS CO., 2834 Archer av, Chicago, Ill., 147 Lafayette, New York, & Empire bldg, Atlanta, Ga. (See adv. index, end of book)
Adams Steel & Wire Works, Joliet, Ill.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Blakeslee, G. S. & Co., 525 Dearborn, Chicago, Ill., & 280 W B'way, New York
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburg, Pa.
Colorado Fuel & Iron Co., Denver, Col.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
De Haven Mfg. Co., 153 Furman, Brooklyn, N. Y.
Des Moines Bale Tie Co., Des Moines, Ia.
Downey, W. C. & Co. (Hay & Straw, Excelsior, etc.), Springfield, O.
Ertel, Geo. Co., Quincy, Ill.
Grand Crossing Tack Co., S. Chicago av, & 79th, Chicago, Ill.
Griswold Co. (Steel), Sterling, Ill.
Griswold Wire Co., Braddock, Pa.
Harry, O. K. Steel Co., St. Louis, Mo., & Dallas, Tex.
Independent Steel & Wire Co., Pittsburg, Pa.
Indiana Steel Wire Co., Muncie, Ind.
Keystone Steel & Wire Co., Peoria, Ill.
Ohio Bale Tire Co. (Steel Wire), Cleveland, O.
Sandwich Mfg. Co., Sandwich, Ill.
Western Steel & Wire Co., Kansas City, Mo.
Wilson, H. P. & H. F., 577 10th av, New York

*Ties (Concrete Steel, Railroad)

TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)

Ties (Cotton)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlanta Steel Co. (Steel), Atlanta, Ga.
Bierce, Wm. W. (Ltd.) (Jobber). Hennen bldg, New Orleans, La.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburg, Pa.
Colorado Fuel & Iron Co., Denver, Col.
Norfolk Iron Co., Norfolk, Va.
Pittsburg Steel Co., Pittsburg, Pa.
SHARON STEEL HOOP CO., Sharon, Pa. (See adv. index, end of book)

*Ties or Compressors (Fodder)

HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)

Ties, Poles & Posts

(See also Poles, Iron & Steel Trolley; also Lumber Manufacturers)

ALABAMA.

CARNEY—Carney, J. A. (Ties)
COFFEE SPRINGS—Harris & Scandrett (Ties)

ARKANSAS.

CROSSETT—Crossett Lumber Co.
PARAGOULD—Bertig Bros. (Ties)

CALIFORNIA.

SAN FRANCISCO—Albion Lumber Co. (Ties), Crocker bldg
Byrbee & Clark, Balboa bldg
Caspar Lumber Co. (Ties), Kohl bldg
Gray, Geo. D. & Co., Merchant Exch bldg
Hanify, J. R. & Co. (Ties), 24 Market
Hooper, C. A. & Co. (Ties), Balboa bldg
Nelson, Chas. Co., 112 Market
Pacific Lumber Co. (Inc.) (Ties, etc.), California & Drum
Pacific Pine Co. (Ties), ft. of 3rd
Pope & Talbot (Piles, Spars, etc.)
Richardson Co., 42 Market
Union Lumber Co. (Poles & Ties), Crocker bldg
Western Redwood Lumber Co. (Poles, Posts, etc.), 368 Market
White, L. E. Lumber Co. (Ties, etc.), Balboa bldg
Wood, E. K. Lumber Co., 5th & Channel

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COLORADO.

DENVER—Western Lumber & Pole Co. (Red Cedar & White Cedar Poles)

CONNECTICUT.

NEW HAVEN—Upson & Grannis (Poles, etc.)

FLORIDA.

JACKSONVILLE—Hunter, Dexter (Ties)

GEORGIA.

BINGHAM—Dorminey, Kirkland & Co.
BROOKER—Hinson, E. & Sons (Ties)
BRUNSWICK—Aiken, Frank D. (Mfrs. Agt.. Broadhead, Jas. E. (Ties, etc.) (Ties)
Emanuel, N. & Co. (Ties)
'ACEVILLE—Rogers, J. T. (Cross Ties)
)ARIEN—Hilton & Dodge Lbr. Co.
McPharland & Young (Ties)
UTLER—King, N. B. (Ties)
AVANNAH—Baxter, G. S. & Co. (Cross Ties)
Cooney, Eckstein & Co. (Cross Ties)
Craig, G. F., & Co. (Cross Ties)
Dixon Lumber Co., Liberty c Wheaton
Emanuel, N., & Co. (Cross Ties)
Georgia Lumber Co.
Granger & Lewis (Cross Ties)
Heard Lumber Co.
Hirsch Lumber Co. (R. R. Ties, etc.)
Southern Pine Co. (of Ga.) (Ties, etc.)
Wooley Tie Co.
OMASVILLE—Watt, Jas. Bro. & Co. (Ties)

IDAHO.

'D POINT—Humbird Lumber Co. (Ltd.) (Red Cedar Poles)

ILLINOIS.

)AGO—Ayer & Lord Tie Co. (R. R. Ties), Railway Exch bldg
eidler, Francis & Co. (Idaho Cedar & Michigan White Cedar Poles. 40 ft. & up), 115 Adams
icago Car Lumber Co. (R. R. Ties), Pullman bldg, 6 Adams
ntinental Lumber Co. (Ties, Poles & Posts), Monadnock blk
eves, G. H. Lumber Co. (Ties), R'y Exch
wler, Jno. H. & Co. (Cedar Ties, Poles, etc.), 279 Dearborn
lis & Moulton (Ties, Poles & Posts), 204 Dearborn
lcomb-Lobb Co. (Ties, Poles & Posts, Cedar), 279 Dearborn
logg Switchboard & Supply Co. (White Cedar Poles, etc.), W Congress c Green
e Superior Piling Co. (Poles, Posts & Piling), S. Morgan & W. 22d
lsley Bros. Co. (Idaho Cedar & Michigan White Cedar Poles), 98 Jackson
ih & Bingham Co. (Ties), Old Colony Bldg.
gle Pole & Tie Co. (Ties, Poles & Posts), 1166 Paulina
r & Watson (Cedar Ties, Poles & Posts), Old Colony bldg
y. Wm., & Son (Ties), 36 Lasalle
tz Bros. & Cowen (Ties, Poles & Posts), Old Colony bldg
, Frank B. (Ties, Poles & Posts), 9 Jackson boul
line-Clark Co. (Cedar Poles, Telegraph les, Railroad Ties, etc.), 234 LaSalle
ster, C. H. Co., 143 Dearborn
SBORO—Wilson, Jno. H. (Ties)

INDIANA.

r Mann, W. N. Lumber Co.
—Medora Milling Co. (Chestnut Poles 40 ft. & up)
D—Johnson, B., & Son (R. R. Ties. Piles, etc.)

KENTUCKY.

—Day Bros. Co. (Ties)
LE—Hughes, W. J. & Sons Co.
lley Tie Co. (R. R. Ties)
— Paducah Pole & Timber Co. (Chestnut Poles)

LOUISIANA.

Dibert, Stark & Brown Cypress Co.
EANS—American Creosote Works (Creosoted Ties & Poles)
Slidell Brick & Lmbr. Co. (Hemes & Foundation Piling)

MARYLAND.

NE—Robinson, A. T. (Ties)

MASSACHUSETTS.

BOSTON—Nashua Spool & Bobbin Co. (R. R. Ties & Telegraph & Telephone Posts), Journal bldg

MICHIGAN.

AU SABLE—Loud's, H. M. Sons Co. (Ties)
BAY CITY—Maltby Cedar Co. (Ties, Poles & Posts)
Michigan Pipe Co. (Ties, Poles & Posts, Creosoted)
BOYNE CITY—White, Wm. H., & Co. (Ceda Ties & Posts)
DAGGETT—Perrizo & Sons (Poles & Posts)
DETROIT—Brownlee & Co. (Poles & Posts), Telegraph bldg
Detroit Cedar & Lumber Co., Chamber of Commerce bldg
Detroit Lumber Co., 1811 Gratiot av
Grace Harbor Lumber Co. (Ties, Poles and Posts), ft of McKinstry av
Standard Tie Co., Cham. of Com. bldg
ESCANABA—Erickson & Bissell (Cedar Ties, Poles, Posts & Tiling)
Pittsburg & Lake Superior Iron Co. (Cedar Ties, Poles, Posts & Piling)
GRAND RAPIDS—Dregge, Chas., Lumber Co. (Chestnut & Cypress Poles)
Union City Lumber Co.
HARDWOOD—Anderson, P. J.
HERMANSVILLE—Wisconsin Land & Lumber Co. (Cedar Ties, Poles & Posts)
HONOR—Guelph Patent Cask Co. (Ties)
INGALLS—Carley, Ira
MENOMINEE—Girard Lumber Co. (Ties, Poles & Posts)
Huebel, C. J., Co. (Idaho Cedar & Michigan White Cedar Poles 40 ft. & up)
MONROE—Sterling, W. C. & Son (Ties, Electric Light Poles, etc.)
MULLET LAKE—Rittenhouse, John C. (Ties, Poles & Posts)
NEWHALL—National Pole Co. (Whol Cedar Prods)
OMER—Sterling, W. C. & Son (Ties, Poles & Posts)
ONAWAY—Lobdell & Churchill Mfg. Co. (Ties, Poles & Posts)
OSCODA—Loud's, H. M. Sons Co. (Poles & Posts)
RAPID RIVER—Madden, Jerry, Shingle Co.
SAGINEW—Porter Cedar Co. (Poles & Posts, Cedar)
ST. IGNACE—Connor & Bissell (Cedar Ties, Telegraph Poles, etc.)
VANDERBILT—Sterling, W. C. & Son
WELLS—Ford River Lumber Co. (Ties. Poles & Posts)

MINNESOTA.

CLOQUET—Cloquet Tie & Post Co.
DULUTH—Duluth Log Co. (White Cedar Poles & Posts)
Lake Superior Piling Co. (Poles & Posts), Martin Bros. Torrey bldg
Martin, L. R. (Ties, Poles & Posts)
Sherwood, Wm. C. (Ties, Poles & Posts)
MINNEAPOLIS—Backus-Judd Lumber & Cooperage Co. (White Cedar Poles).
Cooperage Co. (White Cedar Poles), Lumber Exchange bldg
Coolidge, M. H., Co. (Ties, Telegraph & Telephone Poles), Guaranty bldg
Everts & Fall (Ties, Poles & Posts), 400 Lumber Exch
Minneapolis Cedar & Lumber Co., Lumber Exch
Morrison, J. W., Lumber Co. (White Cedar Poles)
Pillsbury-Watkins Co., Lumber Exch

MISSISSIPPI.

GULFPORT—Naylor, S. E. (R. R. Ties)

MISSOURI.

CABOOL—Grant, S. W. (Posts, etc.)
CAMPBELL—S. E. Missouri Cypress Co.
Taylor, Lee J. (Cypress Poles)
ELDON—Harvey & Phillips (Ties)
KANSAS CITY—Sedgwick Tie Co. (Ties, Poles, etc.), Beals Bldg.
MONTGOMERY CITY—Ferguson & Co. (R. R. Ties)
POPLAR BLUFF—Jacobs, E.
ST. LOUIS—Abeles & Taussig (Ties), Commercial bldg
Bagnell Timber Co. (Ties), 706 Chestnut
Berthold & Jennings (Piling Telegraph Poles, etc.), 207 N 8th
Chicago Lumber & Coal Co. (Poles, Posts & Hearne Timber Co. (White & Red Oak Ties, Cypress Poles & Piling), 122 N 7th
Heller, Michael J. (Ties), 2634 N Grand
Moss, T. J. Tie Co. (Oak, Cypress & Chestnut Ties & Cypress Trolley Poles), 819 N 4th
Western Tie & Timber Co. (Ties), Century bldg

MONTANA.

HERON—Churchill Cedar Co.

NEW HAMPSHIRE.

MILFORD—Peirce, W. B. & Co. (Ties, Poles & Posts)

NEW JERSEY.

CAMDEN—Baird, David & Co. (Poles & Posts, Trolley, etc.)
FLEMINGTON—Broadhead, J. E. (Ties, etc.)

NEW YORK.

ALBANY—Hunter, Dexter (Ties), Water & Lawrence
BUFFALO—Curtiss, W. L. (Ties), Prudential
Elias, G. & Bro., 965 Ell Bldg.
Wheeler-Holden Co., Erie Co., Bank bldg
ELLENVILLE—Cox Bros. (Ties, Poles, Posts, etc.)
NEW YORK—Apex Equipment Co. (R. R. Ties Only), 11 B'way, New York
Baxter, G. S. & Co. (Ties), 17 William
Cooney, Eckstein & Co. (R. R. Ties), 66 Broad
Corbett & Co., 429 E 109th
Hunter, Dexter (Ties), 18 B'way
Richardson, G. E., 123 Liberty
Roper, John L. Lumber Co. (Ties), 18 B'way
Vanderbilt, Edw. W. (Ties), 126 Liberty
Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles), 50 Church
OSWEGO—Farwell, J. B. & Son (Cedar Poles)
WAVERLY—Baldwin, H. J. & Son (Ties)

OHIO.

CINCINNATI—Chaney, W. G., Swift bldg
Doran & Co., Bell blk
Farrin-Korn Lumber Co. (Oak, R. R. Ties, Posts, etc.), Winton pl
Keefer Railway Tie Co., Bell blk
CLEVELAND—Advance Lumber Co., Rockefeller bldg
IRONTON—Ironton Cross Tie Co. (Ties)
TOLEDO—Bissell, F., Co. (Cedar Poles)
Davidson-Gallmeyer Lumber Co. (White Cedar Poles)

OREGON.

PORTLAND—Broughton & Wiggins Co., 93 1st
Lindsay Bros. Co. (Ties, Poles & Posts), Sherlock bldg

PENNSYLVANIA.

LANCASTER—Kalbach, A. M.
LIVERPOOL—Grubb, M. H. (Ties Only)
PHILADELPHIA—Greenbier Pole Co., Real Estate Trust Co. bldg
Hallowell, E. B. & Co. (Ties, Poles & Posts), Harrison bldg
Howard Supply Co. (Ties), Witherspoon bldg
Kirby & Hawkins Co. (Ties), Arcade bldg
Maus, H. H. & Co. (R. R. Ties, Poles, etc.), 430 Walnut
Roper, Jno L. Lumber Co. (Ties), Franklin Bank bldg
Union Railway Supply Co. (Electric Railway Ties & Poles), Real Estate Trust Co. bldg
PITTSBURG—Cheat River Lumber Co. (Cross Ties, Telephone Poles, etc.)
Enos, W. B. & Co. (Ties), Allegheny av
Gillespie, D. L. & Co. (Ties), 541 Wood
Glenn-Kline Lumber Co. (Ties, Posts & Piling), 5941 Baum
Mead & Speer Co. (Ties), Park bldg
Thompson, Dwight (Cross Ties), House bldg
ROCKWOOD—Wolf, Penrose (Ties)
THOMPSONTOWN—Thompson, Theo. S. (Estate of) (Ties)
TIONESTA—Forman, H. M. (Ties)

SOUTH CAROLINA.

ALCOLU—Alderman, D. W. & Sons Co. (Octagonal or Square Poles)
CHARLESTON—Anderson Lumber Co. (Ties)
MAYESVILLE—Bland, Jas. F. (Cross Ties)

TENNESSEE.

LEWISBURG—Houston & Liggett (Cedar Poles & Posts)
NASHVILLE—Ransom, Jno. B. & Co. (Red Cedar Posts & Poles)

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TEXAS.

BEAUMONT—Keith Lumber Co. (Ties)
Nona Mills Co. (Ties)
GALVESTON—Heiskell, Jas M. (R. R. Ties)
Miller & Vidos Lumber Co.
Wilson, D. M. & Co. (Ties)
HOUSTON—Carter Lumber Co. (Ties, etc.)
Emporia Lumber Co. (Ties)
Kirby Lumber Co. (Ties, etc.)

VIRGINIA.

NORFOLK—Roper, Jno. L. Lumber Co. (Ties), 3 Division
PORTSMOUTH—Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles)
RICHMOND—Conquest, Pleasanton L. (Ties), 1001 E Main
Johnson & Briggs (Ties), 819 E Main
Richmond Tie & Lbr. Co. (Ties), 4 N 10th
TALLEYSVILLE—Richardson, B. E. (Ties)

WASHINGTON.

NAPAVINE—Central Lumber Co. (Piling, Posts & Poles)
PORT BLAKELEY—Port Blakeley Mill Co. (Ties)
SEATTLE—Folsom, F. H. (Ties, Poles, etc.), Colman Dock
Gamwell & Wheeler (Cedar Poles, Fir Piling, Masts & Spars, etc.)
Northwest Lumber Co. (Spars, Piles & Telegraph Poles)
Pacific Fir Co. (Ties), D. Horton B'k bldg
Puget Sound Timber Preserving Co., Globe blk
SPOKANE—Churchill Cedar Co.
Lindsley Bros. Co. (Cedar Poles)
Pacific Coast Pole Co.
TACOMA—Tacoma Mill Co. (Piles & Telephone Poles)

WEST VIRGINIA.

CHARLESTON—Courtney, D. G. (R. R. Ties)
HUNTINGTON—Howard Supply Co. (Ties)
TERRA ALTA—Rinard Bros. (Poles, etc.)

WISCONSIN.

CLINTONVILLE—Torrey Cedar Co. (Poles & Posts)
DUNBAR—Girard Lumber Co. (Ties, Poles & Posts)
MARINETTE—Worcester, C. H. Co. (Cedar Poles)
Wright Bros.
MARSHFIELD—Connor, R. Co. (Cedar Poles & Posts)
MILWAUKEE—Cooper & Maxson Lumber Co. (Cedar Poles & Posts)
WASHBURN — Jacobs-McDonnell Co. (Cedar Posts, etc.)
WAUSAUKEE—Bird & Wells Lumber Co. (Cedar Ties, Poles & Posts)
WITTENBERG — Glaubitz, R. B. (Posts & Poles)
Wittenberg Cedar Co. (Cedar Poles)

Ties (Reinforced Concrete)

Blessing, Louis, Jackson, Mich.
International Malleable Steel Tie Co., Muskegon, Mich.

Ties (Steel Railroad)

American Railway Tie Co., 50 B'way, New York
Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa.
Jones & Laughlin Steel Co. ("McCune"), Pittsburg, Pa.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

BUILDING SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER
·COMPANY·
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Tile (Art & Decorative)

(See also Tile, Encaustic Floor)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., Zanesville, O., & 1123 B'way, New York
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Cambridge Tile Mfg. Co., Covington, Ky.
Imperial Porcelain Works, Trenton, N. J.
JACKSON, WM. H. COMPANY (Dealers in All Kinds of Art & Decorative Tiles), 29 E. 17th (Union sq), New York, & 168 Michigan av, Chicago, Ill. See adv. index, end of book)
Lage, (Mrs.) Bernhard H., 484 Greenwich, New York. Factory, Menlopark, N. J.
Mosaic Tile Co. (Ceramic, Enameled & Glazed), Zanesville, O., & 109 W. 26th, New York
Matawan Tile Co., Matawan, N. J.
National Tile Co., Anderson, Ind.
New Jersey Tile Co., Trenton, N. J.
Ohio Tile Co., Hamilton, O.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Opalite Tile Co., Monaca, Pa.
Pardee, C. Works, Perth Amboy, N. J.
Providential Tile Co., Trenton, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Star Encaustic Tile Co., Pittsburg, Pa.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Co., Indianapolis, Ind.

Tile (Bake Oven)

La Clede-Christy Clay Products Co., St. Louis Mo
MAURER, HENRY & SON, 420 E. 23d, N. Y.; Penna. bldg, Phila., Pa. Works, Maurer, N. J. (See adv. Front Inside Cover)
Pressbrey Stove Lining Co., Taunton, Mass.

Tile (Cement Floor)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Ornamental Tile Co. ("Ornatile." Colored Decorative), 138 Washington, Chicago, Ill

*Tile (Concrete Structural)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)

Tile (Cork)

Armstrong Cork Co., Pittsburg, Pa.
Nonpareil Cork Works, 50 Church, New York

Tile Dealers (Floor & Wall)

(See Mantel, Grate & Tile Dealers)

Tile (Drain)

Aiken Fire & Ornamental Brick Co., Aiken, S. C.
Akron Vitrified Clay Mfg. Co., Akron, O.
Allen, Geo., Jeffersonville, O.
American Brick & Tile Co., Mason City, Ia.
American Clay Mfg. Co., Akron, O.
American Clay Products Co., 138 Washington, Chicago, Ill.
AMERICAN CONCRETE CO., 80 William, New York (Cement & Concrete). (See adv. index, end of book)
Argillo Works, Rock Island, Ill.
Bennett, M., Sidney, O.
Bennett, W. F. & Co., Galena, O.
Boynton, C. W., Sewaren, N. J.
Brandt Clay Product Co., Binghamton, N. Y. Works, Brandt, Pa.
Butte Sewer Pipe & Tile Co., Butte, Mont.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Clark, N. & Sons, 17 Spear, San Francisco, Cal., & Alameda, Cal.
Clarke & Leacock, Keota, Ia.
Clearfield Clay Working Co., Clearfield, Pa.
Cooper, Jno., 496 Oakland, Brooklyn, N. Y.
Dawson Brick & Tile Co., Springfield, Ill.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
Diefethaler Co., Millbury, O.
Dorney & Harris, Finlay, O.
Duffy, J. P. Co., 440 E. 138th, New York
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Everal, J. W., Westerville, O.
First Av Brick & Tile Co., Evansville, Ind.
FISKE & COMPANY (Inc.) (Mfrs.' Agts.), 25 Arch, Boston, Mass., & Flatiron bldg, New York. (See adv. index, end of book)
Fox, E. P., Sheffield, Iowa
Gerhard, Frank J., 110 Belmont av., Newark
Goodell, Adison Tile W'ks, Loda, Ill. N. J
Goodwin Tile & Brick Co., Grand Junction, Ia
Hickory Run Brick Co., Allentown, Pa.
Hillsboro Brick & Tile Co., Hillsboro, Ill.
Iowa Pipe & Tile Co., Des Moines, Ia.
Jackson, John H., Albany, N. Y.
Joliet Mound Drain Tile Co., Joliet, Ill.
Lancaster Brick & Tile Co., Builders' Exchange, Buffalo, N. Y.
Lehigh Sewer Pipe & Tile Co., Fort Dodge, Ia.
Little Falls Fire Clay Co., Tacoma, Wash. Works, Little Falls, Wash.
McCord, Seely, Benton Harbor, Mich.
Martin & Von Owen,
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, Mason City, Ia.
Mason, F. H. & Son, Monroeville, O.
Mecca Clay Works (Wm. E. Dee, Prop.), 111 Quincy, Chicago, Ill. Works, Mecca, Ind.
Mishler Bros., Ravenna, O.
Mitchell & Moore, Newberg, Ore.
Monmouth Mining & Mfg. Co., Monmouth, Ill.
National Terra Cotta Works, 316 13th, N. W., Washington, D. C.
New York Pottery Co., 949 B'way, New York
Northwestern Clay Co., New Windsor, Ill.
Onondaga Vitrified Brick Co., Syracuse, N. Y.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Peck, Richard, East Bethany, N. Y.
Pierson, Arthur & Co. (Mfrs. Agents), 1 Park Row, New York
Pittsburg Sewer Pipe & Conduit Co., Pittsburg, Kan.
Pomona Terra Cotta Co., Pomona, N. C.
Prane, F. J., Shiloh, O.
Purcell, Geo. W., Union, O.
Richeson & Nelson, Greenville, O.
Robinson Clay Product Co., Akron, O.
Rochester Brick & Tile Mfg. Co., Powers blk, Rochester, N. Y.
Rochester Sewer Pipe Co., Rochester, N. Y.
Rocketts Brick & Tile Co., Richmond, Va.
St. Clair Tile Co., Eaton, O.
San Antonio Sewer & Pipe Mfg. Co.
Shaw, C. B., Iowa Falls, Ia.
Southern Brick & Tile Co., Louisville, Ky.
Standard Sewer Pipe Co., Rochester, N. Y.
Steiger Terra Cotta & Pottery Wks., San Francisco, Cal.
Stevens', H. Sons Co., Macon, Ga.
Streator Clay Mfg. Co., Streator, Ill.
Swift Terra Cotta Brick & Tile Co., Ottawa, Ill.
Terrell & Son, Newberg, Ore.
Troy Fireproofing Co., Troy, N. Y.
Utica Brick & Tile Co., Utica, N. Y.
Vigo Brick & Tile Co., Vigo, O.
Whipple & Hull, Leonardsbury, O.
White, S. C., Lapel, Ind.
Williams, N. A. Co., Chamber of Commerce bldg, Chicago, Ill.

Tile (Effectile)

Enameled Art Metal Co. (Porcelain Enameled on White Metal), 20 E. Herman, Gtn., Phila., Pa.

Tile (Enameled)

American Encaustic Tiling Co., 1123 B'way, New York, & Zanesville, O.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Cambridge Tile Mfg. Co., Covington, Ky.
Mosaic Tile Co., Zanesville, O., & 109 W 26th, New York
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Providential Tile Co., Trenton, N. J.
Tiffany Enameled Brick Co., Momence, Ill.
Zanesville Tile Co., Zanesville, O.

Tile (Enameled Metal)

American Locktile Co., Alexandria, Va.
Chicago Metile Co., 152 Lake, Chicago, Ill.
Enameled Art Metal Co. ("Effectile" is an Enameled Sheet Zinc, an Imitation of Clay Tile), 20 E Herman, Gtn, Phila., Pa.
Metile Construction Co., 22 E 22d, New York
NEW YORK METAL CEILING CO., 837 W 24th, New York. (See adv. index, end of book)
Sanitary Metal Tile Co. (For Walls & Ceilings), 33 Prospect, Brooklyn, N. Y.
Stengel Bros. Co. ("Metile"), Pittsburg, Pa.
United Metile Co. (Ltd.), Boston, Mass.

Tile (Encaustic Floor)

American Encaustic Tiling Co., Zanesville, O., & 1123 B'way, New York
Art Mosaic & Tile Co., Toledo, O.
Cambridge Tile Mfg. Co., Covington, Ky.
Mosaic Tile Co., Zanesville, O., & 109 W 26th, New York
National Tile Co., Anderson, Ind.
New York Vitrified Tile Co., 79 4th, Brooklyn, N. Y.
Robertson Art Tile Co., Morrisville, Pa.
Star Encaustic Tile Co., Bluff nr Grist, Pittsburg, Pa.
U. S. Encaustic Tile Works, Indianapolis, Ind.
Zanesville Tile Co., Zanesville, O.

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Tile (Floor or Porch)

New York Press Brick Co. (Vitrified Red Shale). Rochester, N. Y.

Tile (Glass)

Federal Tile Co. (Wall). 131 W 24th. New York
Manhattan Glass Tile Co., 218 7th ave. New York
New York Structural Glass Co., 48 W 34th, New York

*Tile (Green House)

MAURER, HENRY & SON, 420 E. 23d. New York. (See adv. front inside cover)

Tile (Hydraulic Mosaics)

Raventos Tile & Cement Co., San Francisco, Cal.

*Tile (Illuminating, Wholesale Mfrs.)

RODEFER, T. A., Bellaire, O. (See adv. index, end of book)

Tile Importers

Schroeder, Rudolph (French Flint), 32 B'way, New York

Tile (Interlocking Metal)

American Lockite Co., Alexandria, Va.

Tile ("Moravian")

Moravian Pottery & Tile Works (Glazed & Unglazed, in Various Colors), Doylestown, Pa.
Zanesville Tile Co., Zanesville, O.

Tile (Mosaic Ceramic Floor)

American Encaustic Tiling Co., 1123 B'way, New York, & Zanesville, O.
Art Ceramic Works, Zanesville, O.
Art Mosaic Tile Co., Toledo, O.
Cambridge Tile Mfg. Co., Covington, Ky.
Lage, (Mrs.) Bernhard H., 484 Greenwich, New York. Factory, Menlopark, N. J.
Lage, Otto C., 192 E 76th, New York
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O., & 109 W 26th, New York
National Mosaic Flooring Co., Mobile, Ala.
National Tile Co., Anderson, Ind.
Perth Amboy Tile & Ceramic Co., Perth Amboy, N. J.
Providential Tile Co., Trenton, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Trent Tile Co. (Vitrified & Glazed), Trenton, N. J.
United States Encaustic Tile Co., Indianapolis, Ind.

Tile (Non-Absorbent Floor)

American Encaustic Tiling Co., 1123 B'way, New York, & Zanesville, O.
Cambridge Tile Mfg. Co., Covington, Ky.
Trent Tile Co., Trenton, N. J.
Zanesville Tile Co., Zanesville, O.

Tile (Opalite)

Opalite Tile Co., Monaca, Pa.

*Tile (Promenade)

LUDOWICI-CELADON CO., 509 Chamber of Commerce bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Tile (Roofing)

(See Roofing Tile, Various Kinds)

Tile (Rubber)

(See also Mats & Matting, Rubber)

Baltimore Rubber Co. (Interlocking), Baltimore, Md.
Continental Rubber Works (Interlocking), Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co. (Interlocking), Akron, O.
Goodyear Tire & Rubber Co. (Interlocking), Akron, O.
GRISCOM-SPENCER CO. ("Anchor Brand"), 90 West, New York, & ft. Washington av, Phila., Pa. (See adv. index & branch offices, end of book)
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Manhattan Rubber Mfg. Co., 18 Vesey, New York
National Metal Back Rubber Tiling Co., Betz bldg, Phila., Pa.
New York Belting & Packing Co. (Ltd.) (Interlocking), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., ("Pennsylvania" Interlocking), Jeannette, Pa. (See adv. index & branch offices, end of book)
Republic Rubber Co., Youngstown, O.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Tile (Sidewalk)

(See also Brick Manufacturers, Vitrified Paving)

Hocking Valley Fire Clay Co., Nelsonville, O.
Logan Brick Mfg. Co. (Vitrified Glazed), Toledo, Ohio, Works, Logan, Ohio
Mason City Brick & Tile Co. (Vitrified), Mason City, Ia.
Nelsonville Brick Co., Nelsonville, Ohio
Solsson, Jos. Fire Brick Co., Connellsville, Pa.
Wabash Clay Co., Veedersburg, Ind.

Tile (Slate)

(See Slate Floor Tile)

Tile (Terra Vitrae)

American Encaustic Tiling Co., 1123 B'way, New York, & Zanesville, O.
Hartford Faience Co., Hartford, Conn
Zanesville Tile Co., Zanesville, O.

Tile (Vitreous Floor)

AKRON ROOFING TILE CO. (Quarries), Akron, O. (See adv. index & branch offices, end of book)
Alexander & Reed Co., 127 E 23d, New York
Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 1123 B'way, New York, & Zanesville, O.
Cambridge Tile Mfg. Co., Covington, Ky.
FLEMING & CO. (Red, Buff & Black Quarries). 253 B'way, New York. (See adv. index, end of book)
Lage (Mrs.), Bernhard H., 484 Greenwich, New York. Factory, Menlopark, N. J.
Lage, Otto C., 192 E 16th, New York
Mosaic Tile Co. (also Semi-Vitreous or Ecaustic), Zanesville, O., & 109 W 26th, New York
New York Vitrified Tile Works, 70 4th, Brooklyn, N. Y.
Perth Amboy Tile & Ceramic Co., Perth Amboy, N. J.
Providential Tile Co., Trenton, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Rossman, Robert, 149 W 24th, New York
Trent Tile Co. (White & Colored), Trenton, N. J.
United States Encaustic Tile Co., Indianapolis, Ind.
Zanesville Tile Co., Zanesville, O.

Tiling (Acid Proof)

(For Chemical Works)

La Clede-Christy Clay Products Co., St. Louis, Mo.
Reconstructed Granite Co., 14 Dey, New York; Works: Norristown, Pa.

Tiling (Interlocking Rubber)

(See Firms in Tile, Rubber, with the word "Interlocking" following their Name)

Tills (Alarm)

Chicago Scale Co., 292 Jackson boul, Chicago, Ill.
Miles Alarm Till Mfg. Co., Providence, R. I.
Russell & Edwin Mfg. Co., New Britain, Conn., & 89 Lafayette, New York
Tucker & Dorsey Mfg. Co. ("Tucker"), Indianapolis, Ind.

Time Detectors

(See Clocks, Watchman's)

Time Recorders

(See also Clocks, Time Recording System)

American Watchman's Time Detector Co. ("Cleveland Magneto"), 206 E 4th, S E, Cleveland, O.
BRISTOL CO. (Electric), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Buerk, J. E. ("Buerk"), 230 Washington, Boston, Mass.
Bundy, W. H. Recording Co., Syracuse, N. Y.
Cincinnati Time Recorder Co., Cincinnati, O.
Crouse-Hinds Co. ("Hawley"), Syracuse, N. Y.
Dey Time Register Co., Endicott, N. Y.
Du Vivier, Ernest H., 30 Church, New York
Follett Time Recording Co., 173 Greenwich, New York
General Watchmen's Time Detectors Co., 92 Chambers, New York
Herzog Teleseme Co., 137 W 24th, New York
Holtzer-Cabot Electric Co. ("Watchmen's"), Brookline, Mass.
HOWARD, E. CLOCK CO., 373 Washington, Boston, Mass. (See adv. index & branch offices, end of book)

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67 Maiden Lane, New York, N.Y.
103 State Street, Chicago, Ill.

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Imhauser, E. & Co. ("Watchman's"), 202 B'way, New York
International Time Recording Co. ("Rochester," "Bundy," "Chicago" & "International Card"), Binghamton, N. Y.
Nans & Co., 127 Duane, New York.
NATIONAL GAUGE CO. ("Imperial," Portable), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Time Recorder Co., 240 W Lake, Chicago, Ill.
Penfield, C. M., Hartford, Conn.
Pettes & Randall Co., 150 Nassau, New York
Sanford, C. E., 18 Broadway, New York
Simplex Time Recorder Co. ("Simplex" Employee's), Gardner, Mass.
Stambaugh, Wm. B. (Automatic Time Dating Machines), Metropolitan Life bldg, New York
Syracuse Time Recorder Co., Syracuse, N. Y.

Timeometers

Automatic Time Stamp Co. (For Telephone Toll Line Switchboards), 160 Congress, Boston, Mass.

Timers (Spark)

Altemus, C. L. & Co. ("Altemus" & "Bowles"), The Bourse, Phila., Pa.
American Coil Co., Foxboro, Mass.
Atwater-Kent Mfg. Works, 42 N 6th, Philadelphia, Pa.
Beckley-Ralston Co., 80 Mich. av, Chicago, Ill.
Bemus, T. Alton Co., 294 Wash'n, Boston, Mass.
Bosch, Robert, 160 W 56th, New York
Brooklyn Automobile Co. ("Leavitt"), 1239 Fulton, Brooklyn, N. Y.
Brock-Barbier Auto Ignition Co., 148 W 54th, New York
Byrne, Kingston & Co., Kokomo, Ind.
Champion, Albert Co. ("Nieuport" Sole Agents), 541 Tremont, Boston, Mass.
Connecticut Telephone & Electric Co., Meriden, Conn.
Continental Engine Co. ("C. E."), Fisher Bldg., Chicago, Ill.
Crouse-Hinds Co., 282 Water, Syracuse, N. Y.
Dayton Electrical Mfg. Co., 89 St. Clair st, Dayton, Ohio
Dow Portable Electric Co., Braintree, Mass.
Fulmer, C. F. ("Invincible"), Plainfield, N. J.
Hardy, R. E. Co., The, 86 Watts, New York
Hawkins Mfg. Co., 506 Atlantic av, Boston,
Herz & Co., 205 Lafayette, N. Y. Mass.
Illinois Automobile & Parts Co. ("Holts"), Peoria, Ill.
Kellogg Mfg. Co., Rochester, N. Y.
Kokomo El. Co., Kokomo, Ind.
Kowalsky Engine Co., Verona, Pa.
Lindsay, A. M. Igniter Co., 2506 Third av S, Minneapolis, Minn.
Milwaukee Auto Eng. & Supply Co., 706 Winnebago, Milwaukee, Wis.
Mosler, A. R. & Co. (Inc.) ("Eccentric"), 168 W 29th, New York
New York Coil Co., 338 Pearl, New York
Pittsfield Spark Coil Co. (Secondary Distributors), Dalton, Mass.
Post & Lester Co. ("E. I. C."), Hartford, Conn.
Powell Muffler & Timer Mfg. Co, ("Twentieth Century"), Utica, N. Y.
Providence Spark Coil Co., 143 Summer, Providence, R. I.
Quad Mfg. Co., 37 S. Scioto, Columbus, Ohio
Rubay, Leon, 140 W. 68th, New York
Schug El. Mfg. Co., 320 Jefferson av, Detroit, Mich.
Sintz, Guy L., 255 S Front, Grand Rapids, Mich.
Splitdorf, C. F., 17 Vandewater, New York
Thurston, F. A., 356 E 57th, Chicago, Ill.
Uncas Specialty Co., Norwich, Conn.
Westerfield Motor Co., Anderson, Ind.
Youse, E. S., Reading, Pa.
Zimmerman-Smith Co., N. Tonawanda, N. Y.

Tin (Bar & Pig)

American Metal Co., 52 B'way, New York
Chadwick-Boston Lead Co., Boston, Mass.
Davol, Jno. & Sons, 100 John, New York
Gilbert, A. & Sons Brass Foundry, St. Louis, Mo.
Hayman, Mich'l & Co., Buffalo, N. Y.
Hendricks Bros., 49 Cliff, New York
Hofeller Smelting & Refining Co., Buffalo, N. Y.
Hungerford, U. T. Brass & Copper Co., 497 Pearl, New York
LEAVITT, C. W. & CO. (Pig Tin Only), 30 Church, New York. (See adv. index, end of book)
Lisberger, B. & Co., 739 E 14th, New York
Lissberger, Marks & Son, 281 Borden av, Brooklyn, N. Y.
Los Angeles Smelting & Refining Co., Los Angeles, Cal.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Peerless Alloy Co., Denver, Col.
Selby Smelting & Lead Co., San Francisco, Cal.
Waite, Ranlet & Co., Boston, Mass.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Woodfall Bros., 1105 Fairmount av, Phila., Pa.

Tin Crystals

Butterworth-Judson Co., Newark, N. J.
Cochran Chemical Co., Boston, Mass.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., The Arcade, Cleveland, O., & 63 Wall, New York
Merrimac Chemical Co., Boston, Mass.

Tin Ears

Horan Stay Hanger Co. (For Tin Buckets), Louisville, Ky.

Tin Foil

Budde & Westerman, 50 Vesey, New York
Cohn, Hugo & Co., 67 Murray, New York
Conley Tinfoil Co. (Wrapping Machine Foil), 521 W 25th, New York
Crooke, Jno. J. Co., 186 Grand, New York, & 149 Fulton, Chicago, Ill.
Hutchinson, W. H. & Son, 196 Desplaines, Chicago, Ill.
Johnston Tin Foil & Metal Co., 6016 S B'way, St. Louis, Mo.
Lehmaier, Schwartz & Co., 207 E 23d, New York
Wittemann Bros., Wolcott & Ferris, Brooklyn, N. Y.

Tin Plate Bars

(See also Black Plates for Trimming)

Andrews Steel Co., Newport, Ky.
Ashland Steel Co. (Bessemer Steel), Ashland, Ky.
Carnegie Steel Co. (Bessemer Steel), Pittsburg, Pa.
Dover Forge & Iron Co. (Charcoal Iron), Canal Dover, O.
Follansbee Bros. Co., Pittsburg, Pa.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Job Iron & Steel Co., Ashland, Ky.
Republic Iron & Steel Co., Pittsburg, Pa.
Vulcan Charcoal Iron & Steel Co. (Charcoal Iron), Crum Lynne, Pa.

Tin Plate Dipperies

(See Tin Plate Manufacturers)

*Tin Plate Importers

LEAVITT, C. W. & CO., 220 B'way, New York. (See adv. index, end of book)

Tin Plate Mfrs.

(See also Black Plates for Trimming; also Tin Plate Bars)

Alconia Co. (Tin & Terne Plate), Pittsburg, Pa.
American Sheet & Tin Plate Co. (Tin & Terne Plate), Pittsburg, Pa.
BERGER MFG. CO., The, Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Cannonsburg Steel & Iron Works (Tin & Terne Plate), Cannonsburg, Pa.
Carnahan Tin Plate & Sheet Co. (Tin & Terne Plate), Canton, O.
Ferguson Tin Plate Co. (Terne Plates, Buy Black Sheets), Pittsburg, Pa.
Follansbee Bros. Co (Tin & Terne Plate), Pittsburg, Pa.
Griffiths Charcoal Iron Mills (Tin Plate Only), Washington, Pa.
Hamilton, Jno. (Terne Plate, Buy Black Sheets), Pittsburg, Pa.
McKeesport Tin Plate Co. (Tin Plate Only), McKeesport, Pa.
MERCHANT & EVANS CO. (Inc.) (Tin & Terne Plates, Buy Black Sheets), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Meurer Bros. Co. (Tin & Terne Plate, Buy Black Plates), Brooklyn, N. Y.
Phillips Sheet & Tin Plate Co. (Tin & Terne Plate), Clarksburg, W. Va.
Pope Tin Plate Co. (Tin Plate Only), Pittsburg, Pa.
Standard Tin Plate Co. (Tin & Terne Plate), Cannonsburg, Pa.
Taylor, N. & G. Co. (Tin & Terne Plate), Mariner & Merchants' bldg, Phila., Pa.
United Sheet & Tin Plate Co. (Tin & Terne Plate), Mariette, O.
Washington Tin Plate Co. (Tin & Terne Plate), Washington, Pa.
Western Tin Plate & Sheet Co. (Tin & Terne Plate), Greencastle, Ind.
Wheeling Corrugating Co., Wheeling, W. Va.

Tin Plate, Metals, Etc.

(See also Roofing Materials; also Roofing & Siding Iron & Steel; also Tin Plate Manufacturers)

ARKANSAS.

LITTLE ROCK—Fones Bros. Hdw. Co.

CALIFORNIA.

LOS ANGELES—Boynton, H. R. C., 216 N Los Angeles
Harper & Reynolds Co., 152 N Main
Holbrook, Merrill & Stetson, 200 S Central av
Hooker, J. D. Co. (Inc.), 130 S Los Angeles
Montague, W. W. & Co., 124 N Los Angeles
SACRAMENTO—Schaw-Batcher Co.
SAN FRANCISCO—Arnold Hardware Co., 520 Burnstine Bros., 584 Brannan Webster
Dalziel-Moller Co., 543 Mission
Dunham, Carrigan & Hayden Co., 131 Kansas
Garrett, W. T. & Co., Fremont & Natoma
Holbrook, Merrill & Stetson, 6th & Townsend
Montague, W. W. & Co., Turk & Polk
Pacific Hardware & Steel Co., 7th & Townsend
Pacific Metal Works, 153 1st
Schaw-Batcher Co., 356 Market
Speddy, T. H. & Co., Balboa bldg
Tay, Geo. H. Co., 617 Mission.

COLORADO.

DENVER—Rowntree, Jno. T., Continental bldg

CONNECTICUT.

BRIDGEPORT—Chapman & Bangs Co.
Hunter & Havens
HARTFORD—Blodget & Clapp Co.
Ensworth, L. L. & Son.
NEW HAVEN—Mersick, C. S. & Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Adler, M. J., 3148 M, N W
Kendall, J. B., 486 Mo av, N W
Lamble, Jas. B. Co., 1415 N. Y. av, N W

GEORGIA.

ATLANTA—Conklin Tin Plate & Metal Co.
SAVANNAH—Conklin Tin Plate & Metal Co.
Weed, J. D. & Co.

ILLINOIS.

ALTON—Degenhardt, A. J.
CHICAGO—Allerton-Clarke Co., 118 Lake
Hamilton, F. A. & Co., 243 E 43d
Hibbard, Spencer, Bartlett & Co., State St.
Johnston, Jno. & Co., 233 Lake Bridge
McVoy Sheet & Tin Plate Co., 25 Michigan
MERCHANT & EVANS CO. (Inc.), 113 W Sheldon. (See adv. index, end of book)
Scully Steel & Iron Co., 103 Wayman
Shepard, C. Sidney & Co., 1532 Wabash av
Trench, Dan'l G. & Co., 5 Wabash ave
Woodley, James C. & Co., 2356 Lumber
Wright-Thiffault Co., 101 Kinzie
GALESBURG—Galesburg Cornice Works
OTTAWA—Jordan, R. C.
Refoir-Barr Co.
PEORIA—Clark, Quien & Morse
Hunter & Strehlow
Walker, Isaac Hdw. Co.
QUINCY—Cottrell Hdw. Co.
Tenk Hdw. Co.

INDIANA.

EVANSVILLE—Thiele, I. A.
FORT WAYNE—Ash, H. J.
Seavey Hdw. Co.
INDIANAPOLIS—Indianapolis Corrugating Co.
Indianapolis Stove Co., Roosevelt & Calvin Mfg av
Standard Metal Co., Illinois & South

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Tanner & Co., 216 S Meridian
Van Camp Hdw. & Iron Co., 401 W Maryland
RICHMOND—Jones Hardware Co.
TERRE HAUTE—Smith, C. C. Sons Co.
Townley Hardware & Stove Co.

IOWA.

BURLINGTON—Donahue, Robt. Iron & Hard-
DUBUQUE—Klauer Mfg. Co. ware Co.
Tredway, A. & Sons Hdw. Co.

KANSAS.

ATCHISON—Blish, Mise & Silliman Hdw. Co.
Harwi, A. J. Hardware Co.
LEAVENWORTH—Crancer, J. W. & Co.

KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co. 121 W Main
Bridgeford & Co., 501 W Main
Connor, Chas. H. & Co., 17th & Arbegust
Stratton & Terstegge Co., 728 W Main
Todd-Donigan Iron Co., 817 W Main

LOUISIANA.

NEW ORLEANS—Stauffer, Eshleman & Co.

MAINE.

EASTPORT—Milliken, B. F. & Son (Canners' Supplies)
LEWISTON—Stetson, J. H. Co.

MARYLAND.

BALTIMORE—Ammidon & Co., 31 S. Frederick
Baltimore Copper Smelting & Rolling Co. (Copper Only), Keyser bldg
Central Metal & Supply Co., 615 E. Lombard
Clendenin Bros., 1417 Thames
Fuller, Wm. & Co., 111 S Charles
Lyon, Conklin & Co., 13 Balderston
MERCHANT & EVANS CO. (Inc.), 232 St. Paul. (See adv. index, end of book)
Nimmo, W. O. & Co., 105 Chesapide
Parker, E. L. & Co., 208 St. Charles

MASSACHUSETTS.

BOSTON—Austin & Doten, 102 North
Brown-Wales Co., 83 Purchase
Fits, Dana & Co., 110 North
Foster, W. T. & Co., 9 Bowker
Gallagher, D. F. & Co., 37 Commercial wf.
Harvey, Arthur C. Co., 391 Congress
Herrick Co., 47 Broad
Lloyd, Geo. H., 131 State
Richards & Co., 200 Causeway
Studley & Simpson, 137 North
Waite, Ranlet & Co., 82 Broad
Wheeling Corrugating Co., 132 Pearl
SPRINGFIELD—Lewis, Chas. C., Co., 30 Lyman
New England Plumbing Supply Co.
WORCESTER—McGuinness, J. F.

MICHIGAN.

BATTLE CREEK—Bock, C. F. & Son
Brockett, L. B. & Sons
DETROIT—Buhl, Sons Co., 115 Woodbridge
BURTON, W. J. CO., 161 W. Congress. (See adv. index, end of book)
Fletcher Hardware Co., 61 W Woodbridge
Freeman, Delamater & Co., 8 Woodward av
Standart Bros., 155 W Woodbridge
Walker Mfg. & Supply Co., 136 Larned
GRAND RAPIDS—Foster, Stevens & Co.
KALAMAZOO—Edwards & Chamberlin Hdw. Co.
SAGINAW—VALLEY CORNICE & Slate Co., Ltd., 314-318 W Hamilton, W S. (See adv. index, end of book)

MINNESOTA.

DULUTH—Duluth Corrugating & Roofing Co.
MINNEAPOLIS—Janney, Semple, Hill & Co.
Morison, W. K. & Co., 249 Nicollet av
ST. PAUL—Decker, Adam Hardware Co. (Est. of), 347 Jackson
Farwell, Ozmun, Kirk & Co., Jackson, N W Cor 2d
Hackett-Walther-Gates Hdw. Co., 270 E. 4th
St. Paul Roofing, Cornice & Ornament Co.
WINONA—Cone, R. D. Co. St. Paul, Minn.

MISSOURI.

KANSAS CITY—Gille Mfg. Co., 1058 St. Louis av
MERCHANT & EVANS CO. (Inc.), 2008 Baltimore av. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., S Bay & Aldrich. (See adv. index, end of book)
Richards & Conover Hdw. Co., 5th c Wyandotte
Twichell Iron Co.
ST. JOSEPH—Wyeth Hdw. & Mfg. Co.
ST. LOUIS—Norvell-Shapleigh Hdw. Co., Washington & 3d
Simmons Hdw. Co., Spruce & 9th
Witte Hdw. Co., 704 N 3d

NEBRASKA.

OMAHA—Lee-Glass-Andreesen Hdw. Co., 9th & Harney
Lehmer, Jos. R., 1212 Farnam.
Wright & Wilhelmy Co.

NEW HAMPSHIRE.

MANCHESTER—Pike & Heald Co., 972 Elm

NEW JERSEY.

ELIZABETH—Elizabeth Hdw. Co., 203 Broad
JERSEY CITY—Letcher & Norton, 193 Morgan
N. Y. Iron Roofing & Corrugating Co., 1st & Wash'n
NEWARK—Coe-Faitoute Co., 62 Lawrence
Coe, Jas. A & Co., 106 Mulberry
Egbert, W. V. & Co., 37 Mechanic
Macknet & Doremus, 796 Broad

NEW MEXICO.

ALBUQUERQUE— Post, E. J. & Co.

NEW YORK.

ALBANY—Hoy & Co.
AUBURN—Smith & Pearson
BINGHAMTON—Babcock, Hinds & Underwood, 147 Wash'n
BUFFALO—Beals & Co., 44 Terrace
Buffalo Wholesale Hdw. Co., 331 Wash'n
Hofeller, Theo. & Co., 108 Terrace
Newman, W. H. H. & Co., 70 Main
Schmahl, Jacob, 26 Lloyd
Walbridge & Co., 392 Main
Weed & Co., 298 Main
ELMIRA—Booth, Irving D.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Knight, Thos. G., 52 Myrtle av
MERCHANT & EVANS CO. (Inc.), 584 Flushing av. (See adv. index, end of book
Meurer Bros. Co., 575 Flushing av
Ring, Chas. E., 423 Kent av

Boroughs of Manhattan & Bronx.

NEW YORK—Berliner, H. E., 68 Broad
Bruce & Cook, 190 Water
De Milt, H. R. & Co., 238 Water
Dickerson, Van Dusen & Co., 82 Cliff
EDWARDS MFG. CO., 359 W 26th. (See adv. index, end of book)
Feld, Geo. A. Co., 162 E 129th
Fitz-Dana & Brown, 478 Pearl
Fox Bros. & Co., 126 Lafayette
Fuller Bros. & Co., 139 Greenwich
Hoffman & Scofield, 100 Beekman
HUNGERFORD, U. T. BRASS & Copper Co., 497 Pearl
LEAVITT, C. W. & CO., 220 B'way. (See adv. index, end of book)
MERCHANT & EVANS CO. (Inc.), 242 Water. (See adv. index, end of book)
Ogden & Wallace, 581 Greenwich
Phelps, Dodge Co., 99 John
Roberts, F. K. Co., 196 Chambers
Sel, Benj. & Co., 59 Orchard
Trench, C. S. & Co., 81 Fulton

(End of New York City)

PORT JERVIS—Gordon & Malven Co.
ROCHESTER—Mathews & Boucher.
SCHENECTADY—Case, Levi & Co.
SYRACUSE—Burhans & Black Co.
Syracuse Hdw. & Iron Co.
TROY—Warren, J. M. & Co., 245 River
UTICA—Miller, Chas. & Son Co.
WATERTOWN—Hunting Co.
Spratt, Corcoran & Foley Co.

OHIO.

CINCINNATI—American Galvanizing Co., 820 E Pearl
Cincinnati Tin & Japan Co., 308 Walnut
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Graham, Frank C. Co., Com. Trib. bldg
Huenefeld, E. H. Co., Inc., Spring Grove av & Straight
Lawson, F. H. Co., Wateley, nr Evans
McDonald, J. & Sons Co., 654 Main
Queen City Tinware Mfg. Co., 225 Walnut
Robertson, W. F. Steel & Iron Co. (Sheet Iron & Steel, Tin & Terne Plates, etc.), Elm, below 2d
CLEVELAND—Bassett-Presley Co., Western Reserev bldg
Bingham, W. Co., 1433 W. 9th, N. W.
Garry Iron & Steel Co., 1270 E 53d, N E
Lockwood-Taylor Hdw. Co., 1385 W. 9th, N. W.
Luetkemeyer, H. W. & Sons, 419 Superior av, N. W.
McIntosh Hardware Corp'n, 725 Superior av, N. W.
Osborn, J. M. & L. A. Co., 1047 Superior av, N. W.
Worthington, Geo. Co., 814 St. Clair
COLUMBUS—Janeway, W. F., 161 N Lasalle
Mithoff, H. & Co., 284 S High
Moore Co., 481 Market space
Schoedinger, F. O., 146 N 3d
DAYTON—Roth, Abraham & Son, 33 W 2d
Hartman-Frans Co., 116 N St Clair
FOREST—Dickelman Mfg. Co.
LISBON—Armstrong, P. M. & Co.
MANSFIELD—Blymer Bros. Co.
TOLEDO—Bostwick-Braun Co.
Stollberg Hardware Co., 605 Cherry

OREGON.

PORTLAND—Failing, Haines & McCalman, 88 Front
Hofius Steel & Equipment Co. (Brady, M. F.), Cham. of Com.
Pacific Metal Works, 78 2d, N

PENNSYLVANIA.

ALLENTOWN—Shelley, C. Y. & Bro.
HAZLETON—Bright, J. C. & Co.
LANCASTER—Reilly Bros. & Raub
Sheet Metal & Supply Co.
Steinman Hdw. Co.
NEW CASTLE—Smith, Hutton & Kirk Co.
PHILADELPHIA—Baily, R. M. & Co., Arcade bldg
Berger Bros. Co. (Also Tinners' Tools & Supplies), 237 Arch
Berger, Leander D., 50 N. 2d
Calvert & Holloway, 68 N 2d
Carter, Donlevy & Co., 1012 Cherry
Gummey, McFarland & Co., 147 N 10th
Hall & Carpenter, 518 Race
Jolley, J. H. & Co., 42 N 5th
Lukens, Thos. F., Metal Co., 238 N. 4th
Marshall Bros. & Co., 30 Girard av
MERCHANT & EVANS CO. (Inc.), 517 Arch. (See adv. index, end of book)
Potts, W. F. Son & Co., 1224 Cherry
Purves Machy. & Iron Co., South & Water
Riter Bros. & Co., 1022 Race
Stelwagon Mfg. Co., 19th & Wash'n
Trotter, Nathan & Co., 36 N Front
Wilson, E. H. & Co., Arcade bldg
PITTSBURG—Bindley Hdw. Co., 429 7th av
Jemmler Bros., 633 Liberty av
Hamilton, John, Gloster & Elizabeth
POTTSVILLE—Bright & Co.
READING—Bard Hardware Co., 800 Penn
Stichter Hdw. Co. (Ltd.), 506 Penn
WILKES-BARRE—Bertels, W. B. Son & Co.
Penna. Supply Co.
WILLIAMSPORT—Kline & Co.
YORK—Small, P. A. & S.

RHODE ISLAND.

PROVIDENCE—Congdon & Carpenter Co.

SOUTH CAROLINA.

CHARLESTON—Shepherd Supply Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Roofing & Foundry Co.
Magill Hdw. Co.
MEMPHIS—Livermore Foundry & Mach. Co.
Pidgeon, Thomas, Iron Co.

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TEXAS.

AUSTIN—Tips, Walter
Webb, Taylor & Perry
FORT WORTH—Nash Hdw. Co.
GALVESTON—Parr, Wm. & Co.
HOUSTON—Heitman, F. W. Co.
Peden Iron & Steel Co.
LAREDO—Deutz, A. & Bro.
WACO—Strauss, Edw.

UTAH.

SALT LAKE CITY—Strevell-Paterson Hdw. Co

VERMONT.

BARRE—Phelps, N. D., Co.
MONTPELIER—Blanchard, Fred.

VIRGINIA.

LYNCHBURG—Barker-Jennings Hdw. Co.
Handy, N. B. Co.
NORFOLK—Howard, Paul R. Hdw. Co.
RICHMOND—Gordon Metal Co. (Jobbers)

WASHINGTON.

SEATTLE—Hofius Steel & Equipment Co.
Waterhouse & Price Co., Alaska trade

WEST VIRGINIA.

WHEELING—Wheeling Corrugating Co.

WISCONSIN.

GREEN BAY—Gotfredson Bros.
MILWAUKEE—Franfurth, Wm., Hdw. Co., 119 W. Water
Frankfurth, Wm. Hdw. Co., 119 W Water
MILWAUKEE CORRUGATING CO.
(See adv. index, end of book)
Pritzlaff, Jno., Hardware Co., 33 W. Water
SHEBOYGAN—Geele, F. Hdw. Co.

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Tin Salts

Thomsen Chemical Co., Baltimore, Md.

Tinners' Furnaces

(See Furnaces, Gasoline Blast)

Tinners' Supplies, Etc.

(See Index of Contents for Specific Article Wanted. If Not Found, Write Us)

Tinners' Trimmings

Central Stamping Co., 174 Fulton, New York
Hero Fruit Jar Co., Gaul & Adams, Phila., Pa.
Vogel, Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

Tinning & Japanning

American Tube & Stamping Co., Bridgeport, Conn.
Buffalo Galvanizing & Tinning Works (Tinning Only), 79 Jackson, Buffalo, N. Y.
Canton Malleable Iron Co. (Japanning Only), Canton, O.
Cincinnati Stamping Co., Cincinnati, O.
Devlin, Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eberhard Mfg. Co. (Tinning & Galvanizing), Elbel Co., Canton, O. Cleveland, O.
Frazer & Jones Co., Syracuse, N. Y.
Grabler Mfg. Co., Cleveland, O.
Igoe Bros. (Tinning Only), 69 Metropolitan av, Brooklyn, N. Y.
Illinois Malleable Iron Co. (Tinning Only), 515 Diversey boul, Chicago, Ill.
Lefferts Galvanizing & Tinning Works (Tinning Only), 508 E 20th, New York
Lefferts, Jno. C. (Tinning Only), Smith, Bush & Hamilton avs, Brooklyn, N. Y.
Lynch, Peter (Japanning), 41 Ferdon, Newark, N. J.
Ohio Foundry Co. (Japanning Only), Cleveland, O.
Phila. Hardware & Malleable Iron Works (Inc.), 9th & Jeff'n, Phila., Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Sessions, J. H. & Son, Bristol, Conn.
Vogel, Wm. & Bros. (Japanning Only), 378 9th, Brooklyn, N. Y.
Western Malleable & Grey Iron Mfg. Co. (Tinning Only), Milwaukee, Wis.
White Mountain Freezer Co. (Tinning & Galvanizing), Nashua, N. H
Wilcox, Crittenden & Co. (Tinning of Castings of All Kinds), Middletown, Conn.

Tinware Mfrs.

(See also Enameled Hollow Ware Manufacturers; also Aluminum Hollow Ware; also Stamping, Various Kinds)

American Can Co., 447 W 14th, New York
Central Stamping Co. ("Puritan"), 174 Fulton, New York
Federal Mfg. Co. (Confectioners), Baltimore, Md.
Geuder, Paeschke & Frey Co. (Anti-Rust), also Enameled, Galvanized & Japanned Hollow Ware), Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., B'way & White, New York
Nichthauser & Levy, Provost & Java, Brooklyn, N. Y.
Wallace, Jno. W. Co., 396 S 2nd, Brooklyn, N. Y.
Wheeling Stamping Co., Wheeling, W. Va.

Tipples (Coal)

(See Tipples, Mine)

Tipples (Mine)

ALLIS-CHALMERS CO. (Steel), Milwaukee, Wis. (See adv. index & branch offices, end of book)
Fairmont Mining Machinery Co. (Steel & Wod), Fairmont, W. Va.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hunt & Patterson (Coal, Steel), Pittsburg, Pa.
Interstate Engineering Co. (Steel, Coal), Bedford, O.
JEFFREY MFG. CO, (Steel, etc.) Columbus, (See adv. index & branch offices, end of book)
McClintic-Marshall Construction Co. (Steel), Pittsburg, Pa.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
MINNEAPOLIS STEEL & MACHINery Co. (Steel), Minneapolis, Minn. (See adv. index & branch offices, end of book)
Mullen, John & Son (Coal), Shamokin, Pa.
Nelsonville Foundry & Machine Co. (Steel, Coal), Nelsonville, O.
Niles Mine & Mill Supply Co. (Steel, Coal), Cleveland, O., & Niles, O.
Parker, Tatcher, A. Co. (Steel, Coal), Terre Haute, Ind.
Penn. Bridge Co. (Steel, Coal), Beaver Falls, Pa.
Phillips Mine & Mill Supply Co., Pittsburg, Pa.
Pittsburg Conveying Machinery Co., Pittsburg, Pa.
Roberts & Schaefer Co. (Engineers & Contractors), Old Colony bldg., Chicago, Ill.
SCAIFE, WM. B. & SONS CO. (Steel), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Scottdale Foundry & Machine Co., Scottdale, Pa.
Sullivan Machinery Co. ("Wilson & Mitchell"), Railway Exchange, Chicago, Ill.
Virginia Bridge & Iron Co. (Steel, Coal), Roanoke, Va.
Wellman-Seaver-Morgan Co. (Steel), Cleveland, Ohio
Wisconsin Bridge & Iron Co. (Steel), Milwaukee, Wis.

Tips (Electric Cord)

Holland Electric Co., Boston, Mass.
McEvoy, C. H., Lowell, Mass.
NATIONAL-ACME MFG. CO., Cleveland, O.
Wire & Telephone Co. of America, Rome, N. Y.

Tips (Gas Burner)

Clough, Thos. (Steel), Dobbs Ferry, N. J.
Gas Tip & Self Lighter Co. (Aluminum), 149 Church, New York
Kirchberger, M. & Co. (Importers, Lava), 50 Warren, New York
State Line Mfg. Co. (Lava), Chattanooga, Tenn.
Steward, D. M. Mfg. Co. (Lava), Chattanooga, Tenn.
Sunlight Lava Mfg. Co. (Lava), Chattanooga, Tenn.
Thurnauer, G. M. & Bro. (Importers, Lava), 35 Park pl, New York

Tips (Mine Car)

Grant Iron W'ks ("Wren's"), Mahony City, Pa.

Tips or Caps (Railway)

Western Brass Mfg. Works, 21st & Rockwell, Chicago, Ill.

Tips (Rubber)

Continental Rubber Works, Erie, Pa.
Goodrich, B. F. Co., Akron, O.
Morgan & Wright (Inc.) (For Chairs, Canes, Crutch, etc.), Detroit, Mich.
PENNSYLVANIA RUBBER CO., (Chair, Crutch, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)

Tips (Rubber Chair & Crutch)

(See Tips, Rubber)

Tips (Screw)

Elastic Tip Co. (Slotted Rubber Head), Boston, Mass.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Tips (Shaft)

Buescher Band Instrument Co., Elkhart, Ind.
Cleveland Hdw. Co., Cleveland, O.
Covert Mfg. Co., Troy, N. Y.
Cowles, C. & Co., New Haven, Conn.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Searls Mfg. Co., 27 Mulberry, Newark, N. J.
Sparks, Withington Co., Jackson, Mich.

Tire Coolers ("Wolfe")

Wolfe, Matt L. & Son, Miamisburg, O.

Tire Fluid

Buffalo Specialty Co. (The "Neverleak" & "Glines" Liquid Rubber & "Holdfast" Liquid Shellac Cement for Automobiles & Bicycles), 375 Ellicott, Buffalo, N. Y.

Tire Repair Kits

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Hartford Rubber Works Co., Hartford, Conn.
Patterson, Gottfried & Hunter (Ltd.) ("Champion"), 146 Centre, New York

Tires (Automobile)

(See Tires, Various Kinds)

Tires (Baby Carriage)

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Continental Rubber Works, Erie, Pa.
Federal Rubber Co., Cudahy, Wis.
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Tires (Cushioned, Cellular, Etc.)

B. O. K. Tire Co., Goshen, Ind.
Bailey, C. J. & Co. ("Bailey Won't Slip"), 22 Boylston, Boston, Mass.
Fawkes Rubber Co., Mack blk, Denver, Colo.
Firestone Tire & Rubber Co., Akron, O.
Healy Leather Tire Co., 90 Gold, New York
H. M. & S. Armored Tire Co., Pittsburg, Pa.
Krotz Mfg. Co. (Cushion), Springfield, O.
Mesinger, H. & F. Mfg. Co. (Leather), 1801 1st av, New York
National Leather Tire Co., Owosso, Mich.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Rubber Tire Co. ("Lattina"), 1265 Arch, Philadelphia, Pa.
R. & P. Traction Tread Tire & Tube Co., 1265 B'way, New York
St. John Rubber Tire Co., 116 Broad, New York
Tennant Auto Tire Co., 140 W Main, Springfield, O.
Universal Tire Co. (Cushion), St. James bldg, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

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Tires for Crushing Machinery

Standard Steel Works Co. ("Standard" Solid Weldless), Harrison bldg, Phila., Pa.

Tires (Pneumatic, Double Tube)

Continental Rubber Works ("Palmer"), Erie, Pa.
Continental Caoutchouc Co. ("Continental"), 43 Warren, New York
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Elder Mfg. Co., 2305 N Illinois, Indianapolis, Ind.
Electric Rubber Mfg. Co., 253 W 47th, New York
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co. ("Fisk" Mechanically Fastened), Chicopee Falls, Mass.
Goodrich, B. F. Co. ("Goodrich") Akron, O.
Goshen Rubber Works, Goshen, Ind.
Goodyear Tire & Rubber Co. (Detachable Clincher), Akron, O.
G. & J. Tire Co. ("G. & J.," "Dunlop"), 549 E Georgia, Indianapolis, Ind.
Hall Gas Engine Co., Wollaston, Mass.
Harburg Tile Co., 232 W 58th, New York
Hartford Rubber Works Co. ("Hartford," "Won't Slip," "Dunlop's Detachable"), Hartford, Conn.
International Automobile & Vehicle Tire Co. ("Fox" Brand), Milltown, N. J.
Kokomo Rubber Co., Kokomo, Ind.
Mesinger, H. & F. Mfg. Co. (Leather), 1801 1st av, New York
Morgan & Wright, 19 N May, Chicago, Ill.
PENNSYLVANIA RUBBER CO., ("Pennsylvania" Clincher). (See adv. index & branch offices, end of book)
Samson Leather Tire Co., 12 W 33d, New York
Smith & Mabley ("Hercules"), 1765 Broadway, New York
Western Rawhide Belting Co. (Leather), Milwaukee, Wis.

Tires (Pneumatic, Single Tube)

De Laske & Throop Tire Co., Trenton, N. J.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich, B. F. Co. ("Goodrich"), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Goshen Rubber Works Co., Goshen, Ind.
Hartford Rubebr Works Co., Hartford, Conn.
International Automobile & Vehicle Tire Co. ("Stodder," "Endurance"), Milltown, N. J.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Tires (Rubber)

Acme Rubber Mfg. Co. ("Carriage"), Trenton, N. J.
Ajax-Grieb Rubber Co. ("Ajax" Carriage), Trenton, N. J.
Batavia Rubber Tire Co., Batavia, N. Y.
Broadway Rubber Tire Co., 253 W 47th, New York
Buckeye Rubber Co. ("Kelly-Springfield" Solid Vehicle), Akron, O.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Elder Mfg. Co., 2305 N Illinois, Indianapolis, Ind.
Electric Rubber Mfg. Co., Rutherford, N. J.
Empire Rubber Mfg. Co. (Bicycle, etc.), Trenton, N. J., & 60 Reade, New York
Federal Rubber Co. (Auto, Baby Carriage, etc.), Cudahy, Wis.
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co. (Mechanically Fastened), Chicopee Falls, Mass.
Gaulois Tire Co. ("Gaulois"), B'way & 56th.
G. & J. Tire Co., Indianapolis, Ind. New York
Goodrich, B. F. Co. (Automobile, Regular Clincher & "Quick Detachable"), Akron, O.
Goodyear Tire & Rubber Co. (Carriage, Automobile Cushion & Bicycle), Akron, O.
Hamilton Rubber Co., Trenton, N. J.
Hartford Rubber Works Co. (Pneumatic & Solid Vehicle), Hartford, Conn., & 83 Michigan av., Chicago, Ill.
India Rubber Co., Akron, O.
International Rubber Co. (Pneumatic & Solid, Automobile, Bicycle & Carriage), Milltown, N. J.
Kokomo Rubber Co. (Bicycle & Vehicle), Kokomo, Ind.
Lockport Rubber Works (Automobile Inner & Outer Tube), Lockport, N. Y.
Metallic Rubber Tire Co., 210 Centre, New York
Morgan & Wright (Inc.) (Automobile, Bicycle, etc.), Detroit, Mich.
Motz Clincher Tire & Rubber Co., Akron, O.
Munger Automobile Tire Co., Trenton, N. J.
N. Y. Belting & Packing Co. (Ltd.) (Carriage & Automobile), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., (Automobile, Bicycle, Vehicle, Baby Carriage, etc.), Jeannette, Pa. (See adv. index & branch offices, end of booo)
Penna. Rubber Tire Co., Reading, Pa.
Republic Rubber Co., Youngstown, O.
Rubber Tire Wheel Co., Springfield, O.
St. John Rubber Tire Co., 116 Broad, New York
Stein Double Cushion Tire Co. (Double Cushioned), Akron, O.
Stokes, Jos. Rubber Co. (Bicycle, etc.), Trenton, N. J.
Strohecker, J. A. & Co., Reading, Pa.
Sweet Tire & Rubber Co., Batavia, N. Y.
Swinehart Clincher Tire & Rubber Co., Akron, Ohio
Victor Rubber Tire Co., Springfield, O.

Tires (Solid)

Ajax-Grieb Rubber Co. ("Ajax" Carriage), Trenton, N. J.
American Wood Tire Co., Monadnock bldg, Chicago, Ill.
Buckeye Rubber Co. ("Kelly-Springfield") Akron, O.
Calumet Tire Rubber Co. ("Pegasus"), N 44th & Wabansia avs, Chicago, Ill.
Detroit Automobile Top Co., 265 Jefferson av, Detroit, Mich.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Evereitt, B. F., 63 Forte, Detroit, Mich.
Federal Rubber Co., Cudahy, Wis.
Firestone Tire & Rubber Co., Akron, O.
Flint Upholstering Co., Flint, Mich.
Goodrich, B. F. Co. ("Goodrich," Solid Rubber Vehicle), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Hartford Rubber Works Co., Hartford, Conn.
Longdin & Brugger, Found du Lac, Wis.
Middleton, Arthur H. ("Hubbard"), 2821 N Broad, Phila., Pa.
Morgan & Wright, 309 Mich av, Chicago, Ill.
Motz Clincher Tire & Rubber Co., Akron, O.
New Jersey Car Spring & Rubber Co. ("Wemoka"), Brunswick c Railroad av, Jersey City, N. J.
PENNSYLVANIA RUBBER CO., (Carriage & Metal-Base Truck), Jeannette, Pa. (See adv. index & branch offices, end of book)
Puncture Proof Tire Co., Cleveland, O.
Springfield Metal Body Co., Springfield, Mass.
Swinehart Clincher Tire & Rubber Co., Akron, Ohio

Tires (Steel)

Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Carnegie Steel Co., Pittsburg, Pa.
Illinois Steel Co., 115 Adams, Chicago, Ill.
Interstate Iron & Steel Co. ("Round & Square Edge, Grooved Steel, etc.), 1st Nat'l Bk. bldg, Chicago, Ill.
Midvale Steel Co. (Car & Locomotive Wheel), Nicetown, Phila., Pa.
Prosser, Thos. & Co. ("The Krupp"), 15 Gold, New York
Railway Steel Spring Co. ("Flatroba" Weldless, Forged & Rolled Steel Flanged), 30 Church, New York
Republic Iron & Steel Co. (Half Oval, etc.), Pittsburg, Pa.
Standard Steel Works (Car & Locomotive), Harrison bldg, Phila, Pa.
Sweet's Steel Co., Williamsport, Pa.

Titanium

Goldschmidt Thermit Co., 90 West, New York

Pennsylvania Rubber Company

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Toasters

American Electrical Heater Co. (Electric), 123 State, Detroit, Mich.
Andrews Wire & Iron Works ("Androck" Bread), Rockford, Ill.
Crane, W. M. Co. ("The Vulcan"), 16 W 32d, New York
Harkins & Willis (Bread), Ann Arbor, Mich.
Johns, H. W.-Manville Co. (Asbestos), 100 William, New York
Middletown Mfg. Co. ("Carrie's" Brand), Middletown, O.
Roseland Can & Specialty Co. ("Roseland"), Rockford, Ill.
Sloan Mfg. Co. (Bread, etc.), Kansas City, Mo.
Standard Stamping Co. ("Standard"), Marysville, O.
Syracuse Stamping Co., Syracuse, N. Y.
Wilson Toaster Mfg. Co. (Bread), Ferguson bldg, Pittsburg, Pa.

Tobacco Pouches (Rubber)

Goodrich, B. F. Co., Akron, O.

Toboggan Slides

Ingersoll Construction Co., Pittsburg, Pa.
Morris, E. Joy, 902 Walnut, Phila., Pa.
Phila. Toboggan Co., 180 E Duval, Gtn., Phila., Pa.

Toe-Calks (Steel)

Always Sharp Horseshoe Calk Mfg. Co., Jersey City, N. J.
American Calk Co. ("Sure-Grip"), Detroit, Mich.
American Horse Shoe Co., Phillipsburg, N. J.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Burke, P. F. (And "Dooley" Toe Calk), Dorr & Dorchester av, S. B., Boston, Mass.
Franklin Steel Works ("Standard," "Climax," "Sweets"), Cambridge, Mass., & Joliet, Ill.
Gautier Dept. Cambria Steel Co., Arcade bldg, Phila., Pa.
H. & Rowe Calk Co. ("H." & "Rowe"), Hartford, Conn.
Never Slip Mfg. Co. ("Neverslip" Red Tip Screws In), New Brunswick, N. J.
North & Pfeiffer Mfg. Co. (Screw), New Britain, Conn.
Phoenix Horse Shoe Co. ("Phoenix Bull Dog"), Chicago, Ill.
Reynolds, James Mfg. Co. ("Acme," "Wont-Slip" Removable), New Haven, Conn.
Rhode Island Perkins Horse Shoe Co. ("Perkins"), Providence, R. I.
Slipnot Calk Mfg. Co. ("Slipnot"), Hoboken, N. J.
Syracuse Calk Co., Syracuse, N. Y.
West'n Automatic Mach. Screw Co., Elyria, O.
Western Steel & Iron Co. ("Durkee"), Council Bluffs, Ia.
Williams Drop Forging Co. ("Williams Can't-Slip" Screw or Removable), Scranton, Pa.

*Tokens (Metal)

AMERICAN RAILWAY SUPPLY CO., 26 Park Row, New York. (See adv. index, end of book)

Tolanite

Philadelphia Clay Co. (Pulverized or Lump), 1201 Chestnut, Phila., Pa.

Tongs (Blacksmiths')

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co. ("Horseshoe"), Newark, N. J.
Champion Tool Co. ("Champion" Clinch & Common), Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Heller Bros. Co., Newark, N. J.
Moore Drop Forging Co., Springfield, Mass.
Stearns, E. C. & Co. ("Stearns," Swivel Jaw), Syracuse, N. Y.
Vaughan & Bushnell Mfg. Co., 875 Carroll av., Chicago, Ill.

Tongs (Bull)

Harrow Spring Co., Kalamazoo, Mich.

Tongs (Carbon)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Dunne, Geo. W. & Co. ("Robbins"), 689 Carroll av, Chicago, Ill.
Granger Iron Forge Works, 689 Canal, Chicago, Ill.
Kroeschell Bros. Co. ("Ideal"), 55 Erie, Chicago, Ill.
Robbins, Gamwell & Co. ("Robbins"), Pittsfield, Mass.
Schutte, E. G. & Co., 230 Stark, Cincinnati, O.
Storts, John & Son (Hoisting), 210 Vine, Phila, Pa.

Tongs (Charging)

Brass Founders Supply Co. (For Brass Fdrs.), Newark, N. J.

Tongs (Cross Tie)

Pittsburg Tool & Drop Forge Co. ("Chesswick"), Cheswick, Pa.

Tongs (Crucible)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Barnett, Oscar Foundry Co., Newark, N. J.
Byram & Co., 435 Guion, Detroit, Mich.
Dicke Tool Co., Downers Grove, Ill.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit Mich. (See adv. index & branch offices, end of book)
OSBORN MFG. CO., 5401 Hamilton av, N. E., Cleveland, O. (See adv. index, end of book)
Paxson, J. W. Co., Phila, Pa. (See adv. index, end of book)
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd., N. W., Cleveland, O. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Tongs (Hog)

Pratt, Wm. E. Mfg. Co. ("The Hill"), 91 Lake, Chicago, Ill.

Tongs (Ice)

Gifford-Wood Co., Hudson, N. Y.
Hiles, C. A. & Co., 14th & Western av, Chicago, Ill.
Louden Machinery Co. (Self Opening), Fairfield, Iowa
Metropolitan Specialty Mfg. Co. ("Handy"), Northampton, Mass.
Morton, D. B., Groton, N. Y.
Parks & Parks ("Little Giant" for Domestic Use), Troy, N. Y.
Stevens, Benj. A. Co., Toledo, O.
Schutte, E. G. & Co. ("Schutte"), 230 Stark, Cincinnati, O.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Vaughn & Bushnell Mfg. Co. ("V. & B."), 875 W Carroll av, Chicago, Ill.

Tongs (Joist or Timber)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co., Evart, Mich.
Oshkosh Tool Mfg. Co. (For Hoisting Timbers, etc., Into High Buildings), Oshkosh, Wis.

Tongs (Machinists')

Barnes Tool Co., New Haven, Conn.

Tongs (Piano Hammer Shank)

Kraeuter & Co., Newark, N. J.

Tongs (Pick-up Fire)

Krieger Tool & Mfg. Co., 479 N. Park, Chicago, Ill.

Tongs (Pipe)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Ashcroft Mfg. Co. ("Brown's" Adustable, etc.), 85 Liberty, New York
Barnes Tool Co., New Haven, Conn.
Case, W. A. & Son, 31 Main, Buffalo, N. Y.
Crane Co. (Est. 1855) ("Robbins," "Brown"), 519 S Canal, Chicago, Ill.
Darling Pump & Mfg. Co. ("Darling"), Williamsport, Pa.
Diamond Power Specialty Co. ("Diamond"), Detroit, Mich.
Granger Drop Forge Works, 689 Canal, Chicago, Ill.
Hollands Mfg. Co., Erie, Pa.
Illinois Malleable Iron Co., 515 Diversey boul., Chicago, Ill.
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Knapp, Jas. M., 12 Bowker, Boston, Mass.
Kroeschell Bros. Co., Chicago, Ill.
Mueller, H. Mfg. Co., Decatur, Ill.
OIL WELL SUPPLY CO. ("Kleim"), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Power Specialty Co. ("Diamond"), Detroit, Mich.
Rochester Drop Forge Co. ("Robbins" Pattern Chain, Common & "Brown's" Adjustable), Rochester, N. Y.
Ross Gear & Tool Co. ("Headson"), Lafayette, Ind.
Saunders', D. Sons, Yonkers, N. Y.
Storts, Jno. & Son, 210 Vine, Phila., Pa.
Union Drop Forge Co. (Parts Only), 69 Indiana, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.

Tongs (Rail)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Byram & Co., 435 Guoin, Detroit, Mich.
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works, Evansville, Ind.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works (Ltd.), Pittsburg, Pa.
Lovejoy Tool Works, 83 E. Ohio, Chicago, Ill.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Arrott bldg, Pittsburg, Pa. Works, Cheswick, Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Vaughn & Bushnell Mfg. Co. ("B. & O." Drop Forged), Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg.
Warwood Tool Co., Wheeling, W. Va. Pa.

Tongs (Roofing)

Keene, Geo. C. & Co., Cincinnati, O.
MILWAUKEE CORRUGATING CO. (Jobbers), Milwaukee, Wis. (See adv. index & branch offices, end of book)
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt, Wm. E. Mfg. Co. ("Perfect"), 91 Lake, Chicago, Ill.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Tongs (Saw Brazing)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.

Tongs (Skidding)

(See Tools, Logging & Lumbermen's)

Tongs (Stone Handling)

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Lincoln Iron Works (For Handling Finished Work), Rutland, Vt.

Tongs (Tanners')

Hora, Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

Tool Bags (Linemen's)

Dicke Tool Co., Downers Grove, Ill.
Galewski, Adolph, 323 B'way, New York
Humphrey's, E. A. Sons, 1022 Ridge av, Phila., Pa.
Klein, Mathias & Son, 37 W Van Buren, Chicago, Ill.
Peddle, T. B. & Co., Newark, N. J.

Tool Bags (Plumbers' & Masons, Etc.)

BERNE, OTTO, S 12th, cor S Orange av, Newark, N. J. (See adv. index, end of book)

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Excelsior Implement Co. ("Excelsior"), 382 River, Troy, N. Y.
Galewski, Adolph, 823 B'way, New York
Johnson, Wm. (Hedenberg Works), Newark, N. J.
Marshalltown Trowel Co., Marshalltown, Ia.
Osborne, C. S. & Co., Harrison, N. J.

*Tool Boxes (Farriers')

WELLS BROS. Co. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Tool Chests

American Radiator Co. (Steel), 282 Michigan ave, Chicago, Ill.
American Tool Chest Co. (& Tool Cabinets), 200 W Houston, New York
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Jennings, C. F. & Co., 42 Murray, New York
Paine Furniture Co., 48 Canal, Boston, Mass.
Vanderman Plumbing & Heating Co. (Steel), Willimantic, Conn.

Tool Posts

Brown & Sharpe Mfg. Co. (Cutting-Off, etc.), Providence, R. I.
O. K. Tool Holder Co., Shelton, Conn.

Tool Sets

Fray, Jno. L. Co. (Hollow Handles), Bridgeport, Conn.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
Reed Mfg. Co. (Pipe), Erie, Pa.
United Awl & Needle Co. (Small for Hollow Handles), Boston, Mass.

*Tool Sets (Automobile)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)

Tool Stands (Portable)

Western Tool & Mfg. Co. ("Champion" Movable Bench), Springfield, Ohio

Tool Steel

(See Steel, Crucible; also Steel Bar Mills)

Tools (Adjustable Milling)

(See Mills, Adjustable Hollow)

Tools (Artesian Well Drilling)

(See Machinery, Well Drilling)

Tools (Asphalt Paving)

Contractors' Tool Co., 704 Arch, Phila., Pa.
Iroquois Iron Works, Buffalo, N. Y.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Universal Road Machinery Co., 120 Liberty, New York

Tools (Automobile)

ANDERSON FORGE & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
Blanchard, A. W. ("Blanchard" Tire Detacher), 10 Clinton, Brooklyn, N. Y.
Beckley-Ralston Co., 80 Michigan av, Chicago, Ill.
Brown, J. C. Mfg. & Garage Co. (Chain Tools), Butler, Ind.
Clark, A. N. & Son, Plainville, Conn.
Crane & Richardson, 114 Water, Boston, Mass.
Duane, W. J. & Co. (Tire Irons), 1771 B'way, New York
Elliott, W. J. & Co. (Tire Removers), 185 Franklin, Boston, Mass.
Essex Mfg. & Supply Co. (Bearing Scrapers), Newark, N. J.
Gay, E. L. (Gear, Cam & Flywheel Remover), Southbridge, Mass.
HAMMACHER, SCHLEMMER & CO. ("Tourist Autokit"), 123 4th av, New York (See adv. index, end of book)
Handy Tool Co. (Metal Punch & Bolt Clipper Combined), Bellevue, O.
Hatcher Auto Parts Co. (Crimping Tools), 138 Viaduct, Cleveland, O.
Motor Car Supply Co. ("Husky" Chain Tools), 1427 Michigan av, Chicago, Ill.
Noonan, A. S. Tool & Machine Co., Rome, N. Y.
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Center, New York
Rhodes Mfg. Co. (Tire Removers), Grand Rapids, Mich.
Richards Tool Co., 15 Court, Boston, Mass.
Shauver Co. (Tire Removers, "Springfield"), Springfield, Ohio
Uneedme Tool Co., ("Uneedme"), 61 E Spring, Cincinnati, O.
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)

Tools (Beading)

Faessler, J. Mfg. Co. (Rapid), Moberly, Mo.
Lovejoy Tool Works, 86 E. Ohio, Chicago, Ill.
Marshalltown Trowel Co., Marshalltown, Ia.
Wiedeke, Gustave Co. (Boilermakers), Dayton, O.

Tools (Bell Centering)

Braunsdorf-Mueller Co., Elizabeth, N. J.

Tools (Blacksmiths')

(See Index of Contents for Specific Article Wanted. If Not Found, Write Us)

Tools (Boilermakers')

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
Thomson, Alex., Fitchburg, Mass.
Wickes Bros., Saginaw, Mich.
Wiedeke, Gustav & Co. (Tube Expanders, Rivet Hole Reamers, Beading Tools, Tube Cutters, Center Markers, Rivet Punches, Dies, etc.), Dayton, Ohio

Tools (Boring)

Armstrong Bros. Tool Co., 104 N. Francisco av., Chicago, Ill.
Connecticut Valley Mfg. Co. ("Jennings" Wood), Chesterbrook, Conn.
Forest City Bit & Tool Co. (Wood Boring & Hollow Mortising), Rockford, Ill.
Fray, Jno. S. Co., Bridgeport, Conn.
Goodell Mfg. Co., Greenfield, Mass.
Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.
Lea, Thomas, New Brunswick, N. J.
Mayhew, H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. (Automatic), 28 Warren, New York. Works, Millers Falls, Mass.
National Mfg. Co., Worcester, Mass.
O. K. Tool Holder Co., Shelton, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Precision Boring Tool Co. ("Precision"), Wetherbee bldg, Detroit, Mich.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

*Tools (Burring)

WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Tools (Butchers')

(See Index of Contents for Specific Article Required. If Not Found, Write Us)

Tools (Cabinetmakers')

(See Specific Article Required)

Tools (Calking)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Atha Tool Co., Newark, N. J.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Brewer Bros. (Plumbers), 614 Filbert, Phila., Pa.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Carver Tool Works, Spring Valley, N. Y.
Drew, C. & Co., Kingston, Mass.
Falls Mfg. Co., San Francisco, Cal.
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Lovejoy Tool Works (Straight or Bent), 86 E Ohio, Chicago, Ill.
Mack & Co., Rochester, N. Y.
Mueller, H. Mfg. Co. (Combination Soil Pipe), Decatur, Ill.
Osborne, C. S. & Co., Harrison, N. J.
Pollard, J. G., 141 Raymond, Brooklyn, N. Y.
Storts, John & Son, 210 Vine, Phila., Pa.
White, L. & I. J. Co., Buffalo, N. Y.
Wiedeke, Gustav & Co. (Boilermakers'), Dayton, Ohio
Wilcox, Crittenden & Co., Middletown, Conn.

Tools (Carpenters')

(See Index of Contents for Specific Article Required. If Not Found, Write Us)

Tools (Carving)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Buck, Chas., Millbury, Mass.
HAMMACHER, SCHLEMMER & CO., 123 4th av, New York. (See adv. index, end of book)
Mack & Co. ("Addis" Style), Rochester, N. Y.
Millers Falls Co., 28 Warren, New York. Works, Millers Falls, Mass.

Tools (Cement Block Laying)

Maddux Concrete Tool Co., Muncie, Ind.

Tools (Cement Sidewalk)

(See Tools, Concrete Finishing)

Tools (Comb)

Grimes & Harris, Leominster, Mass.

Tools (Commutator Turning)

Bryant-Bery Steam Turbine Co., Detroit, Mich.
Fort Wayne Electric Works ("B. & B."), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Imperial Electric Co. ("Carr"), Akron, O.
Jordan Bros., 74 Beekman, New York
Phillips Mfg. Co., 60 Wall, New York
Tschuli & McBarron Machine Co. ("Excelsior"), Dayton, O.

Tools (Concrete Finishing)

Anderson, W. H. Tool & Supply Co. (Edgers, Groovers, Markers, Rollers, Framers, etc.), 14 Macomb, Detroit, Mich.
Connelly, P. F., Sioux Falls, S. D.
Contractors' Tool Co., 704 Arch, Phila., Pa.
Crafts, F. H. (Rollers, Jointers, Edgers, Name Stamps, etc.), Rochester, N. Y.
Duffy Mfg. Co., 125 Indiana, Chicago, Ill.
Jona Novelty Co. ("Jona"), Burlington, Iowa
Kramer Bros. Foundry Co. ("Gem"), Dayton, Ohio
Noble, Henry A., 206 Dock, Philadelphia, Pa.
Sheldon, E. H. & Co., 84 N May, Chicago, Ill.
Storts, John & Son, 210 Vine, Phila., Pa.
Waterloo Cement & Machinery Co., Waterloo, Ia.

Tools (Coopers')

American Axe & Tool Co., Glassport, Pa.
Atha Tool Co., Newark, N. J.
Atkins, E. C. & Co., Indianapolis, Ind.
Black, John B. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley's, G. W. Sons (Inc.), Westport, Conn.
Chapin, Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co., Cincinnati, O.
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co. ("Crescent" Punch), 703 S B'way, St. Louis, Mo.
Drew, C. & Co., Kingston, Mass.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Evansville Tool Works, Evansville, Ind.
Gregg, M. & Son, Rochester, N. Y.
Iron City Tool Co., Pittsburg, Pa.
Lowell, S. K. & Co., Chelsea, Mass.
Mack & Co. (Axes, Adzes, Anvils, Drawing Knives, Beck Horns, etc.), Rochester, N. Y
Nagengast, Jos. & Co., Bayonne, N. J.
Ohio Tool Co., Columbus, O.
Piqua Handle & Mfg. Co., Piqua, O.
Sandusky Tool Co. (Wood Tools, etc.), San

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Stortz, John & Son, 210 Vine, Phila., Pa.
Swan, Jas. Co., Seymour, Conn.
Vaughn & Bushnell Mfg. Co., 877 Carroll av, Chicago, Ill
White, L. & I. J. Co., Buffalo, N. Y.

Tools (Cutting-Off)

Armstrong Bros. Tool Co., 104 W San Francisco av, Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
Dwight Slate Machine Co., Hartford, Conn.
Fitchburg Machine Wrks, Fitchburg, Mass.
Goodell Mfg. Co., Greenfield, Mass.
Hill Standard Mfg. Co. ("Hill" High Speed). Anderson, Ind
O. K. Tool Holder Co., Shelton, Conn.
Pratt & Whitney Co. ("Johnson" Cutting-Off Blades), Hartford, Conn.
Walworth Mfg. Co., 128 Federal, Boston. Mass.
Western Tool & Mfg. Co. ("Champion"), Springfield, Ohio

Tools (Dentists')

American Oil & Supply Co., Newark, N. J.

Tools (Diamond)

Bazzanger, Jacques & Co., 108 Fulton, New York
DESSAU'S, S. SONS, 180 B'way, New York. (See adv. index, end of book)
Dickinson, Thos L., 64 Nassau, New York
Grant-Lees Mach. Co. (Black Diamond & Bortz), 1360 E 85th, N. E., Cleveland, O.
MEYERS, WILLARD F., 342 Vernon ave., Long Island City, N. Y. (See adv. index, end of book)

Tools (Diamond Point Turning)

Dickinson, Thos. L., 64 Nassau, New York
Hill Standard Mfg. Co., Anderson, Ind.
MEYERS, WILLARD F., 342 Vernon ave., Long Island City, N. Y. (See adv. index, end of book)

*Tools (Diamond Set)

DESSAU'S, S. SONS (For Truing & Turning, Grinding Wheels & All Other Mechanical Purposes), 180 B'way, New York. (See adv. index, end of book)

Tools (Drill Sharpening)

Atha Tool Co. (Steam Drill Tools), Newark.
Plumb, Fayette R., Fkd., Phila., Pa. N. J.

Tools (Drilling & Fishing, Oil Well)

Ackerman & Castle, Lima, O.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Best, Jno., Warren, Pa.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Crown Drilling Mach. Co., Akron, O.
Finlayson, Jno., Sistersville, W. Va.
Gibsonburg Machine Co., Gibsonburg, O.
Kesselman & Co., Butler, Pa., & Parkersburg, W. Va.
Keystone Driller Co. (Oil Well), Beaver Falls, Pa.
Kittanning Drilling Tool Co., Kittanning, Pa.
Larkin & Co., Butler, Pa.
Leidecker Tool Co., Marietta, O.
Muncie Gas Engine & Supply Co., Muncie, Ind
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Robertson, D. W., Bradford, Pa.
Sheridan, Jas. J. & Co., Mars, Pa.
Sinclair & Morrison Co., Lima, O.
Star Drilling Machine Co., Akron, O.
Struthers, Wells & Co., Warren, Pa.
Union Oil Tool Co., Los Angeles, Cal.
U. S. Engine Co., Parkersburg, W. Va.
West Virginia Tool Co., Sistersville, W. Va.

Tools (Electricians')

(See Tools, Linemen's)

Tools (Emergency)

Universal Tool Co. ("Mills's"), Springfield, Mass.

*Tools (Emery Wheel Turning)

BAY STAMPING CO., ("Bennett", Turning & Shaping), 380 Chandler, Worcester, Mass. (See adv. index, end of Book)

Tools (Expansion Boring)

Davis Expansion Boring Tool Co. (For Boring Mills, Lathes or Drill Presses), 3910 N B'way, St. Louis, Mo.

Tools (Farriers')

Atha Tool Co., Newark, N. J.
Champion Tool Co., Meadville, Pa.
Columbia Tool Co., Jamestown, Pa.
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works, Evansville, Ind.
Hammond, C. & Son, Ogonts, Pa.
Heller Bros. Co., Newark, N. J.
Vaughn & Bushnell Mfg. Co., 877 W Carroll av, Chicago, Ill.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

*Tools (Fillet Applying)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Tools (Firing)

Grabler Mfg. Co., Cleveland, O.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.

Tools (Granite & Stone Cutters')

(See also Pneumatic Stone Cutting Tools)

Ahern, Jas., Barre, Vt.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown, James H., 139 3d av, Brooklyn, N. Y.
Brunner & Lay, 133 W Polk, Chicago, Ill.
DALLETT, THOS. H. CO. (Pneumatic, etc.), 2300 York, Phila., Pa. (See adv. index, end of book)
Davey, J. H., New London, Conn.
Drummond, D. T., Quincy, Mass.
Hauck, Wm. J., 308 Southwest boul, Kansas City, Mo
Harvey, H. H., 608 Atlantic av, Boston, Mass.
HEARTLEY MACHINE, VARIETY IRON & Tool Works, Toledo, O. (See adv. index, end of book)
Heathcote, Thos., 829 Penna. av, Allegheny, Pa.
Isele, A. W. & Son, 51 Pitts, Boston, Mass.
Kelley, Benj. & Co., Belfast, Me.
Kemp, J. F., Quincy, Mass.
Livingston Mfg. Co., Rockland, Me.
Mead, I. V. & Co., 418 E 110th, New York
Mitton, Job G. & Son 27 S 23d, Phila., Pa.
Schueddig, F. Son, 525 S Jefferson, St. Louis, Mo.
Spargo, Edw., 68 Commerce, New Haven, Conn.
Stubbs Steel Co., 47 N 5th, Phila., Pa.
Sullivan & Donahue, Westerly, R. I.
Therien Tool Works, 116 1st av, N. Minneapolis, Minn.
Trow & Holden Barre, Vt.
Vogl Tool Co., 1910 Walnut, Kansas City, Mo
Vulcan Tool Mfg. Co., Quincy, Mass.
Wells, Chas. & Sons, 235 Mill, Rochester, N. Y.
Willbas, Gustof, Quincy, Mass.
Wood, W. T. & Co., Arlington, Mass.

Tools (Gun Cleaning & Reloading)

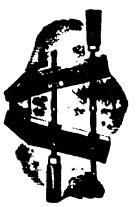
Parles Mfg. Co. ("C. M. Powers," Cleaners), Decatur, Ill.
King Mfg. Co. (Gun Cleaning Rods), 52 Columbia, Newark, N. J.
Lefever Arms Co. ("Ideal" Gun Barrel Cleaner), Syracuse, N. Y.
Marlin Fire Arms Co. (Reloading), New Haven, Conn.
Parker Bros. (Cleaning & Reloading), Meriden, Conn.
Remington Arms Co. (Reloading), 313 B'way, New York
Savage Arms Co. (Reloading), Utica, N. Y.
Stevens, J. Arms & Tool Co. (Reloading Cartridges), Chicopee Falls, Mass.
Union Hardware Co. (Cleaning & Reloading), Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.
U. S. Cartridge Co. ("Belcher's" Automatic Magazine Cartridge Loader), 497 Pearl, New York; Factory, Lowell, Mass.
Waterbury Brass Co. (Reloading), Waterbury, Conn.
Winchester Repeating Arms Co. (Reloading), New Haven, Conn.
Worcester Brush & Scraper Co. ("Criss-Cross," Gun Cleaner & Gun Rod), Worcester, Mass.

Tools (Harness & Saddlery)

Horn, Wm. H. & Bros. ("Diamond." "Crown") 451 N 3d, Phila., Pa.



AUTOMATIC MITRE CLAMP.
Will adjust and clamp a mitre in less time than it takes to make a full turn of a single screw.
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Tools (Haying)

Akron Machine Co., Akron, O.
American Fork & Hoe Co., Cleveland, O.
Appleton Hay Tool Co., Appleton, Wis.
Butterfield & Co., Derby Line, Vt.
Eureka Mower Co., Utica, N. Y.
Herschel, B. Mfg. Co., Peoria, Ill.
Hunt, Helm, Ferris Co., Harvard, Ill.
Iowa Farming Tool Co., Fort Madison, Ia.
Jenkins Hay Rake Stacker Co., Chillcothe, Mo.
Law Mfg. Co., Merriam Park, Minn.
Louden Machinery Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers, F. E. & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Ney, V. L. Co., Canton, O.
Oshkosh Logging Tool Co., Oshkosh, Wis.
Porter, J. E., Co., Ottawa, Ill.
Rock River Machine Co., Janesville, Wis.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Strickler Hay Tool Co., Janesville, Wis.
Swanson, T. Mfg. Co., Shenandoah, Ia.
Syracuse Chilled Plow Co., Syracuse, N. Y.
WHITMAN & BARNES MFG. CO., ("Diamond"), Chicago, Ill. (See adv. index & branch offices, end of book)

Tools (Hollow Mortising)

Forest City Bit & Tool Co., Rockford, Ill.

Tools (Ice)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Arcade Mfg. Co., Freeport, Ill.
Bodenstein, J. G. & Co., Staatsburgh, N. Y.
Dernell, H. F. & Co., Athens, N. Y.
Enterprise Mfg. Co. (Ice Shredders, etc.), 3d cor Dauphin, Phila., Pa.
Falls Mfg. Co., San Francisco, Cal.
Gardiner Tool Co., Gardiner, Me.
Gerlach, Peter & Co., Cleveland, O.
Gifford-Wood Co., Hudson, N. Y.
Gruman, Geo. B., Branchville, Conn.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Hiles, C. A. & Co. (Chisels, Bars, etc.), 14th & Western av, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Norton Mfg. Co. (Awls, Chisels, Picks, etc.), Chester, Conn.
Ohio Brass Co., Mansfield, Ohio
Stevens, Benj. A. Co., Toledo, Ohio.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
White, L. & I. J. Co., Buffalo, N. Y.

Tools (Ice Cream Makers')

Stortz, John & Son, 210 Vine, Phila., Pa.

*Tools (Ivory Turning)

DESSAU'S, S. SONS, (Diamond), 180 B'way, New York. (See adv. index, end of book)

Tools (Jewelers')

(See Tools, Watchmakers' & Jewelers')

Tools (Key Seating)

Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.

Tools (Knurling)

Goodell-Platt Co. (Hand), Greenfield, Mass.

Tools (Lathe & Planer)

Almond, T. R. Mfg. Co. (Turret Head or Monitor Lathe Attachment), Ashburnham, Mass.
ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Armstrong Bros. Tool Co., 104 N Francisco av., Chicago, Ill.
Atha Tool Co., Newark, N. J.
Billings & Spencer Co., Hartford, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Dwight Slate Machine Co., Hartford, Conn.
Fitchburg Machine Works, Fitchburg, Mass.
Hill Standard Mfg. Co. ("Hill" & "Eberhardt"), Anderson, Ind
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
O. K. Tool Holder Co., Shelton, Conn.
Reed, F. E. Co., 120 Gold, Worcester, Mass.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Superior Tap Co. (Thread Cutting), Springfield, Vt.
Western Tool & Mfg. Co. ("Champion" Side Tool) Springfield, Ohio
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.
YOUNG MACHINE & TOOL CO., 211 Center, New York, & Worcester, Mass. (See adv. index, end of book)

Tools (Linemen's)

Dicke Tool Co., Downers Grove, Ill.
Hubbard & Co., Pittsburg, Pa.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Tools (Logging & Lumberman's)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Avery & Co., Portland, Ore.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Champion Tool & Handle Co., Evart, Mich.
Clyde Iron Works (Inc.), Duluth, Minn.
Evart Tool Co., Evart, Mich.
Gerlach, Peter & Co., Columbus road & Winter, Cleveland, O.
Grays Harbor Iron Works, Hoquiam, Wash.
Hoquiam Machine W'ks ("Ideal"), Hoquiam.
Loggers Supply Co., Seattle, Wash. Wash
Morley Bros. (Inc.) ("Blue Line"), Saginaw, Mich.
Northwestern Mfg. Co., Duluth, Minn.
Oshkosh Tool Mfg. Co., Oshkosh, Wis.
Prouty, C. & Co., Eldred, Pa.
Remick, A. R., Kelso, Wash.
Sanford, A. Logging Tool Co., Oshkosh, Wis.
Simonds Mfg. Co., Fitchburg, Mass.
Simonds Mfg. Co., 201 Magazine, New Orleans.
Warren Axe & Tool Co., Warren, Pa. La.

Tools (Machinists' Hand)

(See Specific Article Required; also Machinists' Tools & Supplies)

*Tools (Manual Training)

HAMMACHER, SCHLEMMER & CO., 134 4th av., New York. (See adv. index, end of book)

Tools (Marble Workers')

(See Tools, Granite & Stone Cutters')

Tools (Masons')

Brunner & Lay, 133 W Polk, Chicago, Ill.

Tools (Metal Workers')

(See Specific Article Required)

Tools (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Owen Machine Tool Co. (Tool Sets), Springfield, O.
Pratt & Whitney Co., Hartford, Conn.
WELLS BROS. CO. ("Little Giant," Hollow Milling), Greenfield, Mass. (See adv. index, end of book)

Tools (Mining)

Beall Bros. (Inc.), ("Old Alton"), Alton, Ill.
Beaver Falls Mfg. Co., Beaver Falls, Pa.
Cyclone Machine Co., Pittston, Pa.
Fulton Tool W'ks ("Fulton"), Canal, Fulton, O.
Hardsocg, Martin Co., Allegheny, Pa.
Iwan Bros., South Bend, Ind.
Pittsburg Shovel Co., Frick bldg, Pittsburg, Pa
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Cheswick, Pa.
Williams & Davisson Co. (Safety Combination), Clarksburg, W. Va.

Tools (Mitreing)

Carver Tool Works, Spring Valley, N. Y.
Waverly Mfg. Co. ("Nolan"), Waverly, Minn.

Tools (Molders')

Barnett, Oscar Foundry Co. ("Monk's"), Newark, N. J.
Burr's Damascus Tool Works, 66 Fort, E, Detroit, Mich.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Dobson, Wm., Canastota, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Obermayer, S. Co., 647 Evans, Cincinnati, O.
OSBORN MFG. CO., 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)
Peninsular Tool & Specialty Co., Detroit, Mich.
SMITH, J. D. FOUNDRY SUPPLY CO., 1846 Scranton rd., N. W., Cleveland, O. (See adv. index, end of book)

Tools (Oysterman's)

(See also Knives, Oyster & Clam)

Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Tools (Packing)

Mound Tool & Scraper Co. (& Scraping), 710 Howard, St. Louis, Mo.
STRONG MACHINERY & SUPPLY CO., 48 Franklin, New York
Vaughn & Bushnell Mfg. Co. ("V. & B." Hook, or Screw Pattern), 867 Carroll av, Chicago, Ill.

Tools (Paper Hangers')

Aronson, Joel, 29 Ten Eyck, Brooklyn, N. Y.
Ridgely Trimmer Co., Springfield, O.
Standard Trimmer Co., Springfield, O.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.
Watson, Geo. E. Co., 108 Lake, Chicago, Ill.
Webster & Perks Tool Co. ("Simplex"), Springfield, O.

Tools (Parting)

Swan, James Co. (For Wood Turners), Seymour, Conn.

Tools (Paving)

(See also Tools, Concrete Finishing; also Tools, Asphalt Paving)

AMERICAN CONCRETE CO. (Concrete), 80 William, New York. (See adv. index, end of book)
Ames Plow Co., Quincy Hall, Boston, Mass.
Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Crescent Novelty Mfg. Co. ("Crescent & Maurer's" Granitoid Sidewalk), 703 S. B'way, St. Louis, Mo.
Hauck, Wm. J. (Concrete, etc.), 306 Southwest boul, Kansas City, Mo.
Kramer Bros. Foundry Co., Dayton, O.
Lyman, W. C., 49 Michigan, Chicago, Ill.
Orr & Lockett Hdw. Co., 71 Randolph, Chicago, Ill.
Pollard, Jos. G., 141 Raymond, Brooklyn, N. Y.
Trow & Holden, Barre, Vt.

Hendricks' Commercial Register

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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*Tools (Pearl Turning)

DESSAU'S, S. SONS ("Diamond"), 180 B'way, New York. (See adv. index, end of book)

Tools (Pitching)

Anderson, W. H. Tool Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Evansville Tool Works, Evansville, Ind.
Mack & Co., Rochester, N. Y.
Plumb, Fayette (Inc.), Fkd., Phila., Pa.
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Tools (Planer)

(See Tools, Lathe & Planer)

Tools (Plasterers')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Story, Herbert (Aluminum Plasterers' Hocks, etc.), 257 William, New York

Tools (Plumbers' & Tinners')

Barnes Tool Co. (For Plumbers & Steam Fitters Only), New Haven, Conn.
Berger Bros Co. (Tinners, Roofers, etc.), 237 Arch, Phila., Pa
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Carver Tool Works, Spring Valley, N. Y.
Fleck Bros. Co. ("K. Korkers"), 50 N 5th, Phila., Pa.
Johnson, Wm. (Hedenberg Works), Newark, N. J.
MERCHANT & EVANS CO. (Inc.) (Tinners' Tools & Machines), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Mueller, H. Mfg. Co., Decatur, Ill.
NIAGARA MACHINE & TOOL WKS., (Tinners Only), Buffalo, N. Y. (See adv. index, end of book)
Stortz, Jno. & Son, 210 Vine, Phila., Pa.

Tools (Pneumatic)

(See Pneumatic Tools)

Tools (Pump)

Brown, Harold J., 120 Liberty, New York.
Mack & Co., Rochester, N. Y.

Tools (Rail Bonding)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Lord Electric Co. ("Lord" Tools, Soldering Torches, etc.), 213 W 40th, New York

Tools (Railroad Track)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. on preceding page)
American Brake Shoe & Foundry Co., Mahwah, N. J.
Anderson, W. H. Tool Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Buda Foundry & Mfg. Co., Harvey, Ill., & R'y Exch bldg, Chicago, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Columbus Forge & Iron Co., Columbus, O.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Handlan-Buck Mfg. Co., 212 N 3d, St. Louis, Mo.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, Pittsburg, Pa.
Isle, A. W. & Son, Boston, Mass.
Jones & McLaughlin Steel Co. (Ltd.), Pittsburg, Pa.
Klein, Logan Co., Pittsburg, Pa.
Lovejoy Tool Works, 86 E. Ohio, Chicago, Ill.
MacPherson Switch & Frog Co., Niagara Falls, N. Y.
Motley, Green & Co. (Inc.), 68 Broad, New York
Ohio Brass Co., Mansfield, O.
Pittsburg Steel Mfg. Co., Pittsburg, Pa.
Plumb, Fayette (Inc.), Fkd, Phila., Pa.
Sheffield Car Co., Three Rivers, Mich.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackinridge, Pa.
Union Drop Forge Co., 69 Indiana av, Chicago, Ill.
Verona Tool Works, Verona, Pa., & Pittsburg, Pa.

RAILROAD SPECIALISTS FOR ALL MINISTRIES.
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.

Tools (Rock Drill Sharpening)

Evansville Tool Works, Evansville, Ind.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Tools (Roll Turned)

Trethewey, Sam'l & Co. (Ltd.), 47th & Plummer, Pittsburg, Pa.

*Tools (Rubber Turning)

DESSAU'S, S. SONS ("Diamond"), 180 B'way, New York. (See adv. index, end of book)

Tools (Saddlery)

Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.

Tools (Sailmakers')

Stortz, John & Son (Peggers or Bodkins, etc.), 210 Vine, Phila., Pa.



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*Tools (Scraping)

STRONG MACHINERY & SUPPLY Co. (Hollow & Flat Ground for Scraping Valves, Journals, Bearings, etc.), 48 Franklin, New York. (See adv. index, end of book)

Tools (Screw Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.

Tools (Ship Carpenters')

(See Adze Manufacturers; also Mallets; also Tools, Calking)

Tools (Shoemakers')

Harrington Cutlery Co., Southbridge, Mass.
Harrington, T. J., Southbridge, Mass.
Horn, Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.
Hyde Mfg. Co., Southbridge, Mass.
Krieg, C. W. & Co., 110 Reade, New York.
Krieg, J. K. & Co., 89 Warren, New York.
Snell & Atherton, Brockton, Mass.
Richard, Stephen Co., Southbridge, Mass.

Tools (Slaters')

Belden Machine Co., New Haven, Conn.
FLORY, S. MFG. CO., Bangor, Pa. & 149 B'way, New York. ((See adv. index, end of book)
Fulmer, J. H., Nazareth, Pa.
Isele, A. W. & Son (Hammers, Cutters, Stakes, Scratching Bars, etc.), 51 Pitts, Boston, Mass.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y. (See adv. index, end of book)
Storts, Jno. & Son (Hammers, Rippers, Stakes, etc.), 210 Vine, Phila., Pa.

Tools (Tanners' & Curriers')

Baker, G. W. & Co., Wilmington, Del.
Horn, Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

Tools (Thread Chasing)

Kelly, P. J. ("Climax"), Elizabeth, N. J.

Tools (Thread Cutting)

Armstrong Bros. Tool Co., 104 N San Francisco av, Chicago, Ill.
ARMSTRONG MFG. CO. (Pipe & Bolt), Bridgeport, Conn. (See adv. index & branch offices, end of book)
Avery, Wm. & Co., Foxboro, Mass.
Billings & Spencer Co. (& Diamond Point), Hartford, Conn.
Boston Tool Co. ("Double Quick"), Cambridge, Mass.
Conant & Donelson Co. ("Little David," Screw Cutting), Greenfield, Mass.
General Pump Appliance Co., 42 W 43d, New York
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.
Kelly, P. J. ("Climax"), Elizabeth, N. J.
Kirkpatrick Saddle Co., Springfield, O.
Modern Tool Co. (Spring), Erie, Pa.
O. K. Tool Holder Co., Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.
Rivett-Dock Co., Boston, Mass.
Rivett Lathe Mfg. Co., Brighton, Boston, Mass.
Tucker, W. W. & C. F., Hartford, Conn.
Walworth Mfg. Co., 132 Federal, Boston, Mass
WELLS BROS. CO., Greenfield, Mass. (See adv. index, end of book)
Western Tool & Mfg. Co. (Spring & Solid Holder), Springfield, O.

Tools (Toy)

Arcade Mfg. Co. (Iron & Wood), Freeport, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

Tools (Track)

(See Tools, Railroad Track)

Tools (Turpentine)

Bradley's, G. W. Sons, (Inc.), Westport, Conn.
Evansville Tool Works, Evansville, Ind.
Warren Axe & Tool Co., Warren, Pa.

Tools (Walk Cleaning)

(See also Cleaners, Pavement; also Scrapers, Sidewalk)
Continental Tool Co., Frankfort, N. Y.
Iowa Farming Tool Co., Fort Madison, Iowa

Tools (Watchmakers' & Jewelers')

American Oil & Supply Co., Newark, N. J.
American Watch Tool Co., Waltham, Mass.
Bullock Mfg. Co., 172 Dwight, Springfield, Mass.
Coats, Fred. R., Springfield, Ill.
Dixon, Wm. (Inc.), 39 John, New York
Hardinge Bros., 1036 Lincoln av, Chicago, Ill.
Job, Frederick, Wilkes-Barre, Pa.
Kendrick & Davis, Lebanon, N. H.
Koch, Alfred S., Lancaster, Pa.
Langelier Mfg. Co., 67 Clifford, Providence, R. I.
Leiman Bros., 62 John, New York
McWilliams Mfg. Co., Providence, R. I.
Mann, Chas. A., Providence, R. I.
Morgan, Edwd, 15 Franklin, Newark, N. J.
Moseley Lathe Co., Elgin, Ill.
Oliver, W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Randall, Frank E., Waltham, Mass.
Rivett-Lathe Mfg. Co., Brighton, Boston, Mass.
Standard Machinery Co., Providence, R. I.
Stehman & Swan Mfg. Co., Lancaster, Pa.
STARK TOOL CO., Waltham, Mass. (See adv. index, end of book)
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)
Thurston Mfg. Co., Providence, R. I.
Waltham Watch Tool Co., Springfield, Mass.

Tools (Wire Splicing)

Smith, Otis A. (For Splicing Wire Fence, Telephone Wire, etc.), Rockfall, Conn.

Tools (Wood Turning)

Carroll-Jamieson Mach. Tool Co., Batavia, O.
Oliver, W. W. Mfg. Co., Buffalo, N. Y.
Swan, Jas. Co. (Parting), Seymour, Conn.

Tools (Woodworkers')

(See Specific Article Required)

Tooth Pick Mfrs.

Berst Mfg. Co., Saginaw, Mich.
Forster, Chas. (Est. of), Dixfield, Me.
Forster Mfg. Co., Dixfield, Me.
Peirce, W. E. & Co., Milford, N. H.
Perfection Mfg. Co., Detroit, Mich.

Tops (Automobile & Vehicle)

American Top Co., Jackson, Mich.
Anderson, F. W. & Co., 1419 Montrose, Phila., Pa.
Automobile Equipment Co., Detroit, Mich.
Baltimore Buggy Top Co., 700 Penna av, Baltimore, Md.
Barndt-Johnston Auto Supply Co., Columbus, O.
Bauer Bros. Mfg. Co., 939 W 8th, Cincinnati, O.
Buob & Schen, 410 E. Court, Cincinnati, O.
Cartier, Chapman & Co., Lexington, Mich.
Central Mfg. Co., Connersville, Ind.
Columbus Buggy Co., Columbus, O.
Detroit Carriage Co., Detroit, Mich.
Detroit Motor Supply Co., Detroit, Mich.
Duane, W. J. & Co., 1771 B'way, New York
Dunham, D. B. & Son, Rahway, N. J.
Dusenberg, Louis, 86 Worth, New York
Empire Gear & Top Co., 413 N 22d, Phila., Pa.
Everitt, B. F., Clay & Dequindre, Detroit, Mich.
Halliday, C. A. Oneida, N. Y.
Hill Mfg. Co., 23 Fuller, Buffalo, N. Y.
Indianapolis Dash Co., 2116 S Meridian, Indianapolis, Ind.
Keystone Wagon Works Co., Reading, Pa.
Kimball, C. P. & Co., 315 Michigan av, Chicago, Ill.
Kroh, C. Z. Mfg. Co., Toledo, Ohio
Larrimore Top Co., 428 Light, Baltimore, Md.
London Auto. Supply Co., 1229 Michigan av, Chicago, Ill.
McClellan, Chas. P., Fall River, Mass.
Manhattan Auto Top Co., 249 W. 64th, New York
Meyer, C. G., Main & Ann, Tiffin, O.
Michigan Top Co., 17 Duffield, Detroit, Mich.
Morton, Rob't E., 26 South, New York
Myers Automobile Top Co., Dayton, O.
Quier, C. D. Top Co., Kansas City, Mo.
Racine-Sattley Co., Racine, Wis.
Rands Mfg. Co., Detroit, Mich.
Ratterman & Luth, 1911 W 8th, Cincinnati, O.
Schubert Bros. Gear Co., Oneida, N. Y.
Shelter Top Co., 1240 N Main, St. Louis, Mo.
Sprague Umbrella Co. ("Sprague"), Norwalk, Ohio
Springfield Auto Top & Upholstering Co., Springfield, Mass.
Springfield Metal Body Co., Springfield, Mass.
Teel, E. & Co., Medford, Mass.
Troy Carriage Sun Shade Co., Troy, O.
Vehicle Apron & Hood Co., Columbus, O.
Vehicle Top & Supply Co., 700 Case av, St. Louis, Mo.
Weiss, Charles, 4800 Cottage Grove av, Chicago, Ill.
Wells, L. J., Des Moines, Iowa

Tops (Milk & Beer Bottle)

Hazel Atlas Glass Co. (Stamped or Forged), Wheeling, W. Va.

Tops (Molasses Jug)

Ohio Lantern Co., Tiffin, O.

Tops (Pole)

(For Arc Lamps & Electric Railway Poles)
Ajax Line Material Co. (Arc Lamp), Jefferson, Chicago, Ill.
Anderson Albert & J. M. Mfg. Co. (Electric Railway), Boston, Mass.
ANDERSON FORGE & MACHINE CO. (Street Railway), Detroit, Mich. (See adv. index & branch offices, end of book)
Cutter, Geo. Co. (Arc Lamp), South Bend, Ind.
Electric R'y Equipment Co. (Arc Lamp & Elec. Railway), Cincinnati, O.
Morris, Elmer P. Co. (Street Railway), 90 West, New York
Ohio Brass Co. (Street Railway), Mansfield, O.
Western Electric Co. (Arc Lamp), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Tops (Tin, Screw)

Ohio Lantern Co., Tiffin, O.

Torches (Alcohol)

(See also Furnaces, Gasoline Blast)
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Clayton & Lambert Mfg. Co., Detroit, Mich.
Climax Mfg. Co., Waltham, Mass.
Knapp Mfg. Co. (Self Acting), 20 Warren, New York
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Roberts, H. C. Electric Supply Co., 905 Arch, Phila., Pa.
Sweeten-Crossan Electric Co. ("Victor"), 816 Arch, Phila., Pa.
Turner Brass Works ("Wilson," "Gem"), Sycamore, Ill.

Torches (Brazing)

(See Blow Pipes & Brazing Apparatus)

*Torches (Car Inspectors')

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Torches (Cast Iron)

Forest City Foundry & Mfg. Co., Cleveland, O.

Torches (Electric)

Bogart, A. L., 123 Liberty, New York
Electric Contract Co. (Portable, for Plumbers), 175 Grand, New York

*Torches (Factory, Acetylene)

MACLEOD, WALTER & CO. (Oil or Gasoline), 218 E Pearl, Cincinnati, O. (See adv. index, end of book)
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Torches (Factory & Mine)

Clayton & Lambert Mfg. Co. (Gasoline), Detroit, Mich.
Gem Mfg. Co. ("Gem"), Pittsburg, Pa.
Turner Brass Works, Sycamore, Ill.
Wall, P. Mfg. Supply Co. (Brazed Steel), Allegheny, Pa.

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*Torches (Foundry)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Torches (Gasoline, Etc.)

(See Torches, Gasoline Blow)

Torches (Gasoline Blow)

(See also Furnaces, Gasoline Blast)

Acorn Brass Mfg. Co., 203 Fulton, Chicago, Ill.
American Stove Co. ("Reliable"), St. Louis, Mo.
Barthel Blow Lamp Co., Boston, Mass.
Best Lamp Co., Canton, O.
BERNZ, OTTO ("Always Reliable"), S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)



TORCHES

Our Torches are fitted up with our Patent adjustable soldering iron holders, which can easily be removed when not required. Also have our Improved "never-leak" pumps, the plungers of which screw down and are always out of the way.

Notice our "A.B.C" Improvements.

Each one packed in a wooden box, and guaranteed to be in perfect condition when it leaves the factory.

OTTO BERNZ, NEWARK, N. J.

Boekel, Wm. & Co., 518 Vine, Phila., Pa.
Bridgeport Brass Co. ("Vulvan," "Queen"), Bridgeport, Conn.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Climax Mfg. Co., Boston, Mass.
Climax Specialty Co., Seneca Falls, N. Y.
Diener, G. W. Mfg. Co. ("Torrid"), 77 W Lake, Chicago, Ill.
Emmelmann Bros. Mfg. Co. (Gasoline Soldering Iron & Blow Torch), Indianapolis, Ind.
Gefrorer, C. & Son, 248 N 8th, Phila., Pa.
Globe Brass Works, Detroit, Mich.
Hine-Watt Mfg. Co. ("Marion"), 69 Wabash av, Chicago, Ill.
Hull, J. S. Mfg. Co., Baltimore, Md.
Johnson, Wm. ("Heudenberg Works") (Plumbers'), Newark, N. J.
Knapp Mfg. Co., 20 Warren, New York
Mack, Thos. A. Mfg. Co. ("Khotal"), 401 St. Paul's av, Jersey City, N. J.
MACLEOD, WALTER & CO. ("Buckeye"), 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
Mossberg, Frank Co., Attleboro, Mass.
Phillips & Harmon ("Warrior"), Northville, Mich.
Quadriga Mfg. Co. ("Walters"), 18 S Canal, Chicago, Ill.
Sievert Torch Co. ("Sievert"), Boston, Mass.
Sun Vapor Street Light Co., Canton, O.
Turner Brass Works ("Hot Blast," "Bull Dog," "Franklin," "Kinzie," "Jewell," "Mogul," "Old Reliable"), Sycamore, Ill.
Volcano Torch & Mfg. Co., Erie, Pa.
Wellington Mfg. Co., 470 Cherry, New York
Zeidler Lamp & Brass Co. ("Baby"), Lomira, Wis.

Torches (Hand)

Dayton Malleable Iron Co. (Made Entirely of Malleable Iron), Dayton, O.
Deverell Perfection Mfg. Co., 36 Bridge, Brooklyn, N. Y.
Dressel Railway Lamp Works (Engineers' Track, Wipers', Boilermakers', Car Inspectors, etc.), 3860 Park av, New York
Gem Mfg. Co. ("Gem," "Meg" Inspectors & Locomotive, etc.), Pittsburg, Pa.
Gray, Peter & Sons, 88 Union, Boston, Mass.
Knapp Mfg. Co. (Locomotive, etc.), 20 Warren, New York
McClintock & Irvine Co. ("M. & I." Sheet & Brazed Steel), Pittsburg, Pa.
Noera Mfg. Co. (Inspectors' & Locomotive), Waterbury, Conn.
Wall, P. Mfg. Supply Co. (Brazed Steel, Pyramid Chain, Top Burner & Factory), Pittsburg, Pa.
WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

*Torches (Heavy Metal Heating)

MACLEOD, WALTER & CO. ("Buckeye"), 213 E Pearl, Cincinnati, O.

Torches (Kerosene Blow)

Barthel Blow Lamp Co., Boston, Mass.
Hauck Mfg. Co., 140 Cedar, New York
McClintock & Irvine, Pittsburg, Pa.
Sievert Torch Co. ("Sievert"), Boston, Mass.
Turner Brass Works ("Hot Blast"), Sycamore, Ill.

Torches (Locomotive)

(See Torches, Hand)

Torches (Shop & Engine)

(See Torches, Hand)

Torches (Wall)

Turner Brass Works, Sycamore, Ill.

Torpedoes

Backes, Michael Sons, Wallingford, Conn.
Clarendon Torpedo Co., Titusville, Pa.
Co-operative Torpedo Co., Montpelier, Ind.
Granite Railway Signal Co., Bouquet & Granite av, Allegheny, Pa.
Hall, Ellis & Son, Knox, Pa.
Harper, Mrs. Ann, Oil City, Pa.
Hunt, Edmund S. & Sons, Weymouth, Mass.
Kansas Torpedo Co., Chanute, Kan.
Kuhn, J. R. Torpedo Co., Parkersburg, W. Va.
Marietta Torpedo Co., Marietta, O.
Milliken & French, Sistersville, W. Va.
Producers Torpedo Co., Marietta, O.
Western R'y Signal Co. (R. R.), Fostoria, O.

Torpedoes (Toy)

Backes, Michael Sons, Wallingford, Conn.
Hunt, Edmund S. & Sons, Weymouth, Mass.

Torpedoes & Fuses (Railway Signal)

Backes, Michael Sons, Wallingford, Conn.
Columbia Fire Cracker Co., Fostoria, O.
Jackson's, Sam'l Sons, 1129 S 15th, Phila., Pa
United States Railway Signal Co., Fostoria, O
Western Railway Signal Co. (Red Fire), Fostoria, O

Tow

Ashland Flax Mill Co., Ashland, O.
Riehdon, V. R., Buffalo, N. Y.
Coleman, M. R., New London, O.
Keogh Excelsior Mfg. Co., Chicago, Ill.
Keogh, John W. & Co., 13 Michigan av, Chicago, Ill
Minnesota Fibre Co., Heron Lake, Minn.
Wallace, J. I., Jackson, Minn.

Towel Bars & Shelves (Plate Glass)

Anderson, Geo. H. & Co., 281 W. Superior, Chicago, Ill

Towels (Absorbent Machinery Wiping)

Devon Mills (Geo. S. Browne, Prop.), Providence, R. I

Towers (Bell & Observation)

(See Tanks & Towers, Water)

Towers (Cement Cooling)

United Iron Works Co., Springfield, Mo.

Towers (Chemical)

Bethlehem Foundry & Machine Co. (Grover & Gay Lussac & Broome Exhaust), Front st, South Bethlehem, Pa.

Towers (Hoisting, for Coal & Ore)

(See also Coal & Ore Handling Machinery)

Conveying Machinery Co., 120 Liberty, New York
HAYWARD CO., THE (Incline, Steeple & Traveling), 50 Church, New York. (See adv. index, end of book)
Milholland, J. & J. B. Co., 718 5th av, Pittsburg, Pa.
Robins Conveying Belt Co., Passaic, N. J.

Towers (Steel)

(See Tanks & Towers, Water)

Towers (Water Cooling)

Alberger Condenser Co., 95 Liberty, New York
Baragwanath, Wm. & Son, 48 Division, Chicago, Ill.
Burhorn Edwin ("Burhorn," "Acme"), 71 Wall, New York
CANTON BOILER & ENGINEERING Co., Canton, O. (See adv. index, end of book)
CONNERY & CO., 9th & Master, Phila., Pa. (See adv. index, end of book)
GRAVER, WM. TANK WORKS, East Chicago, Ind. (See adv. index, end of book)
Hart, B. F., Jr. & Co., 143 Liberty, New York
International Steam Engineering Co. ("Jennison"), Atlanta, Ga.
Ruemmel-Dawley Mfg. Co. ("Graders"), 2900 Choteau av, St. Louis, Mo.
Stocker, Geo. J. (Fanless), 2836 Victor, St. Louis, Mo.
Struthers, Wells Co., Warren, Pa.
Wheeler, C. H. Mfg. Co. ("Wheeler-Pratt"), Lehigh & N. 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Barnard"), Carteret, N. J.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Toy Banks

Arcade Mfg. Co., Freeport, Ill.
Bank-Clock Mfg. Co., 174 Fulton, New York
Central Stamping Co., 174 Fulton, New York
Columbia Grey Iron Co., Columbia, Pa.
Globe Machine & Stamping Co., Cleveland, O.
Grab, Victor M. & Co. ("Grab's" Keyless Basket & "Good Luck"), Ashland blk, Chicago, Ill.
Hubley Mfg. Co., Lancaster, Pa.
Nicol & Co., 66 N Jefferson, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Williams, A. C. Co., Ravenna, O.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Toys (Electric)

(See also Motors, Battery)

Carlisle & Finch Co., Cincinnati, O.
Diamond Electric Co., Warren, O.
Green Electrical Mfg. Co., Chicago, Ill.
Heinrich Electrical Novelty Co., 192 Fulton, Brooklyn, N. Y.
Howard Miniature Lamp Co., Newark, N. J.
Ithaca Electric Novelty Co., Ithaca, N. Y.
Kendrick & Davis, Lebanon, N. H.
Knapp Electric & Novelty Co. ("Electric Questioner"), 511 W 51st, New York
Lionel Mfg. Co., 4 White, New York
Ohio Electric Works, Cleveland, O.
Rhode Island Telephone & Electric Co. ("Baby Dynamo"), Providence, R. I.
Russell Electric Co. ("Memiphone"), Danbury, Conn.
Universal Novelty Co. (Magic Lanterns), 163 W 29th, New York
Voltamp Electric Mfg. Co., Baltimore, Md.

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Toys (Iron & Steel)

Arcade Mfg. Co., Freeport, Ill.
Blacklock Foundry Co., South Pittsburg, Tenn.
Central Stamping Co. (Tin, etc.), 174 Fulton, New York
Hews, A. H. & Co., North Cambridge, Mass.
Hubley Mfg. Co., Lancaster, Pa.
Ingersoll, Robt. H. & Bro., 45 John, New York
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Ives Mfg. Corp'n, Bridgeport, Conn.
Kraus, Emil H., 140 B'way, Cleveland, O.
National Novelty Corp'n, 826 B'way, New York
New Eng:and Specialty Co., North Easton, Mass.
Rollman Mfg. Co., Mt. Joy, Pa.
Stevens, J. & E. Co., Cromwell, Conn.
Weeden Mfg. Co., New Bedford, Mass.
Williams, A. C. Co., Ravenna, Ohio.
Wrightsville Hdw. Co., Wrightsville, Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Toys (Rubber)

Faultless Rubber Co. (Balloons, Balls, etc.), Ashland, O.
Goodrich, B. F. Co., Akron, O.
N. Y. Rubber Co., 84 Reade, New York

Toys & Novelties

American Doll & Toy Mfg. Co., 49 W 13th, New York
American Metal Wheel & Toy Co., Toledo, O.
Austin & Craw, South Norwalk, Conn.
Bevin Bros. Mfg. Co., Easthampton, Conn.
Borgfeldt, Geo. & Co., 3d & Wooster, New York
Bradley, Milton Co., Springfield, Mass.
Butler, Otis P. (Wood), West Ridge, N. H.
California Notion & Toy Co., San Francisco, Cal.
Carriage & Toy Co., Baltimore, Md.
Clark, D. P. & Co., Dayton, O.
Columbia Grey Iron Co., Columbia, Pa.
Converse & Co., Winchendon, Mass.
Dayton Pattern & Model Works, Dayton, O.
Devison Mfg. Co. (Electrical & Mechanical Toys), Warren, O.
Ellesac Mfg. Co., Castile, N. Y.
Elm City Mfg. Co., New Haven, Conn.
Estes, E. B. & Sons, 45 John, New York
Fanner Mfg. Co., Cleveland, O.
Foyer Steel Stamping Co. (Barrows, etc.), Painesville, O.
Garton Toy Co., Sheboygan, Mich.
Gibbs Mfg. Co., Canton, O.
Gilbert, A. & Sons (Wood), Derby, Conn.
Gong Bell Mfg. Co., Easthampton, Conn.
Granite State Mfg. Co., Concord, N. H.
Hampden Toy Co., Westfield, Mass.
Hammond, J. T. & Son, 4334 Hedge, Phila., Pa.
Hardware & Woodenware Mfg. Co. (Iron), 693 B'way, New York
Hawes-Launna Co. (Spinning Tops, Building Blocks, Furniture, Return Balls, Jumping Ropes, etc.), Tonawanda, Pa.
Hill Brass Co., Easthampton, Conn.
Horsman, E. & Co., 365 B'way, New York
Ideal Mfg. Co. (Cast Iron), Detroit, Mich.
Ingersoll, Rob't H. & Bro., 365 B'way, New York
Instructive Toy Co., 477 40th, Milwaukee, Wis.
Iowa Farming Tool Co., Fort Madison, Iowa
Jones & Biler Mfg. Co., Freemans
Kindergarten Toy Co., Indianapolis, Ind.
Kirby Mfg. Co., Middletown, Conn.
Kirk-Latty Mfg. Co. (Wheelbarrows, etc.), Cleveland, O.
Knapp Electric & Novelty Co., 511 W 51st. New York
Lionell Mfg. Co., 4 White, New York
Lloyd Mfg. Co. (Carriages, Wagons, Go-Carts, etc.), Minneapolis, Minn.
Mace, L. L. & Co., 111 E Houston, New York
Meinecke & Son, Milwaukee, Wis.
Murphy Mfg. Co., Stamford, Conn.
Mount Pleasant Tool Co., Mount Pleasant, Pa.
Nashau Novelty Works, Nashau, N. H.
National Novelty Corp'n, 826 B'way, New York
Neinseke, Adolph & Son, Milwaukee, Wis.
New England Lock & Hinge Co. (Toy Hardware), Winchendon, Mass.
New Haven Toy & Game Co., New Haven, Conn.
Novelty Mfg. Co., Waterbury, Conn.
Osgood Toy Co., Manchester, N H
Pidget Novelty Co., 265 B'way, New York
Pleuger & Henger Mfg. Co., St. Louis, Mo.
Reading Hardware Co., Reading, Pa.
Rockwell, Jno. L., Monroeton, Pa.
Rollfan Mfg. Co., Mount Joy, Pa.
Richmond Cedar Works, Richmond, Va.
Runnels, E. A. & Co., Boston, Mass.
Scheler, Geo., Dumont, N. J.
Schlesinger, Leo & Co., 372 South, New York
Schoenhut, A. Co. (Pianos, Guns, Sail Boats, Shooting Galleries, Soldier Equipments, Circus Toys, etc.), Adams & Sepoiva, Phila., Pa.
Schultz Novelty Co., 132 Nassau, New York
South Bend Toy Mfg. Co. (Game Boards, Croquet, Baseball Bats, Doll Cabs, Go-carts, etc.), South Bend, Ind.
Schulze, Thos., Sons, Cleveland, O.
Shimer, Wm., Son & Co., Freemansburg, Pa.
Short Mfg. Co., North East, Pa.
Sidney Novelty Co. (Wooden), Sidney, N. Y.
Stowel Co., Putney, Vt.
Telschman, Richard, 85 Water, New York
Thomas-Peter Co. ("National, Indoor Base Ball Game"), Canton, O.
Toledo Metal Wheel Co. (Automobiles, Carriages & Tricycles), Toledo, O.
Toledo Carriage Woodwork Co., Toledo, O.
Travers, G. W., 10 Grand, New York
Wells Bros. & Co., Greenfield, Mass.
Whitney Reed Chair Co., Leominster, Mass.

*Tracing Cloth Powder

SOLTMANN.E.G.

(Also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Tracing Cloth & Paper

Cardinell-Vincent Co. (Vellum Tracing Paper), Oakland, Cal.
HARDTMUTH, L. & C. ("Koh-I-Noor"), 84 E 23d, New York. (See adv. index, end of book)
Regina Mfg. Co. (Tracing Cloth), East Greenwich, R. I.

SOLTMANN.E.G.

(Use "Trans-Printa" for increasing the Transparency of Old Tracings & Drawings to be Blue Printed), 125 E 42d, New York. (See adv. index, end of book)

*Track Cleaners (Street Railway)

VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

Track Movers (Railway)

Mann-McCann Co. ("Greese"), Fisher bldg, Chicago, Ill.

*Track Relays

BUNNELL, J. H. & CO. ("B. & A.," "Universal," "Western"), Park pl & Church, New York. ((See adv. index, end of book)

Track Sanders

(See Locomotive Sanders)

Track Sprinklers

(See Cars, Sprinkling, Street Railway)

Tracking (Slaughter House)

Brecht, Gus. V. Butchers' Supply Co. (Overhead), 1201 Cass av, St. Louis, Mo.

*Tracks (Cast Iron Plate)

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER COMPANY

475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Tracks (Door Hanger)

Myers, F. E. & Bro., Ashland, O.
Pirkl, John Iron Works (Inc.), 240 N 10th, Brooklyn, N. Y.
Porter, J. E. Co. (For Barn Doors), Ottawa, Ill.

Tracks (Hay Carrier)

Hunt, Helm, Ferris & Co. ("Star" Steel & Wood), Harvard, Ill.
Myers, F. E. & Bro., Ashland, O.
Ney, V. L. Co., Canton, O.
Strickler Hay Tool Co. ("Strickler" Steel), Janesville, Wis.

Tracks (Portable)

(See Railways, Industrial & Portable)

Tracks (Steel Highway)

Steel Highway Track Construction Co., Drexel bldg, Phila., Pa.

Train Rolls

Danville Fdry. & Mach. Co., Danville, Pa.
Morgan Construction Co., Worcester, Mass.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburg, Pa.

Trammels

Massachusetts Tool Co., Greenfield, Mass.
Sawyer Tool Co., Fitchburg, Mass.
STARRETT, L. S. CO. (Extension Beam, etc.), Athol, Mass. (See adv. index & branch offices, end of book)

*Tramway Installation

TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Tramways & Trolleys

(See Trolleys & Trolley Tracks, Overhead; also Wire Rope Tramways)

*Trans-Printa for Increasing the Transparency of Tracings

SOLTMANN.E.G.

(Prints Can be Made from Prints & Increase the Output of the Printing Apparatus), 125 E 42d, New York. (See adv. index, end of book)

Transfer Ornaments

National Decalcomania Co., 250 N 60th, Phila., Pa.
Palm Bros. & Co., Cincinnati, O.
Palm-Fechteler & Co., 67 5th av, New York

Transfer Scrolls

(See Transfer Ornaments)

*Transfer Tables (Hand Power)

CLEVELAND CRANE & ENGINEERing Co., Cleveland, O. (See adv. index & branch offices, end of book)

Transformers

ALLIS-CHALMERS CO., (Light & Power), Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Transformer Co. ("American," High & Low Frequency Type & Oil), Newark, N. J.
Central Laboratory Supply Co., Lafayette, Ind.
Crocker-Wheeler Co., Ampere, N. J.
Duncan Electric Mfg. Co. ("Duncan"), Lafayette, Ind.
Electric Appliance Co. ("Economy" Lamp Regulator), 134 W Jackson boul, Chicago, Ill.
Enterprise Electric Co. ("Peerless"), Warren, Ohio
Fort Wayne Electric W'ks ("Wood"), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hallberg, J. H., 30 Greenwich av, New York
Hartman Circuit Breaker Co., Mansfield, O.
International Elec. Meter Co. (Used in Connection with Ammeters & Voltmeters), Chicago, Ill.
Kuhlman Electric Co., Elkhart, Ind.
Lafayette Electrical Mfg. Co. ("Hornberger"), Lafayette, Ind.
Moloney Electric Co., 425 N 2d, St. Louis, Mo.
National Brake & Electric Co. ("Ceco"), Milwaukee, Wis.
Niagara Engineering Co. ("Niagara"), Manlius, N. Y.
Packard Electric Co. ("Packard"), Warren, O.
Pittsburg Transformer Co., Pittsburg, Pa.
Richter, Eugene L., 1914 Columbia av, Phila., Pa.

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Thordarson Elec. Mfg. Co., 159 S Jefferson, Chicago, Ill.
Vindex Electric Co., Aurora, Ill.
Wagner Elec. Mfg. Co. (Lighting & Motor), Plymouth av & Wabash R. R., St. Louis, Mo.
Western Electric Co. ("Lighting," "Potential"), 250 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co. (Core & Shell Type, for Power & Light), Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

*Transformers (Static)

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Transits

Ainsworth, Wm. & Sons ("Brunton" Pocket), Denver, Col.
Berger, C. L. & Sons, Boston, Mass.
Izzard-Warren Co. (Inc.) ("Sterling"), 1122 Vine, Phila., Pa.
Lietz Co., San Francisco, Cal.
STARRETT, L. S. CO. (Leveling, Athol, Mass. (See adv. index & branch offices, end of book)
Teigmann & Torka (Inc.), San Francisco, Cal.

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Angier Mills, Quincy, Mass.

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MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
VAN DORN & DUTTON CO., 2714 E. 79th, S E, Cleveland, O. (See adv. index, end of book)

Transmission Chain

(See Chains, Power Transmission)

Transom Adjusters

Boston Pressed Metal Co. (Adjuster & Lock), Worcester, Mass.
Greene, Tweed & Co. ("Empire"), 109 Duane, New York

Transom Lifts

(See Lifts, Transom)

Transplanters (Tobacco)

Eureka Casting & Machine Co. ("Eureka"), Dayton, O.
Fetzer & Co. (Also for Tomatoes, Cabbage, etc.), Springfield, Ill.
Fuller & Johnson Mfg. Co., Madison, Wis.
Masters Planter Co. (Hand), 178 S Water, Chicago, Ill.
Nagley Mfg. Co. ("Onondaga" Automatic for All Kinds of Plants), Lyons, N. Y.
Stoddard Mfg. Co., Dayton, O.

Trap Rock

(See also Stone, Crushed)

AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
Bouker Contracting Co., 21 State, New York
Boundbrook Crushed Stone Co., Boundbrook, N. J.
Clinton Point Stone Co., 115 B'way, New York
Conklin & Foss, Rockland Lake, N. Y., & 299 B'way, New York
Connecticut Trap Rock Quarries, New Haven, Conn.
Cook Stone & Ice Co., Plainville, Conn.
Dyer, Jno. T. Quarry Co., Norristown, Pa., & 15th & Market, Philadelphia, Pa.
General Crushed Stone Co., South Bethlehem, Pa., & Glen Mills, Pa.
Gray Bros. (Crushed), Hayward bldg, San Francisco, Cal.
Keenan, D. F., 721 Main, Hartford, Conn.
Lane Construction Corp'n, Meriden, Conn.
McKiernan & Bergin, Paterson, N. J.
Middle Valley Trap Rock & Mining Co., Middle Valley, N. J.
New Jersey Trap Rock Co., Morristown, N. J.
Nyack Trap Rock Co., Nyack, N. Y.
Pierce, B. D., Jr., 122 Bank, Bridgeport, Conn.
Rockland Lake Trap Rock Co. (Crushed or Broken), 299 B'way, New York, & Rockland Lake, N. Y.
Rocky Hill Stone Co., Hartford, Conn.
Shanley, B. M. & J. F. Co., Arcade Bldg, Philadelphia, Pa., & 859 Broad, Newark, N. J.
Spence Bros. Construction Co., 2409 Euclid av, Cleveland, O.
Storm King Stone Co., 90 West, New York
West Roxbury Trap Rock Co., Grove c Centre, W. R., Boston, Mass.

Traps (Animal)

Animal Trap Co., Lititz, Pa.
HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
NIAGARA FALLS METAL STAMPING Works, Niagara Falls, N. Y. (See adv. index, end of book)

Traps (Back Water)

Barrett, Jas. Mfg. Co., 211 Franklin, Boston, Mass.
Miller Foundry & Specialty Co. (And Cellar Drains), North Tonawanda, N. Y.
Murphy Specialty Co. ("Murphy," Combined Catch Basin & Back Water Trap), Milwaukee, Wis.
Perfect Sewer Trap Mfg. Co., 61 Beekman, New York
Swett, A. L. Iron Works, Medina, N. Y.

Traps (Bath & Basin)

A. D. Mfg. Co. (Nickel Plated), Detroit, Mich.
Clarke, Robert (Non-Syphoning Bath), 100 Schermerhorn, Brooklyn, N. Y.
Climax Specialty Co., Elmira, N. Y.
Dayton Supply Co. ("Upon Floor" Bath), Dayton, O.
Frost Mfg. Co. ("Femco"), Kenosha, Wis.
Haines, Jones & Cadbury Co. ("Hajoca" Bath), 1130 Ridge av, Phila., Pa.
Ideal Mfg. Co. (Laboratory), Detroit, Mich.
Ireland & Matthews Mfg. Co. ("Boss" & "S"), Detroit, Mich.
McAuliffe Non-Syphoning Trap Co. ("McAuliffe"), Chelsea, Mass.
Murphy Specialty Co. ("Murphy"), Milwaukee, Wis.
National Mfg. & Supply Co. ("National" Combined Bath Trap, Waste & Overflow), Minneapolis, Minn.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Scully, W. J. Ventilator & Mfg. Co. (Scully Self-Cleaning), Detroit, Mich.
Standard Brass & Iron Works ("Dale" Catch Basin), Milwaukee, Wis.
Sure Seal Trap Co. (Nickel Plated Brass), Providence, R. I.
Wolverine Brass Works, Grand Rapids, Mich.

Traps (Bell)

Barber Mfg. Co., Ashtabula, O.
Edwardsville Brass Co. (Brass), Edwardsville, Ill.

Traps (Bi-Metallic Plated)

American Shot & Lead Co., St. Louis, Mo.
A. D. Mfg. Co., Beaubien & Trombley, Detroit, Mich.

Traps (Centrifugal)

Ideal Mfg. Co., 546 Franklin, Detroit, Mich.

Traps (Drainage)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
National Tube Co., Pittsburg, Pa.

*Traps (Game)

ONEIDA COMMUNITY (Ltd.), Dept. G. (For All Kinds of Game), Oneida, N. Y. (See adv. index & branch offices, end of book)

Traps (Gopher)

Falls Mfg. Co. ("Nox-All" Dead Shot & Double Grip), San Francisco, Cal.

Traps (Grease)

Barrett, Jas. Mfg. Co., 211 Franklin, Boston, Mass.
Estabrook's, R. Sons ("Estabrook," "Boston"), 204 W 1st, S. B., Boston, Mass.
Morrison-Kretschmer Co., Dubuque, Iowa
Mott, J. L. Iron Works ("Tucker" & "Tobey"), 5th av & 17th, New York

Traps (Ground Mole)

HEARTLEY MACHINE, VARIETY Iron & Tool Works, Toledo, O. (See adv. index, end of book)
Wherry, William N., Plymouth, Mich.

Traps (Railway, Steam)

CHICAGO CARHEATING CO., Railway Exchange bldg, Chicago, Ill. & 170 B'way, New York (See adv index, end of book)
Houghton, E. F. & Co. ("Marck"), 240 W Somerset, Phila., Pa.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

Traps (Rat & Mouse)

Abingdon Trap Co. ("H"), Abingdon, Ill.
Animal Trap Co. ("Out-o-Sight," "Blizzard," "Easy Set," "Zip" & "Wizzard"), Lititz, Pa.
Chasse Mfg. Co. ("Acme" Mouse Trap), 87 Vesey, New York
DARBY, EDW. & SONS CO. ("French American"), 239 Arch, Phila., Pa. (See adv. index, end of book)
Delphos Mfg. Co. ("Lightning Re-set"), Delphos, O.
Detroit Wire & Iron Wks. ("Smith's Never Escape" & Improved "Morty" Pattern) Detroit, Mich.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lovell Mfg. Co., ("Anchor"), Erie, Pa.
Piggott Mfg. Co. ("Mirror Decoy"), 9 Woodward av, Detroit, Mich.
Reed, E. L. Mfg. Co. ("Fingersafe"), Sterling, Ill.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Stansbury, H. O. Co., 18 N 6th, Phila., Pa.
SUN MFG. CO., COLUMBUS, O. (See adv. index, end of book)
Wire Goods Co. (Wire & Wood Bottom), Worcester, Mass.
Woolson, James B., Watertown, Conn.
Worcester Wire Novelty Co. ("Hold-Em") Canton, O.

Traps (Sewer Gas)

Barrett, Jas. Mfg. Co., Boston, Mass.
Barry Mfg. Co., Muscaline, Iowa
Boston Brass Co., 36 Oliver, Boston, Mass.
CENTRAL FOUNDRY CO. ("Sure-Seal," etc.), 37 Wall, New York. (See adv. index, end of book)
Clarke, Rob't, 98 Schermerhorn, Brooklyn, N. Y.
Connolly, P. ("The Globe" Non-Syphoning), 1154 Atlantic av, Brooklyn, N. Y.
Cudell, F. E., Cleveland, O.
Dececo Co., Boston, Mass.
Detroit Sanitary Supply Co. ("Clean Sweep" Non-Syphoning), Detroit, Mich.
Dubois, F. N. Co. (Anti-Syphon Trap Vent), 245 9th av, New York
Federal-Huber Co. ("Protector," Non-Syphoning), Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Goulds Mfg. Co., 16 Murray, New York, & Seneca Falls, N. Y.
Humphreys, Mfg. Co., Mansfield, O.
Hydraulic Specialty Co., 427 Walnut, Phila., Pa.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
Iowa Fitting Co. ("Barker"), Marshalltown, Iowa
Jenkins Mfg. Co. ("Sanos"), Bloomfield, N. J.
King Mfg. Co., Watervliet, N. Y.
McCumbridge & Co. (Ltd.), 315 N 20th, Philadelphia, Pa.
Monarch Brass Co. ("Bower"), Cleveland, O.
Mott, J. L. Iron Works, 118 5th av, New York
Northwestern Foundry & Supply Co. (Cast Iron), Orleans nr Grand boul, Detroit, Mich.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Park & McKay Co., 55 Bagley, Detroit, Mich.

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Perfect Sewer Trap Mfg. Co., 61 Beekman, New York
Providence Steam Trap Co. (Lead & Brass), 16 Diamond, Providence, R. I.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.
Sproul & McGurrin ("Excelsior" Grease Traps), Grand Rapids, Mich.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
Sure Seal Trap Co. (Basin, Urinal, Bath, etc.), Providence, R. I.
Victor Excelsior Brass Works, 128 White, New York
Wolff, L. Mfg. Co., 117 W Lake, Chicago, Ill.

Traps (Sewer, Tide & Back Water)

Barrett, Jas., Mfg. Co., 211 Franklin, Boston, Mass

Traps (Steam)

Acton, Jno. ("Old Reliable"), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing") 60 Church, Albany, N. Y.
Albert Pipe & Supply Co., Bay City, Mich.
American Blower Co. ("Detroit"), 1400 Russell, Detroit, Mich.
American District Steam Co. ("Star," "Holly," "Niagara" & "Empire"), 101 Elm, Lockport, N. Y.
Anderson, V. D. Co. ("Anderson"), 1935 W 96th, Cleveland, O.
Ashcroft Mfg. Co. "McCracken," "Boyle"), 85 Liberty, New York
Atwood & Morrill ("XXth Century"), Salem, Mass.
Baldwin Engineering Co., 107 W 17th, New
Bayley Mfg. Co., Milwaukee, Wis. York
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Berry Engineerng Co., Chester, Pa.
Boston Machine Works, Lynn, Mass.
Boston Steam Specialty Co. ("Ketcham"), 168 Congress, Boston, Mass.
Bourdon Co. ("Rex" "Twin Tube"), Boston, Mass.
Buffalo Forge Co. (Automatic Pump & Receiver Type), Buffalo, N. Y.
Burrows Mfg. Co., York, Pa.
Central Station Steam Co., Detroit, Mich.
Chester Engineering & Machine Co. ("Walters"), Chester, Pa.
Consolidated Engineering Co. ("Van Auken"), c Jackson & Canal, Chicago, Ill.
Consolidated Mfg. & Supply Co. ("Vance"), Pittsburg, Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Davis, Geo. M. Regulator Co., 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co. ("Curtis"), 24 Canal, Boston, Mass.
Direct Separator Co. ("Powers"), Syracuse, N. Y.
Dunham, C. A. Co. ("Dunham," Drain Valve & Steam Trap), Marshalltown, Ia.
Durable Steam Trap Co. ("Cannon"), Youngstown, O.
Economy Specialty Co., 2228 W 49th pl, Chicago, Ill.
Exeter Machine Works, Exeter, N. H.
Eynon-Evans Mfg. Co. ("Smurthwaite"), 1519 Clearfield, Philadelphia, Pa., & 107 Liberty, New York
Fairbanks Co. ("Pratts"), 186 Lafayette, New York
Flinn, R. J. ("Flinn" Differential), W Roxbury Station, Mass.
Ford, Thos. P. Co. (Compound), 407 Broome, New York
Fosket & Bishop Co. ("Fosket & Bishop"), New Haven, Conn.
Funke, Franz Steam Trap Co., Milwaukee, Wis.
Garratt, W. T. & Co. ("McKellar"), San Francisco, Cal.
General Fire Extinguisher Co., Providence, R. I.
Glover Bros. ("John Glover," "Jones"), Paul & Vandike, Fkd., Phila., Pa.
Golden-Anderson Valve Specialty Co. ("Golden" Tilting), Fulton bldg, Pittsburg, Pa.
Haines, Wm. S. Co., ("Heintz"), 136 S 4th Philadelphia, Pa.
Hoffman Mfg. Co., Milwaukee, Wis.
Houghton, E. F. & Co. ("Marck," also Railway Traps), 240 W Somerset, Phila., Pa.
Hughson Steam Specialty Co. ("Eclipse"), 5021 S State, Chicago, Ill.
Hussey, McCann & Co. ("Peerless"), 87 Warren, New York
Illinois Malleable Iron Co., 515 Diversity boul, Chicago, Ill.
Johnston, Robt. C. & Co. ("Smith"), Cincinnati, O.
Johnston, Wm. T. Co. ("Johnston" Brand), Cincinnati, O.
Kelly & Jones ("Nason" Pattern), Pittsburg, Pa.
Kieley & Mueller ("Standard" & "Champion"), 7 W 13th, New York
Kitts Mfg Co., Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Lawler Regulator Co. ("Lawler's," "Empire" & Monitor," "Lawler's" Duplex & Return Trap), 473 W B'Way, New York
Lawson, Henry ("Hawes"), 207 Centre, New
Lindstrom, Jno. T., Allentown, Pa. York
Linton Machine Co. "Komo"), 26 Cortlandt, New York
Lippincott Steam Specialty & Supply Co. ("Lippincott"), Newark, N. J.
Locke Regulator Co., Salem, Mass.
Lonergan, J. E. & Co. ("Reliable"), 211 Race, Phila., Pa.
Lytton Mfg. Corp'n ("Lytton"), Franklin, Va.
McAuley Automatic Trap Co. ("McAuley" Automatic), Pittsburg, Pa.
McCrea, Jas. & Co. ("H. H."), 67 W Wash'n, Chicago, Ill.
McMann's, Thos. R. Sons ("Russell"), 58 Gold, New York
Marsh, Jas. P. & Co., Chicago, Ill.
Mitchell, W. K. & Co. ("Denny" High & Low Pressure), Schuylkill av & Ellsworth, Phila., Pa.
Monash-Younker Co. ("Mo-Yo-Co," "Fidelity" & "Monash"), 203 S Canal, Chicago, Ill.
Mongrieve Engineering Co. ("Angell"), Perth Amboy, N. J.
Morehead Mfg. Co. ("Morehead" Non-Return), Detroit, Mich.
Mott, J. L. Iron Works ("Tobey"), 118 5th av, New York
Murray Automatic Boiler Feed Co., 892 Scotten av, Detroit, Mich.
Nason Mfg. Co. ("Nason" & "Sideing"), 71 Beekman, New York
National Blower Works ("National"), Milwaukee, Wis.
National Dry Kiln Co. ("National"), Indianapolis, Ind
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Steam Specialty Co., 230 E Wash'n, Chicago, Ill.
National Supply Co., 1 St. Clair, Toledo, O.
National Tube Co., Pittsburg, Pa.
Neff, Geo. W. & Co. ("Vesuvius" Self-Cleaning), 42 Broadway, New York
Nelson, Chas. ("Dinkel"), 439 E 10th, New York
Nichols, E. M. ("Hardy"), 639 Arch, Philadelphia, Pa.
Nicholson, W. H. & Co. ("Wyoming"), Wilkes-Barre, Pa.
Oliver & Howland Co. ("Howland"), Springfield, Mass.
Pancoast, Henry B. & Co. ("Barr's"), 248 S 3d, Philadelphia, Pa.
Parker Mfg. Co. ("Standard" & "Upton"), Boston, Mass.
Pearce, W. H. & Co. ("Crescent"), 269 Dearborn, Chicago, Ill.
Pittsburg Valve & Fittings Co. ("Pittsburg"), Pittsburg, Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh"), 80th & Liberty av., Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th st & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Platt, Jno. ("Geipels"), 97 Cedar, New York
Pratt & Cady Co., Hartford, Conn.
Prims, J. C. Machinery Co. ("Taylor"), Battle Creek, Mich.
Providence Steam Trap Co. ("Newton"), Providence, R. I.
Reliance Gauge Column Co. ("Reliance"), Cleveland, O.
Rutzler, E. Co. (Automatic), 127 White, New
Ryan, E. J., Danville, Ill. York
Schaeffer & Bundenberg Mfg. Co. ("Acme," "Nason Pattern" & Expansion), 963 Kent av, Brooklyn, N. Y.
Schotte Specialty Co. ("Combi" Recording), American Trust bldg, Chicago, Ill.
Schoonmaker, A. G. Co., 143 Liberty, New York
Schutte & Koerting Co. ("Mueller-Schutte," "Watson," "Mill"), 1251 N 12th, Phila., Pa.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)
Standard Steam Specialty Co. ("Sirius"), 542 W B'way, New York
Steam Appliance Co. ("Triumph" Steam Actuated), Milwaukee, Wis.
STRONG, CARLISLE & HAMMOND Co. (The "Squires," "Winter"), Cleveland, O. (See adv. index, end of book)
Sturtevant, B. F. Co., Hyde Park, Mass.
Templeton Mfg. Co. ("Sterling"), Boston, Mass.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Watson & McDaniel Co. ("McDaniel," "Reliable," "Chapman," "Columbia"), 146 N 7th, Philadelphia, Pa.
Watts Regulator Co., Lawrence, Mass.
Williams, D. T. Valve Co. ("Cookson"), 410 E 8th, Cincinnati, O.
Williams Gauge Co. ("Williams" Bucket & Steam Operated), Pittsburg, Pa.
Wright Mfg. Co. ("Wright Emergency" & "Victor" Low Pressure), Detroit, Mich.

Traps (Target)

Hoyt Metal Co., St. Louis, Mo. & Perth Amboy, N. J.

Traps (Vacuum)

Lytton Mfg. Corp'n ("Lytton"), Franklin, Va.
Newman Mfg. Co., 26 Cortlandt, New York
STRONG, CARLISLE & HAMMOND Co. ("The Winter"), 336 Frankfort av, N. W., Cleveland, Ohio. (See adv. index, end of book)

Traps (Waste)

Sure Seal Trap Co. (Inc.) (Non-Syphon), 95 Pine, Providence, R. I.

*Travelers (Ferry)

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)

Traveling Bags & Suit Cases

(See also Trunk Manufacturers)

Abel & Bach Co., Milwaukee, Wis.
Atlas Suit Case Co., 32 Howard st, New York
Barnum Trunk Co., 715 Nicollet av, Minneapolis, Minn.
Belber Trunk & Bag Co., Columbia av & Macher, Phila., Pa.
Boyle, John & Co., 112 Duane st, New York
Co-operative Mfg. Co., West Somerville, Mass.
Crane Cros., Westfield, Mass.
Crouch & Fitzgerald, 161 B'way, New York
Duguid Bros., Toledo, O.
Elias, Charles, 253 Bowery, New York
Enterprise Bag Co., 14 Thomas, New York
Excelsior Trunk Co., Kansas City, Mo.
Fabric Leather Co., Defiance, O.
Fibre Specialty Co., Kennett Square, Pa.
Galewski, S., 521 B'way, New York
Gerding, Geo. W., 405 Commerce, Phila., Pa.
Gibb & Harris, Los Angeles, Cal.
Hahn & Aberg, 569 B'way, New York
Hartmann Trunk Co., Chicago, Ill.
Haskell Bros., Wabash av & Wash'n st, Chicago, Ill.
Headley & Farmer Co., Harrison, N. J.
Kuester, August, 417 Market, Phila., Pa.
Lanz, Owen & Co., 70 W. Jackson Blvd, Chicago, Ill.
Leatheroid Mfg. Co., Kennebunk, Me.
Likly, Henry & Co., Rochester, N. Y.
Lowy, A., 6 Wooster, New York
Lowy & Co., 29 Lispenard, New York
Malm, C. A. & Bro., San Francisco, Cal.
Mayer, Max, 131 N 10th, Phila., Pa.
Meier, Jacob F. Co., Detroit, Mich.
New England Trunk Co., Boston, Mass.
Peddle, T. B. & Co.; Salesroom, 368 B'way, New York. Factory, Newark, N. J.
Rippe & Fine, 68 Thomas, New York
Rubenstein, A., 25 White, New York
Schmickl, F. & Co., 558 B'way, New York
Schmit Bros. Trunk Co., Oshkosh, Wis.
Secor, M. M. Trunk Co., Racine, Wis.
Warren Leather Goods Co., Worcester, N. Y.
Weingarten & Geberer, 46 Howard, New York
White, E. H. Co., 443 N 10th, Phila., Pa.
Wilt, Chas. T., 180 Wabash av, Chicago, Ill.

Trays (Brass)

Knapp Mfg. Co. (Bar, Candy, etc.), 20 Warren, New York
Sweeney, W. H. Mfg. Co. (All Styles), 66 Water, Brooklyn, N. Y.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Trays (Core)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

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Treadles (Foot Power)

Slotkin Mayer (For Light Machinery, etc.), 210 Canal, New York

Treads (Car Step)

(See Car Steps & Treads)

Treads (Dog Power)

(See also Horse Powers)

Dobson Mfg. Co., Rockford, Ill.
Gowanda Agricultural Works, Gowanda, N. Y.
McDermaid, J., Rockford, Ill.
Lamb & Co., Freeport, Ill.

Treads (Push Button Floor)

Ansonia Electrical Co. ("Daisy"), Ansonia, Conn.
Renim Specialty Co. ("Ideal"), Brighton Station, Boston, Mass.

Treads (Rubber)

(See Mats & Matting, Rubber)

Tree Guards

(See Wire Workers; also Wire Fence & Gates; also Iron Railings & Fences)

Treenails

Hoskins, J. S. Lumber Co. ("Locust," for Ship Purposes), Baltimore, Md.

Trench Machines

(See Sewer & Trench Excavating Machines)

Trestles (Painters' & Masons')

Burroughs, W. E., S 7th av, Brooklyn, N. Y.
Frizell Ladder Co., 135 Granite av, Dor., Boston, Mass.
Moulton, C. W. & Co., Somerville, Mass.

Trestles (Shaft Hanging)

Portland Extension Ladder Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J

*Trestles (Steel Frame)

SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)

Triangles

Brown & Sharpe Mfg. Co. (Steel), Providence, R. I.
Disston, Henry & Sons (Inc.) (Steel), Tacony, Phila., Pa.
Humason & Beckley Mfg. Co., New Britain, Conn.
Kalamazoo Railway Supply Co. ("Safety"), Kalamazoo, Mich.
Smith, E. G. Co. (German Silver), Columbia, Pa.

SOLTMANN, E. G.
(Wood with Transparent Edges; also Everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)

Trimmers (Bolt Head)

BLISS, E. W. CO., 19 Adams, Brooklyn, New York. (See adv., index, end of book)
National Machinery Co., Tiffin, Ohio.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Trimmers (Grass)

Barr Lawn Trimmer Co. ("Barr" Lawn Trimmer), Lancaster, Pa
Townsend, S. P. & Co., Orange, N. J.

Trimmers (Hedge)

American Axe & Tool Co., Glassport, Pa.
Stearns, E. C. & Co. (Or Lawn), Syracuse, N. Y.

Trimmers (Hoof)

Muncie Wheel & Jobbing Co. ("Easy" for Trimming Horse Hoofs), Muncie, Ind.

Trimmers (Lamp)

Acme Shear Co., Bridgeport, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Ives, H. B. Co. ("Barnard"), New Haven, Conn.

Trimmers (Lumber)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
American Sawmill Machinery Co. ("American"), 50 Church, New York, & Hackettstown, N. J.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Clark Bros. Co., Belmont, N. Y.
Cook, R. A., Stevens Point, Wis.
Curtis & Co. Mfg. Co., St. Louis, Mo.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works ("Wilkinson," "Diamond" & "Harmon"), Minneapolis, Minn
Filer & Stowell Co., Home Office, Milwaukee, Wis.
Fox Machine Co. ("Universal"), Grand Rapids, Mich.
Garland, M. Co. (Two Saw), Bay City, Mich.
Gordon Hollow Blast Grate Co. (The "Tower"), Greenville, Mich
Henderson, W. K. Iron Works & Supply Co., Shreveport, La
Howell, R. R. & Co., Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Link Belt Co., 39th & Stuart av, Chicago, Ill.
Murray, J. D. Mfg. Co., Wausau, Wis.
Oliver Machinery Co. ("The Oliver"), Grand Rapids, Mich.
Phoenix Mfg. Co., Eau Claire, Wis.
Smith, Myers & Schnier Co., Cincinnati, O.
Southern Engine & Boiler Works, Jackson, Tenn
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Union Iron Works, Bangor, Me.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

Trimmers (Paper Hangers')

(See also Tools, Paper Hangers')

Ridgeley Trimmer Co., Springfield, O.
Standard Trimmer Co., Springfield, O.
Webster & Perks Tool Co. ("Simplex"), Springfield, O.

*Trimmers (Sheet Metal)

BLISS, E. W. CO., 19 Adams, Brooklyn. (See adv. index, end of book)

Trimmers (Slate)

Ruggles Machine Co., Poultney, Vt.

Trimmers (Spoke)

Bonney Vise & Tool Works (Inc.), Allentown, Pa.
Millers Falls Co., 28 Warren, New York. Works: Millers Falls, Mass

Trimmers (Tree)

(See also Shears, Pruning)

Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.
Oshkosh Tool Mfg. Co., Oshkosh, Wis.

Trimmers (Wall Paper)

(See Trimmers, Paper Hangers')

Trimmings (Bedstead)

Scovill Mfg. Co., Waterbury, Conn.

Trimmings (Car)

(See Car Trimmings)

*Trimmings (Curtain Pole)

TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)

Trimmings (Fancy Box)

Hassall, John (Hinges, Catches, etc.), 171 Lafayette, New York

Trimmings (Furniture)

American Ring Co., Waterbury, Conn.
Artistic Bronze Co., South Norwalk, Conn.
Grand Rapids Brass Co. (Metal Escutcheons Knobs, Pulls, Locks, Hinges, etc.), Grand Rapids, Mich
Novelty Mfg. Co. (Metal), Waterbury, Conn.

Trimmings (Refrigerator)

Dent Hardware Co., Fullerton, Pa.

Trimmings (Smoking Pipe)

Novelty Mfg. Co. (Brass), Waterbury, Conn.

Trimmings (Table Cutlery)

Novelty Mfg. Co., Waterbury, Conn.

*Tripods (Drill)

INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)

Tripoli

American Tripoli Co., Seneca, Mo.
Cohutta Talc Co. (Miners' & Refiners'), Dalton, Ga
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
National Tripoli Co. (Stone & Flour, also Floor Polish), Columbus, O.

*Trippers (Belt)

WEBSTER MFG. CO., 1075 W. 15th Chicago, Ill., & 88 Reade, New York. (See adv. index & branch offices, end of book)

Trolley Cord

(See Cords, Trolley, Arc Lamp & Bell)

Trolley Ears

Allen Fire Department Supply Co., Providence, R. I.
American General Engineering Co., 253 B'way, New York
Anderson, Albert & J. M. Mfg. Co., Boston, Mass.
Aurora Specialty Mfg. Co. (Of All Kinds), Aurora, Ill.
Chester Railway Supply Co. "Dyer"), Chester, Pa.
Columbia Machine Works & Malleable Iron Co., 169 Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Electric Service Supply Co., 1024 Filbert, Phila., Pa.
Electric Traction Supply Co., St. Louis, Mo.
Eureka Tempered Copper Works, North East, Pa.
Morris, Elmer P. Co., 90 West, New York
Ohio Brass Co., Mansfield, O.
Western Electric Co., 259 S. Clinton, Chicago Ill., & 57 Bethune, New York

Trolley Harps or Forks

(See Forks, Trolley; also Trolley Line Materials)

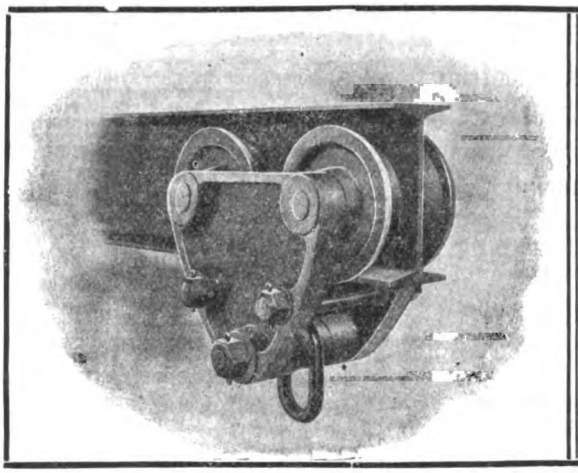
Trolley Line Materials

(See also Railway Supplies, Electric)

Ajax Line Material Co., 12 S Jefferson, Chicago, Ill.
American General Engineering Co. ("A-G-E"), 253 B'way, New York
Anderson, Albert & J. M. Mfg. Co. (Overhead), 289 A. S. Boston, Mass.
Archbold-Brady Co., Syracuse, N. Y.
Aurora Specialty Mfg. Co., Aurora, Ill.
Bayonet Trolley Harp Co. (Detachable Trolley Harp & Butterfly Sleet Cutter), Springfield, O.
Boston Electric Co., 29 Harrison av, Boston, Mass.

When writing to firms whose names appear in this book please mention
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Trolleys - Cranes - Conveyors
Engineers' Special Machinery
Castings - Structural Work

MANUFACTURERS OF
BEST ROLLER BEARINGS MADE
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G. & W. MFG. CO.
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Central Union Brass Co. ("Gem"), St. Louis, Mo.
Chester Railway Supply Co. ("Dyer" Trolley Ears, etc.), Chester, Pa.
Clark Elec. & Mfg. Co. ("Clark"), 137 B'way, New York
Columbia Machine Works & Malleable Iron Co. (Strain Line Anchor, etc.), 269 Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co. ("Bourbon"), Cincinnati, O.
Eccles & Smith Co., San Francisco, Cal.
Electric Railway Equipment Co., 1938 W 5th, Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 1024 Filbert, Phila., Pa.
Electric Traction Supply Co. (Bronze Ears, Splicing Sleeves, etc.), St. Louis, Mo.
Elyria Trolley Supply Co. (Trolley Wheels & Harps), Elyria, O.
Eureka Tempered Copper Works (Trolley Ears, Splicers, etc.), North East, Pa.
Garton, W. R. & Co. (Flexo & Semi-Flexo Trolley Ears; Mabir & Hivol Pins, etc.), 118 W Jackson boul, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Hall, Wm. & Co., 7 Dock sq., Boston, Mass.
JEFFREY MFG. CO., (Mine), 90 Columbus, O. (See adv. index & branch offices, end of book)
Johns, H. W.-Manville Co. ("J. M."), 100 William, New York
Keystone Drop Forge Works (Harps, etc.), Chester, Pa.
Kingsland-Kay-Cook Mfg. Co., Mullanphy & 11th, St. Louis, Mo.
Lang, J. Electric Co., 116 N Lincoln, Chicago, Ill.
Lovell, F. H. & Co., New York
Macallen Co., cor. Foundry & Division, Boston, Mass.
More-Jones Brass & Metal Co., St. Louis, Mo.
Morris, Elmer P. Co., 90 West, New York
New Departure Mfg. Co. (Harps, etc.), Bristol, Conn.
NUTTALL, R. D. CO. ("Union Trolley Harps"), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Ohio Brass Co. (Overhead), Mansfield, O.
Phila. Electrical & Mfg. Co. ("Pemco" Feeder Arms, etc.), 1232 N 31st, Phila., Pa.
Pittsburg Pole & Forge Co. (Complete Line for Overhead Construction), Pittsburg, Pa.
Post-Grover Electric Co., 314 W 4th, Cincinnati, Ohio
Recording Fare Register Co. (Multi-Ampere Trolley Harps & Other Specialties), New Haven, Conn.
Ridlon, Frank, Co., 200 Summer, Boston.
Star Brass Works, Kalamazoo, Mich. Mass.
Sterling-Meaker Co., 420 Ogden, Newark, N. J.
Stuart-Howland Co., 279 Devonshire, Boston, Mass.
Wallace Supply Co., 23 S Jefferson, Chicago, Ill.
Western Electric Co. ("Electrose," Overhead), 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELEC. & MFG. CO., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Trolley Pole Brackets
(See Brackets, Trolley Pole)

Trolley Pole Catchers
(See Catchers & Retrievers, Trolley)

Trolley Poles
(See Poles, Various Kinds; also Ties, Poles & Posts)

Trolley Wheels
(See Wheels, Trolley)

Trolleys (Electric Conveying)
Yale & Towne Mfg. Co., 9 Murray, New York

*Trolleys (Mine)
NUTTALL, R. D. CO., Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)

Trolleys & Chairs (Cable Stringing)
Bissell, F. Co. ("Security"), Toledo, O.
Central Telephone & Elec. Co. ("Arrow"), St. Louis, Mo.
Matthews, W. N. & Bro. ("Callahan"), St. Louis, Mo.
Oshkosh Logging Tool Co., Oshkosh, Wis.

Trolleys & Trolley Tracks (Overhead)
Bartholomew, H., Phoenixville, Pa.
Bethlehem Foundry & Machine Co., Front, South Bethlehem, Pa.
Box, Alfred & Co., 813 N Front, Phila., Pa
BROWN HOISTING MACHINERY CO., 4403 St. Clair, N. E., Cleveland, O. (See adv. index & branch offices, end of book)
Case Crane Co. (I Beam), Columbus, O.
CHISHOLM & MOORE MFG. CO. (Geared & Plain Yoke Trolleys), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Cleveland Car Co., West Park, O.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
COHOES IRON FOUNDRY & MACHINE Co., Cohoes, N. Y. (See adv. index, end of book)
Curtis & Co., Mfg. Co. (Air Motor, Beam Trolleys, & Tunnison Beam Trolley Hoists, etc.), St. Louis, Mo.
Dake Engine Co. (Pneumatic & Steam), Grand Haven, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. (See adv. index, end of book)
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
G. & W. MFG. CO., 26 Cortlandt, New York. (See adv. index, end of book)
Gregg Company (Ltd.), Newburgh, N. Y.
Harrington, Edw. Son & Co., 17th & Callowhill, Phila., Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Hunt, C. W. Co. (Hand), West New Brighton, S. I., N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
McCABE HANGER MFG. CO. (Eye Beam), 425 W. 25th, New York. (See adv. index, end of book)
Maris Bros., 56th & Grays Ferry rd, Phila., Pa.
Moore, Franklin Co., Winsted, Conn.
Myers, F. E. & Bro., Ashland, O.
North Alabama Engineering Co., New Decatur, Ala.
NEW JERSEY FOUNDRY & MAchinery Co. 90 West, New York. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Obenberger, Jno. Co. (Flat Bar & I Beam), Milwaukee, Wis.
Philadelphia Tram-Rail Co., Front & Tusculum, Phila., Pa.
Randall, R. T. & Co., 333 N 2d, Phila., Pa.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
Richards Mfg. Co. ("Richards" Trolley Overhead Carriers), Aurora, Ill.
Round, David & Son, Cleveland, O.
Shepard Electric Crane & Hoist Co. (Electric & Pneumatic, Plain & Geared, I-Beam), Montour Falls, N. Y.
SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
Stuebner, G. L., Long Island City, N. Y.
Treadwell M. H. Co., 90 West, New York.
Works, Lebanon, Pa.
Whitehead & Kales Iron Works, Detroit, Mich.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co., Aurora, Ill.
Yale & Towne Mfg. Co. (Crane I-Beam & Plain Rail), 9 Murray, New York

Troughs (Hog)
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.

Troughs (Meat)
Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis.

Troughs (Watering)
Casey-Hedges Co. (Cast Iron Horse), Chattanooga, Tenn.
Chicago Steel Tank Co., 194 Mather, Chicago, Ill.
Comstock, Geo. S. (Steel), Mechanicsburg, Pa.
Harry, O. K. Steel Wks., Wallas, Texas
Honhorst, Joseph Co., Cincinnati, O.

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Kelly Mfg. Co., Waterloo, Ia.
Lee Trough Co., Kansas City, Mo..
National Steel Tank Co. (Galvanized Steel), Niles, Mich.
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass.; Works: Asbestine, Va., & Cleveland, O.
Walls, Owen & Stambach Co. (Soapstone), 11th & Ridge av. Phila, Pa.
Weaver Mfg. Co. (Steel), New Oxford, Pa.

Trowels

Arcade Mfg. Co. (Steel Garden, etc.), Freeport, Ill.
Atkins, E. C. & Co. (Plastering, etc.). Home Offices & Factories: Indianapolis, Ind.
Avery Stamping Co. ("Never-Break" Garden), Cleveland, O.
Billings, Jas. E., Irvington, N. J.
Billings, Spencer Co. (Drop Forged), Hartford, Conn.
Browne & Dowd Mfg. Co. (Plastering), Meriden, Conn.
Clark, W. J. Co. (Garden, Brick, Plastering, etc.), Salem, O.
Connelly, P. F. (Adjustable Sidewalk), El Reno, Okla.
Disston, Henry & Sons (Inc.) (Garden, Brick, Plastering, etc.), Tacony, Phila., Pa.
Hardware & Woodenware Mfg. Co., 693 B'way, New York
Humphrey, H. W. (Garden, etc.), Unionville, Conn.
Jackson Shovel & Tool Co. ("Gem." Garden, etc.), Montpelier, Ind.
Johnson, Wm. (Hedenberg Works), (Handy, Garden, Transplanting, Brick Plastering, Pointing, Corners, etc.), Newark, N. J.
Kohler, F. E. & Co. (Garden, etc.), Canton, O.
Landers, Frary & Clark (Garden), New Britain, Conn.
Lothrop, H. H. & Co., Sharon, Mass.
Marshalltown Trowel Co. (Plasterers' Brick, etc.), Marshalltown, Ia.
Maynard, C. A. ("C. A. Maynard" Garden, Brick), Northampton, Mass.
National Saw Co. ("Woodrough" & "McFarlin," "Cincinnati" Brick & Plastering), 15 River, Newark, N. J.
New York Stamping Co. ("Garden Primrose"), N 11th & Berry, Brooklyn, N. Y.
NIAGARA HANDLE & FERRULE CO., 321 N Holliday, Baltimore, Md. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Rose, Wm. & Bros., Sharon Hill, Pa.
Ross, A. M. & Co., Ilion, N. Y.
Sayre, L. A. Co., Newark, N. J.
Smith, H. D. & Co. ("Perfect Tandle" Drop Forged), Plantsville, Conn.
Stortz, Jno. & Son (Brick, Plastering, Pointing, Putty, Paint, etc.), 210 Vine, Phila., Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Union Trowel Works ("Billings"), Irvington N. J.
Western Steel & Iron Works (Garden), De Pere, Wis.

Trowels (Butter)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
Landers, Frary & Clark (Inc.) (Also Butter Spades etc.), New Britain, Conn.

Trowels (Molders')

(See Tools, Molders')

Truck Bands (Rubber)

BOSTON BELTING CO., 200 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Empire Rubber Mfg. Co., Trenton, N. J.
Goodrich, B. F. C., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J., & 60 Reade, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., 18 Vesey, New York
Mechanical Rubber Co., 73 Reade, New York.
Morgan & Wright (Inc.), Detroit, Mich.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
United & Globe Rubber Mfg. Co., Trenton, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wilkie Rubber Mfg. Co., Saugus, Mass.

*Truck Haulers (Electric)

MEAD-MORRISON MFG. CO. (Use on docks for hauling cargo from vessels), Cambridge (Boston), Mass. (See adv. index & branch offices, end of book)

Trucks (Aerial)

American-La France Fire Engine Co., 140 B'way, New York, & Elmira, N. Y.
Pneumatic Aerial Fire Appliance Co., New Bedford, Mass.
Seagrave Co., Columbus, Ohio

Trucks (Armature)

Device Improvement Co. ("Peerless"), Hamilton, Frank Co., Boston, Mass. over, Pa.
Smith & Wallace, Woburn, Mass.

Trucks (Assembling)

Towsley, J. T. Mfg. Co., Cincinnati, O.

Trucks (Bag Holder)

New Winona Mfg. Co. ("Gilbert"), Winona, Minn.

Trucks (Bag & Barrel)

Adams Co. (Iron), Dubuque, Ia.
ATLAS CAR & MFG. CO., 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
Barnard & Leas Mfg. Co., Moline, Ill.
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Buch's, A. Sons Co., Elizabethtown, N. J.
Buffalo Scales Co., Buffalo, N. Y.
Case Mfg. Co., Columbus, Ohio
Chase Foundry & Mfg. Co., Columbus, Ohio
Chicago Scale Co., 292 Jackson boul, Chicago, Ill.
Clark, Geo. P. Co., Windsor Locks, Conn.
Comstock, Geo. S. (Bag), Mechanicsburg, Pa.
Enterprise Mfg. Co., 3d, cor. Dauphin, Phila., Pa.
Fairbanks Co., Lafayette, cor. Broome, New York
Farquhar, A. B. Co. (Ltd), York, Pa.
Hanover Plow Handle Co., Hanover, Pa.
Howe Scale Co., Rutland, Vt.
Illinois Iron & Bolt Co. ("Hercules" All Steel) Carpentersville, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Knowles Scale Works (Ash Barrels Can), Lowell, Mass.
Lansing Wheelbarrow Co., Lansing, Mich.
Lehr Agricultural Co., Fremont, O.
Lyon Metallic Mfg. Co., Aurora, Ill.
McKinney Mfg. Co., Pittsburg, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Nordyke & Marmon Co., Indianapolis, Ind.
Nutting Truck Co. (2, 3, 4 & 6 Wheeled), Faribault, Minn.
Ohio Ceramic Engineering Co., Cleveland, O.
Phoenix Hardware Mfg. Co. (Barrel Only), Homer, N. Y.
Potts & Morris ("Hercules," Self-Loading Barrel), Land Title bldg, Philadelphia, Pa.
Riehle Bros. Testing Machine Co., Phila., Pa.
SPROUT, WALDRON & CO. (Bag), Muncy, Pa. (See adv. index, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tatum, Samuel C. Co., Cincinnati, O.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Whitehurst, E. W. Co., Norfolk, Va. of book)
Wrightsville Hardware Co. (Bag), Wrightsville, Pa.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Baggage)

Ames Plow Co., Boston, Mass.
Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 292 Jackson boul, Chicago.
Chase Fdry. & Mfg. Co., Columbus, O. Ill.
Clark, Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., Lafayette, cor. Broome, New York
Farquhar, A. B. Co., York, Pa.
Howe Scale Co., Rutland, Vt.
Kalamazoo Railway Supply Co. (Also Railroad Warehouse), Kalamazoo, Mich.
Lansing Wheelbarrow Co., Lansing, Mich.
Nutting Truck Co., Faribault, Minn.
Ohio Ceramic Engineering Co., Cleveland, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Phillips, Doup & Co., 56 Pearl, Brooklyn, N. Y.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Whitman Agricultural Co., 69 S B'way, St. Louis, Mo.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Basket)

Bancroft & Co., 5th & Chestnut, Phila., Pa.
Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Nutting Truck Co., Faribault, Minn.
Ohio Ceramic Engineering Co., Cleveland, O.
Whitehurst, E. W. & Co., Norfolk, Va.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Binder & Header)

Adriance, Platt & Co. (Binder), Poughkeepsie, N. Y.
Barg Wagon Co. (Header), Burlington, Ia.
Fish Bros. Mfg. Co. (Header), Clinton, Ia.
Johnson Harvester Co. (Binder), Batavia, N. Y.
Moline Wagon Co. (Header), Moline, Ill.
Warder, Bushnell & Glessner Co. (Binder), Springfield, O.
Winona Wagon Co. (Header), Winona, Minn.

Trucks (Book)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Bottlers')

Chase Foundry & Mfg. Co., Columbus, O.
Clark, Geo. P. Co., Windsor Locks, Conn.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ohio Ceramic Engineering Co., Cleveland, O.

Trucks (Box)

Bancroft & Co., 5th & Chestnut, Phila., Pa.
Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, Ohio
City Forge & Iron Works ("Gem" & Steel Timber or Contractors' Dolly made of Steel & Cast Iron Roller Bearings with or without Rubber Tires), Dayton, O.
Clark, Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., 186 Lafayette, New York
Farquhar, A. B. Co. (Ltd.), York, Pa.
Howe Scale Co., Rutland, Vt.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.
Nutting Truck Co., Faribault, Minn.
Ohio Ceramic Engineering Co., Cleveland, O.
Potts & Morris ("Hercules," Self-Loading), Land Title bldg, Philadelphia, Pa.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Brick)

American Clay Machinery Co., Bucyrus, O.
Arnold-Creager Co., New London, O.
ATLAS CAR & MFG. CO., The, 1289 Marquette rd, N E, Cleveland, O. (See adv. index, end of book)
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Boston & Lockport Block Co., Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, O.
Davis-Price Foundry & Machine Co., New Cumberland, W. Va.
Fairbanks Co., 416 Broome, New York
Fernholtz Brick Machinery Co., Boyle & Old Manchester avs, St. Louis, Mo.
Gregg Company (Ltd.), Newburgh, N. Y.
Horton Mfg. Co., Painesville, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-FETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Martin, Henry Brick Machine Mfg. Co., Lancaster, Pa.
Michigan Brick & Tile Machine Co., Moreed, Mich.
Northern Engineering Works, Detroit, Mich.
Potts, C. & A. & Co., Indianapolis, Ind.
Raymond, C. W. Co., Dayton, O.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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Scott's Patent Brick Car Co., Knoxville, Tenn.
Steele, J. C. & Son, Statesville, N. C.
Wellington Machine Co., Wellington, O.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.

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Trucks (Canning Factory)

Chase Foundry & Mfg. Co., Columbus, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

Trucks (Car, Steam & Electric)

American Car Co. (Steam & Electric), St. Louis, Mo.
American Locomotive Co., 30 Church, New York
American Steel Foundries (Steam), Commercial Nat. Bank bldg, Chicago, Ill.
Baldwin Locomotive Works (Steam & Electric), 500 N Broad, Phila., Pa.
Baltimore Car-Wheel Co. ("Lord Baltimore"), Baltimore, Md.
Barney & Smith Car Co. (Steam & Electric), Dayton, O.
Bemis Car Truck Co., Springfield, Mass.
Bettendorf Axle Co. (All Steel), Davenport, Iowa
Bloomsberg Car Mfg. Co., Bloomsburg, Pa.
Brill, J. G. Co. ("Perfect," "Universal," "Ideal," "Eureka"), 62d & Woodland av, Phila., Pa.
Cambria Steel Co. (Tender & Engine), Arcade bldg, Phila., Pa.
Cincinnati Car Co., Cincinnati, O.
Commonwealth Steel Co. (Cast Steel, Four or Six-Wheel Truck Frame In One Piece), Commerce bldg., St. Louis, Mo.; Works, Granite City, Ill.
Couple Gear Freight Wheel Co. (Electric & Gasoline Only), Grand Rapids, Mich.
Curtis Motor Truck Co. ("Curtis" All Forged Elevated & Subway, etc.), Decatur, Ill.
Danville Car Co., Danville, Ill.
Hammond, J. & Co. (Car, Electric Railway), San Francisco, Cal.
KILGORE - PETELER CO. (Industrial), Minneapolis, Minn. (See adv. index, end of book)
Kindl Car Truck Co. (Steam Car Trucks Only), Merchants Loan & Trust bldg, Chicago, Ill.
Kuhlman, G. C. Car Co., Cleveland, O.
Laconia Car Works Co. (Electric), 100 Boylston, Boston, Mass. Works: Laconia, N. H.
McGuire-Cummings Mfg. Co. ("Columbian," Electric, etc.), 112 N Sangamon, Chicago, Ill.
Pressed Steel Car Co. (Pressed Steel, Freight & Engine Tender, etc.), Pittsburg, Pa.
RUSSEL WHEEL & FOUNDRY CO. (Industrial), Detroit, Mich. (See adv. index, end of book)
St. Louis Car Co., St. Louis, Mo.
Sheffield Car Co. (Electric Motor), Three Rivers, Mich.
Standard Motor Truck Co. (Solid Forged), New Castle, Pa.
Standard Car Truck Co. ("Barber" Roller-Bearing Passenger, Electric & Freight Car, Locomotive Tender, etc.), Old Colony bldg, Chicago, Ill.
Standard Steel Car Co. (Steel Frames & Steel Underframes for Wooden Cars), Frick bldg., Pittsburg, Pa.
Stevenson, Jno. Co., Elizabeth, N. J.
Taylor Electric Track Co. ("Empire State"), Troy, N. Y.
Wason Mfg. Co., Springfield, Mass.
WESTINGHOUSE MACHINE CO., Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co. (Industrial), Harvey, Ill. (See adv. index, end of book)

Trucks (Concrete)

Burness Concrete Truck Co. ("Burness" All Steel), Kansas City, Mo.

*Trucks (Concrete Mixer)

ELECTRIC WHEEL CO. Quincy, Ill. (See adv. index, end of book)

Trucks (Core Oven)

HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.
Sterling Wheelbarrow Co. ("Sterling"), Milwaukee, Wis.

Trucks (Creamery)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Trucks (Dry Kiln)

American Blower Co., Detroit, Mich.
Archer Iron Works Co., 1st National Bank bldg, Chicago, Ill.
ATLAS CAR & MFG. CO., 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
Bancroft & Co., 5th and Chestnut, Phila., Pa.
Chase Foundry & Mfg. Co., Columbus, O.
Fairbanks Co., 416 Broome, New York.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Gregg Company (Ltd.), Newburgh, N. Y.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Michigan Mfg. & Lumber Co. ("Michigan"), Holly, Mich.
North Coast Dry Kiln Co., Seattle, Wash.
Ohio Ceramic Engineering Co., Cleveland, O.
Pacific Iron & Steel Works (Roller Bearing Steel), Fremont, Seattle, Wash.
Peacock's Iron Works, Salem, Ala.
Union Iron Works Co., Salem, Ala.
Wickes Bros., Saginaw, Mich.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index, end of book)
Youngstown Car Mfg. Co., Youngstown, O.

Trucks (Dye House)

Clark, Geo. P., Co., Windsor Locks, Conn.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Zering, H., Mfg. Co., Cincinnati, O.

Trucks (Farm)

Bettendorf Wheel Co., Davenport, Iowa
ELECTRIC WHEEL CO., (Traction), Quincy, Ill. (See adv. index, end of book)
Havana Metal Wheel Co., Havana, Ill.
King & Hamilton Co., Ottawa, Ill.
LITTLE, J. R. METAL WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Peru Plow & Wheel Co., Peru, Ill.

*Trucks (Floor)

ATLAS CAR & MFG. CO., The, 1289 Marquette, N E, Cleveland, O. (See adv. index, end of book)

Trucks (Foundry)

ATLAS CAR & MFG. CO., 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Boston & Lockport Block Co., Boston, Mass.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg., Chicago, Ill.
Byram & Co., 439 Guion, Detroit, Mich.
Chase Foundry & Mfg. Co., Columbus, Ohio.
Gregg Company (Ltd.), Newburgh, N. Y.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Wis.
SMITH, J. D. FOUNDRY SUPPLY CO., Cleveland, O. (See adv. index, end of book)
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Sterling Wheelbarrow Co. ("Sterling" Foundry & Pig Iron), Milmaukee, Wis.
Whitehurst, R. W & Co., Norfolk, Va.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

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ABENDROTH & ROOT MFG. CO. (For Commercial Use up to 5 tons), Newburgh, N. Y. (See adv. index & branch offices, end of book)

Trucks (Hook & Ladder)

American-La France Fire Engine Co. (Extension, etc.). 149 B'way, New York, & Elmira, N. Y.
Perkins, C. N. Co., Lawrence, Mass.
Portland Ladder Co., 132 Orange, N. J.
Reading Fire Appratus Works, Reading, Pa.
Seagrave Co., Columbus, O.
Stewart, A. F. & S. C., Rochester, N. Y.

Trucks (Ingot)

(See also Trucks, Rolling Mill)

Gregg Company (Ltd.), Newburgh, N. Y.
Jones & Laughlin Steel Co., Pittsburg, Pa.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Weimer Machine Works Co., Lebanon, Pa.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)
Youngstown Car Mfg. Co., Youngstown, O.

Trucks (Logging & Lumber)

American Sawmill Machinery Co. (Lumber), 50 Church, New York. Works, Hackettstown, N. J.
Archer Iron Works Co., 1st National Bank bldg, Chicago, Ill.
Atkins, E. C. & Co., Indianapolis, Ind.
ATLAS CAR & MFG. CO., 1289 Marquette rd, N E, Cleveland, O. (See adv. index, end of book)
Bain Wagon Co., Kenosha, Wis.
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Benson, A. W. Mfg. Co. ("Benson" Three-Wheel, Rail-less Trains), Minneapolis, Minn.
Boston & Lockport Block Co., Boston, Mass.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Chase Foundry & Mfg. Co., Columbus, O.
City Forge & Iron Works, Dayton, Ohio
Clark, Geo. P. Co., Windsor Locks, Conn.
Diamond Iron Works, Minneapolis, Minn.
ELECTRIC WHEEL CO. ("Electric"). Quincy, Ill. (See adv. index, end of book)
Fairbanks Co., 46 Broome, New York
Farmers Handy Wagon Co., Saginaw, Mich.
Fish Bros. Wagon Co., Racine, Wis.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Gillette Roller Bearing Co. (Ball Bearing), Grand Rapids, Mich.
Gregg Company (Ltd.), Newburgh, N. Y.
Huntsville Foundry & Machine Works (Nolan & Jones, Props.), Huntsville, Ala.
International Harvester Co. of America, Chicago, Ill.
Kanawha Mine Car Co., Charleston, W. Va.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Knight Mfg. Co., Canton, Pa.
KOPPEL, ARTHUR CO., Machesney Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Kramer Wagon Co., Oil City, Pa.
Lane Mfg. Co., Montpelier, Vt.
Luedinghaus-Espenschied Wagon Co., 1713 N B'way, St. Louis, Mo.
Lyon Iron Works, Greene, N. Y.
Michigan Mfg. & Lumber Co. (Roller Bearing Yard Truck), Holly, Mich.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dry Kiln Co. (Steel Rolling Bearing Stave Bolt, Heading & Stave Trucks), Indianapolis, Ind.
North Alabama Engineering Co., New Decatur, Ala.
North Coast Dry Kiln Co., Seattle, Wash.
Ohio Ceramic Engineering Co., Cleveland, O.
Peacock's Iron Works, Selma, Ala.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Seattle Car Mfg. Co., Seattle, Wash.
Sheffield Car Co., Three Rivers, Mich.
Southern Engine & Boiler Works (Inc.), Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Strait, H. N. Mfg. Co., Kansas City, Mo.
Towsley, John T. Mfg. Co., Evans n of Gest, Cincinnati, O.

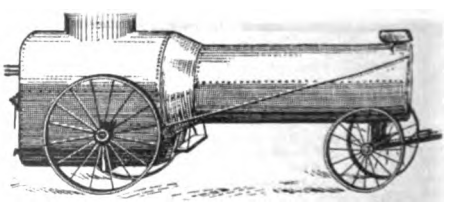
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Trucks (Motor)

Chase Foundry & Mfg. Co., Columbus, O.
Chester Engineering & Machine Co. (Gasoline), Chester, Pa.
WESTINGHOUSE MACHINE CO., Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)

Trucks (Nail Keg)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Trucks (Packers')

BALTIMORE COOPERAGE CO., THE (For Butchers & Packers), cor Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Kilbourne & Jacobs Mfg. Co. (Steel or Wood), Columbus, O.
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Pipe)

Chase Foundry & Mfg. Co., Columbus, O.
Fairbanks Co., 186 Lafayette, New York
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa (See adv. index & branch offices, end of book)

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Youngstown Car Mfg. Co., Youngstown, O.

Trucks (Plate Glass)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Printers' Form)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Trucks (Roll Paper)

Bancroft & Co., 5th & Chestnut, Phila., Pa.
Boston & Lockport Lock Co., Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, O.
Clark, Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., 416 Broome, New York
Illinois Iron & Bolt Co. ("Hercules" All Steel) Carpentersville, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Northern Engineering Works, Detroit, Mich.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Rolling Mill)

(See also Trucks, Foundry)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, O.
Fairbanks Co., 186 Lafayette, New York
Gregg Company (Ltd.), Newburgh, N. Y.
Hackensmith Wheel & Mine Car Co., Penn Station, Pa.
Jones & Laughlin Steel Co. (Ltd.), Pittsburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Morgan Construction Co., Worcester, Mass.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Spicer Mfg. Co., New Philadelphia, O. book)
Weimer Machine Works Co., Lebanon, Pa.

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Youngstown Car Mfg. Co., Youngstown, O.
Zering, H. Mfg. Co. (Bar Iron, etc.), Cincinnati, O.

Trucks (Scenery)

Farmers' Handy Wagon Co., Saginaw, Mich.

Trucks (Slag)

Power & Mining Machinery Co. (Cast or Steel Plate Bow), Cudahy, Wis.
Trayor Engineering Co. (Crucible Steel), Allentown, Pa.
Youngstown Car Mfg. Co., Youngstown, O.

*Trucks (Slate Quarry)

FLORY, S. MFG. CO., Bangor, Pa., & 149 B'way, New York. (See adv. index, end of book)

Trucks (Steel Factory, Etc.)

Illinois Iron & Steel Co. ("Hercules" All Steel for Railroad, Mill, etc.), Carpentersville, Ill.
Ohio Galvanizing & Mfg. Co., Niles, O.
VAN DORN IRON WORKS CO., (Steel Drying & Bread Trucks), 2685 N 79th, Cleveland, O. (See adv. index, end of book)

*Trucks (Steel, Gasoline Engine)

ELECTRIC WHEEL CO. ("Electric"), Quincy, Ill. (See adv. index, end of book)

Trucks (Step Ladder)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Trucks (Store, Warehouse & Factory)

Akron Cultivator Co., Akron, O.
Arcade Mfg. Co., Freeport, Ill.
Archer Mfg. Co., Freeport, Ill.
Archer Iron Works Co., 1st National Bank bldg, Chicago, Ill.
Armstrong Truck Co. (Ball Bearing), 411 Cherry Phila., Pa.
ATLAS CAR & MFG. CO., 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
BALTIMORE COOPERAGE CO., THE, cor Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Belcher & Taylor Agl. Tool Co., Chicopee Falls, Mass.
Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
Buffalo Scale Co., Scott, Miss., & Illinois, Buffa-
Chaffee Bros. Co., Oxford, Mass. lo, N. Y.
Chase Foundry & Mfg. Co., Columbus, O.
City Forge & Iron Works, Dayton, Ohio
Chicago Scale Co., 202 W Jackson boul, Chicago, Ill.
Clark, Geo. P. Co., Windsor Locks, Conn.
Columbian Mall Crane Co. ("Columbian" Steel), 898 Factory, Columbus, O.
Day, J. H. & Co., Cincinnati, O.
Defiance Box Co., Defiance, Ohio
Dietz, Fred Co., 1102 Madison av, Indianapolis, Ind.
Fairbanks Co., Lafayette, cor. Broome, New York
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Farquhar, A. B. Co. (Ltd.), York, Pa.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Grammes, L. F. & Sons, Allentown, Pa.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Hanover Plow Handle Co., Hanover, Pa.
Howe Scale Co., Rutland, Vt.; 341 B'way, New York
HUNT METAL CORNER CO., West-boro, Mass. (See adv. index, end of book)
Illinois Iron & Bolt Co. ("Hercules" All Steel) Carpentersville, Ill.
Johnson & Hibbard, Westfield, Mass.
KILGORE-PETELER CO., Minneapo-liss, Minn. (See adv. index, end of book)
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Leatherold Mfg. Co. (Leatherold), Kennebunk, Me., & 108 Lincoln, Boston, Mass.
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.
McKinney Mfg. Co., Allegheny, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Michigan Mfg. & Lumber Co., Holly, Mich.
Murray, D. J. Mfg. Co., Wausau, Wis.
Nutting Truck Co., Faribault, Minn.
Ohio Ceramic Engineering Co. (Steel Frame), Cleveland, O.
Peck, C. A. Hardware & Mfg. Co. (Automobile), Berlin, Wis.
Potts & Morris ("Hercules" Self-Loading), Land Title bldg, Philadelphia, Pa.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Putnam & Co., 244 Water, New York
Schalkenbach & Budke, Jersey City, N. J.
Sheffield Car Co., Three Rivers, Mich.
Schriver, O. P. & Co. ("I. X. L."), 208 Elm, Cincinnati, O.
Sidney Steel Scraper Co., Sidney, O.
Spicer Mfg. Co., New Philadelphia, O.
Standard Scale & Supply Co., 243 Water, Pittsburg, Pa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Towsley, John T. Mfg. Co., Evans, n. of Gest, Cincinnati, O.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Westbrooks Elevator Co., Danville, Va.
Whitehurst, R. W. Co., Norfolk, Va.
Whitman Agricultural Co., 6900 S B'way, St. Louis, Mo.
Zering, H. Mfg. Co., 218 Charles, Cincinnati, Ohio

Trucks (Stove)

Arcade Mfg. Co. ("Baltzy" Steel, "Standard" Adjustable & "Perfect" Steel), Freeport, Ill.
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Barnes Mfg. Co., Mansfield, Ohio
Boston & Lockport Block Co., Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, Ohio
Clark, George P. Co., Windsor Locks, Conn.
Fairbanks Co., 416 Broome, New York
Hill, C. V. & Co., Trenton, N. J.
Howes, S. M. Co., 40 Union, Boston, Mass.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Kramer Bros. Foundry Co., Dayton, Ohio.
Mersick, C. S. & Co., 286 State, New Haven, Conn.
Schriver, O. P. & Co. ("I. X. L."), 208 Elm, Cincinnati, O.
Tucker & Dorsey Mfg. Co. ("Daisy"), Indianapolis, Ind.
Whitehurst, R. W. Co., Norfolk, Va.

Trucks (Tote Box)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

*Trucks (Tramway)

KILGORE-PETELER CO., Minneapo-liss, Minn. (See adv. index, end of book)
WESTINGHOUSE MACHINE CO., Westinghouse bldg, Pittsburg, Pa. (See adv. index, end of book)

Trucks (Triangular)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
OSBORN MFG. CO., 5401 Hamilton av, N E, Cleveland, O. (See adv. index, end of book)

*Trucks (Triangular Steel)

HUNT METAL CORNER CO. (For Foundry Use), Westboro, Mass. (See adv. index, end of book)

Trucks (Varnish Kettle)

Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York; Works: Newburgh, N. Y.

Trucks (Wall Paper)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Zering, H. Mfg. Co., Cincinnati, O.

Trucks (Waste)

Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Trucks (Wire Mill)

ATLAS CAR & MFG. CO., 1289 Mar-quette rd, Cleveland, O. (See adv. index, end of book)
Bancroft & Co., 5th & Chestnut, Phila., Pa.
Bates Machine Co., Joliet, Ill.
Boston & Lockport Block Co., Boston, Mass.
Chase Foundry & Mfg. Co., Columbus, O.
Cleveland Car Co., West Park, O.
Fairbanks Co., Lafayette cor Broome, New York
Morgan Construction Co., Worcester, Mass.
Ohio Ceramic Engineering Co., Cleveland, O.

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Turner, Vaughn & Taylor Co., Cuyahoga Falls, Ohio
WRIGHT WIRE CO. (Iron Dry House), Worcester, Mass.
Youngstown Car Mfg. Co., Youngstown, O.

Trunk Mfrs.

ALABAMA.

BIRMINGHAM—Gilbert Trunk Factory

CALIFORNIA.

LOS ANGELES—Cunningham, J. C.
Herbert & Lindsey
Whitney, F. J.
Whitney, G. U.
SAN DIEGO—Phillips, G. A.
San Diego Trunk Co.
SAN FRANCISCO—Hirschfelder & Meaney
Malm, C. A. & Co., 1215 Sutter
Pacific Trunk & Bag Co.

COLORADO.

DENVER—Meek Trunk & Bag Co.
Schwayder Trunk Mfg. Co.
PUEBLO—Pueblo Trunk Co.

DELAWARE.

WILMINGTON—American Vulcanized Fibre Co.
Delaware Hard Fibre Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Langlotz, G. G. & Co.

FLORIDA.

JACKSONVILLE—Florida Trunk Mfg. Co.

GEORGIA.

ATLANTA—Hightower Box & Tank Co.
Pinnacle Trunk Mfg. Co.
AUGUSTA—Augusta Trunk Factory
Wilson-Rigsby Trunk Co.
SAVANNAH—Chatham Trunk Factory
Mayle, E.

ILLINOIS.

CHICAGO—American Trunk & Case Co., 155
Becker, P. & Co., 254 Monroe
Billburg & Co., 574 N Wells
Fitzgerald Trunk Co. (Sample, Sole Leather), 407 N Wells
Hartmann Trunk Co., 200 Jackson boul
Haskell Bros. (Sample), Wabash av cor Washington
Herron-Bentz Mfg. Co., 98 Market
Kretchmar, A. & Co., 154 5th av
Lynch Wall Trunk Co., 46 Jackson boul
McNamara, J. H. Trunk Co., 298 W Madison
Schulman Bros. Trunk Co., 298 W Madison
Secor, M. M. Trunk Co., 208 Van Buren
Stone Bros. & Co., 281 S Desplaines
Taylor, C. A. Trunk Works, 130 W Madison
Welck, Martin Mfg. Co., 1051 N 41st
Wilt, Chas. T., 180 Wabash av
DECATUR—Moore, J. R. & Co.
QUINCY—Gem City Trunk Mfg. Co.

INDIANA.

EVANSVILLE—Evansville Trunk Co.
KOKOMO—Kokomo Trunk Co.

IOWA.

DES MOINES—Des Moines Trunk Factory
DUBUQUE—Enzler, Jos. A.
SIOUX CITY—Anthony, D. S.

KANSAS.

ATCHINSON—Rose Trunk Co.
TOPEKA—Hossfeld, Geo. V.

KENTUCKY.

LOUISVILLE—Botts, P. J. & Co.
Duffey, Thos. & Co.
Laub Bros.

LOUISIANA.

NEW ORLEANS—Mack Trunk Co., Ltd.
New Orleans Trunk Co.

MAINE.

BANGOR—Parkhurst, J. F. & Son Co.
KENNEBUNK—Leatheroid Mfg. Co. (Sample)

MARYLAND.

BALTIMORE—Dunn, C. J. & Co., 27 W Baltimore
McGee, John, 108 N Howard
Richards Trunk Co.
Tuerke, Wm. A.
Weishert Trunk Co.

MASSACHUSETTS.

BOSTON—Cummings', Josiah Son & Co. (Rawhide, Vulcanized Fibre), 657 Atlantic av
Cutter & Cutter, 22 Chauncy
New England Trunk Co., 125 Summer
Winship, W. W., 71 Summer
SALEM—Maude, Wm. H.
SOMMERVILLE—Horton & Hubbard Mfg. Co.
WESTFIELD—Crame Brothers (Linenoid)

MICHIGAN.

DETROIT—Maier, Martin & Co., 102 Woodward av
Meier, Jacob F. Co., Milwaukee av & Grand Trunk Ry
Standard Trunk Co., 143 Jefferson av
Thelsen, M. J. Co., 982 Scotten av
Wedell & Boers, 123 Jefferson av
GRAND RAPIDS—Groskopf Brothers
SAGINAW—Lieberman Trunk Co.
WYANDOTTE—Beals & Selkirk Trunk Co. (Leather)

MINNESOTA.

MINNEAPOLIS—Barnum Trunk Co.
Flour City Trunk Co.
Lorenz, Wm. Trunk Co.
Northwestern Trunk Co.

MISSOURI.

JOPLIN—Sanders Trunk Mfg. & Merc. Co.
KANSAS CITY—Excelsior Trunk Co.
ST. JOSEPH—Herbold, A. E.
Heumader, C. & Son
ST. LOUIS—George, W. F. & Co.
Hamburger, Leo.
Horn, T. L. Trunk Co.
Hossfield Trunk Mfg. Co.
Murphy, P. C. Trunk Co., 504 N 3rd
Quirk, James A., 114 S 4th
Rosenfeld, Morris
St. Louis Basket & Box Co.
Story, F. E.
Stromberg, Kraus & Co., 620 Washington av
Wallis & Zimmerly

NEW JERSEY.

HARRISON—Headley & Farmer Co. (Sole, Leather & Toy)
NEWARK—Caille, P. Co. (Sole Leather)
Goldsmith, L. & Son (Wardrobe)
Peddie, T. B. & Co. Inc. (Sample, Sole Leather, Toy)
Steiger Trunk & Bag Co.

NEW YORK.

BUFFALO—Bingham Trunk Co.
Buffalo Trunk Mfg. Co., 127 Cherry
NEW YORK—Ajax Trunk & Sample Case Co., 91 Mercer
Beals & Selkirk Trunk Co., 558 B'way
Berner & Freedman, 34 Howard
Boyle, John & Co., 112 Duane
Co-Operative Trunk & Bag Co., 1 Beaver
Crouch & Fitzgerald, 177 B'way (Sample, Sole Leather)
Drucker, N. & Co., 558 B'way
Emergency Trunk & Bag Co., 25 E 14th
Empire Trunk Mfg. Co., 824 B'way
Fiberide Sample Trunk Co., 43 Mercer
Globe Trunk Co., 66 W 125th
Hahn & Amberg, 569 Broadway
Innovation Trunk Co., 313 W 15th
Leatheroid Mfg. Co., 532 Broadway
Lercher, A., 101 Bowery
Lissa, Hy. & Co., 595 B'way
Manhattan Trunk Box Factory, 505 E 18th
Manhattan Trunk Co., 206 Spring
Manhattan Trunk & Leather Goods Co., 2271 3rd av
New York Trunk Box Factory, 317 E 22nd
New York Trunk & Bag Co., 268 Bowery
Newark Trunk Co., 15 W 42nd
Peddie, T. B. & Co., 868 Broadway
Standard Trunk Mfg. Co., 599 B'way
Taylor, C. A. Trunk Works, Inc., 131 W
Union Trunk & Bag Co., 156 5th av 38th
Utility Trunk Co., 409 W 14th
Wolff, Chas. W., 72 Cortlandt
ROCHESTER—Likly, Henry & Co. (Wardrobe, Sample, etc.)
SYRACUSE—Syracuse Trunk Works
UTICA—Faber, H. C. & Son Co. (Combination)

OHIO.

CINCINNATI—American Trunk Co.
Drucker, N. & Co. (Sample)
McGuire, M. A. & Son
Mendel & Co., 113 W Pearl
CLEVELAND—Cleveland Trunk Co.
Englehart Trunk Co.
Feigenbaum Trunk Co.
Likly & Rocket Trunk Co.
COLUMBUS—Hughes, Jno. R. & Co., 40 E Stallman, F. A. (Dresser) High
DEFIANCE—Fabric Leather Co.
TOLEDO—Duguid, Jno. B., Prospect av & M
Wilmington & Co. C B R

OREGON.

PORTLAND—Multnomah Trunk & Bag Co.
Portland Trunk Mfg. Co. (Leather)

PENNSYLVANIA.

PHILADELPHIA—Belber Trunk & Bag Co., 1641 N Hancock
Copeland, Thos. W. & Co., 3904 Market
Deveney, J. B. & J., 411 Cherry
Leatheroid Mfg. Co., 922 Arch
Orenstein, Mayer, 1802 N 5th
Rangrow & Hall, Inc., 59 Laurel
Rhode Brothers, 1102 Passyunk av
Seafried Bros., 2311 Girard av
Seitz, J. H. & Sons, 414 Brown
Simons & Co. (Carpet)
PITTSBURG—Boyd, Boyd & Boyd Trunk Co.
Haines, Geo. S. Co.

RHODE ISLAND.

PROVIDENCE—Providence Trunk Co.

TENNESSEE.

CHATTANOOGA—McKenney, G. E. Trunk Co.
KNOXVILLE—Southern Trunk Co.
Whittle Trunk & Bag Co.
NASHVILLE—Hill Trunk Co.
Nashville Trunk & Mfg. Co.
White Trunk & Bag Co.

TEXAS.

AUSTIN—Austin Trunk Factory
DALLAS—Pollack, Henry Trunk Co.
Wilkins Trunk Mfg. Co.

UTAH.

SALT LAKE CITY—Gallacher, Jas. I.
Hulbere Bros.

VIRGINIA.

PETERSBURG—Petersburg Trunk & Bag Co., Inc.
Seward Trunk & Bag Co.
Virginia Trunk & Bag Co.
Watson, Bernard & Rogers
RICHMOND—Richmond Trunk Mfg. Co., Inc.
Rountree & Bro. Trunk & Bag Co.
Union Trunk & Bag Co.

WASHINGTON.

EVERETT—Everett Trunk Mfg. Co.

WISCONSIN.

EAU CLAIRE—Eau Claire Trunk Co.
MADISON—Curtis-Dexter Co.
MILWAUKEE—Abel & Bach Co. (Sole Leather)
Burroughs, Geo. & Sons
Meincke, A. & Son (Toy)
Romadka & Brothers Co.
Schoen & Walter Co.
OSHKOSH—Bauer Trunk & Bag Co.
Oshkosh Trunk Co.
RACINE—Racine Trunk Co.
Secor, M. M. Trunk Co. (Sample, Toy, Sole Leather)

Trunk & Bag Trimmings

(See also Hardware Manufacturers, Trunk & Bag)

Jenkinson, R. C. & Co., Newark, N. J.
KEIM, JNO. R. MILLS (Inc.), Buffalo, N. Y. (See adv. index, end of book)

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Kelton-Bruce Mfg. Co. (Leather Handles, Straps, Corners, Loops, etc.), Salem, Mass.
P. R. Mfg. Co., Detroit, Mich.

*"Trussit" Steel for Reinforcing Concrete

GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)

Tryers (Butter & Cheese)

Humason & Beckley Mfg. Co. (Cast Steel), New Britain, Conn.

Tryers (Ham)

American Cutlery Co., 198 Mather, Chicago, Ill.
Johnson, Wm. (Hedenberg W'ks), Newark, N. J.
Osborne, C. S. & Co. ("O. S. O. & Co."), Harrison, N. J.
Storts, Jno. & Son, 210 Vine, Phila., Pa.

*Tube Mill Linings

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Tubes (Arch & Stay)

National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.

Tubes (Asbestos)

(See Tubing, Asbestos Braided)

*Tubes (Bonding)

PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

Tubes (Carrier)

National Tube Co. (Gravity Carriers), Pittsburg, Pa.

Tubes (Collapsible)

Standard Specialty & Tube Co., New Brighton, Pa.

*Tubes (Fuse)

DELAWARE HARD FIBRE CO. (Hard Fibre for Enclosed Fuses), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)

Tubes (Grain Drill)

Akron Machine Co., Akron, O.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Goodrich, B. F. Co. (Rubber), Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Morgan Spring Co. (Wire), Worcester, Mass.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York

Tubes (Inner Automobile)

Continental Rubber Works, Erie, Pa.
Goodrich, B. F. Co., Akron, O.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
P. & H. Tire Co., 1659 B'way, New York

Tubes (Inner Bicycle)

Continental Rubber Works, Erie, Pa.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)

Tubes (Insulating)

(See Insulators; also Conduits)

Tubes (Mailing, Etc.)

American Paper Tube Co., Woonsocket, R. I.
Brown, Jas. Jr. (Paper & Worsted Tubes & Cones), Main st., Manayunk, Pa.
Chicago Paper Tube & Can Co. (Paper for Mailing, Electrical Purposes, etc.), 20 N May, Chicago, Ill.
Detroit Paper Tube & Can Co. (Mailing, Tin End Cans, etc.), Detroit, Mich.
SOLTMANN, E. G. (For Mailing, Drawing Prints, etc.; also everything for the Architect, Engineer & Draughting Room), 125 E 42d, New York. (See adv. index, end of book)
Thompson & Norris Co., Prince & Concord, Brooklyn, N. Y.
Union Paper Co. (Also Cans, Boxes, etc.), 844 Washington, New York
United States Mailing Tube Co., 844 Washington, New York
Ware, E. F., 108 Park row, New York
Wilson, Wyle T., 1151 N 3d, Phila., Pa.

*Tubes (Map)

WILSON, F. CORTEZ & CO., 239 Lake, Chicago, Ill. (See adv. index, end of book)

Tubes (Oil, Portable)

Ellison, Lewis M., 6288 Princeton av, Chicago, Ill.

Tubes (Porcelain)

Brunt, G. F. Porcelain Works (Glazed or Unglazed), East Liverpool, O.
Diamond Porcelain Co., Trenton, N. J.
Pass & Seymour, Solvay, N. Y.

Tubes (Weldless Steel)

Justice, Phillip & Co., 621 Chestnut, Phila., Pa.

Tubes (Wiring)

(See Insulators; also Conduits)

Tubing (Aluminum)

Aluminum Co. of America (Seamless), Pittsburg, Pa.
Ivins, Elwood Tube Works (Seamless), Oak Lane, Philadelphia, Pa., & 487 B'way, New York
Summervill Tubing Co. (Seamless, Cold Drawn) 114 S 2nd, Phila., Pa.

Tubing (Asbestos Braided)

Asbestos Fibre Spinning Co., North Wales, Pa.
Johns, H. W.-Manville Co., 100 William, New York
Keasby & Mattison Co., Ambler, Pa.
Oil City Asbestos Co., Oil City, Pa.
WATSON, H. F. CO., Erie, Pa. (See adv. index & branch offices, end of book)

Tubing (Bedstead)

Elyria Iron & Steel Co. (High Carbon Steel), Elyria, O.
National Tube Co. (Iron, "Shelby" Seamless Steel, Round, Square, Rectangular, etc.), Pittsburg, Pa.
New Jersey Tube Co., Harrison, N. J.
Ohio Seamless Tube Co. (Seamless Steel), Shelby, O.
Phenix Tube Co. (Inc.) (Brass & Bronze Iron Lined), 182 N 11th, Brooklyn, N. Y.
Standard Welding Co. (Seamless Steel), Central av & 70th, Cleveland, O.

Tubing (Bicycle)

American Tube & Stamping Co., Bridgeport, Conn.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Leng's, Jno. S. Son & Co. (Jobbers & Importers), 33 Murray, New York
National Tube Co. ("Shelby" Seamless Steel), Pittsburg, Pa.
Standard Steel Tube Co. (Brazed, etc.), Toledo, O.

Tubing (Brass Lined)

American Tube & Stamping Co. (Clincher), Bridgeport, Conn.

Tubing (Brass & Copper)

American Tube Works, 95 Broad, Boston, Mass.
Ansonia Brass & Copper Co., Ansonia, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co. (Pressed Drawn), Bridgeport, Conn.
Bristol Brass Co. (Brass Brazed Only), Bristol, Conn.
Chicago Brass Co. (Brazed Brass), Kenosha, Wis.
Coe Brass Mfg. Co., Torrington, Conn.
Cornalius, Gustav (Small), Waterbury, Conn.
CORNELL & UNDERHILL, (Jobbers), 47 Beach, New York. (See adv. index, end of book)
Croton Mfg. Co. (Brass), Croton on Hudson, N. Y.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
French Mfg. Co. (Seamless, Small Sizes Only), Waterbury, Conn.
HUNGERFORD, U. T. BRASS & COPper Co. (Seamless), 497 Pearl, New York
Ivins, Elwood Tube Works (Seamless), Oak Lane Station, Phila., Pa., & 487 B'way, New York
McMANN & TAYLOR (Jobbers), 104 John, New York. (See adv. index, end of book)
Manhattan Brass Co., 338 E 28th, New York
MERCHANT & EVANS CO. (Inc.) (Jobbers), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
New Jersey Tube Co. (Bent Brass, etc.), Harrison, N. J.
Randolph-Clowes Co., Waterbury, Conn.
Rome Brass & Copper Co. (Seamless or Brazed, also Bronze), Rome, N. Y.
Scovill Mfg. Co. (Brass Only), Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Summerill Tubing Co. (Seamless Cold Drawn), 114 S 2nd, Phila., Pa.

UNITED WIRE AND SUPPLY COMPANY,

109-119 Summer Street, PROVIDENCE, R. I.

Manufacturers of

Seamless and Brazed Brass and Copper Tubing,

TAPERED TUBING. GOLD AND SILVER WIRE AND TUBING. GOLD AND SILVER PLATED SEAMLESS WIRE AND TUBING. GOLD AND SILVER ANODES FOR ELECTRO-PLATING. GOLD AND SILVER SOLDERS IN WIRE AND SHEET.

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UNITED WIRE & SUPPLY CO. (Seamless, also Brazed Brass & Copper Tubing),, 109 Summer, Providence, R. I. (See adv. index, end of book)
Waterbury Brass Co., Waterbury, Conn.
Waterbury Mfg. Co. (Brass Brazed Only), Waterbury, Conn.
Wells, A. H. & Co., Waterbury, Conn.

Tubing (Brazed Steel)

Standard Steel Tube Co., Toledo, O.

Tubing (Bronze)

Ansonia Brass & Copper Co., Ansonia, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
French Mfg. Co. (Seamless, Small Sizes Only), Waterbury, Conn.
Manhattan Brass Co., 334 E 28th, New York
MERCHANT & EVANS CO. (Inc.) (Brazed), 517 Arch, Phila., Pa. (See adv. index and branch offices, end of book)
Randolph-Clowes Co., Waterbury, Conn.
Rome Tube Co., Rome, N. Y.
Summerill Tubing Co. (Seamless, Cold Drawn), 114 S 2nd, Phila., Pa.

Tubing (Celluloid)

(See Celluloid, Fibreloid & Pyrolin Manufacturers)

Tubing (Cold Drawn Seamless Steel)

Detroit Seamless Steel Tubes Co., Detroit, Mich.
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
National Tube Co. ("Shelby"), Pittsburg, Pa.
Ohio Seamless Tube Co., Shelby, O.
Seamless Tube Co. of Amer. (1¼ to 6 in.), Pittsburg, Pa.

Tubing (Condenser)

Benedict & Burnham Mfg. Co. ("Benedict" Nickel, Brass & Copper), Waterbury, Conn
HUNGERFORD, U. T. BRASS & COPPER Co. (Brass, Plain & Tinned), 497 Pearl, New York

Tubing (Conduit)

(See Conduits)

Tubing (Cotton)

Blakesley Novelty Co. (Cotton Knit), Bristol Conn.
Buffalo Weaving & Belting Co. (For Carrying Electric Wires Under Heat), Buffalo, N. Y.
Empire Mfg. Co., Lockport, Conn.
Niedner, Chas. H. (Electric), Malden, Mass.

Tubing (Flexible Fabric)

American Tubing & Webbing Co., Providence, R. I.
Atlantic Tubing Co. (Gas Pipe Tubing), Providence, R. I.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
New York Belting & Packing Co., 91 Chambers, New York
New York Gas Tubing Co., 97 Bank, New York
Voorhees Rubber Mfg. Co., Jersey City, N. J.

Tubing (Flexible Metallic)

Almond, T. R. Mfg. Co. ("Almond," for Electric Light Brackets, Portables, etc), Ashburnham, Mass.
American Metal Hose Co., 173 Lafayette, New York
Automobile Supply Mfg. Co. (Brass & Copper, Light Pressure for Auto Horns, etc.), 139 Emerson pl, Brooklyn, N. Y.
Flower, Walter L. Steam Specialty Co., St. Louis, Mo.
Kaufman, A. G. Mfg. Co., 133 Reade, New York
Manhattan Screw & Stamping W'ks, West End av & 67th, New York
Metallic Flexible Tubing Co. (Interwoven), 254 S 2d, Phila., Pa.
Penna Flexible Metallic Tubing Co. (Copper or Steel High Pressure, etc.), 1305 Arch, Phila., Pa.
Sprague Electric Co., 547 W 34th, New York.
Tripari Bros. (For Automobile Horns), 372 Broome, New York
U. S. Flexible Metallic Tubing Co., Los Angeles, Cal.

Tubing (German Silver)

Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Bamford & Smith, Providence, R. I.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
French Mfg. Co. (Seamless, Small Sizes Only), Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Summerill Tubing Co. (Seamless, Cold Drawn), 114 S 2nd, Phila., Pa.
UNITED WIRE & SUPPLY CO. (Seamless), 109 Summer, Providence, R. I. (See adv. index, end of book)
Waterbury Brass Co., Waterbury, Conn.

Tubing (Glass)

Bache, Semon & Co., West & Hubert, New York
Corning Glass Works (Electrical, Clinical, Thermometer, etc.), Corning, N. Y.
Durand, Victor, Jr., Vineland, N. J.
Fostoria Glass Specialty Co., Fostoria, O.
Libbey Glass Co., Toledo, O.
Lippincott Glass Co., Alexandria, Ind.
MISSISSIPPI GLASS CO., 115 B'way, New York. (See adv. index & branch offices, end of book)
Pairpoint Corp'n (For Electrical Use), New Bedford, Mass.
Penn Glass Tube Co., Bradford, Pa.
Vineland Glass Tube Co., Vineland, N. J.
Wagner Glass Works, 965 E 132d, New York

*Tubing (Gold)

UNITED WIRE & SUPPLY CO., 109 Summer, Providence, R. I. (See adv. index, end of book

*Tubing (Gold & Silver Plated)

UNITED WIRE & SUPPLY CO. (Seamless), 109 Summer, Providence, R. I. (See adv. index, end of book)

Tubing (Hard Fibre)

AMERICAN VULCANIZED FIBRE Co. (Vulcanized), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Empire Mfg. Co., Wilmington, Del.
Laminar Fibre Co., North Cambridge, Mass.
Millville Crystal Glass Co., Wilmington, Del.
MORRIS ELECTRIC CO. (Vulcanized), Wilmington, Del. (See adv. index, end of book)
Spaulding, J. & Sons Co., North Rochester, N.H.

Tubing (Hard Rubber)

American Hard Rubber Co., 111 Mercer, See
Continental Rubber Works, Erie, Pa. In
DIAMOND RUBBER CO., Akron, (See adv. index & branch offices, end of
Morgan & Wright, Inc., Detroit, Mich.
Morris Electric Co., Wilmington, Del.
Vulcanized Rubber Co., 488 B'way, New Yo
Wilkie Rubber Mfg. Co., Saugus, Mass.
WILMINGTON FIBRE SPECIALTY Co. (Vulcanized), Wilmington, Del. (See adv. index, end of

Tubing (Iron Lined)

Ansonia Brass & Copper Co., Ansonia, Conn
Coe Brass Mfg. Co., Torrington, Conn.
Manhattan Brass Co., 334 E 28th, New Yor
Phoenix Tube Co. (Inc.) (Brazed, Lock Joint Close Joint & Bent, Brass & Bronze), 18 N 11th, Brooklyn, N. Y

Tubing (Nickel, Brass & Copper)

Benedict & Burnham Mfg. Co., Waterbury, Conn.

*Tubing (Nickel Silver)

UNITED WIRE & SUPPLY CO. (Seamless), 109 Summer, Providence, R. I. (See adv. index, end of book)

Tubing (Organ)

Chadwick-Boston Lead Co. (Composition), Boston, Mass

Tubing (Paper)

(See Tubes, Mailing, Etc.)

Tubing (Platinum)

AMERICAN PLATINUM WORKS, Chestnut st & N. J. R. R. av, Newark, N. J. (See adv. index, end of book)
Baker & Co., Newark, N. J.
CROSELMIRE & ACKOR CO., 42 Walnut, Newark, N. J. (See adv. index, end of book)
Ivins, Elwood Tube Works, Oak Lane, Phila. Pa., & 487 B'way, New York

Tubing (Porcelain)

Pittsburg High Voltage Insulator Co., Derry, Pa

Tubing (Rubber)

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BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, N. Y. (See adv. index & branch offices, end of book)
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Canfield, H. O. Co., Bridgeport, Conn.
Consolidated Rubber Co., Trenton, N. J. & Broad st Bk bldg, New York
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Crescent Belting & Packing Co. (Corrugated & Plain), Trenton, N. J.
Davol Rubber Co., 69 Point, Providence, R. I.
DIAMOND RUBBER CO., Akron, Ohio (See adv. index, end of book)
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Faultless Rubber Co., Ashland, O.
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Tubing (Rubber, Cloth Insertion)

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Goodrich, B. F. Co., Akron, O.

*Tubing (Seamless Specialties)

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Tubing (Seamless Steel)

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Detroit Seamless Steel Tubes Co. (Cold Drawn) Detroit, Mich
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
Ivins, Elwood Tube Works (Tool & Low Carbon Steel), Oak Lane, Phila., Pa., & 487 B'way, New York
Justice, Philip S. & Co. (Weldless Imported), 421 Chestnut, Phila., Pa.
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Pittsburg Seamless Tube Co., Beaver Falls, Pa.
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Summerill Tubing Co. (Cold Drawn, Round & Square), 114 S 2nd, Phila., Pa.

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National Tube Co. ("Shelby" Seamless for all Purposes), Pittsburg, Pa
New Jersey Tube Co., Harrison, N. J.
Ohio Seamless Tube Co. (Seamless), Shelby, O.
Pittsburg Seamless Tube Co., Beaver Falls, Pa.
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*Tubing & Nipples (Gas Lamp)

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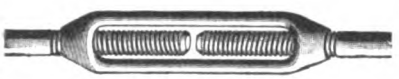
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Link Belt Co. (Ball Bearing), W 39th & Stewart av, Chicago, Ill., & 299 B'way, New York
Lobdell Car Wheel Co., Wilmington, Del.
MARYLAND EQUIPMENT & SUPPLY Co. (New & Second Hand), Calvert & Fayette, Baltimore, Md. (See adv. index, end of book)
MINNEAPOLIS STEEL & MACHIN-ery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich. (See adv. index & branch offices, end of book)
Ohio Ceramic Engineering Co., Cleveland, O.
Power & Mining Machinery Co. (For Mines, etc.), Cudahy, Wis.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Stuebner, G. L. Iron Works, Long Island City, N. Y.
Turl's, John Sons (Inc.) (Ball Bearing), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Virginia Bridge & Iron Co., Roanoke, Va.
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
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475 Fulton bldg, New York. (See adv. index & branch offices, end of book)
Wonham-Magor & Sanger, 30 Church, New York

*Turntables (Locomotive, Air, Electric & Hand Power)

WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Turntables (Overhead)

Atlas Bolt & Screw Co., Cleveland, O.
FREVERT MACHINERY CO., 18 Dey, New York. (See adv. index, end of book)
Harrington, Edw. Son & Co., 17th & Callowhill, Phila., Pa.
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)
Obenberger, Jno. Co., Milwaukee, Wis.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
Yale & Towne Mfg. Co., 9 Murray, New York

Turntables (Pressed Steel)

Broomell, Schmidt & Steacey Co., York, Pa.

Turntables (Show Cases)

Pearce, Fred'k Co., 20 Rose, New York

Turntables (Standard Gauge)

(See also Turntables for Industrial Railways; also Tables, Transfer; also Tables, Transfer, Electric)

American Bridge Co., 30 Church, New York, & Pittsburg, Pa.
Boston Bridge Works (Railroad Turntables, etc.), 47 Winter, Boston, Mass.
Buda Foundry & Mfg. Co. (Turn Tables Only), Harvey, Ill., & Railway Exchange bldg., Chicago, Ill.
CAREY, GEO. H., 1 B'way, New York. (See adv. index, end of book)
Chicago Bridge & Iron Co., 105th & Throop, Chicago, Ill.
Clinton Bridge Co., Clinton, Iowa
Columbia Bridge Co., Pittsburg, Pa.
Fulton Foundry Co. (Turn Tables Only), Marquette & L. S. & M. S. R'y, Cleveland, O.
King Bridge Co., Cleveland, Ohio.
McClintic-Marshall Construction Co., Pittsburg, Pa.; Rankin, Pa., & Pottstown, Pa.
Mount Vernon Bridge Co., Mount Vernon, O.

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Missouri Valley Bridge & Iron Works (A. J. Thullock, Prop.), Leavenworth, Kan.
N. Y. Switch & Crossing Co., Hoboken, N. J.
Nichols, Geo. P. & Bro. (Electric, etc.), Old Colony bldg, Chicago, Ill.
Penna. Bridge Co., Beaver Falls, Pa.
Penna. Steel Co., Girard bldg, Phila., Pa.
Republic Iron & Steel Co., Pittsburg, Pa.
Sellers, Wm. & Co. (Inc.) (Locomotive), 1600 Hamilton, Phila., Pa.
STROBEL STEEL CONSTRUCTION Co., Monadnock blk., Chicago, Ill.
Toledo-Massillon Bridge Co., Toledo, O.
Virginia Bridge & Iron Co., Roanoke, Va.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER COMPANY
(Transfer, etc.), 475 Fulton bldg, New York. (See adv. index & branch offices, end of book)
Wisconsin Bridge & Iron Co., Milwaukee, Wis.

Turpalin & Turpentine

Turpentine Co. (For Paint & Varnish Thinner, etc.), Phila., Pa.

Turpentine

ALABAMA.

COFFE SPRINGS—Brigman, Sellers & Co.
FLORALA—Elliott, Henry
Elliott, Henry
McLean & Son

CALIFORNIA.

SAN FRANCISCO—Noble Electric Steel Co., San Francisco, Cal.

FLORIDA.

ABBOTT—Greer, J. L.
BELLEVIEW—McGehee & Mayo
BOHEMIA—Pensacola Tar & Turpentine Co.
CARTERS—Carter Mfg. Co. (Wood)
CENTER PARK—Moore, R. O. & Co.
DUNNELLON—Jenkins, Willis & Co.
DUVAL—Duval Turpentine Co.
JACKSONVILLE—Hillman-Sutherland Co.
MONTBROOK—Flynn, D. M. & Co.
MONTICELLO — Simon, McClellan Turpentine
OTTER CREEK—Elvington, J. O. & Co. Co.
PANASOFFKEE—Harrison-McLeod Co.
PERRY—Blair & Hinely
Holmes, Jas. & Son
RAIFORD—Peacock & Little
ROCKBLUFF—Rockbluff Co.
STARKE—Powell-Smith Co.
TALLAHASSE—Lutterloh, R. B.
TAMPA—Peninsular Naval Stores Co.
WEBSTER—Getzen, J. C.
WOODVILLE—Williamson & Co.
YORK—Horne, Louis & Co.

GEORGIA.

AILEY—Riddle, J. A.
ALBANY—Cook, I. & Co.
ALTAMAHA—Tippins & Widincamp
ARLINGTON—Callahan & Newberry
AUTRYVILLE—Autry, D. A.
BAINBRIDGE—Autrey & Horn
BINGHAM—Dorminey, Kirkland & Co.
BLADEN—Ward, J. A.
EDEN—Fetzer, G. W.
EGYPT—Foy Lumber Co.
FALES—Tanner, B. H.
FARGO—Baxter, Geo. S. & Co.
Georgia Pine Turpentine Co.
HAGAN—Smith, S. A. & Co.
HARTSFIELD—Spivey, Bell & Co.
HOMERVILLE—Pragler, H. J. & Son
IRWINVILLE—Barber, A. T. & Co.
LEARY—Williams, B. B.
LEXSY—Youmans Bros.
LONG POND—McArthur, J. H.
McDONALD—Benett, D. H.
McRAE—Holland & Rawls
MEIGS—Carter, J. N.
MOULTRIE—Holmes-Hatsfield, S. A. & Co.
Moultrie Turpentine Co.
Spivey & Moore
NASHVILLE—Brown, E. G.
NIELLY—Smith, T. J.
OLYMPIA—West Yellow Pine Co.
PFEIFFER—Pfeiffer, C. B. (Est. of)
REYNOLDS—Barber & Rawl
ROCKY FORD—Finch, D. C. & Bro. (Saw Mill)
SAVANNAH—Atlantic Turpentine Co. (Prime Steam Refined)
SHEPHERD—Lott, Smith & Co.
STATESBORO—McDougald, J. A. & Co.
Williams, Outland & Co.
THOMASVILLE—Floyd, Howell & Co.
VIENNA—Kelly, R. E.
WHITE OAK—McKinnon, L. T. & G. S.
WILLACOOCHEE—O'Berry, J. E. Sons & Co.
WILLINGHAM—Alford, C. A.

ILLINOIS.

CHICAGO—Adams, Fred. C. (Mfrs' Agt.), 36 La Salle

LOUISIANA.

COVINGTON—Jone & Pickett

MARYLAND.

BALTIMORE—Webb, A. L. & Sons

NEW YORK.

NEW YORK—Baxter, Geo. S. & Co., 15 William
Georgia Pine Turpentine Co. (of New York).
Gardiner & Percy Co., 50 Pine 158 Perry
Southern Commercial Turpentine Co., 91 Wall

NORTH CAROLINA.

ANGIER—Williams, J. C. & B. F.
CLINTON—McPhail, J. R.
MANLEY—Buchan, J. E.
NEWBERN—Ellis, Mrs. E. B.

PENNSYLVANIA.

GLENSHAW—Brazilian Turpentine Co.
PITTSBURG—Ball Chemical Co. (Norway)

SOUTH CAROLINA.

GEORGETOWN—Georgetown Chemical Works

Turpentine Substitute

Walker Chemical Works, Harrison, N. J.

Turpentine (Terrene)

Bull's Head Oil Works ("Bull's Head"), San Francisco, Cal.

Turret Attachments

Bradford Machine Tool Co., 671 Evans, Cincinnati, O.

Tuyeres & Coolers

Ajax Metal Co., 46 Richmond, Phila., Pa.
Best Mfg. Co. (Bronze), Pittsburg, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Falcon Bronze Co., Youngstown, O.
Hartman Co., 1231 N. Front, Phila., Pa.
Keystone Bronze Co., 38th & A V Ry, Pittsburg, Pa.
LAWRENCEVILLE BRONZE CO. (Also Notches), 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)
MacKenzie's, Duncan & Son, Trenton, N. J.
United Engineering & Fdry. Co., Pittsburg, Pa.

Tweezers (Piano Makers')

Kraeuter & Co., Newark, N. J.

Twine (Binder)

American Grass Twine Co., St. Paul, Minn.
American Mfg. Co. (Sisal & Manila & Jute), 63 Wall, New York
Bailey, Christoper, 810 S Swanson, Phila., Pa.
Bailey, John T. & Co. (Sisal & Manila), c Water & Morris, Phila., Pa.
Bay State Cordage Co. (Manila & Sisal), Boston, Mass.
Chelsea Cordage Co., Chelsea, Mass.
Fitler, Edwin H. Co., 23 N Delaware av, Phila. Pa.
Galveston Rope Co. (Sisal), Galveston, Tex.
Groendyke, J. O. Co., 140 Dearborn, Chicago, Ill.
Hooven & Allison Co. ("Star-A. H."), Xenia, Ohio
International Flax Twine Co. (Flax, Sisal & Manilla), 7 Monroe, Chicago, Ill.
Jackson, Thos. & Son (Manila & Sisal), Reading, Pa.
Kelly, R. A. Co., Xenia, O.
Kentucky River Mills (Hemp & Flax), Frankfort, Ky.
Lawrence Cordage W'ks, 46 South, New York
Ludlow Mfg. Associates (Manila & Sisal), Boston, Mass.
Miamisburg Twine & Cordage Co. (Manila & Sisal), Miamisburg, O.
New Bedford Cordage Co. (Jute), New Bedford, Mass.
Penn Cordage Co., 44 B'way, New York
Peoria Cordage Co. (Sisal & Manila), Peoria
Plymouth Cordage Co., Plymouth, Mass.
Portland Cordage Co. (Flat), Portland, O.
Rink's, J. Sons, Easton, Pa.
St. Louis Cordage Co. (Jute), St. Louis, Mo.
Standard Cordage Co. ("Crown" & "Sewell & Day" Brands), 45 South, New York
State Penitentiary, Bismarck, N. Dak.
Traverse Bros. (Sisal & Manila), 41 Worth, New York
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)
Union Selling Co., 17 State, New York
Waterbury Co. (Inc.) (Sisal & Manila), 68 South, New York
Witlock Cordage Co., 46 South, New York

Twine (Cotton)

(See Cordage & Twine Manufacturers)

*Twine (Flax)

TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)

Twine (Hemp)

Ludlow Mfg. Associates, Boston, Mass.
TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)

*Twine (Sail)

TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)

Twine (Seine)

American Net & Twine Co., 575 Atlantic av., Boston, Mass.
Bibb Mfg. Co., Macon, Ga.
Brownell & Co., Moodus, Conn.
Fowler Net & Twine Co., 107 S. Second st., Philadelphia, Pa.
Gloucester Net & Twine Co., Gloucester, Mass.
Greene & Daniels Mfg. Co., Pawtucket, R. I.
Lees Mfg. Co., Westport, Conn.
Manchester Mfg. Co., Macon, Ga.
Neptune Twine & Cord Mills, Moodus, Conn.
New York Net & Twine Co., Moodus, Conn.
Purnle, A. E., Moodus, Conn.
TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)

Twine (Tarred Hoop)

American Mfg. Co., 63 Wall, New York

*Twine (Wrapping)

TUCKER & CARTER ROPE CO., 76 South, & 167 Maiden La, New York. (See adv. index, end of book)

Type (Rubber)

Crescent Seal & Stamp Co., Cambridge, O.
Hanson, C. H., 44 Clark, Chicago, Ill.
Matthews, Jas. H. & Co. (Solid), 306 Wood, Pittsburg, Pa.
Smith, R. H. Mfg. Co. (Metal Body), 293 Main, Springfield, Mass.
Superior Rubber Type Co., 200 5th av, Chicago, Ill.

Type (Wood)

Empire Wood Type Co., 818 E 5th, New York
Hamilton Mfg. Co., Two Rivers, Wis.
New England Wood Type Co., Brookline, N. H.
Tubbs Mfg. Co. ("Tubbs" Point Line & Printers Wood Furniture), Ludington, Mich.

Typewriter Carbon Papers

(See Paper, Carbon)

*Typewriter Ribbon Cutting Machines

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y. (See adv. index, end of book)

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Typewriter Ribbons

Allen, John & Co., 480 Pearl, New York
American Multigraph Sales Co., Cleveland, O.
American Ribbon & Carbon Co. ("Eagle"), Rochester, N. Y.
Ault & Wiborg Co., Cincinnati, O.
Bayer, Frank ("Markwell"), 22 N William, N.Y.
Black Diamond Ribbon & Carbon Co. ("Black Diamond"), Rochester, N. Y.
Buckeye Ribbon & Carbon Co., Cleveland, O.
Carter's Ink Co. ("Ideal"), Boston, Mass.
Columbia Ribbon & Carbon Co. ("Columbia"), 111 W B'way, New York
Corona Supply Co. ("Corona"), Rochester, N. Y.
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe"), Rochester, N. Y.
De-Fi Mfg. Co. ("De-Fi Polychrome"), 150 Nassau, New York
Dodge Co. ("Du-Ra-Bul"), Syracuse, N. Y.
Downes & Co. ("So Klean"), 104 Nassau, New York
Foyer, Chas. A. & Co. ("Foyer"), 1120 Prospect av, Cleveland, O.
Heale, J. A. & Co. ("H.-B."), 96 John, New York
Indeliba Mfg. Co. (Inc.), Rochester, N. Y.
International Carbon Paper Co. ("I. C. P. Co."), 241 Centre, New York
Kee Lox Mfg. Co. ("Kee Lox"), Rochester, N. Y.
Keystone Carbon Paper Co. ("Keystone"), Franklin, Pa.
Kruse Printing Ink Co., 91-93 Cliff, New York
Little, A. P., Rochester, N. Y.
Miller-Bryant-Pierce Co. ("Carnation"), Aurora, Ill.
Mittag & Volger (Inc.), ("Eureka"), Park Ridge, N. J.
Newark Ribbon & Carbon Mfg. Co., Newark, N. J.
Pen-Carbon Manifold Co. ("Cotton King," Mercerized Silk), New Brunswick, N. J.
Republic Carbon & Ribbon Mfg. Co. ("Republic"), 46 W B'way, New York
Rothschild, M. M., 96 5th av, Chicago, Ill.
Snelling & Son, Brooklyn, N. Y.
Stambaugh, Wm. B., Metropolitan Life Bldg., New York
Union Ribbon & Carbon Co. ("Apex," "Summit," "Cyclo"), 9th & Thompson, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 8th & Sansom, Phila., Pa.
Webster, F. S. Co., Boston, Mass.

Typewriter Stands

Tatum, Samuel C. Co., Cincinnati, O.

Typewriters

Acme-Keystone Mfg. Co., Beaver Falls, Pa.
American Writing Machine Co., 343 B'way, New York
Beach-Kauffman Mfg. Co. ("Kauffman" Visible), 61 W Fort, Detroit, Mich. Works, Newark, N. J.
Blickensderfer Mfg. Co., Stamford, Conn.
Chicago Writing Machine Co., 35 Randolph, Chicago, Ill.
Columbia Typewriter Mfg. Co., 62 Beade, New York
Elliott-Fisher Co., 329 B'way, New York
Elliott & Hatch Book Typewriter Co., 329 B'way, New York
Emerson Typewriter Co. ("Emerson"), Marquette bldg, Chicago, Ill.
Fay-Scholes Co., Chicago, Ill.
Fox Machine Co., Grand Rapids, Mich.
Hammond Typewriter Co. ("Hammond" Visible), 69th & East River, New York
Ithaca Gun Co., Ithaca, N. Y.
Monarch Typewriter Co. ("Monarch" Visible), Syracuse, N. Y.
OLIVER TYPEWRITER CO., 310 B'way, New York. (See adv. index, end of book)
Pittsburg Writing Machine Co.; Works, Kittanning, Pa.
Postal Typewriter Co., South Norwalk, Conn.
R. & G. Typewriter Co., 229 B'way, New York
Rebuilt Typewriter Co. (All Kinds Rebuilt), 87 Dearborn, Chicago, Ill.
Remington Typewriter Co., 327 B'way, New York
Royal Typewriter Co. ("Royal"), 364 B'way, New York
Secor Typewriter Co. ("Secor" Visible), Derby, Conn
Simplex Typewriter Co., 644 1st av, New York
Smith, L. C. & Bros. Typewriter Co., Syracuse, N. Y.
Smith Premier Typewriter Co., Syracuse, N. Y.
Stearns, E. C. & Co. ("Stearns," Visible), Syracuse, N. Y.
Sun Typewriter Co., 317 B'way, New York
Triumph Visible Typewriter Co., 18 Park row, New York
Underwood Typewriter Co., Hartford, Conn.
Victor Typewriter Co. ("Victor," writes two colors, one at a time), 812 Greenwich, New York
Williams Typewriter Co., Derby, Conn.
Yost Writing Machine Co., 343 B'way, New York

Typewriters (Adding & Billing)

Adding Typewriter Co., Poplar Bluff, Mo.
Arithmograph Co. (Adding), 296 B'way, New York
Dudley Adding & Billing Machine Co., 605 Calvert Bldg., Baltimore, Md.
Elliott-Fisher Typewriter Co., 329 B'way, New York
Felt & Tarrant Mfg. Co. (Comptometer), 856 N Paulina, Chicago, Ill.
Moon-Hopkins Billing Machine Co., 19th & Pine, St. Louis, Mo.

Typewriters (Multiple)

American Multigraph Sales Co. ("Grammeter Multigraph" for printing office forms, facsimile letters, etc.), Case av & Kelly, Cleveland, O.

*Typewriting Specifications Reproduced in Inkograf Fac-Similes

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Newark Rivet Works, Newark, N. J.

Umbrellas (Wagon, Truck & Advertising)

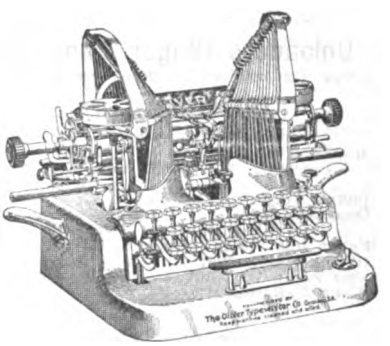
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Underframes (Steel Car)

Bettendorf Axle Co., Davenport, Ia.
Cambria Steel Co., Arcade bldg, Phila., Pa.
Pressed Steel Car Co., Pittsburg, Pa.
RALSTON STEEL CAR CO., (For all kinds of Freight & Passenger Cars), Columbus, O. (See adv. index & branch offices, end of book)
Standard Steel Car Co., Pittsburg, Pa.
Western Steel Car & Foundry Co., Old Colony bldg, Chicago, Ill.

Uniforms (Employees')

Lilley, M. C. & Co., Columbus, O.
Newcomb, F. H., 136 Flatbush av, Brooklyn,
Olhm & Co., Baltimore, Md. N. Y.
Orr, C. F. & Co., 164 Dearborn, Chicago, Ill.
Pettibone Bros. Mfg. Co., Cincinnati, O.
Royalton Woolen Co., 70 Worth, New York
Shapiro, Wm., 587 5th av, Brooklyn, N. Y.
Singer, A. L. & Co., 178 Adams, Chicago, Ill.
Wendell, Fay & Co., 82 Worth, New York

Unions

American Steam Trap Co., Albany, N. Y.
Bard Union Co. (Inc.) ("Bard"), Norwich, Conn.
Belfield, H. & Co. (Flanger Malleable Iron), 453 N Broad, Phila., Pa.
Best Mfg. Co. ("Universal"), 25th & A. V. Ry., Pittsburg, Pa.
Bridgman Bros. Co. (Brass Ground Joint), 1422 Washington, Phila., Pa.
Buckeye Iron & Brass Wks., Dayton, O.
Clum & Atkinson (Brass, also Ground Joint Soldering), Rochester, N. Y.
Crane Valve Co. (Brass), Bridgeport, Conn.
Crawford & Tyler, North Dana, Mass.
Darling Pump & Mfg. Co., Williamsport, Pa.
Dart, E. M. Mfg. Co. ("Peerless"), Providence, R. I.
Devlin, Thos. & Co. ("National"), Phila., Pa.
Eastwood Wire Mfg. Co. (Bronze, End Flanged, etc.), Belleville, N. J.
Eureka Brass Works, Cincinnati, O.
Featherstone Foundry & Machine Co. (Drop Forged Flange), 348 N Halstead, Chicago, Ill.
Flagg, Stanley G. & Co. ("Keystone," Soft Metal Seat), 424 N 19th, Phila., Pa.
General Fire Extinguisher Co. (Flanged Cast Iron, etc.), Providence, R. I.
Grabler Mfg. Co. (Malleable Iron), Cleveland, Ohio
Hamlin & Emery Brass Co. (Brass), 26 Island, Boston, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Jefferson Union Co. (For High & Low Pressure), Lexington, Mass.
Lembert, Geo. B. & Co., Chicago, Ill.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., 315 N 20th, Phila., Pa.
McCarthy, Felix, Pottstown, Pa.
Monash-Younker Co. ("Star"), 203 S Canal, Chicago, Ill.
Mullaney's, Jas. Son, 25th cor Lex av, New York
National Tube Co. ("Kewanee" Octagon, Hexagon, Round, "M. & F." Extra Heavy, Hydraulic, Air Pump, Air Drill, Hose, Eccentric & Flange, all Brass), Pittsburg, Pa.
Newbury Mfg. Co. (Grey Iron), Monroe, N. Y.
Nichol, Thos. J. & Co. (Brass), Pearl & Ludlow, Cincinnati, O.
Nolte Brass Co. (Brass & Soldering), Springfield, O.
Ohio Brass Co. ("Ohio" Bronze), Mansfield, O.
Pancoast, Henry B. & Co. ("American"), 243 S 3d, Philadelphia, Pa.
Pittsburg Brass Mfg. Co. (Brass, Extra Heavy), Penn av & 32d, Pittsburg, Pa.
Pleuger & Henger Mfg. Co., 11th & Hebert, St. Louis, Mo.
Powell, Wm. Co. (Brass), Cincinnati, O.
Queen City Brass & Iron Works (Brass, Soldering, etc.), Cincinnati, O.
Tight Joint Co. ("Tight-Joint" Flanged, for High Pressure), 306 E 47th, New York
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.
Williams, Franklin ("Tuxedo," Bronze for High Pressure), 39 Cortlandt, New York

*Unions (Brass, Brazing & Flange)

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Unions (Flanged)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Dame & Townsend Co. ("Dame & Townsend Co.'s"), Cliff & Fulton, New York
National Tube Co. ("Kewanee," Cast & Malleable), Pittsburg, Pa.
Ohio Brass Co., Mansfield, O.

*Unions (Furnace)

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

*Unions (Universal)

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

Unions & Nipples (Soldering)

Blatchford, E. W. Co., 70 N Clinton, Chicago,
Buckeye Iron & Brass Wks., Dayton, O. Ill.
Burlington Brass Works, Burlington, Wis.
Campbell, J. B. Brass Works, Erie, Pa.
Cleveland Bronze & Brass Works (Brass), Cleveland, O.
Clum & Atkinson, Rochester, N. Y.
Columbus Brass Co., Columbus, O.
Eagle Brass Works, Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Glauber Brass Mfg. Co., Cleveland, O.
Haines, Jones & Cadbury, 1136 Ridge av., Phila., Pa.
Jefferson Union Co., Lexington, Mass.
Mueller, H. Mfg. Co., Decatur, Ill.
National Mfg. & Supply Co., Minneapolis,
National Tube Co., Pittsburg, Pa. Minn.
Nolte Brass Co., Springfield, O.
Queen City Brass & Iron Works, Cincinnati, O.
Sanitary Co., Cleveland, O.
Savill, Thos. & Sons, 11th & Wood, Phila., Pa.
Springfield Brass Co., Springfield, O.
UNION WATER METER CO., (Combination Soldering Nipple), Worcester, Mass. (See adv. index, end of book)
Warren Brass Co., Warren, O.
Williams, D. T. Valve Co., 40 E 8th, Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.

*Unit Group System of Multiple Control

WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Universal Joints

(See Joints, Universal)

Unloaders (Ballast)

(See Ballast Loaders & Unloaders)

Unloaders (Sugar Cane Car)

Gregg Company (Ltd.), Newburgh, N. Y.

Upsetters (Tire)

(See also Upsetting & Forging Machines)

Brooks Tire Machine Co. (Hand Power for Upsetting Tires Cold while on Wheels), Wichita, Kan.
Buffalo Forge Co., Buffalo, N. Y.
Comstock, Geo. S. ("Comstock" Fire & Axle Shrinker), Mechanicsburg, Pa.
Fulton Iron Works (Stoddard's"), Detroit, Mich.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Star Forge Co., Buffalo, N. Y.
Wiley & Russel Mfg. Co. (Green River Stile), Greenfield, Mass.

Urinal Stalls

Mott, J. L. Iron Works ("Imperial," Porcelain), 118 5th av, New York
Piedmont Soapstone Co. (Soapstone), 55 Congress, Boston, Mass.; Works: Asbestine, Va.
Walls, Owen & Staubach Co. (Soapstone), 11th & Ridge av, Phila., Pa.

Urinals (Public)

CENTRAL FOUNDRY CO. (Cast Iron), 37 Wall, New York. (See adv. index, end of book)

Urns & Vases (Terra Cotta)

Carnegie Brick & Terra Cotta Co., San Francisco
Clark, N. & Sons, 17 Spear, San Francisco
Steiger Terra Cotta & Pottery Works, San Francisco

Vacuum Drying & Impregnating Apparatus

Buffalo Foundry & Machine Co., Buffalo, N.
Devine, J. P. Co. ("Emil Passburg"), Buffalo, N.
Hubbard's, Norman Sons, 265 Water, Brooklyn, N.
Stokes, F. J. Machine Co., 17th & Cambria, Phila.

Vacuum Jacketed Receptacle

Vacuum Insulating Co. ("Vac-Jack" Cases in Metal for Retaining Heat or Cold), Old Colony bldg, Chicago

*Vacuum Pan Appliances

NATIONAL GAUGE CO., 168 8th Brooklyn, N. Y. (See adv. index, end of book)

Vacuum Cleaners (Hand & Power)

American Vacuum Cleaner Co., 225 53d, New York
Atwood Vacuum Co. (Electro-Pneumatic Portable), Madison, Wis.
Automatic Vacuum Cleaner Co. (Light & Portable), Bloomington, Ill.
Blaisdell Machinery Co. (Power), Bradford, Pa.
Columbia Suction Cleaner Co. (Portable), Fulton, Brooklyn, N. Y.
Duntley Mfg. Co. ("Duntley" Electric Portable), 303 Dearborn, Chicago
Electric Suction Sweeper Co. (Electro-Pneumatic Portable), New Berlin
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Garden City Fan Co. (Portable & Stationary), Fisher bldg, Chicago
General Compressed Air and Vacuum Machine Co., 4469 Olive, St. Louis
Hutchinson Mfg. Co. ("Success" Hand Power), Wilkinsburg, Pa.
Keller Mfg. Co. ("Santo"), 21st & Allegheny av, Phila.
National Vacuum Cleaning Co. ("Green"), Dayton
P. & W. Vacuum Cleaner Co., 523 W 43d, New York
Perfection Vacuum Cleaning Co. (Portable), 35 So Clark, Chicago
Railway Specialty & Supply Co. ("Vac-Electric"), 77 Jackson boul, Chicago
Spencer Turbine Cleaner Co., Hartford, Conn.
Vacuum Cleaner Co. ("Kenney"), 72 Trinity pl, New York

Valve Balls (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Cleveland Rubber Works, Cleveland, O.
Continental Rubber Works, Erie, Pa.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Goodrich, B. F. Co., Akron, O.
Manhattan Rubber Mfg. Co., 136 Duane, New York
Mechanical Rubber Co., 73 Reade, New York
Morgan & Wright (Inc.), Detroit, Mich.
National India Rubber Co., Bristol, R. I.
New York Belting & Packing Co. (Ltd.), 9 Chambers, New York
New York Rubber Co., 84 Reade, New York
Peerless Rubber Mfg. Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
Revere Rubber Co., 63 Franklin, Boston, Mass.

Valve Bodies

Bethlehem Foundry & Machine Co. (Large Cast Iron Rough or Finished), Front st, Bethlehem, Pa.

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Valve Cups (Leather)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. R'y, Pittsburgh, Pa. (See adv. index, end of book)
Whittlesey, H. E. & Sons, Corry, Pa.

Valve Mfrs. for Steam, Gas & Water

(For Jobbers of these Goods see Plumbers' Supplies, Jobbers; also Steam Fitters' Supplies & Specialties, Jobbers)

(For Various Kinds of Valves see Sub-classications following this list)

Acton, John, 118 John, Brooklyn, N. Y.
Albany Steam Trap Co., 60 Church, Albany, N. Y.
All Metal Valve Co., 136 Liberty, New York
Alpena Industrial Works (Lewis T. Cline, Prop.), Alpena, Mich.
American Balance Valve Co., Jersey Shore, Pa.
American District Steam Co., Lockport, N. Y.
American Radiator Co., Chicago, Ill.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
American Valve Co., Coxsackie, N. Y.
American Valve & Meter Co., Cincinnati, O.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Ashton Valve Co., 271 Franklin, Boston, Mass.
Atwood & Morrill, Salem, Mass.
Bashlin Co., Warren, Pa.
Beaumont, Richard (Est. of), Kankakee, Ill.
Belfield, H. & Co., 435 N. Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
Bordo, L. J. Co. (Inc.), 12th & Thompson, Phila., Pa.
Boston Brass Co., 36 Oliver, Boston, Mass.
Bourbon Copper & Brass Works, Cincinnati, O.
Buckeye Iron & Brass Works, Dayton, O.
Burlington Brass Works ("Kant"), Burlington, Wis.
Burrows Mfg. Co., York, Pa.
Burton & Johnson, Cleveland, O.
Cadman, A. W. Mfg. Co., Pittsburg, Pa.
Canton Brass Co., Canton, Ohio.
Capital Brass Works, Detroit, Mich.
Cayuta Mfg. Co., Sayre, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coale Muffler & Safety Valve Co., Fidelity bldg, Baltimore, Md.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Columbus Brass Co., Columbus, O.
Consolidated Safety Valve Co., 85 Liberty, New York
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co., Williamsport, Pa.
Davis, Geo. M. Regulator Co., 144 Milwaukee, av, Chicago, Ill.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Detroit Heating & Lighting Co., Wight nr Leib, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Dorn & Marcellus Co., York & Mascher, Philadelphia, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eddy Valve Co., Waterford, N. Y.
Engberg's Electrical & Mechanical Works (Electro Hydraulic Valve), St. Joseph, Mich.
Evans Mfg. Co., Butler, Pa.
Exeter Machine Works, Exeter, N. H.
Eynon-Evans Mfg. Co., 1519 Clearfield, Philadelphia, Pa.
Fewlass-Leen Brass & Iron Co., Cincinnati, O.
Fisher Governor Co., Marshalltown, Ia.
Ford, Thos. P. Co., 407 Broome, New York
FOSTER ENGINEERING CO., 119 Monroe, Newark, N. J. (See adv. index, end of book)
Foster, F. W. Mfg. Co., 6 Portland, Boston, Mass.
French Oil Mill Machinery Co., Piqua, O.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
General Fire Extinguisher Co., Providence, R. I.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
GORTON & LIDGERWOOD CO. (Gorton Quick Opening), 96 Liberty, New York, & Fisher bldg., Chicago, Ill. (See adv. index, end of book)
Hancock Inspirator Co., The, 85 Liberty, New York
Harde-Tynes Foundry & Machine Co., Birmingham, Ala.
Harvey's, A. Sons Mfg. Co., 22 1st, Detroit, Mich.
Hayden, N. L. Mfg. Co. ("Tippett" Compact), Columbus, O.
Hayden & Derby Mfg. Co., 85 Liberty, New York
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hermance Valve Co., Syracuse, N. Y.
Hills, Rob't E. & Co., 128 Kinzie, Chicago, Ill.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Philadelphia, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
Huxley Valve Co., 281 Chicago, Buffalo, N. Y.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Jenkins Bros., 71 John, N. Y.; 85 High, Boston, Mass.
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Keystone Brass Co., Erie, Pa.
Kieley & Mueller, 34 W 13th, New York
Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.
Kirkup, Robt. & Co., 620 Lodge, Cincinnati, O.
Kitts Mfg. Co., Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Kunkle, E. B. & Co., Fort Wayne, Ind.
Lang, J. Electric Co., 116 N Lincoln, Chicago, Ill.
Lavinge Mfg. Co. ("Packless"), Detroit, Mich.
Lee Inector Mfg. Co., Detroit, Mich.
Libby Valve & Packing Co., Niantic, Conn.
Liberty Mfg. Co., 6907 Susquehanna, Pittsburg, Pa.
Lloyd Mfg. Co., Minneapolis, Minn.
Locke Regulator Co., Salem, Mass.
Loetzer Valve & Mfg. Co., Monroeton, Pa.
Lonergan, J. E. & Co., 211 Race, Philadelphia, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McCambridge & Co., Philadelphia, Pa.
McGowan, Jno. H. Co., Cincinnati, O.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book.)
McNab & Harlin Mfg. Co., 56 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Marquette, John N. (Lead-Lined Acid), 509 S. Eden, Baltimore, Md.
Marsh, Jas. P. & Co., 224 Washington, Chicago, Ill.
Mason Regulator Co., 158 Summer, Boston, Mass.
Milwaukee Valve Co., Milwaukee, Wis.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Monash-Younker Co. (Steam & Water Only), 203 S Canal, Chicago, Ill.
Mueller, H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co., 71 Beekman, New York
National Tube Co., Pittsburg, Pa.
Nelson, Chas., 439 E 10th, New York
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Nelson Valve Co., Wyndmoor, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
Nolte Brass Co. (A. B. Nolte, Prop.), Springfield, O.
Non-Corrosive Valve & Pipe Co., 25 W. 1st, Boston, Mass.
Ohio Brass Co., Mansfield, O.
OIL WELL SUPPLY CO. (Iron & Brass), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Patterson-Allen Engineering Co., 2 Rector, New York
Pearce, W. H. & Co. ("Crescent," Steam Only), 269 Dearborn, Chicago, Ill.
Perkes, Chas. (Est. of), 623 Arch, Phila., Pa.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Pioneer Brass Works, Indianapolis, Ind.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av., Pittsburgh, Pa. (See adv. index, end of book.)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Powhatan Brass & Iron Works, Charlestown, W. Va.
Pratt & Cady Co., Hartford, Conn.
Queen City Brass & Iron Works, Spring Grove & Garrard av, Cincinnati, O
Rensselaer Mfg. Co., Troy, N. Y.
Ross Valve Mfg. Co., Troy, N. Y.
Rundle, Spence Mfg. Co., Milwaukee, Wis.
Safety Cylinder Valve Co., Mansfield, O.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Schutte & Koerting Co., 1251 N 12th, Philadelphia, Pa.
Smith, A. P. Mfg. Co., Newark, N. J.
Smith, H. B. Co., Westfield, Mass., & 39 E Houston, New York
South Park Foundry & Machine Co., St. Paul, Minn.
Springfield Brass Co., Springfield, O.
Standard Steam Specialty Co., 542 W B'way, New York
Star Brass Mfg. Co., 103 Dedham, Boston, Mass.
Stephens, Roe Mfg. Co., Detroit, Mich.
Sweet & Doyle Valve Co., Green Island, N. Y.
Swift Lubricator Co., Elmira, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Thompson, J. & Co., cor Van Horn & Sophia, Philadelphia, Pa.
Tranter Mfg. Co., Pittsburg, Pa.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Utica Steam Gauge Mfg. Co., Frankfort, N. Y.
Walch & Wyeth, 87 E. Lake, Chicago, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Watson & Daniels Co., 146 N 7th, Phila., Pa.
Whitcomb, Geo. D. Co., Rochelle, Ill.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valve Re-Seating Machines

(See Machines, Valve Re-seating)

Valve Seat-Milling Machines

(See Machinery, Valve Re-seating)

Valve Seats (Ball)

Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Darling Pump & Mfg. Co., Williamsport, Pa.

Valve Stems

Electric Welding Products Co., Cleveland, O.
Union Drop Forge Co. (Drop Forged), Chicago, Ill.

*Valve Testing Device

WESTINGHOUSE AIR BRAKE CO. ("Westinghouse" Portable Triple), Pittsburg, Pa.

*Valve & Plug Testing

SIMMONS, JNO. CO. ("L. & K." Valve & Plug), 106 Centre, New York. (See adv. index, end of book)

Valve & Service Boxes

(See Boxes, Valve & Service)

Valves (Acid)

Chapman Valve Mfg. Co., Indian Orchard, Mass.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Darling Pump & Mfg. Co., Williamsport, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Graham, Chas. Chemical Pottery Works (Stoneware), 986 Metropolitan av, Brooklyn, N. Y.
Homestead Valve Mfg. Co., Homestead, Pa.
Marquette, John N. (Lead-Lined), 509 S. Eden, Baltimore, Md.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Rensselaer Mfg. Co., Troy, N. Y.
Robertson, Jas. Mfg. Co., 14 S Hanover, Baltimore, Md.
SHAW, BENJ. F. CO., Wilmington, Del. (See adv. index, end of book)

Valves (Adams or Y)

Crane Valve Co., Bridgeport, Conn.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

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Valves (Air)

All Metal Valve Co., 186 Liberty, New York
American Pin Co., Waterbury, Conn.
American Radiator Co. (Automatic, "Libra," "Norwall"), 282 Michigan av, Chicago, Ill.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Bashlin Co., Warren, Pa.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co. (Automatic), Bridgeport, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Canton Brass Co. (Radiator), Canton, O.
Capital Brass Works (Radiator), Detroit, Mich
Caskey Valve Co. (High Pressure), 99 John, New York
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Consolidated Engineering Co. ("Van Auken" Water Seal, Automatic), cor. Jackson & Canal, Chicago, Ill.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Davis, Geo. M. Regulator Co. ("Victor"), 144 Milwaukee av, Chicago, Ill.
Detroit Heating & Lighting Co., Wight, nr. Leib, Detroit, Mich.
Dunham, C. G. Co. ("Norwall"), 24 S 7th, Phila., Pa.
Eagle Brass Works, Detroit, Mich.
Eddy Valve Co., Waterford, N. Y.
Exeter Machine Works, Exeter, N. H.
FOSTER ENGINEERING CO. (Air Reducing & Relief), 119 Monroe, Newark, N. J. (See adv. index, end of book)
General Fire Extinguisher Co., Providence, R. I.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Harlem Mfg. Co. ("Omega," Automatic, etc.), 42 W 67th, New York
Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co. (Automatic, etc.), 515 Diversey Boul., Chicago, Ill.
INDUSTRIAL INSTRUMENT CO., (And Automatic Radiator Air), Foxboro, Mass. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Jenkins Bros. (Automatic, etc.), 71 John, New York
Kelly & Jones Co. (Compression & Lock Shield), 135 Water, Pittsburg, Pa.
Lawler Regulator Co. ("Lawler" Automatic Floatless for Hot Water Radiators), 473 W Broadway, New York
Leyner, J. Geo. Engineering Works Co., Littleton, Col.
Loetzer Valve & Mfg. Co. (For Water Mains), Monroeton, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)
Magee, Alonzo H. ("Jumbo"), 106 Beekman, New York
Marsh, James P. Co. ("Acme," "Paul," "S. & H. Special," "Illinois"), 224 Washington, Chicago, Ill.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Monash-Younker Co. ("Perfected Duplex Monash"), 208 S Canal, Chicago, Ill.
National Steam Specialty Co. ("National," "Economy" Radiator), 230 E Washington, Chicago, Ill.
Penna. Engineering Co. ("Penn"), 1119 N Howard, Phila., Pa.
Pierce, Butler & Pierce Mfg. Co. ("American," "American, Jr.," "Royal," "Royal 1900 Ball Joint," "Royal, Jr.," "Pneu-Vent," "New Royal," "Royal Key," "Royal School Valve"), Syracuse, N. Y.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co., 2329 Spring Garden av, Cincinnati, O
Q. M. S. Co., Plainfield, N. J.
Rensselaer Mfg. Co., Troy, N. Y.
Roberts Brass Mfg. Co., Detroit, Mich.
Schaeffer & Budenberg Mfg. Co. (Radiator Air), 963 Kent av, Brooklyn, N. Y.
Simplex Valve & Meter Co. (Automatic for Water Main), 112 N Broad, Phila., Pa.
Smith, H. B. Co. ("Breckenridge"), Westfield, Mass., & 39 E Houston, New York
Thompson, J. & Co. (Poppet), c Van Horn & Sophia, Phila., Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Whitcomb, Geo. D. Co., Rochelle, Ill.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Valves (Air Discharge, Pressed Steel)

PRESSED STEEL TANK CO. (For Blowing Engines & Compressors), Milwaukee, Wis. (See adv. index, end of book)

Valves (Air, for Coal Mines)

Kelly & Jones Co., 135 Water, Pittsburg, Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Altitude Controlling)

Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburg, Pa.
Simplex Valve & Meter Co. (For Controlling the Level of Water in Reservoirs, Stand Pipes & Railroad Tanks), 112 N Broad, Phila., Pa.

Valves (Ammonia)

American Valve Co., Coxsackie, N. Y.
Arctic Ice Machine Co., Canton, O.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index, end of book)
Darling Pump & Mfg. Co., Williamsport, Pa.
Featherstone Foundry & Machine Co. (High Grade Semi-Steel), 848 Halsted, Chicago, Ill.
FOSTER ENGINEERING CO., (Pressure), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Great Lakes Engineering Works, Detroit, Mich.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Ludlow Valve Mfg. Co., Troy, N. Y.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Triumph Ice Machine Co., 610 Baymiller, Cincinnati, O.
Vogt, Henry Machine Co., Louisville, Ky.
Wolf, Fred W. Co. (Angle, Check, Globe, Plug, Expansion Gate & Steep Tank), 139 Rees, Chicago, Ill.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Angle)

(See Valves, Globe & Angle)

Valves (Anti-Freezing)

Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

Valves (Asbestos Packed)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Fairbanks Co., 186 Lafayette, New York
Pratt & Cady Co., Hartford, Conn.

Valves (Automatic Air)

(See Valves, Air)

Valves (Back Pressure)

Acton, John, 118 John, Brooklyn, N. Y.
American District Steam Co., Lockport, N. Y.
Atwood & Morrill ("XX" Century), Salem, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
BLAKE, GEO. F. MFG. CO., 11 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Buckeye Iron & Brass Works, Dayton, O.
Burrows Mfg. Co., York, Pa.
Coldwell-Wilcox Co., Newburgh, N. Y.
Consolidated Engineering Co. ("Van Auken" cor. Jackson & Canal, Chicago
Crane Co. (Est. 1855), 519 S Canal, Chicago (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Davis, Geo. M. Regulator Co., 144 Milwaukee av, Chicago
Eastwood Wire Mfg. Co., Belleville, N. J.
Edwardsville Brass Co., Edwardsville, Ill.
Erwin & Welch (Air & Water), 35 S Canal, Chicago
Fairbanks Co. ("Pratt-Cady"), 186 Lafayette, New York
Ford, Thomas P. Co., 407 Broome, New York
FOSTER ENGINEERING CO., (For Heating Systems), 119 Monroe, Newark, N. J. (See adv. index, end of book)
General Fire Extinguisher Co., Providence, R. I.
Goodrich, Judson A. Co. (Mfrs. "Agata"), 88 Beekman, New York
Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Hughson Steam Specialty Co. ("Eclipse" 5021 S State, Chicago
Hussey, McCann & Co., 87 Warren, New York
Illinois Malleable Iron Co., 515 Diversity boul., Chicago
Jenkins Bros. ("Excelsior"), 71 John, New York
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Kieley & Mueller, 24 W 13th, New York
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Locke Regulator Co., Salem, Mass.
McGowan, John H. Co., Cincinnati, O.
Milwaukee Valve Co. ("M"), Milwaukee, Wis.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Pratt & Cady Co., 556 Capitol, Hartford, Conn.
Reliance Engineering Co., Duluth, Minn.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Standard Steam Specialty Co. ("Utility"), 56 W B'way, New York
Stephens, Roe Mfg. Co. ("Scott"), 1072 McKinley av, Detroit, Mich.
Thomas Brass & Iron Co., Waukegon, Ill.
Williams, D. T. Valve Co., 410 E 8th, New York

Valves (Back Water & Sewer Gas)

Barrett, Jas., Mfg. Co., 211 Franklin, Boston, Mass.
Kennedy Valve Co. ("Pennie"), Elmira, N. Y.
Robertson, John & Co. ("Pennies"), 127 Water, Brooklyn, N. Y.

Valves (Balance)

Acton, John, 118 John, Brooklyn, N. Y.
American Balance Valve Co. (High Pressure), Jersey Shore, Pa.
Atwood & Morrill ("Lever"), Salem, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Bridgman Bros. Co. (Brass), 1422 Washington av, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Davis, G. M. Regulator Co. (Steam, Air & Water), 144 Milwaukee av, Chicago, Ill.
Dow, Geo. H. Pumping Engine Co., 170 1st, San Francisco, Cal.
FOSTER ENGINEERING CO. (Lever), 119 Monroe, Newark, N. J. (See adv. index, end of book)
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Hammett, M. C. ("Richardson" & "Allen Richardson" Locomotive), Troy, N. Y.
Harris, Arthur & Co. ("Harris"), 44 N Carpenter, Chicago, Ill.
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Locke Regulator Co., Salem, Mass.
Mason Regulator Co., 158 Summer, Boston, Mass.

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BOSTON OFFICE	112 High Street
NEW ORLEANS OFFICE	Tulane-Newcomb Building
KANSAS CITY OFFICE	503 Finance Building
LONDON STORE	35 Great Dover Street, S. E.
AUSTRALIA BRANCH	A. Asher Smith, 56 Market Street, Sydney
SOUTH AFRICA BRANCH,	A. Pargiter & Company, Johannesburg

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Monarch Valve & Mfg. Co.

SPRINGFIELD, MASS.

High Grade Bronze and Iron Bodied Valves



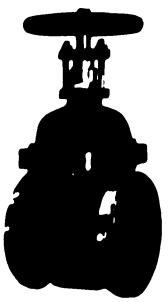
















All our Valves have this loose neck arrangement. Don't you see its value? If not, try the MONARCH





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PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

Spencer Regulator Co. ("Spencer"), Salem, Mass.

Stephens. Roe Mfg. Co., Detroit, Mich.

Waters Governor Co., Everett, Mass.

WOODS VALVE & MACHINE CO. ("Non-Leather"), Steubenville, O. (See adv. index, end of book)

*Valves (Balanced Lever)

GARDNER GOVERNOR CO. (For Steam Pumps), Quincy, Ill. (See adv. index, end of book)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Valves (Ball)

Darling Pump & Mfg. Co., Williamsport, Pa.

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry.. Pittsburgh, Pa. (See adv. index, end of book) end of book)

Williams, D. T. Valve Co., 410 E 8th, New York

Valves (Bicycle Tire)

(See also Valves, Motor Tire)

Schrader's, A. Son (Inc.) ("Schrader"), 30 Rose, New York

Valves (Blast Furnace)

Hartman Co., 1231 N Front, Phila., Pa.

PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av Pittsburgh, Pa. (See adv. index, end of book)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Valves (Blast & Gas)

Best Mfg. Co., 25th & A. V. Ry. Pittsburg, Pa.

Chapman Valve Mfg. Co., Indian Orchard, Mass.

Connersville Blower Co., Connersville, Ind.

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)

Morgan Construction Co., Worcester, Mass.

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Roots, P. H. & F. M. Co., Connersville, Ind.

Weimer Machine Works Co., Lebanon, Pa.

*Valves (Blind)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

Valves (Blow-off)

Bashlin Co., Warren, Pa.

Belfield, M. & Co., 435 N. Broad, Phila., Pa.

Best Mfg. Co. ("Myers," "Heston"), 25th & A. V. Ry. Pittsburg, Pa.

Bonner, Wm. T. Co. ("Freeport"), 246 Summer, Boston, Mass.

Bordo, L. J. Co (Inc.), (for Locomotives), 12th & Thompson, Phila., Pa.

Buckeye Iron & Brass Works, Dayton, O.

Cadman, A. W. Mfg. Co. (High Pressure), etc.), 2814 Smallman, Pittsburg, Pa.

Caskey Valve Co. (High Pressure), 99 John, New York

Chapman Valve Mfg. Co., Indian Orchard, Mass.

Chester Engineering & Machine Co., Chester, Pa.

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

CROSBY STEAM GAGE & VALVE Co. ("Johnston"), 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)

Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.

Eastwood Wire Mfg. Co. (For Digesters, etc.), Belleville, N. J.

Eynon-Evans Mfg. Co., 1519 Clearfield, Phila., Pa., & 107 Liberty, New York

Fairbanks Co. ("Pratt-Cady"), 416 Broome, New York

Golden-Anderson Valve Specialty Co. ("Golden"), Fulton bldg, Pittsburg, Pa.

Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.

Homestead Valve Mfg. Co., Homestead, Pa.

Huxley Valve Co. ("Huxley" Ball Cock), 281 Chicago, Buffalo, N. Y.

Jenkins Bros., 71 John, New York

Jerguson Mfg. Co. ("Freeport"), 221 Columbus av, Boston, Mass.

Kelly & Jones Co., 135 Water, Pittsburg, Pa.

LAWRENCEVILLE BRONZE CO., ("Robertson"), 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)

Liberty Mfg. Co. ("Faber," Self-Cleaning), 6907 Susquehanna, Pittsburg, Pa.

Lloyd Mfg. Co. ("R. C."), Minneapolis, Minn.

LUNKENHEIMER CO. ("Duro" Locomotive Angle), General Offices & Works, Beekman & Waverly, Cincinnati, Ohio. (See adv. index & branch offices, end of book)

Monarch Machine Works ("Riggin"), Altoona, Pa.

MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)

National Supply Co. ("Shaw"), Toledo, O.

National Tube Co. (Iron Body), Pittsburg, Pa.

Patterson-Allen Engineering Co. ("Everlasting"), 2 Rector, New York

PITTSBURGH GAGE & SUPPLY CO., ("Clean Seat"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)

PITTSBURGH VALVE, FOUNDRY Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Pittsburg Valve & Fittings Co., Pittsburg, Pa.

Powell, Wm. Co. ("Cyclone"), 2525 Spring Grove av, Cincinnati, O.

Queen City Brass & Iron Works ("Flesterberg"), Spring Grove & Girard av, Cincinnati, O.

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

SIMMONS, JOHN CO. ("Rothschild"), 104-110 Centre, New York. (See adv. index, end of book)

Tranter Mfg. Co. ("Robertson"), Pittsburg, Pa.

Watson & McDaniel Co. ("W. & McD.," Straightway), 146 N 7th, Philadelphia, Pa.

Wickes Bros., Saginaw, Mich.

Williams, D. T. Valve Co., 410 E 8th, New York

Williams Gauge Co., Pittsburg, Pa.

Valves (Boiler Feed)

Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.

Golden-Anderson Valve Specialty Co. ("Anderson" Cushioned Check), Fulton bldg, Pittsburg, Pa.

Knapp Bros. Mfg. Co. ("Knapp's" Automatic), 123 Franklin, Chicago, Ill.

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Williams, D. T. Valve Co., 410 E 8th, New York

Valves (Boiler Stop)

Darling Pump & Mfg. Co., Williamsport, Pa.

Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburg, Pa.

New Bedford Boiler & Machine Co., New Bedford, Mass.

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Williams, D. T. Valve Co., Cincinnati, O.

WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Butterfly)

Best Mfg. Co., 25th & A. V. Ry. Pittsburg, Pa.

Buckeye Iron & Brass Works, Dayton, O.

LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices end of book)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry. Pittsburgh, Pa. (See adv. index, end of book)

Valves (By-Pass)

Ford, Thos. P. Co., 407 Broome, New York

Valves (Check)

Acton, Jno. (Boiler Automatic Stop-off), 118 John, Brooklyn, N. Y.

Albany Steam Trap Co., Albany, N. Y.

American Valve Co., Coxsackie, N. Y.

American Valve & Meter Co., 1119 Gest, Cincinnati, O.

Baker-Churchill-Lee Co. ("Lee" Ball), Detroit, Mich.

Bashlin Co., Warren, Pa.

Belfield, H. & Co., 435 N Broad, Phila., Pa.

Belknap Mfg. Co., Bridgeport, Conn.

Best Mfg. Co. ("Climax"), 25th & A. V. Ry, Pittsburg, Pa.

BLAKE, GEO. F. MFG. CO., 115 B'way, New York. Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

Buckeye Iron & Brass Works, Dayton, O.

Chapman Valve Mfg. Co., Indian Orchard, Mass.

Coffin Valve Co., Nepenset, Boston, Mass.

Coldwell-Wilcox Co., Newburg, N. Y.

CORNELL & UNDERHILL, 47 Beach New York. (See adv. index, end of book)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Crane Valve Co., Bridgeport, Conn.

CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)

Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.

Davis, G. M. Regulator Co. (Auto), 144 Milwaukee av, Chicago, Ill.

DEANE STEAM PUMP CO., 115 B'way, New York. Works: Holyoke, Mass. (See adv. index & branch offices, end of book)

Detroit Brass Works, Detroit, Mich.

Draper Mfg. Co. (Ball Check), Port Huron, Mich.

Eastwood Wire Mfg. Co. (Regrinding), Belleville, N. J.

Eddy Valve Co., Waterford, N. Y.

Evans Mfg. Co., Butler, Pa.

Eynon-Evans Mfg. Co. (Extra Heavy), 1509 Clearfield, Phila., Pa.

Fairbanks Co. ("Pratt-Cady"), 196 Lafayette, New York

Fewlass-Leen Brass & Iron Co., 456 E 2d, Cincinnati, O.

FOSTER ENGINEERING CO., (Automatic Non-Returning), 119 Monroe, Newark, N. J. (See adv. index, end of book)

French Oil Mill Machinery Co., Piqua, O.

General Fire Extinguisher Co., Providence, R. I.

Golden-Anderson Valve Specialty Co., Fulton bldg., Pittsburg, Pa.

Haines, Jones & Cadbury Co., 1140 Ridge av, Phila., Pa.

Hancock Inspirator Co., The, 85 Liberty, New York

Hayden & Derby Mfg. Co. (Swing), 85 Liberty, New York

Haydenville Co., Haydenville, Mass.

Hennebohle, Frank (Automatic), Chicago & Erie avs, So. Chicago, Ill.

Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.

Hoffman & Billings Mfg. Co., Milwaukee, Wis.

Homer Brass Works (Inc.), 231 Race, Phila., Pa.

Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.

Jarecki Mfg. Co., Erie & Pittsburg, Pa.

Jenkins Bros., 71 John, N. Y.; 35 High, Boston, Mass.

Kelly & Jones Co., 135 Water, Pittsburg, Pa.

Kennedy Valve Mfg. Co. ("Swinging"), Elmira, N. Y.

Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.

KNOWLES STEAM PUMP WORKS, 115 B'way, New York. Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)

Libby Valve & Packing Co., Niantic, Conn.

Locke Regulator Co., Salem, Mass.

Lonergan, J. E. & Co., 211 Race, Phila., Pa.

Ludlow Valve Mfg. Co., Troy, N. Y.

LUNKENHEIMER CO. (Ball & Swing), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

McDonald, A. Y., & Morrison Mfg. Co., Dubuque, Ia.

McMANN & TAYLOR ("Acorn"), 104 John, New York. (See adv. index, end of book)

McNab & Harlan Mfg. Co., 56 John, New York

Milwaukee Valve Co. ("M"), Milwaukee, Wis.

Mueller Mfg. Co., Decatur, Ill.

National Tube Co. (High Duty, Steam, Metal, "Kewanee" Union), Pittsburg, Pa.

Nelson, Chas., 439 E 10th, New York

Nelson, N. O. Mfg. Co. ("Reid"), St. Louis, Mo.

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Nelson Valve Co. (Brass & Iron), Wyndmoor, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
Nolte Brass Co., Springfield, O.
Ohio Brass Co., Mansfield, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Peck Bros. Co., 125 Chestnut, New Haven, Conn. (See adv. index, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Pittsburg Valve & Fittings Co., Pittsburg, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co. ("Star," "Crescent"), 2529 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works, Spring Grove & Garrard avs, Cincinnati, O.
Rensselaer Mfg. Co., Troy, N. Y.
Sundle-Spencer Mfg. Co., 63 2d, Milwaukee, Wis.
Schutte & Koerting Co. (& Auto Stop Check), 1251 N 12th, Phila., Pa.
Springfield Brass Co., Springfield, O.
Stephens, Roe Mfg. Co. ("Flower," "Scott," "Rouse"), Detroit, Mich.
Thomas Brass & Iron Co., Waukegan, Ill.
Thompson, J. & Co., cor Van Horn & Sophia, Philadelphia, Pa.
Valch & Wyeth, 87 E Lake, Chicago, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WORTHINGTON, HENRY R., 115 B'way, New York. (See adv. index & branch offices, end of book)

Valves (Chimney)

Hartman Co. (For Blast Furnace), 1231 N Front, Phila., Pa.

Valves (Chronometer)

Kelly & Jones Co. ("Empire"), 185 Water, Pittsburg, Pa.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)

Valves (Closet Flushing)

(See Valves, Flushing)

Valves (Coke Oven)

(See Valves, Gas & Coke Oven)

Valves (Corner)

Buckeye Iron & Brass Wks. (With or Without Jenkins Disc), Dayton, O.
GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)
Kennedy Valve Mfg. Co. (Renewable Disc), Elmira, N. Y.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

*Valves (Critchlow)

MORGAN ENGINEERING CO., Alliance, O. (See adv. index & branch offices, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Diaphragm Reducing)

Watson & McDaniel Co. ("Watson"), 146 N 7th, Phila., Pa.

Valves (Emergency)

National Brake & Electric Co. ("National" Air Brake for Electric Cars), Milwaukee, Wis.

Valves (Eurema "Y")

National Tube Co. (Iron Body), Pittsburg, Pa.

Valves (Exhaust)

Best Mfg. Co., 25th & A. V. B'y, Pittsburg, Pa.
BLAKE, GEO. F. MFG. CO. (Exhaust Relief), 115 B'way, New York Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
FOSTER ENGINEERING CO. (Free Exhaust), 119 Monroe, Newark, N. J. (See adv. index, end of book)
KNOWLES STEAM PUMP WORKS (Exhaust Relief), 115 B'way, New York. Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO. ("Three-Way"), Cambridge, Boston, Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Nelson Valve Co., Wyndmoor, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Fibre)

(See also Fibre Manufacturers, Hard)

AMERICAN VULCANIZED FIBRE Co. (Vulcanized), Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Spaulding, J. & Sons Co., Rochester, N. Y.
WILMINGTON FIBRE SPECIALTY Co. (Vulcanized), Wilmington, Del. (See adv. index, end of book)

Valves (Fire Extinguisher)

MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Valves (Float)

American Valve & Meter Co. ("Poage's"), 1129 Gest, Cincinnati, O.
Butler Co., Butler, Ind.
CALDWELL, W. E. CO., Brook & D., Louisville, Ky. (See adv. index, end of book)
Davis, G. M. Regulator Co. ("Davis"), 144 Milwaukee av, Chicago, Ill.
Eddy Valve Co. (Automatic Balance), Waterford, N. Y.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
FOSTER ENGINEERING CO. (Auxiliary & Direct Acting Type), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Foster, F. W. Mfg. Co. ("Nev-R-Lek"), Boston, Mass.
Golden-Anderson Valve Specialty Co. ("Anderson" Automatic), Fulton bldg, Pittsburg, Pa.
Hayes Pump & Planter Co. ("The Enterprise"), Galva, Ill.
Lavigne Mfg. Co. (Gasoline), Detroit, Mich.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Schaeffer & Budenberg Mfg. Co. (For Reservoirs), 963 Kent av, Brooklyn, N. Y.

Valves (Flushing)

Albany Brass & Iron Co., Albany, N. Y.
American Pin Co. (Syphon), Waterbury, Conn.
Boston Brass Co., 36 Oliver, Boston, Mass.
Central Brass Works, 322 W Pearl, Cincinnati, O.
Columbus Brass Co., Columbus, O.
Cooper, Wm. S. Brass Works ("Atavic"), 437 N 12th, Philaadelphia, Pa.
Dalton-Ingersoll Co., 169 High, Boston, Mass.
Dececo Co. ("Carson N-B, "D-C"), 146 High, Boston, Mass.
Edwardsville Brass Co., Edwardsville, Ill.
Eljer Co. ("Eljer"), Cameron, W. Va.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Flush-O-Valve Co. ("Flush-O-Valve"), 45 W 34th, New York
Foster, F. W. Mfg. Co. ("Nev-R-Lek"), 6 Portland, Boston, Mass.
Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.
Haydenville Co., Haydenville, Mass., & 150 Nassau, New York
Heap, Wm. & Sons (Syphon), Grand Haven, Mich.
Homer Brass Works (Inc.), 231 Race, Philadelphia, Pa.
Humphreys Mfg. Co., Mansfield, O.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Jenkins Mfg. Co. ("Novio"), Bloomfield, N. J.
Keystone Sanitary Supply Co. ("Dr. Isaac's"), Pittsburg, Pa.
Lipp, Louis Co., Mitchell av & B. & O. S. R. R. Tracks, Cincinnati, O., & 104 High, Boston, Mass.
McCambridge & Co., Phila., Pa.
McDonald, A. Y. & Morrison Mfg. Co., Dubuque, Ia.
Monarch Brass Co. ("Monarch" Gravity), Cleveland, O.
Mott, J. L. Iron Works, 118 5th av, New York

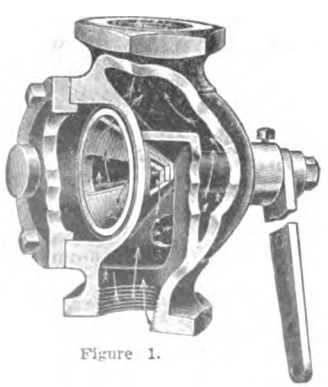


Figure 1.

UNION WATER METER CO.,

Worcester, :: Mass.

Chronometer Valves,
Steam Fire Alarm Gongs,
Water Meters.

CATALOG H. 45.

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McMANN & TAYLOR Wrought and Cast Iron Pipe & Fittings Boiler Tubes. Brass and Iron Valves.

Steam and Water Specialties. Plumbers', Gas and Steam Fitters' Supplies.

CABLE ADDRESS "PIPEMEN" **104 and 106 JOHN STREET, NEW YORK**

Murphy Specialty Co. ("Murphy"), Milwaukee, Wis.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Park & McKay Co., 55 Bagley av, Detroit, Mich.
Pasman, A. N. ("Crest"), 2 Foye pl, Jersey City, N. J.
Pfau Mfg. Co., Cincinnati, O.
Phillips Flushing Tank Co. ("Boston"), 66 Batterymarch, Boston, Mass.
Quinn Supply Co. ("Quinn"), 120 S Western av, Chicago, Ill.
Sanitas Mfg. Co. ("Sanitas"), 54 Union, Boston, Mass.
SIMMONS, JOHN CO., ("Rothschild" Flushometer), 104-110 Centre, New York. (See adv. index, end of book)
Springfield Brass Co., Springfield, Mass.
Standard Sanitary Mfg. Co., Pittsburg, Pa.
Street & Kent Mfg. Co., 43 Fulton, Chicago, Ill.

Valves (Foot)

ABENDROTH & ROOT MFG. CO. (Galvanized Flanged), Newburgh, N. Y. (See adv. index & branch offices, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Baker-Churchill-Lee Co. ("Lee"), 907 Michigan av, Detroit, Mich.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co., 25th & A. V. Ry., Pittsburg, Pa.
Billings & Hoffman Mfg. Co., Milwaukee, Wis.
BLAKE, GEO. F. MFG. CO., 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
Bourbon Copper & Brass Works, 618 E Front, Cincinnati, O.
BROWN, A. & F. CO., (Newman Patent Continuous Service), 25 Dey, New York. (See adv. index, end of book)
Buckeye Iron & Brass Works, Dayton, O.
Coffin Valve Co., Neponset, Boston, Mass.
Crane Co. (Est. 1855) 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Darling Pump & Mfg. Co., Williamsport, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eddy Valve Co., Waterford, N. Y.
Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Illinois Malleable Iron Co., 515 Diversey boul, Chicago, Ill.
Kelly & Jones Co. (Iron), 135 Water, Pittsburg, Pa.
KNOWLES STEAM PUMP WORKS, 115 B'way, New York; Works: East Cambridge, Mass. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO., General Office & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
National Tube Co. (Iron Body), Pittsburg, Pa.
Newman Mfg. Co. ("Newman" Continuous Service), 26 Cortlandt, New York
Pancoast, H. B. & Co. (Combined Foot Valve & Strainer), 243 S 3d, Phila., Pa.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Stephens-Roe Mfg. Co. ("Flower"), Detroit, Mich.
Thompson, J. & Co., cor Van Horn & Sophia, Philadelphia, Pa.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WORTHINGTON HENRY R., 115 B'way, New York. (See adv. index and branch offices, end of book)

Valves (Gas Log)

Crane Valve Co. (Brass), Bridgeport, Conn.

Valves (Gas Main)

Bate, Wm. T. & Son, Conshohocken, Pa.
Beaumont, Richard (Est. of), Kankakee, Ill.
Bowler Foundry Co., Cleveland, O.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), (Iron & Brass), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co. (Ltd.), Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Gas Machinery Co., Cleveland, O.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Kerr-Murray Mfg. Co., Fort Wayne, Ind.
Loetzer Valve & Mfg. Co. ("Loetzer Dual"), Monroeton, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Nelson Valve Co., Wyndmoor, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Rensselaer Mfg. Co., Troy, N. Y.
Roberts Brass Mfg. Co., Detroit, Mich.
Stephens, Roe Mfg. Co., Detroit, Mich.
Thompson, J. & Co., Van Horn & Sophia, Phila., Pa.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Valves (Gas or Coke Oven)

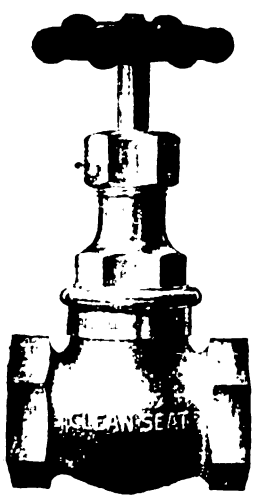
Bowler Foundry Co. ("Higgs," Water Cooled), Cleveland, O.
Crane Valve Co., Bridgeport, Conn.
Kennedy Valve Mfg. Co. (Light All Iron Gate with Steel Stem), Elmira, N. Y.
McNab & Harlin Mfg. Co., 56 John, New York
Pittsburg Brass Mfg. Co., Penna. av & 32d, Pittsburg, Pa.
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Gas, Siemen)

Velte Foundry & Machine Co., Home & A. V. R. R., Pittsburg, Pa.

Valves (Gate)

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American District Steam Co. (Packless Iron & Brass Body), Lockport, N. Y.
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Chapman Valve Mfg. Co., Indian Orchard, Mass.
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Detroit Lubricator Co., Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
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Harvey's, A. Sons Mfg. Co., 22 1st, Detroit.
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Hoffmann, B. Mfg. Co., 257 6th, Milwaukee, Wis.
Homestead Valve Mfg. Co. (Straightway), Homestead, Pa.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Jenkins Bros., 71 John, New York
Kelly & Jones Co. (Brass & Iron), 135 Water, Pittsburg, Pa. Works, Greensburg, Pa.
Kennedy Valve Mfg. Co. (Iron, Brass & Bronze), Elmira, N. Y.
Libby Valve & Packing Co. ("Vincent"), Niantic, Conn.
Loetzer Valve & Mfg. Co. ("Loetzer" Double), Monroeton, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
LUNKENHEIMER CO. ("Clip," "Victor" Double Disc "Handy"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McLean, John ("Ayers"), 440 Water, New York
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
McMann's, Thos. B. Sons ("Russell"), 58 Gold, New York
McNab & Harlin Mfg. Co. (Brass & Iron Body), 56 John, New York
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MONARCH VALVE MFG. CO., Warren, Mass. (See adv. index, end of book)
National Tube Co. (High-Duty & Steam Metal, "Kewanee" Union), Pittsburg, Pa.
Nelson Valve Co. ("S. & B." Brass & Iron), Wyndmoor, Pa.
Ohio Brass Co. ("Ohio" Bronze), Mansfield, O.
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Patterson-Allen Engineering Co. ("Patterson-Allen," "Bull Dog," Self Cleaning), 2 Rector, New York
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Pittsburg Valve & Fittings Co. ("Pittsburg"), Pittsburg, Pa.
Powell, Wm. Co. ("U. S.," "Pilot," "Star"), 2629 Spring Grove av, Cincinnati, O.
Pratt & Cady Co., 556 Capitol, Hartford, Conn.
Queen City Brass & Iron Works ("Hesterberg," Brass & Iron Body), Spring Grove & Garrard avs, Cincinnati, O.
Rensselaer Mfg. Co., Troy, N. Y.
South Park Foundry & Machine Co. (For Water Mains), St. Paul, Minn.
STEIN, HENRY, 48 Cliff, New York, (See adv. index, end of book)
Stephens, Roe Mfg. Co. (Scott's High Pressure, etc.), 1072 McKinley av, Detroit, Mich.
STRONG, CARLISLE & HAMMOND Co., 336-344 Frankfort av, N. W., Cleveland, O. (See adv. index, end of book)
Thompson, J. & Co., Van Horn & Sophia, Phila., Pa.
Walch & Wyeth ("Erwood" Non-Return), Chicago, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.
Wood, R. D. & Co. (For Water, Gas, Oil & Steam), 400 Chestnut, Phila., Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Gate, for Water Mains)

Beaumont, Richard (Est. of), Kankakee, Ill.
Bourbon Copper & Brass Wks, 618 E Front, Cayuta Mfg. Co., Sayre, Pa. Cincinnati, O.
Chapman Valve Mfg. Co., Indian Orchard, Coldwell-Wilcox Co., Newburgh, N. Y. Mass.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co., Williamsport, Pa.
Drummond, M. J. & Co., 152 B'way, New York
Eddy Valve Co., Waterford, N. Y.
Kennedy Valve Co., Elmira, N. Y.
Ludlow Valve Mfg. Co., Troy, N. Y.
McLean, Jno., 440 Water, New York.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
MONARCH BELT MFG. CO., Warren, Mass. (See adv. index, end of book)
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Pittsburg Mfg. Co. ("Ludlow"), 28th & Railroad, Pittsburg, Pa.
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Smith, A. P. Mfg. Co., Newark, N. J.
Stephens, Roe Mfg. Co. ("Scott's" High Pressure, etc.), Detroit, Mich.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Generator)

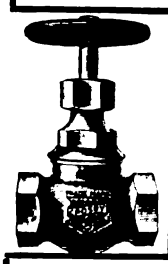
Lavigne Mfg. Co. (For Gasoline Engines Detroit, Mich.
LUNKENHEIMER CO. ("Nonpareil"), General offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Williams, D. T. Valve Co., 418 E 8th, Cincinnati, O.

Valves (Globe & Angle)

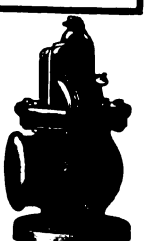
American Foundry & Mfg. Co., St. Louis, Mo.
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American Valve & Meter Co. (Brass), 1119 Gest, Cincinnati, O.
Bashlin Co., Warren, Pa.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Best Mfg. Co. ("Climax"), Pittsburg, Pa.
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Burlington Brass Works ("Kant Leak"), Burlington, Wis.
Chapman Valve Mfg. Co., Indian Orchard
Coldwell-Wilcox Co., Newburgh, N. Y. Mass.
Crane Co. (Est. 1855), 519 S Canal, Chicago Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE Co., 95 Oliver, Boston, Mass., & 16 Dey New York. (See adv. index & branch offices, end of book)
Detroit Brass Works, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J
Kynoo-Evans Mfg. Co. (Extra Heavy), 1519 Clearfield, Phila., Pa.
Fairbanks Co. ("Pratt-Cady"), 186 Lafayette New York
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Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton Bldg., Pittsburg, Pa.
GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)
Hancock Inspirator Co., The, 85 Liberty, New York
Hayden & Derby Mfg. Co. (Extra Heavy), 85 Liberty, New York
Haydenville Co., Haydenville, Mass.
Homer Brass Works, Inc., 231 Race, Phila., Pa.
Illinois Malleable Iron Co., 515 Diversey boul. Chicago, Ill.
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Jenkins Bros. (Brass & Iron Body), 71 John, New York
Kelly & Jones Co. (Brass & Iron), 135 Water, Pittsburg, Pa. Works, Greensburg, Pa.
Keystone Brass Co., Erie, Pa.
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Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.
Libby Valve & Packing Co. ("Big 4"), Niantic.
Locke Regulator Co., Salem, Mass. Conn.
Loetzer Valve & Mfg. Co. ("Loetzer Dual" Monroeton, Pa.
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McNab & Harlin Mfg. Co. (Brass & Iron Body), 56 John, New York, & Paterson, N. J.
Milwaukee Valve Co. ("M"), Milwaukee, Wis.
MONARCH VALVE MFG. CO., War-ren, Mass. (See adv. index, end of book)
National Tube Co. (High Duty & Steam Metal, "Kewanee" Union), Pittsburg, Pa.
Nelson Valve Co., Wyndmoor, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
Ohio Pump & Brass Co. (Gas), Columbus, O.
OIL WELL SUPPLY CO. (Brass & Iron), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Patterson-Allen Engineering Co. ("Ajax"), 2 Rector, New York
Perkes, Chas. (Est. of), 627 Arch, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
PITTSBURGH GAGE & SUPPLY CO. ("Clean Seat"), 30th and Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
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Pittsburg Valve & Fittings Co. ("Standard" Brass), Pittsburg, Pa.
Powell, Wm. Co. ("Crescent"), 2529 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works ("Hesterberg" Brass), Spring Grove & Garrard avs, Cincinnati, O.
Schutte & Koerting Co., 1251 N 12th, Phila., Springfield Brass Co., Springfield, O. Pa.
STEIN, HENRY, 48 Cliff, New York. (See adv. index, end of book)
Stephens, Roe Mfg. Co. ("Scott." "J. D."), Detroit, Mich.
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Thomas Brass & Iron Co., Waukegan, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Williams, D. T. Valve Co., Cincinnati, O.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

*Valves (Globe & Angle & Cross)

LUNKENHEIMER CO., General Of-fices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Valves (Greenhouse)

Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Glenn Mfg. Co. ("Globe"), St. Charles, Ill.

Valves (Gulland Tank)

Best Mfg. Co., Pittsburg, Pa.

Valves (High Pressure)

American Foundry & Const. Co. (Steam), Pittsburg, Pa.
Caskey Valve Co., 99 John, New York
Collins Mfg. Co., 612 Chestnut, Phila., Pa.
Eddy Valve Co., Waterford, N. Y.
Ford, Thos. P. Co. (Balance Ball Cock), 407 Broome, New York
Kennedy Valve Mfg. Co. (For Steam Service), Elmira, N. Y.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Stephens, Roe Mfg. Co., Detroit, Mich.
Wood, R. D. & Co., 400 Chestnut, Phila, Pa.
WOODS VALVE & MACHINE CO. ("Non-Leather"), Steubenville, O. (See adv. index, end of book)

Valves (Hopper)

Crampton-Farley Brass Co. ("Star"), Kansas City, Mo.
Edwardsville Brass Co., Edwardsville, Ill.
Savill, Thos. & Sons, 11th & Wood, Phila.,
Sawyer, W. H. & Son, Americus, Ga. Pa.

Valves (Hose)

American Foundry & Mfg. Co., St. Louis, Mo.
Elkhart Brass Mfg. Co. (Chicago Pattern), Elkhart, Ind.
Kennedy Valve Co., Elmira, N. Y.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Milwaukee Brass Mfg. Co. (For Fire Escape Stand Pipe), Milwaukee, Wis.
Nelson Valve Co., Wyndmoor, Pa.
Rensselaer Mfg. Co., Troy, N. Y.
Sherman, H. B. Mfg. Co., Battle Creek, Mich.
Stephens, Roe Mfg. Co., Detroit, Mich.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Hot & Cold Blast)

Hartman Co., 1231 N Front, Phila., Pa.

Valves (Hydraulic)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Best Mfg. Co. ("Climax"), Pittsburg, Pa.
Buckeye Iron & Brass Wks., Dayton, O.
Burroughs, Chas. Co., Newark, N. J.
Caskey Valve Co. (High Pressure), 99 John, New York
Chapman Valve Mfg. Co., Indian Orchard, Mass.
CONSOLIDATED SAFETY VALVE Co., 85 Liberty, New York
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Darling Pump & Mfg. Co., Williamsport, Pa.
Davidson, M. T. ("Davidson." Three-Way Balanced), 43 Keap, Brooklyn, N. Y.
Desper, H. A., Worcester, Mass.
Eastwood Wire Mfg. Co. ("Eastwood"), Belleville, N. J.
Eddy Valve Co., Waterford, N. Y.
ELMES, CHAS. F. ENGINEERING Works, cor Fulton & Sangamon, Chicago, Ill. (See adv. index, end of book)
Engberg's Electrical & Mechanical Works (Electro-Hydraulic, for Stand Pipes, etc.), St. Joseph, Mich.
FOSTER ENGINEERING CO. (Re-ducing & Relief), 119 Monroe, Newark, N. J. (See adv. index, end of book)
French Oil Mill Machinery Co., Piqua, O.
Homestead Valve Mfg. Co., Homestead, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
LAWRENCEVILLE BRONZE CO. (McGillwary"), 31st & Penn av, Pittsburg, Pa. (See adv. index, end of book)
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PITTSBURGH GAGE & SUPPLY CO. ("Clean Seat"), 30th & Liberty av, Pittsburgh Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co.), 26th & A. V. R'y, Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Rensselaer Mfg. Co., Troy, N. Y.
Robertson, Jno. & Co., 127 Water, Brooklyn, N. Y.
Schaeffer & Budenberg Mfg. Co. (Relief), 968 Kent av, Brooklyn, N. Y.
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Watson & McDaniel Co. ("Biggins," Hydraulic Stop Balance Rotating), 146 N 7th, Philadelphia, Pa.
Wood, R. D. & Co. (Operating Shern, etc.), 400 Chestnut, Phila, Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Hydraulic Operating)

Morgan Construction Co., Worcester, Mass.
WOODS VALVE & MACHINE CO. ("Non-Leather"), Steubenville, O. (See adv. index, end of book)

Valves (Hydraulic Pulpit)

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Wood, R. D & Co., 400 Chestnut, Phila., Pa.
WOODS VALVE & MACHINE CO. ("Non-Leather"), Steubenville, O. (See adv. dex, end of book)

Valves (Indicator)

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Weed, R. D. & Co., 400 Chestnut, Phila., Pa.

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Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.

Valves (Leather)

Detroit Leather Specialty Co., Detroit, Mich.
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Nott, W. S. Co., Minneapolis, Minn.
Page Belting Co., Concord, N. H.

Valves (Lever)

FOSTER ENGINEERING CO. (Balance), 119 Monroe, Newark, N. J. (See adv. index, end of book)
LUNKENHEIMER CO., ("Handy"), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Nelson Valve Co., Wyndmoor, Pa.

Valves (Lock)

Emory, P. P. Mfg. Co. (For Rag Engines), Springfield, Mass.
Hill, E., Jr. (Automobile, "Hill"), South Norwalk, Conn.

Valves (Locomotive)

American Steam Gauge & Valve Mfg. Co. (Pop, Plain & Muffled), 208 Camden, Boston, Mass.
Ashton Valve Co., 271 Franklin, Boston, Mass.
Bardo, L. J. Co. (Inc. ("B. O. Plug Blow-off"), 12th & Thompson, Phila., Pa.
Belfield, H. & Co. (Cylinder), 435 N Broad, Phila., Pa.
Best, W. N. American Calorific Co., 11 B'way, New York
Cadman, A. W. Mfg. Co. (Blow-Off), Pittsburg, Pa.
Coale Muffler & Safety Valve Co., Fidelity bldg, Baltimore, Md.
Consolidated Safety Valve Co., The ("Consolidated" Pop Safety; also with Muffler Attached), 85 Liberty, New York
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index, end of book)
Hammett, M. C. (Balanced Slide), Troy, N. Y.
Homestead Valve Mfg. Co. (Blow-Off), Homestead, Pa.
Kunkle, E. B. & Co. Fort Wayne, Ind.
Lonergan, J. E. & Co. ("Glace" Triple-Seat Check; also Safety Valves), 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Ohio Brass Co., Mansfield, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

*Valves (Motor)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th and A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Motorman's)

National Brake & Electric Co. ("National," Air for Electric Cars), Milwaukee, Wis.

Valves (Motor Tire)

Eastern Auto Appliance Co., Journal bldg, Boston, Mass.
Milwaukee Rubber Works Co., Cudahy, Wis.
Schrader's, A. Son (Inc.), 30 Rose, New York

Valves (Mud)

Golden-Anderson Valve Specialty Co. ("Golden"), Fulton bldg, Pittsburg, Pa.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Muffler)

Coale Muffler & Safety Valve Co., Fidelity bldg, Baltimore, Md.
Consolidated Safety Valve Co., The (Portable Muffler Pop Safety), 85 Liberty, New York
Lonergan, J. E. & Co., 211 Race, Phila., Pa.

Valves (Needle)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich. (See adv. index, end of book)

Valves (Non-Return)

Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburg, Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Stephens, Roe Mfg. Co., Detroit, Mich.

Valves (Organ)

Homer Brass Works, 231 Race, Phila., Pa.

Valves (Piston)

American Balance Valve Co. ("American" Semi-Plug), Jersey Shore, Pa.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Trethewey, Samuel & Co. (Ltd.), 47th & Plummer, Pittsburg, Pa.

Valves (Plug)

Cadman, A. W. Mfg. Co. (Split), Pittsburg, Pa.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg., Pittsburg, Pa.
Loetzer Valve & Mfg. Co. (Steam, Gas, Air, Oil & Ammonia), Monroeton, Pa.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Pop Safety)

Acton, Jno., 118 John, Brooklyn, N. Y.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashton Valve Co., 271 Franklin, Boston, Mass.
Buckeye Iron & Brass Works, Dayton, O.
Coale Muffler & Safety Valve Co., Fidelity bldg, Baltimore, Md.
Consolidated Safety Valve Co., The ("Consolidated"), 85 Liberty, New York
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Detroit Lubricator Co. (Low Pressure), Detroit, Mich.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Kunkle, E. B. & Co. ("Kunkle" Lock-Up), 817 Barr, Ft. Wayne, Ind.
Lonergan, J. E. & Co. ("Linde's" & U. S. Government, Marine & Stationery Boilers), 211 Race, Phila., Pa.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Michigan Lubricator Co. ("Michigan"), Detroit, Mich.
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Scott Valve Co., 221 Randolph, Chicago, Ill.
Stephens, Roe Mfg. Co., Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
U. S. Gauge Co., 67 Wall, New York
Walworth Mfg. Co., 132 Federal, Boston, Mass.

Valves (Power House)

Golden-Anderson Valve Specialty Co., Fulton bldg., Pittsburg, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Pressure Reducing)

Acton, John (Waterworks, Heavy Duty & Household Service, etc.), 118 John, Brooklyn, N. Y.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Atwood & Morrill ("XXth Century"), Salem, Mass.
Best Mfg. Co., Pittsburg, Pa.
Consolidated Engineering Co. ("Van Auken"), cor Jackson & Canal, Chicago, Ill.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Davis, Geo. M. Regulator Co. (Reducing Steam, Air & Water), 144 Milwaukee av, Chicago, Ill.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eynon-Evans Mfg. Co., 1519 Clearfield, Phila., Pa., & 107 Liberty, New York
Fisher Governor Co., Marshalltown, Ia.
Ford, Thos. P. Co. (Steam & Water), 407 Broome, New York
FOSTER ENGINEERING CO. (For High & Low Pressure), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg., Pittsburg, Pa.
Harlem Mfg. Co., 42 W 67th, N. Y.
Johnson Service Co. (Steam, Water, Air & Gas), Milwaukee, Wis.
Kielcy & Mueller, 34 W 12th, New York
Kitts Mfg. Co. (Water), Oswego, N. Y.
Knapp Bros. Mfg. Co. ("Knapp's" Automatic), 123 Franklin, Chicago, Ill.
Leslie Co. (Inc.), ("Leslie"), Lyndhurst N. J.
Locke Regulator Co. ("New Era" "Beats All"), Salem, Mass.
Lonergan, J. E. & Co. (Pressure), 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Mason Regulator Co., Boston, Mass.
Monash-Younker Co. (Steam), 203 S Canal, Chicago, Ill.
New Bedford Boiler & Machine Co., New Bedford, Mass
Ohio Brass Co. (All Bronze, Regulating for Steam), Mansfield, O.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th and A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Ross Valve Co., 6 Oakwood av, Troy, N. Y.
Schaeffer & Budenberg Mfg. Co. ("Simplex," "Farron"), 963 Kent av, Brooklyn, N. Y.
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Steam Appliance Co. ("Root"), Milwaukee, Wis.
Stephens-Roe Mfg. Co., Detroit, Mich.
STRONG, CARLISLE & HAMMOND Co. ("Squires"), 336-344 Frankfort av, N W, Cleveland, O. (See adv. index, end of book)
Waters Governor Co., Everett, Mass.
Watson & McDaniel Co. ("Watson," also "Watson" Spring Reducing, Low Pressure, Water & Atmospheric Reducing), 146 N 7th, Phila., Pa.

Valves (Pump)

(See also Valves, Rubber)

AMERICAN VULCANIZED FIBRE Co., Wilmington, Del. (See adv. index, end of book)
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)

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Athol Pump Co., Athol, Mass.
Berger Bros. Co., 231 Arch, Phila., Pa.
Black, W. B. Mfg. Co., New Philadelphia, O.
BOSTON BELTING CO. (Rubber), 260 Devonshire, Boston, Mass., & 100 Reade, New York (See adv. index, end of book)
Brandt, Randolph, 70 Cortlandt, New York
Buckeye Iron & Brass Works, Dayton, O.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (Fibre), Elsmere, Del. (See adv. index, end of book)
Evans, Joseph, 23 Crittenden, Newark, N. J.
Excelsior Valve Co., 108 Fulton, New York
Jenkins Bros., 71 John, New York
JOHNS-PRATT CO., THE ("Vulcabeston"). Hartford, Conn.
O'Crowley, J. J. ("O'Crowley" Patent Detachable), 45 Hudson, Jersey City, N. J.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PENNSYLVANIA RUBBER CO. ("Keystone," "Columbia," "Century," "Pennsylvania," Hard & Soft Rubber), Jeannette, Pa. (See adv. index & branch offices, end of book)
PHOENIX SPECIALTY MFG. CO., 148 Duane, New York. (See adv. index, end of book)
Pontiac Leather Specialty Co., Pontiac, Mich.
Power Specialty Co. (Armored), 111 B'way, New York
SAYEN, OSGOOD (Rubber), Arcade bldg, Phila, Pa. (See adv. index, end of book)
STRONG MACHINERY & SUPPLY CO. ("Strong's I. O. P." Oil Proof Pump Valves), 48 Franklin, New York. (See adv. index, end of book)
Ward & Upright Engineering Co. ("Kinghorn," Multiplex), 41 York, Brooklyn, N. Y.
WILMINGTON FIBRE SPECIALTY Co. (Hard Fibre), Wilmington, Del. (See adv. index, end of book)

*Valves (Quick-Opening)

GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)

Valves (Radiator)

Albany Steam Trap Co., 60 Church, Albany, N. Y.
American Valve Co., Coxsackie, N. Y.
American Radiator Co., 282 Michigan av, Chicago, Ill.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Bashlin Co., Warren, Pa.
Belfield, H. & Co. (Iron & Brass), 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Blake & Andros ("B. & A."), Boston, Mass.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
Capitol Brass Works ("Jenkins," "Disc," Male & Female), Detroit, Mich.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Crescent Brass & Pin Co., Detroit, Mich.
Darling Pump & Mfg. Co., Williamsport, Pa.
Detroit Brass Works, Detroit, Mich.
Detroit Heating & Lighting Co., Wight nr Leib, Detroit, Mich.
Detroit Lubricator Co. (Quick Opening & Interlocking Steam "Detroit"), Detroit, Mich.
Eastwood Wire Mfg. Co. ("Belleville"), Belleville, N. J.
Exeter Machine Works, Exeter, N. H.
Fairbanks Co. ("Pratt-Cady"), 186 Lafayette, New York
Gold Car Heating & Lighting Co., 17 Battery pl. New York
GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)
Gurney Heater Mfg. Co., 188 Franklin, Boston.
Haydenville Co., Haydenville, Mass. Mass.
Hoffman, B. Mfg. Co. ("Judge"), Milwaukee, Wis.
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Jenkins Bros., 71 John, N. Y.; 35 High, Boston, Mass.
Kelly & Jones Co. ("Universal"), 135 Water, Pittsburg, Pa.
Kennedy Valve Mfg. Co. (With Wood Wheels, etc.), Elmira, N. Y.
Lavigne Mfg. Co. (Packless Steam), Detroit.
Locke Regulator Co., Salem, Mass. Mich.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., 56 John, New York & Paterson, N. J.
Milwaukee Valve Co. ("M"), Milwaukee, Wis.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
National Steam Specialty Co., 230 E Wash'n, Chicago, Ill.
National Tube Co., Pittsburg, Pa.
Ohio Brass Co. ("Ohio" Wood Wheel), Mansfield, O.
Penn Engineering Co., 312 Cherry, Phila., Pa.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Powell, Wm. Co. ("Crescent"), 2529 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works ("Hesterberg"), Cincinnati, O.
Rensselaer Mfg. Co., Troy, N. Y.
Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
Smith, H. B. Co., 39 E Houston, New York
STEIN, HENRY, 46 Cliff, New York. (See adv. index, end of book)
Stephens, Roe Mfg. Co. ("Scott" "Chicago"), Detroit, Mich.
Syracuse Faucet & Valve Co., Syracuse, N. Y.
Thermograde Valve Co. (Heat Regulating), 294 Washington, Boston, Mass.
Utica Steam Gauge Co. ("Pedal" "Woods"), Frankfort, N. Y.
Walworth Mfg. Co., Boston, Mass.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

Valves (Radiator, Automatic Air)

(See Valves, Air)

Valves (Radiator, Back-Offset)

Ohio Brass Co. ("Ohio" Wood Wheel), Mansfield, O.

Valves (Radiator, Corner)

Bashlin Co., Warren, Pa.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
Capitol Brass Works ("Jenkins Disc," Male & Female), Detroit, Mich.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Eastwood Wire Mfg. Co. ("Belleville"), Belleville, N. J.
GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Milwaukee Valve Co. ("M"), Milwaukee, Wis.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
National Tube Co., Pittsburg, Pa.
Ohio Brass Co. ("Ohio" Wood Wheel), Mansfield, O.
Powell, Wm. Co., Cincinnati, O.
Queen City Brass & Iron W'ks, Cincinnati, O.
Stephens, Roe Mfg. Co. ("Scott"), Detroit.
Thermograde Valve Co. (Heat Regulating), 294 Washington, Boston, Mass.

Valves (Radiator, Hot Water)

American Radiator Co., 282 Michigan av, Chicago, Ill.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
Capitol Brass Works (Male & Female), Detroit, Mich.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

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The Gorton Quick Opening Steam Radiator Valve

One-third of a turn of the lever handle will open or close the valve.

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Chapman Valve Mfg. Co., Indian Orchard, Detroit Brass Works, Detroit, Mich. Mass.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Eastwood Wire Mfg. Co. ("Belleville"), Belleville, N. J.
Exeter Machine Co., Exeter, N. H., & 32 Oliver, Boston, Mass.
GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)
Lavigne Mfg. Co., Detroit, Mich.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Milwaukee Valve Co. ("M"), Milwaukee, Wis.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of National Tube Co., Pittsburg, Pa. book)
Ohio Brass Co. ("Ohio" Wood Wheel, "Mackay"), Mansfield, O.
Penn Engineering Co. 312 Cherry, Phila., Pa.
Queen City Brass & Iron Works, Cincinnati, O.
STEIN, HENRY, 48 Cliff, New York. (See adv. index, end of book)
Stephens, Roe Mfg. Co. ("Chicago" Quick Opening), Detroit, Mich.
Syracuse Faucet & Valve Co., Syracuse, N. Y.
Thermograde Valve Co. (Heat Regulating), 204 Washington, Boston, Mass.

*Valves (Radiator, Steam & Hot Water)

GORTON & LIDGERWOOD CO., 96 Liberty, New York, & Fisher bldg, Chicago, Ill. (See adv. index, end of book)

Valves (Regrinding)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR, 104 John, New York. (See adv. index end of book)
National Tube Co. (Angle, Globe, Check & Gate), Pittsburg, Pa.
Nelson Valve Co., Wyndmoor, Pa.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

Valves (Regulating)

(See Regulators, Pump)

Valves (Relief)

Acton, John (Atmospheric Exhaust, also Sensitive), 118 John, Brooklyn, N. Y.
All Metal Valve Co. (Automatic), 136 Liberty, New York
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
American Valve & Meter Co., Cincinnati, O.
Consolidated Safety Valve Co. ("Blackall" for Locomotives), 85 Liberty, New York
Crane Co. (Est. 1855) 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co. (Automatic), Bridgeport, Conn.
Davidson, M. T. ("Davidson" Automatic Exhaust for Condensing Engines), 43 Kean, Brooklyn, N. Y.
Davis, Geo M. Regulator Co. (Open Air), 144 Milwaukee av, Chicago, Ill.
FOSTER ENGINEERING CO., (Air, Water, Steam & Atmospheric), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Locke Regulator Co. (Or Vacuum Breaker), Salem, Mass.
LUNKENHEIMER CO., General Offices & Works, Cincinnati, O. (See adv. index & branch offices, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Ross Valve Mfg. Co. (For Water Mains), Troy, N. Y.
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
Sturgess Engineering Dept. of Ludlow Valve Mfg. Co. ("Sturgess" Automatic), Troy, N. Y.
Wood, R. D. & Co., 400 Chestnut, Phila., Pa.

Valves (Renewable Seat)

Albany Steam Trap Co., Albany, N. Y.
Bashlin Co., Warren, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co. (Also Disc), Belleville, N. J.
Libby Valve & Packing Co., Niantic, Conn.
LUNKENHEIMER CO. ("Renewo"). General Offices: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)

Valves (Reversing)

Gas Machinery Co. (Gas), Cleveland, O.
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Morgan Construction Co. (Air or Gas), Worcester, Mass.
Sterritt-Thomas Foundry Co. ("Sleman"), 32nd & Smallman, Pittsburg, Pa.
Wellman-Seaver-Morgan Co., (Forter, Water Sealed), Cleveland, O.

Valves (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Canfield, H. O. Co., Bridgeport, Conn.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
CROSBY STEAM GAGE & VALVE Co. ("Brandon"), 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
Elkhart Rubber Works, Elkhart, Ind.
Empire Rubber Mfg. Co., Trenton, N. J., & 60 Reade, New York
Excelsior Valve Co. ("Excelsior"), 106 Fulton, New York
Federal Rubber Co., Cudahy, Wis.
Goodrich, B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Johns-Pratt Co., Hartford, Conn.
Manhattan Rubber Mfg. Co., 18 Vesey, New York, & Passaic, N. J.
Mechanical Rubber Co., 43 Reade, New York.
Morgan & Wright (Inc.) (Marine, Pump, etc.), Detroit, Mich.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.) (Pump & Ball), 91 Chambers, New York
New York Rubber Co., 84 Reade, New York
Peerless Rubber Mfg. Co., 16 Warren, New York
PENNSYLVANIA RUBBER CO., ("Keystone," "Columbia," "Century," "Pennsylvania," etc.), Jeannette, Pa. (See adv. index & branch offices, end of book
Revere Rubber Co., 77 Bedford, Boston, Mass.
SAYEN, OSGOOD ("Johnson" Vulcanite), Arcade bldg, Phila., Pa. (See adv. index end of book)
Stokes, Jos. Rubber Co., Trenton, N. J.
STRONG MACHINERY & SUPPLY CO. ("Strong's" I. O. P. Oil Proof Pump Valves), 48 Franklin, New York. (See adv. index, end of book)
Thermoid Rubber Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., Jersey City, N. J.
Waterbury Rubber Mfg. Co., 75 Warren, New York
Western Rubber Works (Pump), Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.

Valves (Safety)

Am. Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Andrews Heating Co. ("Andrews" "Regurgitating"), 203 Hennepin av, Minneapolis, Minn.
Ashton Valve Co., 271 Franklin, Boston, Mass
Belfield, H. & Co. (Brass or Iron), 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Canton Brass Co., Canton, O.
Coale Muffler & Safety Valve Co., Baltimore, Md.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE CO., 96 Oliver, Boston, Mass.; 16 Dey, New York (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co. (Cross Safety), Belleville, N. J.
FOSTER ENGINEERING CO. (Automatic), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Haydenville Co. (Boiler), Haydenville, Mass.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Jenkins Bros., 71 John, New York
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
Kunkle, E. B. & Co., Fort Wayne, Ind.
Locke Regulator Co., Salem, Mass.
Lonergan, J. E. & Co. (Spring Loaded), 211 Race, Philadelphia, Pa.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co. (Brass Iron Body), 56 John, New York, & Paterson, N. J.
Michigan Lubricator Co. Detroit, Mich.
NATIONAL GAUGE CO. ("National"), 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
National Tube Co., Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Queen City Brass & Iron Works ("Hesterberg"), Spring Grove & Garrard avs, Cincinnati, O.
Safety Cylinder Valve Co., Mansfield, O.
Schaeffer & Budenberg Mfg. Co. ("National," etc.), 963 Kent av, Brooklyn, N. Y.
Simplex Mfg. Co. ("Simplex" Range & Roller), 90 West, New York
Stephens, Roe Mfg. Co. ("Orme," "Scott"), Detroit, Mich.
Springfield Brass Co., Springfield, O.
Thomas Brass & Iron Co., Waukegan, Ill.
Walworth Mfg. Co., 132 Federal, Boston, Mass.

*Valves (Screw Down Check)

LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)

Valves (Shower Bath)

Union Brass Works Co. ("Soderlund," Anti-scalding), Boston, Mass.

*Valves (Sight Feed)

LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

Valves (Snifting)

Consolidated Safety Valve Co., The ("Consolidated" for the Ends of Cylinders on Steam Engines & Locomotives), 85 Liberty, New York
CROSBY STEAM GAGE & VALVE Co. 97 Oliver, Boston, Mass. (See adv. index & branch offices, end of book)

*Valves (Special Designs)

LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

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Valves (Stand Pipe)

Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton Bldg., Pittsburg, Pa.
Simplex Valve & Meter Co. (Controlling Valves for Stand Pipes or Reservoirs), 112 N Broad, Phila., Pa.

Valves (Steam Air)

Chapman Valve Mfg. Co., Indian Orchard Mass
Kelly & Jones Co., 135 Water, Pittsburg, Pa
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book
Mackay Mfg. Co. ("Mackay" Automatic), 66 James, Newark, N. J.
Marsh, J. P. & Co., 224 Wash'n, Chicago, Ill.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
Nelson Valve Co., Wyndmoor, Pa.
Stephens, Roe Mfg. Co., Detroit, Mich.

Valves (Steam Feed)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book
Lufkin Foundry & Machine Co. ("Trout's") Lufkin, Tex

*Valves (Steel)

Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)

Valves (Stop)

Acton, John (Safety), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co., Albany, N. Y.
Belfield, H. & Co., 435 N Broad, Phila., Pa
Bordo, L. J. Co. (Inc.) ("Bordo", Locomotive), 12th & Thompson, Phila., Pa
Bourbon Copper & Brass Works, 618 E Front, Cincinnati, O.
Central Brass Mfg. Co. ("Cleveland" Compression Stop & Waste), Cleveland, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Coffin Valve Co., Norumbeg, Boston, Mass
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Crane Co. (Est. 1855) 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Davis, G. M. Regulator Co. (Auto), 144 Milwaukee av, Chicago, Ill
Eddy Valve Co., Waterford, N. Y.
Fairbanks Co., 186 Lafayette, New York.
FOSTER ENGINEERING CO. (Automatic Non-Return, etc.), 119 Monroe, Newark, N. J. (See adv. index, end of book)
French Oil Mill Machinery Co., Piqua, O.
GARDNER GOVERNOR CO., Quincy, Ill. (See adv. index, end of book)
Golden-Anderson Valve Specialty Co. (Automatic), Fulton Bldg., Pittsburg, Pa.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Ludlow Valve Mfg. Co., Troy, N. Y.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book
New Bedford Boiler & Machine Co. (Also Automatic Stop), New Bedford, Mass.
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book
Pratt & Cady Co., Hartford, Conn.
Rensselaer Mfg. Co., Troy, N. Y.
Schaeffer & Budenberg Mfg. Co. (Nickel-Seated Iron & Steel), 963 Kent av, Brooklyn, N.Y.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa
Stephens, Roe Mfg. Co., Detroit, Mich.
Thompson, J. & Co., c Van Horn & Sophia, Philadelphia, Pa
Uco Brass Mfg. Co. (& Waste), 2436 Brown, Phila., Pa.
Walworth Mfg. Co. (Automatic), Boston, Mass.
Whitcomb, Geo. D. Co. ("Whitcomb," For Copper & Other Mines), Rochelle, Ill.
Wood, R. D., & Co., 400 Chestnut, Phila., Pa
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Straightway)

(See Valves, Gate)

Valves (Syphon)

Lipp, Louis Co. ("Boss" Double), Mitchell av. & B. & O., S. W. R. R., Cincinnati, O.

Valves (Tank)

American Valve & Meter Co., Cincinnati, O.
Boston Brass Co., 36 Oliver, Boston, Mass.
Edwardsville Brass Co., Edwardsville, Ill.
Exeter Brass Works, Exeter, N. H.
FAIRBANKS, MORSE & CO. (Railroad, Flush & Float), Wabash av & Eldredge pl, Chicago, Ill. (See adv. index & branch offices, end of book)
Ford, Thomas P. Co. ("Ford" High Pressure), 407 Broome, New York
FOSTER ENGINEERING CO. (Steam & Water), 119 Monroe, Newark, N. J. (See adv. index, end of book)
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton Bldg., Pittsburg, Pa.
Nelson Valve Co., Wyndmoor, Pa.
Standard Brass & Iron Works (For Brewers, etc.), Milwaukee, Wis.
Waters Governor Co., Everett, Mass.

*Valves (Tanner Operating)

PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A V Ry, Pittsburgh, Pa. (See adv. index, end of book)

Valves (Thermostat)

Acheson Mfg. Co., Rankin, Pa.
Pittsburg Brass Mfg. Co. Penn av & 32d, Pittsburg, Pa.
Reckets & Co. ("Reliable" Gas), Dayton, O.
Standard Heater Co., Pittsburg, Pa.

Valves (Throttle)

Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
Detroit Lubricator Co. ("Detroit" "Pendry"), Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Hoffmann, B. Mfg. Co., Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Ide, A. L. & Sons ("Ideal"), Springfield, Ill.
LUNKENHEIMER CO. General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
McNab & Harlin Mfg. Co. (Brass & Iron Body), 56 John, New York, & Paterson, N. J.
MEAD-MORRISON MFG. CO. (Straightway & Balance), Cambridge, Boston, Mass. (See adv. index & branch offices, end of book)
Mesta Machine Co., Lewis bldg, Pittsburg, Pa.
Michigan Lubricator Co. ("Michigan" Quick Opening, Detroit, Mich.
MONARCH VALVE & MFG. CO., Warren, Mass. (See adv. index, end of book)
New Bedford Boiler & Machine Co., New Bedford, Mass.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co. ("Star," "U. S.," "Ready"), 2529 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works ("Hesterberg"), Cincinnati, O.
Reliance Engineering Co. (Hoisting Engine, etc.), Duluth, Minn.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Stephens, Roe Mfg. Co. ("Goldsmith"), Detroit, Mich.
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Tire)

Schrader's, A. Son (Inc.) ("Schrader" for Bicycles, Automobiles, etc.), 30 Rose, New York

Valves (Tubular Well)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Crane Co. (Est. 1855), 519 S. Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Mark Mfg. Co., Evanston, Ill.
National Tube Co., Pittsburg, Pa.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)

Valves (Tuyere)

Best Mfg. Co., Pittsburg, Pa.
LUNKENHEIMER CO., General Offices & Works: Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
PITTSBURGH GAGE & SUPPLY CO., 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
WOODS VALVE & MACHINE CO., Steubenville, O. (See adv. index, end of book)

Valves (Underwriters' Water Relief)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)

Valves (Universal)

Schrader's, A. Son, Inc. ("Schrader"), 30 Rose, New York

Valves (Vacuum, Automatic Air)

All Metal Valve Co., 136 Liberty, New York
Atwood & Morrill ("XX," "Century"), Salem, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Consolidated Engineering Co. ("Van Auken"), cor. Jackson & Canal, Chicago, Ill.
Klipfel Mfg. Co. ("K. & T."), 44 N Carpenter, Chicago, Ill.
Loetzer Valve Mfg. Co. (For Water Mains), Monroeton, Pa.
Monash-Younker Co. ("Perfected Duplex No. 7"), 201 S Canal, Chicago, Ill.
Schott Specialty Co. ("Duran," Automatic Vacuum Air Valve), American Trust bldg, Chicago, Ill.
Simonds Heating & Specialty Co. ("Simonds") Detroit, Mich.

Valves (Vault)

Meerhoff, Herman H. (For Outdoor Closets with Sewer Connections), Richmond, Ind.

*Valves (Vulcabeston)

JOHNS-PRATT CO., THE, Hartford, Conn.

Valves (Water Relief)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashton Valve Co., 271 Franklin, Boston, Mass.
Consolidate Safety Valve Co., The ("Consolidated" for Fire Pumps, Pumping Stations & Hydraulic Elevators, etc.), 85 Liberty, New York
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Davis, Geo. M. Regulator Co. (Also Semi-Balanced Seated), 144 Milwaukee av, Chicago, Ill.
Davis & Roesch Temperature Controlling Co., Newark, N. J.
D'Este, Julian Co., 24 Canal, Boston, Mass.
Fairbanks Co. ("Pratt-Cady"), 416 Broome, New York
Kunkle, E. B. & Co., Fort Wayne, Ind.
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Officer & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McMANN & TAYLOR, 104 John, New York (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Stephens, Roe Mfg. Co. ("Scott"), 1072 McKinley av, Detroit, Mich.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Watson & McDaniel Co., 144 N 7th, Phila., Pa.

Valves (Water Sealed)

Wellman-Seaver-Morgan Co. ("Forter"), Cleveland, O.

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Valves (Whistle)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO. (Electric), Foxboro, Mass. (See adv. index & branch offices, end of book)
Kelly & Jones Co., 135 Water, Pittsburg, Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
PITTSBURGH VALVE, FOUNDRY & Construction Co., 26th & A. V. R'y, Pittsburgh, Pa. (See adv. index, end of book)
Powell, Wm. Co., 2529 Spring Grove av, Cincinnati, O.
Queen City Brass & Iron Works, Cincinnati, O
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Thomas Brass & Iron Co., Waukegan, Ill.
Williams, D. T. Valve Co., 410 E 8th, Cincinnati, O.

*Valves & Bands (Water Pipe)

UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)

Vanadium

(See Ferro, Vanadium)

*Vanadium-Copper

LEAVITT, C. W. & CO., 30 Church, New York. (See adv. index, end of book)

Vanners (Frue)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
Chalmers & Williams, Commercial Natl. Bank bldg, Chicago, Ill.

Variable Speed Transmission

EVANS FRICTION CONE CO. ("Evans"), Newton Center, Mass. (See adv. index, end of book)
JAMES, D. & O. MFG. CO. (Speed Reducing Gears), 351 W Monroe, Chicago, Ill. (See adv. index, end of book)
Moore & White Co., 15th & Lehigh av., Phila., Pa.
R-W Variator Co., 149 Broadway, New York
Reeves Pulley Co., Columbus, Ind.
Speed Changing Pulley Co., Anderson, Ind.
Variable Speed Clutch Co. (Air Controlled), Milwaukee, Wis.

Variators

American District Steam Co. (Single & Double Expansion), Lockport, N. Y

Varnish (Armature & Field Coil)

(See Insulating Varnish)

Varnish Cloth

Imperial Varnish Works, Newark, N. J.

Varnish Gums

Anderson, Geo. & Co. (East India Gums), 100 William, New York
Bauer, Philip Co. (Damar Gum), 68 Broad, New York
Elmenhorst & Co., 90 Wall, New York
Gillespie, L. C., & Sons (Importers), 8 Fletcher, New York
Klipstein, A. & Co. (Also Varnish Colors), 122 Pearl, New York
Olivier & Co., 106 Greene, New York
Paterson, Boardman & Co., 19 Bridge, New York
Peabody, Henry W. & Co., 17 State, New York
Riebe, Edgar C. & Co. (Australian Kauri Gums & Oxide of Manganese Dryers), 97 Watren, New York
Scheel, Wm. H (Importer), 159 Maiden la, New York

Varnish Mfrs.

CALIFORNIA.

SAN FRANCISCO—Bass-Hueter Paint Co., 816 Mission
New Era Paint & Varnish Co., 20th & Minnesota
Tamm & Nolan Co., 151 Potrero av
Yates & Co., 762 Folsom

COLORADO.

DENVER—McMurtry Mfg. Co.

CONNECTICUT.

BRIDGEPORT—Crockett, D. B. Co.
Parrott Varnish Co., 453 N Wash av
EAST NORWALK—Vacuum Varnish & Chemical Co.
MIDDLETOWN—Smith, J. O. Mfg. Co.
NEW MILFORD—Bridgeport Wood Finishing Co.
NEW HAVEN—Booth & Law Varnish Co.
Copaline Mfg. Co. (for Oil Cloth)
STAMFORD—Celluloid Zapon Co. (Richards & Co., Prop.)
WATERBURY—Long Hill Varnish Works (Lewis W. Curtis, Prop.)

DELAWARE.

WILMINGTON—Bradford, James Co., 6 E 3d

ILLINOIS.

CHICAGO — American Varnish Co. (Railway Carriage & Cabinet), 315 N Branch
Armstrong Paint & Varnish Works, 1203 S Paulina
Atlantic Drier & Varnish Co., 40 Dearborn
Behlen, H. & Bro., 142 Monroe
Bereda Mfg. Co., 57 Illinois
Chicago Varnish Co., 855 Elston av
Chicago Wood Finishing Co., 259 Elston av
Crockett, David B. Co., 125 N Peoria
Crown Varnish & Enamel Co., 1181 N Seely
Day, James B., & Co., 245 E Illinois av
Elliott Varnish Co. ("Roof Leak"), 155 Fulton
Elmendorf Varnish Co., 38 Larrabee
Goldschmidt, Chas., 214 Illinois
Grace Varnish Co., 125 Larrabee
Graves, N. Z. & Co., 314 Fulton
Harrison Bros. & Co. (Inc.), 27 Lake
Illinois Varnish Co., 1509 N Lincoln
Martin, Senour Co., 2520 Quarry
Mather, John C., 6701 S. Morgan
Moller & Schumann Co., 52 W Washington
Nikolas, G. J. & Co., 400 W. Van Buren
Nubian Paint & Varnish Co., 971 N. 51st av.
Palmer Price Co., 324 W Madison
Ruge, Ferdinand C., 783 N Avers av
Standard Varnish Works (Railroad, Marine, House, etc.), 2620 Armour av.
Stewart, Mowry Co., 3218 Shields av
Sullivan Varnish Co., 11 Hart
Thurston, F. W. & Co., 1834 Clark
Tousey Varnish Co., 279 Dearborn
Unkefer, Geo. R., Co., 91 Dearborn
Vilas Bros., 227 5th av
Washburn, Thos. F., 14 Lister av
Watson, Geo. E. Co., 108 Lake
Wheeler-Clough Co., 377 Illinois
Wood-Shine Co., 279 Dearborn
SPRINGFIELD—Surrey Varnish Co.

INDIANA.

EVANSVILLE—Indiana Color & Varnish Co.
INDIANAPOLIS—Indianapolis Varnish Co., Lilly Varnish Co. Ohio c Pine
SOUTH BEND—O'Brien Varnish Co.
VALPARAISO—Parker, Chas. H. Co.

KENTUCKY.

LOUISVILLE—Louisville Varnish Co., Maple c 14th

LOUISIANA.

NEW ORLEANS—Union Varnish Co. (A. Riggs & Bro., Props.)

MAINE.

PORTLAND—Fuller, August P., Co.

MARYLAND.

BALTIMORE—Chesapeake Oil Co., Ostend & Stockholm
Macneal, Jas. B. & Co., Warner & Wooster
Popplein, G. & N., Jr., 220 North

MASSACHUSETTS.

BOSTON—Babcock, J. & Co., 86 Western av, Babcock Varnish Co., 60 Pearl Alls.
Burbank & Ryder Co., 62 Alford, Chas
Farrington, C. E., 177 High
GILMAN, CHAS. H., 103 Merrimac
King, E. & F. & Co., 171 Milk
Massachusetts Chemical Co., 170 Summer
Poorman, Warren M., 116 Broad
Stickney, J. W. & Co., 31 Milk
Tremont Paint & Varnish Co.
Wadsworth, Howland & Co. (Inc.), 82 Wash
Wiley, I. H. & Co., 69 Sudbury Bost
CHELSEA—Miller, Lyman M. (Estate of)
EVERETT—Boston Varnish Co.
MIDDLEBORO—Shaw, Geo. H.
SPRINGFIELD—Hampden Paint & Chemical Co
Wadsworth, Howland & Co.
WALPOLE—Massachusetts Chemical Co.

MICHIGAN.

DETROIT—Acme White Lead & Color Works c St. Aubin av & M. C. R. R.
Ambroid Lacker Co. (H. H. Baatz, Prop.) 215 Randolph
Berry Bros. (Ltd.), Leib & Wight
Detroit Varnish Co., 532 Milwaukee av.
Detroit White Lead Wks., 532 Milwaukee av
Jageman, F. J., 2316 East Grand boul
McLennan Paint Co., (Ltd.), 532 Milwaukee av.
McNamara Varnish Works, Clark av. & M. C. R. R.
Peninsular Paint & Varnish Co., St. Aubin & Clay avs.
Star Varnish Works, Whiting & M. C. R. R. Belt Line
Sunley Finish Color Co., 214 Cherry
FLINT—Flint Varnish Co.
PONTIAC—Price Varnish Co.

MINNESOTA.

ST. PAUL—Twin City Varnish Co.

MISSOURI.

KANSAS CITY—Continental Varnish & Color Co.
ST. LOUIS—American Insulating Material Mfg. Co., 9 S. 3d
Gregg Varnish Co., 813 N 3d
Hoffman Varnish Co., 2702 S Jefferson av
Pratt & Lambert, 1015 Lucas av
Robbins, A. Varnish Co., 1537 N 8th
Vane-Calvert Paint Co., 1601 N B'way
Wellpott, Chas. H. W. Varnish Wks., 1229 N B'way

NEW JERSEY.

CAMDEN—Graves, N. Z. Co.
Schrack, C. & Co.
GIBBSBORO—Lucas, John & Co.
HARRISON—Walker Chemical Works
HOBOKEN—Hotoff Varnish Co.
JERSEY CITY—Empire Paint & Varnish Co., 14th & Erie
Gillespie, Chas. H. & Sons, 125 Dey
New Jersey Paint Works (Louderbough Hy. Woolsey, C. A. Paint & Color Co. Props.)
NEWARK—Anglo-American Varnish Co., 31 Johnson
Armitage, Jno. L. & Co., Thomas & Davis
Beckwith-Chandler Co., 261 Emmett
Bigelow Varnish Co., 81 Oliver
Brooks, Clarence & Co., 249 Chestnut
Devoe, F. W. & C. T. Reynolds Co., 225 N.
Essex Varnish Co., 84 Vesey J. E. E. et
Flood & Conklin Co., 136 Chestnut
Huri Mfg. Co., 350 Ogden.
Imperial Varnish Works
Mitchell-Mallon Co.
Murphy Varnish Co.
Newark Varnish Works, Delancy c Adams
Palmer Price Co., 270 Chestnut
Rice, S. E. M. Filler Co., 21 Abel
Stiles, Charles H., 139 E. Kinney
PLAINFIELD—Price-Bond Woolston Co.

NEW YORK.

BINGHAMTON—Collier, H. C. & Sons
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Buffalo Enamel & Stain Co., D. S. Morgan Mgr.
Buffalo Oil, Paint & Varnish Co., 1317 Elk
Century Mfg. Co., 272 W. Genesee
Century Varnish Co., 272 W Genesee
Columbia Paint & Varnish Co., 12 Sanford
McDougal Varnish o., 1317 Elk
Mets, P. A., Paint Co., 769 Clinton
Pratt & Lambert, 79 Tonowanda
LONG ISLAND CITY—(See New York City, Borough of Queens)

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

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NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—American Varnish Works, 425 Greenpoint av
Bartels, Otto, Stewart av nr Randolph
Bohner's, Jos. Sons, 1093 Met. av
Booden's, P. Son, 243 N 9th
Brooklyn Varnish Mfg. Co., 35 Nostrand av
Federal Varnish Co., 295 G'point av
Hildreth Varnish Co., 77 N 12th
Keystone Varnish Co., 79 Otsego
King Paint Mfg. Co., 21 Dunham pl
Masury, John W. & Son, 50 Jay
Minett Varnish Co., 1046 Atlantic av
Moller & Schumann Co., Marcy & Flushing
Pierce, F. O. Co., 30 Tiffany pl avs
Travers Varnish Works, 81 Richardson
Valentine & Co., 364 Mhtn av
Wood & Shepard Varnish Co., 33 Wythe av

Boroughs of Manhattan & Bronx.

NEW YORK—Alden, Geo. A. & Co. (Importers), 290 B'way
Atlantic Drier & Varnish Co., 1 Madison av
Beckwith-Chandler Co., 5th av & 32d
Behlen, Herman & Bro., 371 Pearl
Billings, King & Co., 488 Pearl
Calman, Emil & Co., 100 William
Carter, Chas. W. H., 8 Ferry
Celluloid Zapon Co., 310 4th av
Congress Varnish Works, 239 Front
Devoe, F. W. & C. T. Reynolds Co., 101 Fulton
Egyptian Lacquer Mfg. Co., 152 Front
Excelsior Varnish Works, 261 B'way
Federal Varnish Co., 299 B'way
Feigel, M. & Bro., 80 Houston
Harland, Wm. & Son, 168 Centre
Hildreth Varnish Co., 90 West
Hoople & Nichols, 250 Front
Kasebier, E. & Co., 175 Pearl
Longman & Martinez, 207 Pearl
Louderback, A. E. (Importer), 118 Hudson
Mayer & Lowenstein, 164 Water
Maynz & Co. (Brewers' Varnish), 18 Water
Minett Varnish Co., 165 B'way
Mitchell-Mallon Co., 1648 B'way
Payson Varnish Co., 141 1st & Walnut av
Pierce, F. O. Co., 12 W B'way
Pomeroy & Fischer (Importers), 30 Frankfort
Reliance Varnish Works (S. S. Rosenbaum), Prop.), 382 Hudson
Rogers & Pyatt, 129 Front
Slee, J. Noah H., 42 B'way
Smith, Edw. & Co., 141 B'way
Standard Varnish Works (Railroad, Marine, House, etc.), 29 B'way
Stoeckel, Rudolph E., 2449 3d av
Thuebel, S. H., 180 Pearl
Tock Bros., 320 5th av
Valentine & Co., 257 B'way
Victorson Varnish Co., 100 William
Winn, Wm. R. (Oil), 143 Maiden lane
Zinsser, Wm. & Co., 197 William

Borough of Queens.

GLENDALE STATION—Lion Varnish Co.
LONG ISLAND CITY—Calman, Emil & Co.
Chase, Roberts & Co., c West av & 5th
Fenner, Geo. L., 8th & West
Mayer & Lowenstein, 164 Water
Liszka, Irma, Glendale, L. I.
Pratt & Lambert
Smith, Edw. & Co. (Inc.), West av
Thibaut, E. A. & Co., 72 9th
Varnisol Co.
Victorson Varnish Co., West End av c 4th

(End of New York City)

TROY—DeGolyer Varnish Co., 77 13th
UTICA—Central New York Varnish Co.

OHIO.

AKRON—Akron Varnish Co.
Vulcan Varnish Works
CANTON—Canton Paint & Varnish Co.
CINCINNATI—Ault & Wiborg Co. (Finishing Varnishes & Japans)
Becker, R. A. Varnish Co., Harrison av & Garrard
Bird Varnish Co., 3d & Main
Blackburn Varnish Co., Langdon & Floral
Cincinnati Color Co., 1910 W 8th avs
Cincinnati Varnish Co., Erie & South sts
Griffin Mfg. Co., 1263 Budd
Pfaff, Jno., Varnish & Stain Co., 1660 Central av
Queen City Varnish Co., Langdon av & Montg'y rd
United States Varnish Co., 2618 Colerain
Wolf, Herman & Co., 214 W Liberty
CLEVELAND—Billings-Chapin Co., 1163 E 40th, N. E.
Cleveland Varnish Co., 3111 E 87th, S. E.
Day Varnish & Dryer Co., 2394 Canal
Empire Varnish Co., 2638 E. 76th, S. E.
Excelsior Varnish Works, 1242 W 74th
Forest City Paint & Varnish Co., N. W.
Glidden Varnish Co.
National Paint & Varnish Co., 924 St. Clair av, N. W.
Ohio Varnish Co. ("Chi-Namel"), 3604 Kinsman rd, S. E.
Patterson-Sargent Co. ("Nisoron"), 1304 E 38th
Peerless Paint & Varnish Co., 1039 W 11th
Sherwin-Williams Co.
Star Varnish Co., 1211 W 65th, N. W.
Western Reserve Varnish Co., Marquette c Lake
COLUMBUS—Columbus Varnish Co., 357 Cozzens
DAYTON—Kay & Ess Co.
Thresher Varnish Co.
Tower Varnish & Dryer Co.
FINDLAY—Ohio Paint & Varnish Co.
TOLEDO—Buckeye Paint & Varnish Co.
Royal Varnish Co.
Toledo Varnish Co., 128 Summit

PENNSYLVANIA.

ALLEGHENY—Eagle Paint & Varnish Co.
National Lead & Oil Co. of Penna., 2d Thompson & Co. National Bk Bldg
BENNETT—Ball Chemical Co.
HANOVER—Acme Extract & Chemical Works (E. G. Eckert, Prop.)
JAMESTOWN—Jamestown Paint & Varnish Co.
LANCASTER—Lancaster Paint & Glass Co. (Shellac)
NORRISTOWN—Norristown Varnish Co.
PHILADELPHIA—Adams, Thos. J. & Co., 3605 N 4th
Atlantic Drier & Varnish Co., Meadow & Wolf
Denny, Hilborn & Rosenbach, 305 Florist
Coyne Bros. Varnish Co., N 2d c Pike
Felton, Sibley & Co., 136 N 4th
FRENCH, SAMUEL H. & CO., 4th & Callowhill. (See adv. index, end of book)
Graves, N. Z. Co., 3200 S Broad
Harrison Bros. & Co., 35th c Gray's Ferry rd
Howell, C. H. & Co., 212 Race
Lawrence-McFadden Co., 1400 Fkd. av
Lucas, John & Co., 322 Race
McCloskey, L. J. & Co., S 30th c Locust
Nice, Eugene E. ("Nice"), 272 S Second
Phoenix Paint & Varnish Co., 124 Market
Phila. Varnish Co. (Inc.), 1601 Spring Garden
Rambo, Theo. G., 961 N 2d
Rau, Conrad F., 2821 Garden av
Schrack, C. & Co., 152 N 4th
Shoemaker, Robt. & Co., 4th & Race
THOMSON WOOD FINISHING CO., 115 N 4th. (See adv. index, end of book)
Wocher, H. M. & Son, 1218 W College av
Woodhouse, Samuel F. ("Dull Eine"), Unity & Franklin
PITTSBURG—Globe Varnish Mfg. Co., 61st & Butler
Iron City Oil & Varnish Co., Inwood & Frankstown av
Lawrence, W. W. & Co., W Carson nr Point Bridge
McClintock & Irvine Co., Neville & P R R
NEVIN, S. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
Pittsburg Varnish Co., 2640 Liberty av
Sterling Varnish Co., Fulton bldg
READING—Ruth, B. F. & Co.
Wilhelm, A. Co.
TULLYTOWN—Tulley Paint & Varnish Co.

RHODE ISLAND.

PROVIDENCE—**U. S. GUTTA PERCHA** Paint Co., 12-30 Dudley. (See adv. index, end of book)

VIRGINIA.

RICHMOND—Atlantic Varnish Works.

WASHINGTON.

SEATTLE—Seattle Paint Co., 309 1st av.

Varnish Removers

(See Paint & Varnish Removers)

Varnish Renovator

Aquart, A. D. (Cleaning & Polishing), Chemical bldg, St. Louis, Mo.

Varnishes (Asphaltum)

Akron Varnish Co., Akron, O.
Allentown Mfg. Co., Allentown, Pa.
Atlantic Drier & Varnish Co., Drexel bldg, Phila., Pa.
Armitage Mfg. Co., Richmond, Va.
Canton Paint & Varnish Co., Canton, O.
Chicago Varnish Co. (Black), 855 Elston av, Chicago, Ill.
Cromwell-Walker Co. (Black), Harrison, N. J.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Eagle Paint & Varnish Co., Allegheny, Pa.
Forest City Paint & Varnish Co., Cleveland, O.
Fort Pitt Oil & Paint Co., Pittsburg, Pa.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Harrison Bros. & Co. (Inc.), 35th c Gray's Ferry rd, Phila., Pa., & 117 Fulton, New York
Hommel, O. Co., Pittsburg, Pa.
INDIAN REFINING CO. (Black), Cincinnati, O. (See adv. index, end of book)
Kay & Ess Co., Dayton, O.
Lucas, Jno. & Co., 322 Race, Phila., Pa.
McClintock & Irvine Co., Pittsburg, Pa.
McCloskey, L. J. & Co., 30th & Locust, Phila., Pa.
Macneal, Jas. B. & Co., Baltimore, Md.
NEVIN, S. H. CO., North Side, Pittsburg, Pa. (See adv. index, end of book)
O'Brien Varnish Co., South Bend, Ind.
Parker, Chas. H. Co. (Baking & Air Drying), Valparaiso, Ind.
Sherwin-Williams Co., Cleveland, O.
Smith, Edw. & Co. ("Black"), 141 B'way, New York
Standard Varnish Works, 29 B'way, New York
Stickney, J. W. & Co., 31 Milk, Boston, Mass.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
Walker Chemical Works, Harrison, N. J.
Warren Bros. Co., 93 Federal, Boston, Mass.
Wilhelm, A. Co., Reading, Pa.

Varnishes (Automobile)

(See Varnishes, Railway & Carriage)

Varnishes (Cotton Tie)

McClintock & Irvine Co., Pittsburg, Pa.

Varnishes (Marine)

Berry Bros. (Limited), Main Office & Works, Detroit, Mich.
Canton Paint & Varnish Co., Canton, O.
Chicago Varnish Co., 855 Elston av, Chicago, Ill.
Devoe, F. W. & C. T. Reynolds, 101 Fulton, New York
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Kuhls, H. B. Fred ("Elastic" Deck Varnish), 719 3rd av, Brooklyn, N. Y.
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McCloskey, L. J. & Co., 30th & Locust, Phila., Pa.
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Standard Varnish Works, 29 B'way, New York.
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Valentine & Co., 257 B'way, New York.
Winn, Wm. R. (Spar, etc.), 143 Maiden Lane, New York

Varnishes (Railway & Carriage)

American Varnish Co., 315 N Branch, Chicago, Ill.
Babcock, John & Co., 86 Western av, Alls., Boston, Mass.
Beckwith-Chandler Co., Newark, N. J.
Berry Bros. (Limited), Main Office & Works, Detroit, Mich.
Flint Varnish Co., Flint, Mich.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Lucas, John & Co., 322 Race, Phila., Pa.
Martin-Senour Mfg. Co., 2514 Quarry, Chicago, Ill.
Murphy Varnish Co., Newark, N. J.
Sherwin-Williams Co., Cleveland, O.
Smith, Edw. & Co., 141 B'way, New York
Standard Varnish Works, 29 B'way, New York.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
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Barrett Mfg. Co., Land Title bldg, Phila., Pa.; 17 Battery pl., New York.
Canton Paint & Varnish Co., Canton, O.
Chattanooga Roof & Paving Co., Chattanooga, Tenn.
Chicago Wood Finishing Co., 259 Elston av, Chicago, Ill.
Densmore-Stabler Refining Co., Los Angeles, Cal.
DOGGETT, STANLEY, 101 Beekman, New York. (See adv. index, end of book)
Ford Mfg. Co., 109 W. Wash'n, Chicago, Ill.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Globe Asphalt Co., Bakewell bldg, Pittsburg, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Smith, Edw. & Co., 141 B'way, New York
Southern Refining Co., Los Angeles, Cal.
Southern Roofing Co., Atlanta, Ga.
THOMSON WOOD FINISHING CO., 115 N 4th, Phila., Pa. (See adv. index, end of book)
Trinidad Asphalt Mfg. Co. ("The Epure"), 320 S 21st, St. Louis, Mo.

Vats (Cypress)

Bushnell Tank Works, Bushnell, Ill.
Cypress Lumber Co., 88 Broad, Boston, Mass., & Apalachicola, Fla.

Vats (Die)

Casey-Hedges Co., Chattanooga, Tenn.

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HALL'S SAFE CO., Main Office & Factory, 3253 Spring Grove av, Cincinnati, O. (See adv. index, end of book)

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(See Bank & Office Fixtures, Metallic)

Vault & Sidewalk Lights (Plain & Prismatic)

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AMERICAN LUXFER PRISM CO., General Office & Factory, Heyworth bldg, cor Wabash av & Madison, Chicago, Ill.; 507 W B'way, New York. (See adv. index & branch offices, end of book)
AMERICAN MASON SAFETY TREAD Co., 702 Old South Bldg., Boston, Mass. (See adv. index & branch offices, end of book)
AMERICAN 3-WAY PRISM CO. (3-Way Prisms), 134 N 10th, Phila., Pa. (See adv. index & branch offices, end of book)
Barnum, E. T. Wire & Iron Works, 82 Washington av, Detroit, Mich.
Bartlett, Haywood & Co., Baltimore, Md.
BERGER MFG. CO., THE ("Berger Radiant"), Canton, O. (See adv. index & branch offices, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Brooklyn Vault Light Co. (Plain & Prismatic), Norman av & Henry, Brooklyn, N. Y.
BROOKS, T. H. & CO., Cleveland, O. (See adv. index, end of book)
Brown Bros. Mfg. Co., 22d & Campbell av, Chicago, Ill.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Bruner, P. M. Granitoid Co., 904 Olive, St Louis, Mo.
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CHAMPION IRON CO., Kenton, O. (See adv. index, end of book)
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Chesapeake Iron Works, Baltimore, Md.
CHICAGO SIDEWALK LIGHT CO. (Mgrs.), 103 Reaper Block, Chicago, Ill. (See adv. index, end of book)
Christopher & Simpson Arch'l Iron & Foundry Co, 811 Park av, St. Louis, Mo.
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
Cornell, J. B. & J. M. Co. (Mfrs.), 26th & 11th av, New York.
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Crown Iron Works Co., Minneapolis, Minn.
Dauchy Iron Works, 88 Illinois, Chicago, Ill.
Dauphin, Wm., 131 W 33d, New York
Donovan Wire & Iron Co., Toledo, O.
Ernst's, Chas. F. Sons, 65 Lathrop, Buffalo.
Fletcher & Crowell Co., Portland, Me. N. Y.
Grossman Bros. & Rosenbaum, Willow av & 133d, New York
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Hetherington & Berner Co., Indianapolis, Ind.
Heughes, F. L. 190 South av, Rochester, N. Y.
Jackson, P. H. & Co., San Francisco, Cal.
Jacobs Company (Successors to Jacobs & Son), 562 W 34th, New York
Kleinschnitz, K. & Co., 61 Noble, Brooklyn
Love Bros. (Inc.), Aurora, Ill. N. Y.
Lucas, A. & Sons (Plain & Prismatic), Peoria Ill
McGuigan, Jno. & Co., San Francisco, Cal.
Madison Foundry Co., Cleveland, O.
Mark, Jacob Sons (Mfr.), 1233 2nd av, New York
Megquier & Jones Co., Portland, Me.
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
Mesker, Geo. L. Co., Evansville, Ind.
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MORE LIGHT SIDEWALK CON-struction Co., 29th st, Wheeling, W. Va. (See adv. index, end of book)
NEW YORK GLASS CO., 346 B'way, New York
NEW YORK PRISM CO., 407 W. B'way, New York. (See adv. index, end of book)
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Pacific Iron Works, Portland, Ore.
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Ransome & Smith Co., 11 B'way, New York
Richards & Kelly Mfg. Co. (Mfrs.), 389 23d, Chicago, Ill.
RIESECK, P., c Allegheny av & Rebecca, Allegheny, Pa. (See adv. index, end of book)
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ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn. (See adv index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av, Cincinnati, O. (See adv. index & branch offices, end of book)
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Smith's, Albert Sons, Newark, N. J.
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STANDARD CO., Railway Exchange bldg., Chicago, Ill. (See adv. index, end of book)
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Taylor, E. R. & Co. ("Bar-Lock" System), Boston, Mass.
Toledo Wire & Iron Works, Toledo, O. York
Tucker & Vinton (Inc.), (Steel Concrete), 103 Park av, New York
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Union Building & Cons. Co., Passaic, N. J.
Union Iron & Foundry Co., St. Louis, Mo.
VAN DORN IRON WORKS CO., 2685 N 79th, Cleveland, O. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
Wallace Machine & Foundry Co., Lafayette
Ward, Wm. E. & Co., Cincinnati, O. Ind.
West Side Structural Co., Troy, N. Y.
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv index, end of book)

Vehicles (Children's)

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Meinecke, Adolph & Son (Go-Carts), ft of Mason, Milwaukee, Wis.

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Astoria Veneer Mills, Long Island City, N. Y.
Beach & Fuller Co., Evansville, Ind.
Beeson, Fred (Importer), 212 W Fulton, C cago, I
Boyd, C. C. & Co., Glenn bldg, Cincinnati, O.
Burton Veneer Co., Montgomery, Ala.
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Colby-Hinkle Co., Benton Harbor, Mich.
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Diamond Veneer Co., Edinburg, Ind.
Dwight Lumber Co., Rouge River & M C R, Detroit, Mic
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Gorham Bros. Co., Mount Pleasant, Mich.
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Grand Rapids Veneer Works (& Panels), Gran Rapids, Mich
Great Lakes Veneer Co., Munsing, Mich.
Hall, Fessenden (Mahogany Lumber & Ve neers), 218 S 2d, Phila., Pa.
Hermansville Veneer Co., Hermansville, Mich.
Hoffman Bros. Co., Fort Wayne, Ind.
Holden, H. S. Veneer Co., Grand Rapids.
Hood & Wright, Big Rapids, Mich. Mich.
Indiana Veneer & Lumber Co. (Quartered Oak Sawed & Sliced), 1101 E 23d, Indianapolis, Ind.
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Kentucky Veneer Works (Quartered, Sawed Oak Veneer), 13th & Magnolia, Louisville, Ky.
King, C. L. & Co., Holland, Mich.
Louisville Veneer Mills, 948 Fulton, Louisville, Ky.
McLeod, H. R., Baton Rouge, La.
Maley, Thompson & Moffett, 8th & McLean av, Cincinnati, O.
Mancelona Hoop Co., Manchester, Mich
Markley & Miller, 406 W Lake, Chicago, Ill.
Mengel, C. C. & Bro. Co., Louisville, Ky.
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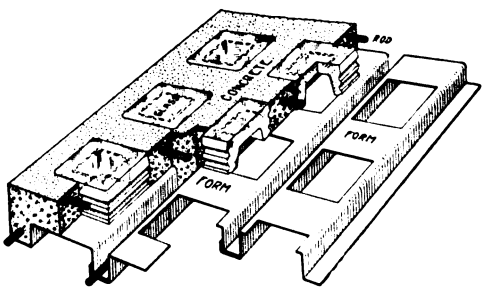
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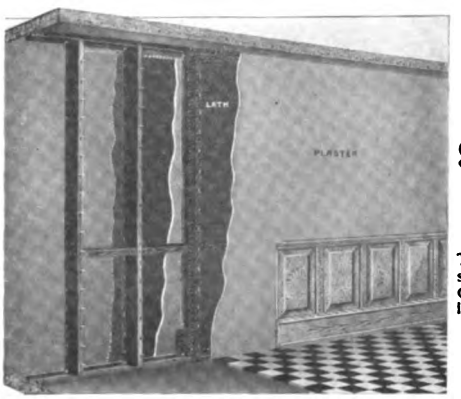
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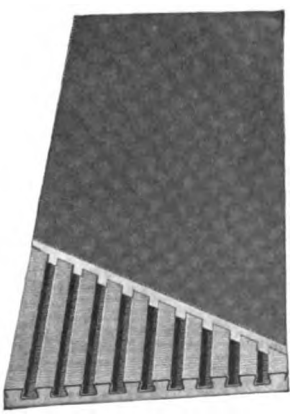
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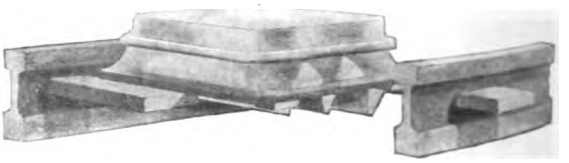
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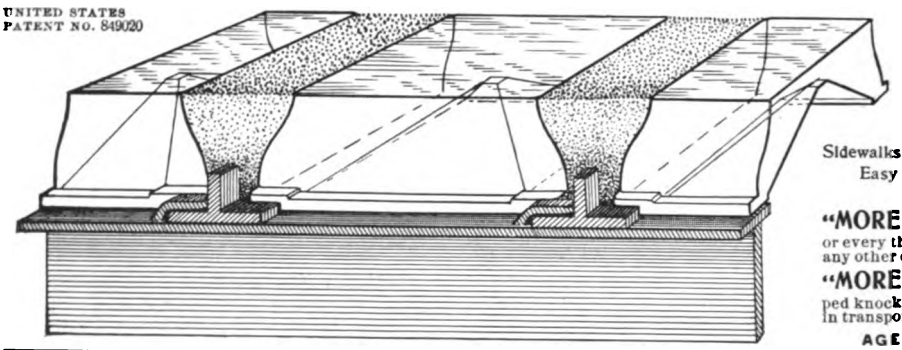
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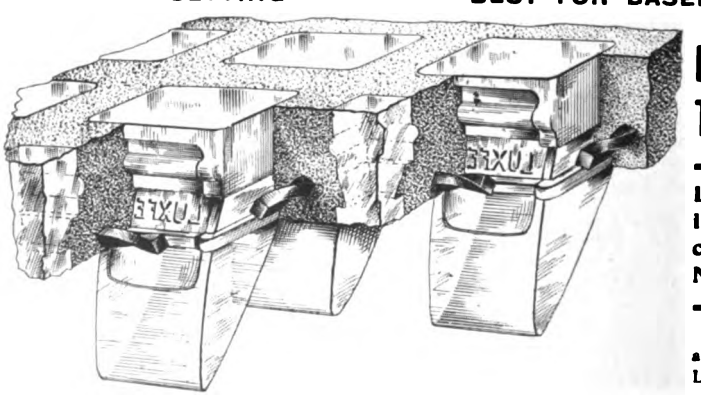
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Thomas Bldg. CINCINNATI	342 E. Washington INDIANAPOLIS	1002 Carleton Bldg. ST. LOUIS	Ryan Bldg. ST. PAUL	608 Chestnut St. PHILADELPHIA

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Uptegrove & Beckwith, 465 E 10th, New York
Vosenack Lumber & Veneer Co., Long Island City, N. Y.
Walker, J. C. & Sons, Alpena, Mich.
Webb, David R., Edinburg, Ind.
Willey, C. L., 1225 Robey, Chicago, Ill.
Williams, Ichabod T. & Sons, 338 Wabash av, Chicago, Ill.
Winterville Veneer Co., Winterville, Me.
Wisconsin Veneer Co., Rhinelander, Wis.
Wishler, C. F., Hillsboro, O.

Veneer Seating

Ahnapee Veneer & Seating Co., Algoma, Wis.
Eggers, Fred Veneer Seating Co., Two Rivers, Wis.
Frost Veneer Seating Co., Sheboygan, Wis., & 208 Canal, New York
McKibben, G. N. Mfg. Co. (Also Panels, etc.), So. Norwalk, Conn.
Woodman, Joel H., Hoboken, N. J.

Veneer Ties

(See Wall Ties)

*Veneers (Flexible)

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)

BEAVER BOARD
The Modern Wall & Ceiling Material
Takes Place of Both Lath and Plaster

*Veneers (Quartered Sawed Oak)

WOOD MOSAIC FLOORING & LUMber Co.; Office & Factory: Rochester, N. Y. (See adv. index & branch offices, end of book)

*Ventilating Apparatus ("Blackman")

HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)

Ventilating Apparatus for Power Plants, Factories, Buildings, Greenhouses, Etc.

(See also Blowers & Manufacturers; also Fans, Various Kinds)

BELL PURE AIR & COOLING CO. ("Bell" Ventilating & Humidifying System), 90 West, New York
Carmody, J. D. (Automatic), Evansville, Ind.
Dearborn Hardware Mfg. Co. ("Triumph" Roller Bearing), 1344 Carroll av, Chicago, Ill.
Devlin, Thos. Mfg. Co. (Self-Locking for Factories, Buildings, etc.), 3d & Lehigh av, Phila., Pa
DROUVE, G. CO., 40 Tulip, Bridgeport, Conn., & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)
Enterprise Mfg. Co. (Automatic), Newburgh, N. Y.
Hitchings & Co., 1170 B'way, New York
Lord & Burnham Co., 1133 B'way, New York, & Tremont bldg., Boston, Mass.
Lupton's, David Sons Co. ("Pond"), Allegheny av & Tulip, Phila., Pa.
Quaker City Machine Co. (Evans' Roller Bearing), Richmond, Ind.
Thorn, J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.

Ventilating Apparatus (Mechanical)

(See Fans, Exhaust & Ventilating; also Blower Manufacturers)

Ventilating Apparatus (Ship)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 24 Binford, Boston, Mass
BELL PURE AIR & COOLING CO., 90 West, New York
HOWARD & MORSE ("Blackman"), 45 Fulton, New York. (See adv. facing first page, Index of Contents)

*Ventilating & Humidifying Systems

BELL PURE AIR & COOLING CO., 90 West, New York

Ventilator Mfrs.

AMERICAN ROLLING MILL CO. ("American"), Middletown, O. (See adv. index, end of book)
Autoforce Ventilating System ("Autoforce"), 58 Devonshire, Boston, Mass.
Automatic Ventilating Co. ("Automatic"), 120 Liberty, New York
BADGER, E. B. & SONS CO., 63 Pitts, Boston, Mass. (See adv. index, end of book)
Berger Bros. Co. ("Perfection"), 231 Arch, Phila., Pa.
BERGER MFG. CO., THE ("Buckeye & World"). Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
Buckeye Mfg. Co., Canton, O.
Burt Mfg. Co. ("Burt"), Akron, Ohio.
Caldwell Mfg. Co. ("Caldwell" Window), Rochester, N. Y.
Calvert & Halloway (Nash), 68 N 2d, Phila., Pa.
Cambridge Roofing Co. (Eureka), Cambridge, O.
Canton Art Metal Co., Canton, O.
CANTON MFG. CO. ("Canton"), Canton, O. (See adv. index, end of book)
CLASON ARCHITECTURAL METAL Works (Revolving), 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Cushing, D. & Co., Lowell, Mass.
Downman-Dozier Mfg. Co. (Dixie), Atlanta, Ga.
DROUVE, G. CO. ("Drouve"), 40 Tulip, Bridgeport, Conn., & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)
EDWARDS MFG. CO., (Building & Skylight), 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Ekstrom, J. P. ("Ekstrom" Kitchen Chimney) Boyne City, Mich.
Eller Mfg. Co., Canton, O.
Ellis-Ford Mfg. Co. (Water Closet Ventilator), Detroit, Mich.

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(Patented and Trade Mark)
REG. IN U. S. PAT. OFFICE
IN
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SMOKY CHIMNEYS CURED
SYMMETRICAL IN APPEARANCE
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AND ABSOLUTELY STORM PROOF
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Fenn, Geo. E. ("Fenn's Rotary"), 94 Blackstone, Boston, Mass.
Friederichs & Wolfrum (Iron), 107 Gratiot av, Detroit, Mich.
FRIEDLEY-VOSHARDT CO. (Inc.) ("Crescent"), 194 Mather, Chicago, Ill. (See adv. index, end of book)
GLOBE VENTILATOR CO. ("Globe"), Troy, N. Y. (See adv. index, end of book)
Hall & Carpenter ("Buckeye & Moore"), 518 Race, Phila., Pa.
Helmet Ventilator Co., Portland, Me.
Hewitt, Thos. J. (Rotary Screw), 51 Dey, New York
Hoffman & Baur ("Columbia"), 279 Blake, Milwaukee, Wis.
Independent Register & Mfg. Co., Cleveland, O.
Indianapolis Corrugating Co. ("Peerless"), Indianapolis, Ind.
International Ventilator & Deflector Co. (House), Portsmouth, Va.
Iona Ventilator Co. ("Iona"), 2545 Penna av, Phila., Pa.
Jersey City Galvanizing Co., 112 John, New York, & Jersey City, N. J.
Keichler Mfg. Co., Cincinnati, O.
Lee, Thos. ("Common Sense"), 132 W 2d, Cincinnati, O.
Lorain Sheet Metal & Cornice Co. ("Imperial"), Lorain, Ohio
Luerkenbach, A. T. ("Cyclone," Water Closet), Neenah, Wis.
Mack, W. A. & Co., Lowell, Mass.
MERCHANT & EVANS CO. (Inc.) ("Star"), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Metallic Mfg. Co. (Metallic), 110 Erie, Camden, N. J.
Meurer Bros. Co. ("Anchor"), 571 Flushing av, Brooklyn, N. Y.
Middletown Mfg. Co. ("Miami"), Middletown, Ohio
MILWAUKEE CORRUGATING CO., ("Milwaukee"), Milwaukee, Wis. (See adv. index & branch offices, end of book)
National Ventilating Co. ("National," "Mobile," "Victor," "Climax" & "Reliance"), 1 Madison av, New York
New England Steel Roofing Co., Worcester, Mass.
Ohio Blower Co. ("Swartout" Gravity Closing), Cleveland, O.
Protective Ventilator Co., 129 Fulton, New York
Riter Bros. & Co. ("Earle's"), 1022 Race, Phila., Pa.
Royal Ventilator & Mfg. Co. ("Royal"), 415 Locust, Phila., Pa.
Schuesseler, Jno., 717 Craig, Covington, Ky.
Vacuum Ventilator Co. (Vacuum), 6 Beacon, Boston, Mass.
Washburne, Edw. G. (Rotary Screw), 46 Cortlandt, New York
Webb, E. & Son, 43 S Water, Phila., Pa.

*Ventilator Wheels

HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)

Ventilator & Skylight Combined

Burt Mfg. Co., Akron, O.
Kanneberg Roofing & Ceiling Co., Canton, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
National Ventilating Co., 1 Madison av, New York

*Ventilators ("Badger's" Patent)

BADGER, E. B. & SONS CO., 63 Pitts, Boston, Mass. (See adv. index, end of book)

Ventilators (Brick Wall)

National Ventilating Co., 1 Madison av, New York
Pullman Automatic Ventilator Mfg. Co., York, Pa., & 180 B'way, New York
Tuttle & Bailey Mfg. Co., 83 Beekman, New York

Ventilators (Car)

Autoforce Ventilating System ("Autoforce"), 53 Devonshire, Boston, Mass.
Automatic Ventilator Co., 120 Liberty, New York
Creamer, W. G. & Co., 96 John, New York
Enterprise Mfg. Co. ("Chadborn's" Automatic Ventilator & Heat Control), Newburgh, N. Y.
GLOBE VENTILATOR CO. ("Globe"), Troy, N. Y. (See adv. index, end of book)
Indianapolis Steel Roofing & Corrugating Co., Indianapolis, Ind.
MERCHANT & EVANS CO. (Inc.) ("Star"), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
National Ventilating Co., 1 Madison av, New York
Perry Ventilator Co., New Bedford, Mass.
Pullman Automatic Ventilator Mfg. Co. (Also for Depots, Offices, etc.), York, Pa., & 180 B'way, New York
Royal Ventilator & Mfg. Co. ("Royal"), 415 Locust, Phila., Pa.
Safety Car Heating & Lighting Co., 2 Rector, New York

Ventilators (Closet)

Miller Foundry & Specialty Co., North Tonawanda, N. Y.
Peerless Ventilator Co. (Closet Bowl), Prudential Bldg., Buffalo, N. Y.
Pullman Automatic Ventilating Mfg. Co., York, Pa., & 180 B'way, New York
NATURAL AUTOFORCE VENTILATOR Co. ("Autoforce"), 53 Devonshire, Boston, Mass. (See adv. index, end of book)
Sanitary Appliance Co. ("Cyclone"), Neenah, Wis.
Scully, W. J. Ventilator & Mfg. Co. ("Puritus"), Detroit, Mich.

Ventilators (Mine)

Schutte & Koerting Co. ("Koerting"), 12th & Thompson, Phila., Pa.

Ventilators (Ship)

Autoforce Ventilating System ("Autoforce"), 53 Devonshire, Boston, Mass.
Bishop, Wm. Sons, 205 South, New York
O'Crowley, J. J., 45 Hudson, Jersey City, N. J.
Sands, Alfred B. & Sons Co., 20 Vesey, New York

Ventilators (Stained Glass Window)

Deissler, P. & Bro. ("Deissler"), 249 S. 6th, Phila., Pa.

Ventilators (Window)

Acorn Brass Mfg. Co. ("Acorn"), 203 Fulton, New York
Autoforce Ventilating System ("Autoforce"), 55 Devonshire, Boston, Mass.
Automatic Ventilator Co. ("Automatic"), 120 Liberty, New York
Caldwell Mfg. Co. ("Caldwell"), Rochester, N. Y.
Field's, Chas. J. Sons, 633 Market, Phila., Pa.
Ideal Ventilator Co. ("Ideal"), Providence, R. I.
International Moulding Co. ("Ozone"), 21st & Morgan, Chicago, Ill.
Manhattan Perfected Ventilator Co., 11 Baxter, New York
National Ventilating Co., 1 Madison av, New York
National Ventilator Co. (Adjustable), 149 S. Jefferson, Chicago, Ill.
Perfect Ventilator Co., Canton, O.
Protective Ventilator Co. (Revolving, etc.), 129 Fulton, New York
Pullman Automatic Ventilator Mfg. Co. (For Either Top or Bottom), York, Pa., & 180 B'way, New York
Roebuck Weather Strip & Wire Screen Co., 419 Hamilton av, Brooklyn, N. Y.
Tuttle & Bailey Mfg. Co. ("Perfection"), 83 Beekman, New York
Zephyr Ventilator Mfg. Co., Inc., Phila., Pa.

Vestibules (Car)

Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Gould Coupler Co., 345 5th av, New York; Rookery bldg, Chicago, Ill.
McConway & Torley Co., 48th & A. V. Ry., Pittsburg, Pa.
Sjorberg, J. P. & Co. (Portable & Stationary), 533 W 32d, New York

Vibrator Mfrs.

Allison, W. D. Co., Indianapolis, Ind.
American Vibrator Co., 407 N 8th, St. Louis, Mo
Barker, James ("Barker"), 6th & Cayuga, Phila., Pa
Betz, Frank S., Hammond, Ind.
Birtman, C. F. Co., 152 Lake, Chicago, Ill.
COATES CLIPPER MFG. CO., Worcester, Mass. (See adv. index, end of book)
Electric Mfg. Co., San Francisco, Cal.
Eureka Vibrator Co., Majestic bldg, Detroit, Mich.
Eureka Vibrator Co. ("Vibro-Life" Hand Power), 1269 B'way, New York
Gen. Compressed Air & Vacuum Machy. Co. ("Thurman"), St. Louis, Mo.
Globe Manufacturing Co., Battle Creek, Mich.
Gorrman, Samuel J. Co., 824 W Fullerton av, Chicago, Ill.
Hass, R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.
Jacobson-Brandow Co., Pittsfield, Mass.
Keystone Electric Co., 135 S 10th, Phila., Pa.
Lindstrom-Smith Co. ("Red-Cross"), 253 La Salle, Chicago, Ill.
Magno Vibrator Co., 5 W Madison, Chicago, Ill.
Marshall Vibrator Co., 205 W 56th, New York
Moon Vibrator Co., 112 Indiana, Chicago, Ill.
Shelton Electric Co. ("Wayne"), 35 Randolph, Chicago, Ill.
Standard Electrical Works ("Arnold"), Racine, Wis.
Stolz Electrophone Co., 92 State, Chicago, Ill.
Swedish Electric Massage Vibrator Co., 36 Washington, Chicago, Ill.
Swedish Electric Vibrator Co., 1760 Ravenswood Park, Chicago, Ill.
Vibrassage Co., 176 Wells, Chicago, Ill.
Victor Electric Co., 56 Market, Chicago, Ill.
Wizard Co., 59 Dearborn, Chicago, Ill.

Vibratory Massage Machines

Garrett, J. E. ("Veedee"), 1133 B'way, New York

Viscosimeters

Feidt, Geo. D. & Co. ("Doolittle's" Torsion), 29 N 7th, Phila., Pa.
Olsen, Tinius & Co., 500 N 12th, Phila., Pa.

Vise Drilling Attachments

Goodell-Pratt Co., Greenfield, Mass.
Prentiss Vise Co., 44 Barclay, New York

Vise Pipe Grip

Athol Machine Co. ("Standard" to be Attached or Inserted to Jaws of a Vise for Making Pipe Vise), Athol, Mass.

Vise Stands (Portable)

New Britain Machine Co., New Britain, Conn.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.

Vises (Amateur)

Athol Machine Co. ("Little Giant"), Athol, Mass.

Vises (Anvil)

Athol Machine Co., Athol, Mass.
Bonney Vise & Tool Works, Allentown, Pa.
Fulton Iron & Engine Works, Detroit, Mich.
Millers Falls Co., 28 Warren, New York, & Millers Falls, Mass.
Prentiss Vise Co., 44 Barclay, New York
Phoenix Hardware Mfg. Co., Homer, N. Y.
Sargent & Co., New Haven Conn., & 153 Leonard, New York
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.

Vises (Automobile)

Pittsburg Automatic Vise & Tool Co., Pittsburg, Pa.

Vises (Band Saw)

Atkins, E. C. & Co., Indianapolis, Ind.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

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Vises (Bench)

Abernathy Vise & Tool Co., 327 Englewood av, Chicago, Ill.
Athol Machine Co. ("Simpson's" Standard), Athol, Mass.
Barrett Machine Tool Co. ("Barrett"), Meadville, Pa.
Barbour-Stockwell Co. (Screw, the "Chandler" & "Washburn"), Cambridge, Mass.
Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Bonney Vise & Tool Works (Inc.) ("Bonney" & "Champion"), Allentown, Pa.
Columbian Hardware Co. (Machinists, "Columbian," etc.), Cleveland, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Eagle Anvil Works ("Fisher" Screw), Trenton, N. J.
Emmert Mfg. Co. ("Presto," "Tiger"), Waynesboro, Pa.
Fisher & Norris ("Fisher") (Clark Fisher, Prop.), Trenton, N. J.
Fulton Machine & Vise Co. (Swivel), Lowville, N. Y.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hanna Engineering Works (Automatic, Quick Acting), 820 Elston av, Chicago, Ill.
Howard Iron Works (Fixed & Swivel), Buffalo, N. Y.
Ideal Machine Works, 257 39th, Brooklyn, N. Y.
Illinois Iron & Bolt Co. (Machinists, etc.), Carpentersville, Ill.
INGERSOLL-RAND CO., 11 B'way, New York. (See adv. index & branch offices, end of book)
IRVING MFG. & TOOL CO. (J. F. McCoy Co. Prop.), 157 Chambers, New York (See adv. index, end of book)
Jones & Laughlin Steel Co. ("The Howard"), Pittsburg, Pa.
Massey Vise Co., 208 Michigan, Chicago, Ill.
MERRILL BROS. (Steel Bar, Parallel Jaws, Swivel Base), William st, Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Midland Iron Works, Racine, Wis.
Millers Falls Co. ("Millers Falls"), 28 Warren, New York; Works: Millers Falls, Mass.
Parker, Chas. Co., Meriden, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pittsburg Automatic Vise & Tool Co. (Motor Boat & Automobile), Pittsburg, Pa.
Prentiss Vise Co., 44 Barclay, New York
Pullman Mfg. Co., Rochester, N. Y.
Quick Automatic Vise Co. ("Rochester"), Reed Mfg. Co., Erie, Pa. Rochester, N. Y.
Rock Island Tool Co. ("Rock Island." Automatic Swivel, Lock Jaw), Rock Island, Ill.
Sheldon, E. H. & Co., 84 N May, Chicago, Ill.
Stearns, E. C. & Co. ("Stearns" Gypsy Pattern & Oval Slide), Syracuse, N. Y.
Toles, W. C. Co., 2479 N 42d av, Chicago, Ill.
Tower & Lyon Co. ("Stephens'" Patent & "XL"), 95 Chambers, New York
Walker, G. A. Machine Co. ("Best"), 51 Chardon st., Boston, Mass.
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Ware, J. L. & Co. ("Wares," Steel Yoke), St. Paul, Minn.
Williamson Vise Co. ("Williamson" Universal Double Swivel), Bradford, Pa.
Yost, G. M. Mfg. Co. ("Yost"), Meadville, Pa.

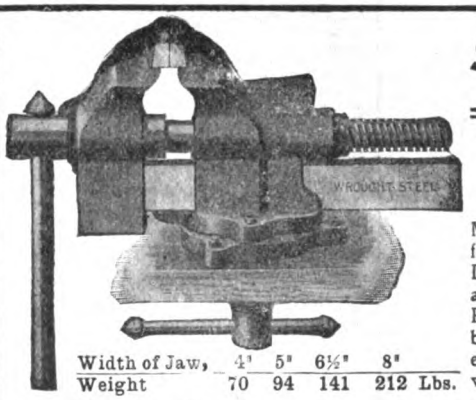
Vises (Bicycle)

Hollands Mfg. Co., Erie, Pa.
Massey Vise Co., 208 Michigan, Chicago, Ill.
Prentiss Vise Co., 44 Barclay, New York

Vises (Blacksmiths')

Columbian Hardware Co., Cleveland, O.
Columbus Forge & Iron Co., Columbus, O.
Eagle Anvil Works, Trenton, N. J.
Hollands Mfg. Co., Erie, Pa.
New London Vise Works, New London, Conn.
Rock Island Tool Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.
Russ, A. E. Mfg. Co., Cleveland, O.
Tower & Lyon Co., 195 Chambers, New York
Wiley & Russell Mfg. Co., Greenfield, Mass.
Yost, G. M. Mfg. Co. ("Yost" Quick Acting Leg), Meadville, Pa.

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Vises (Cabinet Makers')

(See Vises, Coach Makers' or Wood Workers')

Vises (Carpet)

Kraeuter & Co., Newark, N. J.
Osborne, C. S. & Co. ("Kelly"), Harrison, N. J.

Vises (Chain Pipe)

Ellis & Ford Mfg. Co. ("Ellis"), Detroit, Mich.
Williams, J. H. & Co., 150 Hamilton av, Brooklyn, N. Y.

Vises (Clamp)

Miller's Falls Co. (Oval Slide), 28 Warren, New York. Works, Millers' Falls, Mass.
Prentiss Vise Co. ("Shepard"), 44 Barclay, New York
Sheldon, E. H. & Co. ("Sheldon's" Mitre Clamping), 84 N May, Chicago, Ill.
Stearns, E. C. & Co., Syracuse, N. Y.

Vises (Coach Makers' or Wood-Workers')

Athol Machine Co. ("Simpson's"), Athol Mass.
Barrett Machine Tool Co. ("Barrett"), Meadville, Pa.
Billings & Spencer Co., Hartford, Conn.
Bliss, R. Mfg. Co. (Carpenters), Pawtucket, R. I.
Bonney Vise & Tool Works, Allentown, Pa.
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Emmert Mfg. Co. ("Presto"), Waynesboro, Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hardware & Woodenware Mfg. Co., 693 Bway, New York
Illinois Iron & Bolt Co., Carpentersville, Ill.
Massey Vise Co., 208 Michigan, Chicago, Ill.
New London Vise Works ("Hyde's"), New London, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Parker, Chas. Co., Meriden, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pittsburg Automatic Vise & Tool Co. ("Universal"), Pittsburg, Pa.
Prentiss Vise Co., 44 Barclay, New York
Sheldon, E. H. & Co. ("Sheldon" Rapid Acting), 84 N May, Chicago, Ill.
Timmis & Clissold, Boundbrook, N. J. Ill.
Toles, W. C. Co., 2479 N 42d av, Chicago, Ill.
Wyman & Gordon (Quick Action), Worcester, Mass.
Yost, G. M. Mfg. Co. ("Yost"), Meadville, Pa.

Vises (Cutters')

New London Vise Works, New London, Conn.

Vises (Drill)

Adams Co. ("The Diamond"), Dubuque, Ia.
Armstrong Bros. Tool Co. ("Armstrong" Quick Action), 113 N Francisco av, Chicago, Ill.
Blissfield Motor Works ("Davenport" Tilting for Drill Presses), Blissfield, Mich.
Bonney Vise & Tool Co., Allentown, Pa.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Fulton Machine Co. (Drill-Press), Fulton, O.
Graham Mfg. Co., Providence, R. I.
Hill Standard Mfg. Co. ("Hill" for Drill Press), Anderson, Ind.
Hoggson & Pettis Mfg. Co. (Drill Press), New Haven, Conn.
Hopkinson Machine Works ("Hopkinson"), Springfield, Mass.
Massey Vise Co., 208 Michigan, Chicago, Ill.
Millers' Falls Co. ("Alford"), 28 Warren, New York. Works: Millers' Falls, Mass.
Patterson Tool & Supply Co. ("Patterson"), Dayton, O.
Plunket, J. E. ("Plunket" Drill Press), 47 S. Jefferson, Chicago, Ill.
Prentiss Vise Co., 44 Barclay, New York
Skinner Chuck Co. ("Skinner" Drill Press), New Britain, Conn.
Titus Machine Works ("Titus" Drill Presses), Marion, O.

Vises (Farmers')

Athol Machine Co., Athol, Mass.
Columbian Hardware Company ("Columbian"), Cleveland, O., & 168 Church, New York
Parker, Chas. Co., Meriden, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.

Vises (Foot)

Illinois Iron & Bolt Co. ("Rice"), Carpentersville, Ill.
New London Vise Works, ("Hyde's" Horse Shoers'), New London, Conn.
Noyes, B. B. & Co. ("Little Giant"), Greenfield, Mass.

Vises (Hand)

Athol Machine Co. ("Boss," "Standard"), Athol, Mass.
Billings & Spencer Co. ("Brighton"), Hartford, Conn.
Bonney Vise & Tool Works (Swivel Bench & Hand Vise Combined), Allentown, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Goodell-Pratt Co., Greenfield, Mass.
Hardware & Woodenware Mfg. Co. ("Brighton"), 693 B'way, New York
Illinois Iron & Bolt Co., Carpentersville, Ill.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York (See adv. index, end of book)
Lowell Wrench Co., Worcester, Mass.
Millers' Falls Co. ("Alford"), 28 Warren, New York. Works: Millers' Falls, Mass.
National Novelty Corp'n ("Brighton"), 826 B'way, New York
Phoenix Hardware Mfg. Co., Homer, N. Y.

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Secor, A. W., 65 Fulton, New York
Smith, Otis A. (Hand, with Parallel Jaw), Rockfall, Conn.
Smith & Hemenway Co., 108 Duane, New York
Universal Tool Co. (Also with Combination Wrench), Springfield, Mass.

Vises (Horseshoers')

Burke, P. F., Dorr & Dorchester av, Boston, Mass.
Butts & Ordway Co., 33 Purchase, Boston, Mass.
Champion Tool Co. ("Champion" Foot), Meadville, Pa.
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Wells Bros. Co., Greenfield, Mass.
Wiley & Russell Mfg. Co. ("Green River" Shoeing Vise & Bolt Header), Greenfield, Mass

Vises (Jewelers')

Athol Machine Co., Athol, Mass.
Barker, Chas. Co., Meriden, Conn.
Emmert Mfg. Co., Waynesboro, Pa.
Lowell Wrench Co. (Pin), Worcester, Mass.
Parker, Chas. Co., Meriden, Conn.
Pittsburg Automatic Vise & Tool Co., Pittsburg, Pa.
Prentiss Vise Co., 44 Barclay, New York
Secor, A. W., 65 Fulton, New York
Tower & Lyon Co., 95 Chambers, New York
Williamson Vise Co., Bradford, Pa.

Vises (Linemen's)

Billings & Spencer Co. (Drop Forged), Hartford, Conn
Dicke Tool Co., Downers Grove, Ill.
Utica Drop Forge & Tool Co., Frankfort, N. Y.

Vises (Machinists')

Adams Company ("Diamond," Parallel Jaw), Dubuque, Iowa
Athol Machine Co. (Parallel Jaw), Athol, Mass.
Barrett Machine Tool Co. ("Barrett," Parallel Jaw, also Swivelling Jaw), Meadville, Pa.
Bonney Vise & Tool Works (Parallel "A-Jax," "Hercules"), Allentown, Pa.
Columbian Hardware Co. (Parallel Jaw), Cleveland, O.
Emmert Mfg. Co. ("Emmert" Universal Parallel Jaw), Waynesboro, Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Hanna Engineering Works (Parallel Jaw), 820 Elston av, Chicago, Ill.
Hill Standard Mfg. Co. ("Hill," Parallel Jaw), Anderson, Ind.
Hollands Mfg. Co. (Parallel & Swivelling Jaw), Erie, Pa.
Howard Iron Works (Parallel Jaw), Buffalo, N. Y.
Illinois Iron & Bolt Co. (Swivel Self-Adjusting & Parallel), Carpentersville, Ill.
Lombard-Replogle Engineering Co. (Parallel Jaw), Akron, O.
Massey Vise Co. (Parallel Jaw), 208 Michigan, Chicago, Ill.
MERRILL BROS. (Parallel Jaw), William st, Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Miller's Falls Co., 28 Warren, New York, Works: Miller's Falls, Mass.
Parker, Chas. Co. (Parallel & Swiveling Jaw), Meriden, Conn.
PATTERSON, GOTTFRIED & HUNTER (Ltd.), 211 Centre, New York
Pittsburg Automatic Vise & Tool Co., Pittsburg, Pa.
Prentiss Vise Co. ("Bulldog," Parallel & Swivelling Jaw), 44 Barclay, New York
Reed Mfg. Co. (Parallel & Swivelling Jaw), Erie, Pa.
Rock Island Tool Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.
Tower & Lyon Co. (Parallel Jaw), 95 Chambers, New York
Williamson Vise Co. ("Williamson," Parallel & Double Swivelling Jaw), Bradford, Pa.
Yost, G. M. Mfg. Co. ("Yost"), Meadville, Pa.

Vises (Manual Training)

Yost, G. M. Mfg. Co. ("Yost"), Meadville, Pa.

Vises (Milling Machine)

Atlas Machine Co. ("Atlas" Swivel), Providence, R. I.
Aurora Tool Works, Aurora, Ill.
Becker Milling Machine Co., Hyde Park, Mass
Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Brown & Sharpe Mfg. Co., Providence, R. I.
Carter & Hakes Machine Co., Winsted, Conn.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Cincinnati Milling Machine Co., Cincinnati, O.
Clough, R. M., Tolland, Conn.
Fox Machine Co., Grand Rapids, Mich.
Garvin Machine Co., 137 Varick, New York
Hendey Machine Co., Torrington, Conn.
Hill, Clarke & Co., 156 Oliver, Boston, Mass.
Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.
Kearney & Trecker, Milwaukee, Wis.
Kempsmith Mfg. Co., Milwaukee, Wis.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
Massey Vise Co., 208 Michigan, Chicago, Ill.
Oesterlein Machine Co., Cincinnati, O.
Owen Machine Tool Co. (Swivel), Springfield, O.
Plunket, J. E. ("Plunket"), 47 Jefferson, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
Vanderbeck Tool Works, Hartford, Conn.
Steptoe, Jno. Shaper Co., Cincinnati, O.
Whitney Mfg. Co., Hartford, Conn.

Vises (Oval Slide)

Athol Machine Co., Athol, Mass.
Millers Falls Co., 28 Warren, New York. Works, Millers Falls, Mass.
Parker, Chas. Co., Meriden, Conn.

Vises (Parallel)

(See Vises, Bench)

Adams Co. ("The Diamond"), Dubuque, Ia.
Athol Machine Co. ("Simpson's" Adjustable), Athol, Mass.
Bonney Vise & Tool Works, Allentown, Pa.
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Emmert Mfg. Co. ("Tiger"), Waynesboro, Pa.
Fisher & Norris ("Fisher" Double Screw) (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
Fulton Mach. & Vise Co. ("Fulton" Solid Jaw), Lowville, N. Y.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index.
Hollands Mfg. Co., Erie, Pa. end of book)
Howard Iron Works, Buffalo, N. Y.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 169 Chambers, New York. (See adv. index, end of book)
Jones & Laughlin Steel Co. (Ltd.), Pittsburg, Pa.
Massey Vise Co., 208 Michigan, Chicago, Ill.
MERRILL BROS. (Steel Bar), William st, Maspeth (Borough of Queens), New York. (See adv. index, end of book)
Millers Falls Co., 28 Warren, New York: Works: Millers Falls, Mass.
Parker, Chas. Co., Meriden, Conn.
Prentiss Vise Co. ("Rapid Transit Bull Dog"), 44 Barclay, New York
Tower & Lyon Co. (Leg Quick Acting), 95 Chambers, New York
Yost, G. M. Mfg. Co. ("Yost" Solid Jaw), Meadville, Pa.

Vises (Pattern Makers')

(See Vises, Couch Makers' or Wood Workers'; also Vises, Bench)

Vises (Picture Frame)

Marsh, H. C. ("Marsh"), Rockford, Ill.

Vises (Pin)

Billings & Spencer Co. ("Billings"), Hartford, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Fray, John S. Co., Bridgeport, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Kendrick & Davis, Lebanon, N. H.

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

Lowell Wrench Co. (Jewelers, etc.), Worcester, Mass.
STARRETT, L. S. CO., Athol, Mass. (See adv. index & branch offices, end of book)

Vises (Pipe)

Adams Co. (The "Diamond"), Dubuque, Ia.
ARMSTRONG MFG. CO. (Hinged Pipe Vises), Bridgeport, Conn. (See adv. index & branch offices, end of book)


Armstrong's Hinged Pipe Vise
Strong and Simple. Made of the best malleable iron with interchangeable crucible steel jaws. Four sizes up to six inch pipe. Ask your dealer or write us direct.
The Armstrong Mfg. Co.
315 KNOWLTON ST.,
BRIDGEPORT, CONN.

Barrett Machine Tool Co. ("The Barrett" Combination), Meadville, Pa.
Bignall & Keeler Mfg. Co. (Combination, Bench & Pipe), Edwardsville, Ill.
Bonney Vise & Tool Works (Indispensable, etc.), Allentown, Pa.
Butler Co., Butler, Ind.
Butterfield & Co., Derby Line, Vt.
Clark Bros. Co., Belmont, N. Y.
Cox & Sons Co., 215 Race, Phila., Pa.
Connecticut Tool Co (Hinged), Bridgeport, Conn.
Crane Co. (Est. 1855), 519 S Canal. (See adv. index & branch offices, end of book)
Crane Valve Co. (Malleable Iron), Bridgeport, Conn.
Curtis & Curtis Co., Bridgeport, Conn.
Eagle Anvil Works ("Fisher"), Trenton, N. J.
Emmert Mfg. Co. ("Presto"), Waynesboro, Pa.
Enterprise Windmill Co. ("Enterprise"), Batavia, Ill.
Erie Mfg. & Supply Co. (Sectional Jaw), Erie, Pa.
Fulton Machine & Vise Co. ("F. & B." "Star" Solid Jaw & Combination Pipe), Lowville, N. Y.
General Fire Extinguisher Co., Providence, R. I.
Globe Vise & Truck Co., Grand Rapids, Mich.
Henderer, A. L. Sons, Wilmington, Del.
Hollands Mfg. Co. ("Hough"), Erie, Pa.
Hilts Wrench & Mfg. Co. ("Vulcan" Chain), Richford, N. Y.
Howard Iron Works, Buffalo, N. Y.
Illinois Iron & Bolt Co. ("I. I. & B. Co." Carpentersville, Ill.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
Jarecki Mfg. Co., Erie & Pittsburg, Pa.
Kemp, C. M. Mfg. Co. ("Climax"), 401 E. Oliver, Baltimore, Md.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Mark Mfg. Co. ("Roller"), Evanston, Ill.
Massey Vise Co. ("Clinches," Lightning Grip), 208 Michigan, Chicago, Ill.
Nason Mfg. Co., 71 Beekman, New York
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oswego Tool Co. ("Walworth," "Armstrong" & "Smith" Patterns), Oswego, N. Y.
Parker, Chas. Co. (Combination), Meriden, Conn.

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PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Centre, New York
Phoenix Hardware Mfg. Co., Homer, N. Y.
Pittsburg Automatic Vise & Tool Co. (Portable & Double Swivel), Pittsburg, Pa.
Prentiss Vise Co. ("New Blake," "Prentiss," Combination "Prentiss," Open Side & 20th Century "Shepard"), 44 Barclay, New York
Reed Mfg. Co., Erie, Pa.
Rock Island Tool Co. ("Rock Island" Automatic Swivel & Hinged), Rock Island, Ill.
Saunders, D. Sons Co., Yonkers, N. Y.
SIMMONS, JOHN CO., 110 Centre New York. (See adv. index, end of book)
Spencer Regulator Co. ("Spencer"), Salem, Mass.
Vandeman, Wm. Plumbing & Heating Co. (Combination & Self-Locking), Willimantic, Conn.
Walworth Mfg. Co. ("Klingfast"), 132 Federal Boston, Mass.
Warnock Mfg. Co. ("Warnock" Smooth & Nickel Pipe), Worcester, Mass.
Wells, F. E. & Son Co. ("Wells"), Greenfield, Mass.
Williams, J. H. & Co. (Chain), 150 Hamilton av, Brooklyn, N. Y.
Williamson Vise Co. ("Williamson" Universal Double Swivel), Bradford, Pa.
Yale & Towne Mfg. Co., 9 Murray, New York

Vises (Pipe, Combination)

Barrett Machine Tool Co. ("Barrett") Meadville, Pa.
Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Bonney Vise & Tool Works, Allentown, Pa.
Fulton Machine & Vise Co., Louville, N. Y.
Hollands Mfg. Co. ("Hough"), Erie, Pa.
Howard Iron Wks., Buffalo, N. Y.
Parker, Chas. Co., Meriden, Conn.
Prentiss Vise Co., ("Prentiss"), 44 Barclay
Reed Mfg. Co., Erie, Pa. New York
Secor, A. W., 65 Fulton, New York.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Williamson Vise Co., Bradford, Pa.

Vises (Planer)

Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Cincinnati-Bickford Tool Co., Cincinnati, O.
Denison Mfg. Co. ("Denison"), Warren, O.
Fulton Machine Co., Canal Fulton, O.
Hendry Machine Co., Torrington, Conn.
Hill Standard Mfg. Co. ("Hill"), Anderson, Ind.
Massey Vise Co., 208 Michigan, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
Vanderbeck Tool Works, Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.
Steptoe, Jno. Shaper Co., Cincinnati, O.
Vanderbeck Tool Works, Hartford, Conn.

Vises (Saw)

Atkins, E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton (For Band Saws) Grand Rapids, Mich.
Bonney Vise & Tool Works (Saw Filers), Allentown, Pa.
Cincinnati Tool Co., Cincinnati, O.
Disston, Hy. & Sons (Inc.), Tacony, Phila., Pa.
Foote, J. B. Foundry Co. (Folding, Saw Filers' Vises), Fredericktown, O.
Grammes, L. F. & Sons, Allentown, Pa.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Jennings, C. E. & Co., 42 Murray, New York
New Britain Machine Co. (For Filing Band Saws), New Britain, Conn.
Parker, Chas. Co. (Adjustable Saw Filers), Meriden, Conn.
Phoenix Hardware Mfg. Co., Homer, N. Y.
Stearns, E. C. & Co. ("Stearns," "Wentworth"), Syracuse, N. Y.

Vises (Solid Box)

Columbian Hardware Company ("Columbian"), Cleveland, O., & 168 Church, New York
Columbus Forge & Iron Co., Columbus, O.
Fisher & Norris (Fisher), (Clark Fisher, Prop.), Fair & Factory, Trenton, N. J.
HAMMACHER, SCHLEMMER & CO., 133 4th av, New York. (See adv. index, end of book)
Iron City Tool Works (Ltd.), Pittsburg, Pa.
MERRILL BROS. (Steel Bar, Parallel Jaws, Swivel Base), William st., Maspeth (Borough of Queens), New York. (See adv. index, end of book)
New London Vise Works, New London, Conn.
Prentiss Vise Co., 44 Barclay, New York

Vises (Tool Makers')

Atlas Machine Co. ("Atlas"), Providence, R. I.
Emmert Mfg. Co. ("University"), Waynesboro, Pa.
MERRILL BROS. (Steel Bar), William st, Maspeth (Boro. of Queens), New York. (See adv. index, end of book)
Parker, Chas. Co., Meriden, Conn.

*Voltmeters

WESTINGHOUSE ELECTRIC MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)

Voltmeters & Frequency Indicator Combined

Wagner Electric Mfg. Co., St. Louis, Mo.

*Vulcabeston

JOHNS-PRATT CO., THE, (For Electric Insulation & Steam Packing, etc.), Hartford, Conn.

Vulcanizers (Rubber Mill)

Biggs Boiler Works Co., Akron, O.
Birmingham Iron Foundry, Derby, Conn.
Farrel Fdry. & Machine Co., Ansonia, Conn.
McNeil Boiler Co., Akron, O.
Throop, Jno. E. Sons Co., Trenton, N. J.
Thropp, Wm. R., Trenton, N. J.

Vulcanizers (Tire & Tube)

Goodrich, B. F. Co., Akron, O.
Shaler, C. A. Co. ("Shaler" Electric), Waupun, Wis.

Wagon Dump Boxes

Black Mfg. Co. ("Chicago" Quick Dumper), 120 E Ohio, Chicago, Ill.
Cator Dump Wagon Co., Palmyra, N. Y.
Eagle Wagon Works, Auburn, N. Y.
Everett Mfg. Co. ("Everett," Portable), Newark, N. J.
Flowers, Albert & Son, Camden, O.
GLEN WAGON CO. ("Star"), Seneca Falls, N. Y. (See adv. index, end of book)
Marion Dump Wagon Co., Marion, O.
Ohio Road Machinery Co. ("Ohio"), Oberlin, Ohio
Tiffin Wagon Co., Tiffin, O.
TROY WAGON WORKS CO., Troy, O. (See adv. index, end of book)
Turnbull Wagon Co., Defiance, O.

Wagon Tops (Three-Bow)

Troy Carriage Sun Shade Co. (For Wagons, Trucks, etc.), Troy, O.

Wagons (Asphalt, Dump)

Briggs Labor Saving Specialty Co., Waterloo, Iowa
Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works, Auburn, N. Y.
GLEN WAGON CO. ("Star"), Seneca Falls, N. Y. (See adv. index, end of book)
Haywood Wagon Co. (Self-Dumping, Steel or Wooden), Baldwinsville, N. Y.
McNeil Boiler Co., Akron, O.
Milburn Wagon Co., Toledo, O.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Studebaker Bros. Mfg. Co., South Bend, Ind.
TROY WAGON WORKS CO. ("Troy"). 100 East Race, Troy, O. (See adv. index, end of book)
Watson Wagon Co., Canastota, N. Y.

Wagons (Baggage & Express)

(See Barrows, Baggage & Express)

Wagons (Builders')

Milburn Wagon Co., Toledo, O.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Watson Wagon Co., Canastota, N. Y.

Wagons (Coal Charging)

Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
Lyon Metallic Mfg. Co. (Steel), Aurora, Ill.

Wagons (Coal & Coke)

Haywood Wagon Co. (For Coal Yards, Steel or Wooden), Baldwinsville, N. Y.

Wagons (Coaster)

Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Wabash Mfg. Co. ("Wabash" Express), Wabash, Ind.

*Wagons (Contractors' Reversible Road Building)

TROY WAGON WORKS CO. ("Troy"), 100 E Race, Troy, O. (See adv. index, end of book)

Wagons (Dumping)

Acme Wagon Co., Emigsville, Pa.
Austin Mfg. Co. (Automatic), Manhattan Bldg., Chicago, Ill.
Blake, J. M. & Son, 54 Indiana, Buffalo, N. Y.
Briggs Labor Saving Specialty Co. ("Lightning" Rear End), Waterloo, Iowa
Cator Dump Wagon Co., Palmyra, N. Y.
Climax Road Machine Co., Marathon, N. Y.
Columbia Wagon Co. ("Day's" Columbian Dump Bottom), Columbia, Pa.
Connellsville Iron Works (Steel Body), New Haven, Pa.
Duquesne Vehicle Co., 400 Duquesne Way, Pittsburg, Pa.
Eagle Wagon Works, Auburn, N. Y.
GLEN WAGON CO. ("Star"), Seneca Falls, N. Y. (See adv. index, end of book)
Haywood Wagon Co. (Steel & Wooden, Self-Dumping, also Bottom & Rear End Dump), Baldwinsville, N. Y.
Hieber, F. W. Wagon Mfg. Co. ("Victor"), Pittsburg, Pa.
Hill, Thos. (Steel), 312 Henderson, Jersey City, N. J.
Indiana Road Machine Co. ("National"), Fort Wayne, Ind.
Jack, J. H. ("Dayton"), Dayton, O.
Keystone Wagon Works ("Keystone" Patent for Coal Only), Reading, Pa.
Koob Dumping Wagon Co. ("Koob" Bottom Dump), Moline, Ill.
Kramer Wagon Co. ("Oil City"), Oil City, Pa.
Longenecker, Chas. & Co., 150 Nassau, New York
Marion Dump Wagon Co., Marion, O.
MARYLAND EQUIPMENT & SUPPLY Co., Calvert & Lafayette, Baltimore, Md. (See adv. index, end of book)
Mast, P. P. & Co., Springfield, O.
Milburn Wagon Co. (Greater Pittsburg"), Toledo, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Schuttler, Peter Co., 1200 W 23d, Chicago, Ill.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
SHAW, WILLIS CO., 171 LaSolle, Chicago, Ill. (See adv. index, end of book)
Smith & Sons Mfg. Co. ("Royal"), Kansas City, Mo.
Stroud, T. F. & Co. ("Little Red" Bottom Dump), Omaha, Neb.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
TROY WAGON WORKS CO. ("Troy" Bottom Dump), 100 E Race, Troy, O. (See adv. index, end of book)
Universal Road Machinery Co. ("Reliance"), 120 Liberty, New York
Watson Wagon Co., Canastota, N. Y.
Western Wheeled Scraper Co. ("Aurora"), Aurora, Ill.

Wagons (Farm)

ALABAMA.

FLORENCE — Florence Wagon Works ("Florence")

ARKANSAS.

FORT SMITH—Fort Smith Wagon Co. ("Fort Ingle Wagon Mfg. Co. ("Ingle") Smith")
JONESBORO—Jonesboro Wagon Co. ("Jonesboro")

COLORADO.

DENVER—Plattner Implement Co.

GEORGIA.

ATLANTA—White Hickory Wagon Co. ("White Hickory")
AUGUSTA—Lowry Wagon Works
COLUMBUS—Davis Wagon Co. ("Davis")

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ILLINOIS.

ABINGDON — Abingdon Wagon Co. ("Abingdon," "Clinton," "Sterling")
ALBION — Painter & Frankland ("Painter & Frankland")
BATAVIA—Newton Wagon Co. ("Newton")
CHICAGO — International Harvester Co. of America ("Bettendorf," "Columbus," "Weber")
Schuttler, Peter Co. ("Schuttler")
DIXON—Grand Detour Plow Co.
Grand Detour Wagon Co. ("Grand Detour")
LINCOLN—Sheer, Eugene ("Sheer")
MOLINE—Moline Wagon Co.
OTTAWA—King & Hamilton Co. ("Ottawa")
PEORIA—Avery Co. ("Peoria")
Peoria Wagon Co. ("Peoria")
QUINCY—Electric Wheel Co. ("Electric")
Knapheide, Henry Wagon Co. ("Knapheide")

INDIANA.

ANDERSON—Rhoads, Samuel H. ("Rhoads")
CORYDON—Keller Mfg. Co. ("Corydon")
EVANSVILLE—Karges Wagon Co. ("Karges")
FORT WAYNE—Olds Wagon Works ("Olds")
HUNTINGBURG — Huntingburg Wagon Works ("Huntingburg")
LAFAYETTE—Indiana Wagon Co. ("Indiana," "O'Brien")
SOUTH BEND—Birdsell Mfg. Co. ("Birdsell")
Hunt Bros. Mfg. Co.
Studebaker Bros. Mfg. Co. ("Studebaker")
WABASH—Wabash Mfg. Co.

IOWA.

BURLINGTON—Burg Wagon Co. ("Burg")
Orchard City Wagon Co. ("Orchard City")
CHARITON — Schreiber Carriage Mfg. Co. ("Schreiber")
CLINTON—Fish Bros. Mfg. Co. ("Fish Bros.," "La Belle")
DUBUQUE—Cooper, A. A. Wagon & Buggy Co. ("Columbus," "Cooper")
FAIRFIELD—Turney, Joel & Co. ("Charter Oak")
LANSING—Rud, L. O. & Co. ("Rud")
PELLA—Buerkens Mfg. Co. ("Buerkens")
SHENANDOAH — O'Brien Wagon Works ("O'Brien")

KENTUCKY.

HENDERSON—Coquillard Wagon Works
HICKMAN—Hickman Wagon Co.
HOPKINSVILLE—Forbes Mfg. Co. ("Mogul")
LOUISVILLE — Kentucky Wagon Mfg. Co. ("Kentucky," "Old Hickory," "Tennessee")
MADISONVILLE — Madisonville Wagon Co. ("Madisonville")
OWENSBORO—Hickman-Ebbert Co.
Owensboro Wagon Co. ("Owensboro")

MICHIGAN.

FLINT—Flint Wagon Works ("Flint")
GRAND RAPIDS—Belknap Wagon Co. ("Belknap")
Harrison Wagon Co. ("Harrison")
HILLSDALE—Hillsdale Truck & Wagon Co.
HOLLY—Patterson & Brown Bros. Mfg. Co. ("Holly")
IONIA—Ionia Wagon Co. ("Bible," "Capital")
LANSING—Lansing Wagon Works
MOUNT CLEMENS—Donaldson Bros. ("Donaldson")
SAGINAW—Farmers' Handy Wagon Co.

MINNESOTA.

LAKE CITY—Neal, Johns & Co. ("Lake City")
MINNEAPOLIS — Lenhart Wagon Co. ("Lenhart")
SAUK CENTER—Keller Mfg. Co. ("Keller")
WINONA — Winona Wagon Co. ("Rushford," "Winona")

MISSISSIPPI.

DURANT—Love Wagon Co.
LAUREL—Lindsey Wagon Co. ("Lindsey")

MISSOURI.

CARROLLTON — Brocksmith Wagon Co. ("Brocksmith")
EDINA—Miller Wagon Co. ("Miller")
FARMINGTON—Lang & Bro. Mfg. & Merc. Co. ("Lang")
HANNIBAL — Beggs-Goodson Wagon Co. ("Beggs-Goodson")
KANSAS CITY—Beggs Wagon Co. ("Beggs")
NEOSHO—Mutual Mfg. Co.
ST. LOUIS—Gestring Wagon Co.
Linstroth Wagon Co. ("Linstroth")
Luedinghaus-Espenschied Wagon Co. ("Luedinghaus")
Luking, John F.
Weber & Damme Wagon Co.
SPRINGFIELD — Springfield Wagon Co. ("Springfield")

NEW YORK.

CANASTOTA—Watson Wagon Co.
ITHACA—Williams Bros. ("Ithaca")
MORAVIA—Cady, Geo. S. & Co. ("Walker")
OLEAN—New Conklin Wagon Co. ("New Conklin")
VERNON—Thomas Wagon Co. ("Thomas")

NORTH CAROLINA.

HICKORY—Piedmont Wagon Co. ("Hickory")
WINSTON SALEM—Nissen, C. F. ("J. J. Nissen," "Nissen")
Nissen, Geo. E. & Co. ("Nissen")

OHIO.

CINCINNATI—Bode Wagon Co. ("Bode")
DEFIANCE—Turnbull Wagon Co. ("Turnbull")
MARIETTA—Ohio Valley Wagon Co. ("Marietta")
TIFFIN—Tiffin Wagon Co. ("Tiffin")
TOLEDO—Milburn Wagon Co. ("Milburn")
TROY—TROY WAGON WORKS CO. ("Troy"), 100 East Race. (See adv. index, end of book)
ZANESVILLE—Brown Mfg. Co. ("Brown")

PENNSYLVANIA.

BROOKVILLE—Brookville Mfg. Co. ("Brookville")
COLUMBIA — Columbia Wagon Co. ("Columbian")
ELIZABETHVILLE — Swab Wagon Co. ("Swab")
EMIGSVILLE—Acme Wagon Co. ("Acme")
OIL CITY—Kramer Wagon Co. ("Oil City")

TENNESSEE.

CHATTANOOGA—Chattanooga Wagon Co. ("Chattanooga")
MEMPHIS—Bodley Wagon Co.
James & Graham Wagon Co. ("James & Graham")

TEXAS.

BRENHAM — Schuerenberg, F. W. (Est. of) ("Schuerenberg")

VIRGINIA.

LYNCHBURG—Thornhill Wagon Co. ("Thornhill")
MARION—Look & Lincoln ("Look & Lincoln")
SOUTH BOSTON—Virginia Wagon Co.

WEST VIRGINIA.

MARTINSBURG — Auburn Wagon Co. ("Auburn")

WISCONSIN.

FOND DU LAC—Sweet, B. F. & H. L. Co.
FORT ATKINSON — Northwestern Mfg. Co. ("Northwestern")
GRAND RAPIDS — MacKinnon, F. Mfg. Co. ("MacKinnon")
JEFFERSON—Vaughn Mfg. Co. ("Jefferson")
KENOSHA—Bain Wagon Co. (Ltd.) ("Bain")
LA CROSSE—Smith Mfg. Co. ("La Crosse," "Smith")
MADISON—Fuller & Johnson Mfg. Co. ("Badger," Fuller & Johnson," "Madison")
OSHKOSH—Streich, A. & Bro. Co. ("Streich")
RACINE—Fish Bros. Wagon Co. ("Fish Bros.")
Mitchell & Lewis Co. (Ltd.) ("Mitchell")
Racine-Sattley Co. ("Racine")
RANDOLPH—Randolph Wagon Works ("Randolph")
STOUGHTON—Mandt Wagon Co. ("Mandt")
Stoughton Wagon Co. ("Stoughton")

*Wagons (Farm, Electric)

ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)

Wagons (Freight, Teaming, Etc.)

Akron-Salle Co., Akron, O.
Auburn Wagon Co., Martinsburg, W. Va.
Bain Wagon Co. (For Freight, etc.), Kenosha, Wis.
Bodley Wagon Co. (Up to 30 Tons), Memphis, Tenn.
Eagle Wagon Works (Freight), Auburn, N. Y.
Fish Bros. Wagon Co., Racine, Wis.
Haywood Wagon Co. (Heavy Machinery), Balwinsville, N. Y.
Hillsdale Truck & Wagon Co., Hillsdale, Mich.
Knapheide, Henry Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.
Schuttler, Peter Co., 1200 W. 22d, Chicago, Ill.
Studebaker Bros. Mfg. Co., South Bend, Ind.
TROY WAGON WORKS ("Troy"), 100 East Race, Troy, O. (See adv. index, end of book)
Watson Wagon Co., Canastota, N. Y.

Wagons (Garbage)

Briggs Labor Saving Specialty Co., Waterloo, Iowa.
Columbia Wagon Co., Columbia, Pa.
GLEN WAGON CO., ("Star"), Seneca Falls, N. Y. (See adv. index, end of book)
Haywood Wagon Co. (Steel & Wooden), Baldwinwsville, N. Y.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.
Shadbolt Mfg. Co. (Dumping), 68 Flushing av. Brooklyn, N. Y.
Studebaker Bros. Mfg. Co., South Bend, Ind.
TROY WAGON WORKS CO. ("Troy"), 100 East Race, Troy, Ohio. (See adv. index, end of book)
Watson Wagon Co., Canastota, N. Y.

Wagons (Grading)

Briggs Labor Saving Specialty Co. ("Lighting," rear end), Waterloo, Iowa. Works, Harvey, Ill.
GLEN WAGON CO., ("Star"), Seneca Falls, N. Y. (See adv. index, end of book)
Watson Wagon Co., Canastota, N. Y.

*Wagons (Handy)

TROY WAGON WORKS CO. ("Troy"), 100 East Race, Troy, O. (See adv. index, end of book)

Wagons (Hose)

Seagrave Co., Columbus, O.
Stewart, A. F. & S. C., Rochester, N. Y.
Webb Motor Fire Apparatus Co. (Automobile), Vincennes, Ind.

Wagons (Ice)

Akron-Selle Co., Akron, O.
Hillsdale Truck & Wagon Co., Hillsdale, Mich.
Keystone Wagon Works, Reading, Pa.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.
Studebaker Bros. Mfg. Co, South Bend, Ind.

Wagons (Larry Coke)

Niles Mine & Mill Supply Co., Cleveland, O., & Niles, O.
Phillips Mine & Mill Supply Co., Pittsburg, Pa.

Wagons (Laundry)

Armleder, O. Co., Cincinnati, O.
Koenig & Luhrs Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.

Wagons (Logging)

Bodley Wagon Co., Memphis, Tenn.
Diamond Iron Works ("Diamond" Roll-Off), Minneapolis, Minn.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Fish Bros. Wagon Co., Racine, Wis.
Florence Wagon Works, Florence, Ala.
Haywood Wagon Co. (Heavy), Baldwinsville, N. Y.
Hillsdale Truck & Wagon Co., Hillsdale, Mich.
Ingle Wagon Mfg. Co., Fort Smith, Ark.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.
Lindsey Wagon Co. (Eight Wheels, etc.), Laurel, Miss.
Luedinghaus-Espenschied Wagon Co., 1715 N B'way, St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Phoenix Mfg. Co., Eau Claire, Wis.
Racine-Satterly Co., Racine, Wis.
Roesch, Fred, Little Rock, Ark.
Sanford, A. Logging Tool Co., Oshkosh, Wis.
Schuttler, Peter Co., 1200 W. 22d, Chicago, Ill.
Schwartz, Jos. Co. (Ltd.), 821 Perdido, New Orleans, La.
Studebaker Bros. Mfg. Co., South Bend, Ind.
TROY WAGON WORKS CO. ("Troy"), 100 E Race, Troy O. (See adv. index, end of book)
White Hickory Wagon Mfg. Co., East Point, Ga.
Zelnicker, Walter A. Supply Co., 408 N 4th St. Louis, Mo.

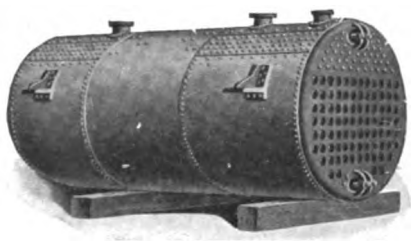
Wagons (Lumber)

Florence Wagon Works, Florence, Ala.
Fort Smith Wagon Co., Fort Smith, Ark.
Ingle Wagon Co., Fort Smith, Ark.
Leonhardt Wagon Mfg. Co., 412 E. Saratoga, Baltimore, Md.

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E. KEELER COMPANY

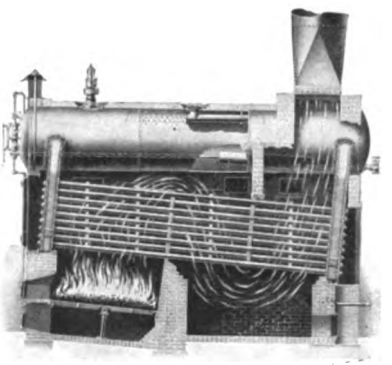
(Established 1864) **WILLIAMSPORT, PA.**



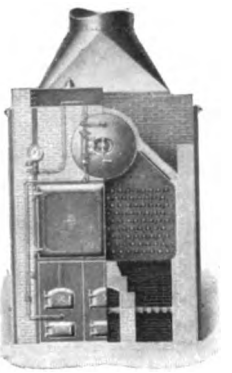
RETURN TUBULAR BOILER

BOILERS

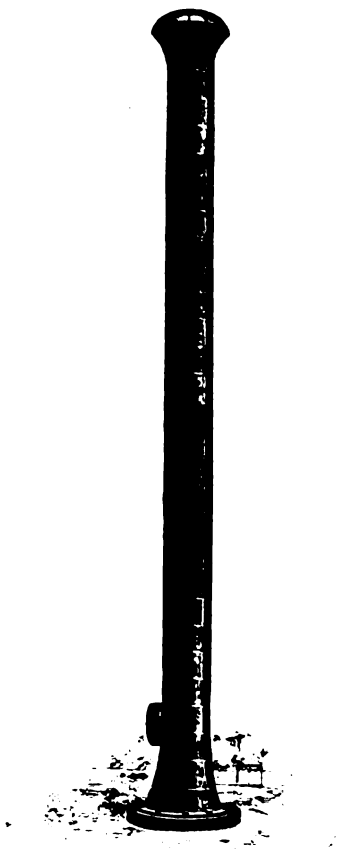
WATER TUBE — RETURN TUBULAR
LOCOMOTIVE — HOUSE HEATING
MARINE



KEELER WATER TUBE BOILER



WATER TUBE FRONT



SELF-SUPPORTING
STEEL STACK

STACKS, TANKS,
RIVETED STEEL PIPE

NEW YORK
PHILADELPHIA
BOSTON
PITTSBURG
CHICAGO
WILKES-BARRE, PA.
ROCHESTER, N. Y.
DALLAS, TEX.
ATLANTA, GA.
SEATTLE, WASH.

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INDUSTRIAL INFORMATION

¶ We maintain a Bureau of Information for the free use of Architects and Engineers and all who promote the interests of this publication by either advertisement or subscription and we are prepared at all times to furnish our patrons with the most reliable information about any particular kind of material, machine, tool or specialty which they may require. :: :: :: :: ::

Hendricks' Commercial Register

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Milburn Wagon Co., Toledo, O.
Sweet, B. F. & H. L. ("Sweet's" Patent), Fond du Lac, Wis.
Williams Bros., Ithaca, N. Y.

Wagons (Lunch)

Harris Car Co. ("White House Cafe"), Worcester, Mass.

*Wagons (One-Horse)

ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
TROY WAGON WORKS CO. ("Troy"), 100 E Race, Troy, O. (See adv. index, end of book)

Wagons (Ore, Coal & Mining)

Akron Cultivator Co. (Steel), Akron, O.
Bettendorf Axle Co. (Steel Gear, Coal, Farm, etc.), Davenport, Iowa
Briggs Labor Saving Specialty Co. ("Lightning," Coal), Waterloo, Ia.
Connellsville Machine & Car Co. (Pit), Connellsville, Pa.
Hillsdale Truck & Wagon Co. (Coal Only), Hillsdale, Mich.
Honhorst, Joseph Co. (Coal), Cincinnati, O.
Jackson Mfg. Co. (Steel), Harrisburg, Pa.
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Leonhardt Wagon Mfg. Co., 412 E Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.
Turl's, John Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
Schuttler, Peter Co., 1200 W 22d, Chicago, Ill.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Watson Wagon Co., Canastota, N. Y.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER
·COMPANY·
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Wagons (Police & Fire Patrol)

Fulton & Walker Co., 20th & Filbert, Phila., Pa.
Leonhardt Wagon Mfg. Co., 412 E Saratoga, Baltimore, Md.
Seagrave Co., Columbus, O.
Stewart, A. F. & S. C., Rochester, N. Y.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Wayne Sulkyette & Road Cart Co., Decatur, Ill.

Wagons (Self-Dumping)

Haywood Wagon Co. (Steel or Wooden), Baldwinsville, N. Y.
Indiana Road Machine Co., Fort Wayne, Ind.
Watson Wagon Co., Canastota, N. Y.

Wagons (Stave)

Strait, H. N. Mfg. Co., Kansas City, Mo.

Wagons (Steel)

Bruner Steel Wagon Co. ("Bruner" Pressed Steel), Wapakoneta, O.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Shunk Plow Co. (Farm Wagons), Bucyrus, O.

Wagons (Stone)

Steam Stone Cutter Co. (For Quarries or Heavy Stone Hauling), Rutland, Vt.
Watson Wagon Co., Canastota, N. Y.

Wagons (Stone Spreading)

Haywood Wagon Co. (Steel or Wooden), Baldwinsville, N. Y.

Wagons (Sugar)

ELECTRIC WHEEL CO. (Also Sugar Cane Carts), Quincy, Ill. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Leonhardt Wagon Mfg. Co., 412 E Saratoga, Baltimore, Md.
Sheffield Car Co., Three Rivers, Mich.
Turl's, John Sons (Inc.), 26 Courtlandt, New York. Works, Newburgh, N. Y.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES.
ERNST WIENER
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475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Wagons (Trolley)

ANDERSON FORGE & MACHINE CO. (Pole Raising), 271 Guoin, Detroit, Mich. (See adv. index, end of book)
Briggs Carriage Co., Amesbury, Mass.
Leonhardt Wagon Mfg. Co., 412 E Saratoga, Baltimore, Md.
McCardell, J. R. & Co., Trenton, N. J.
Milburn Wagon Co., Toledo, O.
Winona Wagon Co., Winona, Minn.

Wagons (Wire Nail)

Howe Scale Co., Rutland, Vt.

Wall Boards

AMERICAN CONCRETE CO. (Fireproof), 80 William, New York. (See adv. index, end of book)
BEAVER MFG. CO., THE ("Beaver"), (Finished, Indurated & Fireproof), 228 Perry, Buffalo, N. Y. (See adv. index, end of book)



Sackett Plaster Board Co. ("Sackett's"), 17 Battery pl, New York

Wall Burlaps & Canvas

(See Wall Coverings)

Wall Coping Mfrs.

(See Sewer Pipe Manufacturers; also Terra Cotta, Architectural)

Wall Coverings

BEAVER MFG. CO., THE ("Beaver"), 228 Perry, Buffalo, N. Y. (See adv. index, end of book)



Chase, L. C. & Co. ("Standard" Leather Substitute), 89 Franklin, Boston, Mass.
Cot-A-Lap Co. (Burlaps & Canvas), New Haven, Conn.
Leatherole Co. ("Leatherole" & "Sanatile" Sanitas Waterproof, 24 E 22d, New York
Lloyd, W. H. S. Co. ("Salamander"). Fire Proof), 26 E 22d, New York
Richter Mfg. Co. ("Tapestrolea" Burlaps & Canvas), Tenafly, N. J.
Standard Table Oil Cloth Co. ("Sanatas" Washable Cloth), 320 B'way, New York
Tex-Ta-Dor-Na Mfg. Co. (Burlaps & Canvas), Columbus, Ohio
Turner, J. Spencer Co. (Burlaps & Canvas), 86 Worth, New York
Wemple, Jay C. Co. ("Royel" Burlaps & Canvas), 35 E 20th, New York
Wiggins, H. B. Sons Co. ("Fab-Ri-Ko-Na"), Bloomfield, N. J.

Wall Finish

(The Trade Names of these Finishes are between each firm's name and address)

Alabastine Co. ("Alabastine"), Grand av & G. R. & I. R'y, Grand Rapids, Mich
AMERICAN CONCRETE CO., 80 William, New York. (See adv. index, end of book)
American Soapstone Finish Co. (Soapstone), Chester Depot, Vt.
Anti-Kalsomine Co., Grand Rapids, Mich.
Cardiff Gypsum Plaster Co. ("Kallolite"), Fort Dodge, Iowa
Casein Co. of America ("Indurine"), 5 Nassau, New York
Diamond Wall Finish Co. ("Diamond"), Grand Rapids, Mich.
Fox, M. Ewing & Co. ("Permanite"), 240 E 136th, New York
Keystone Plaster Co. ("Adamant"), Sales Office, 16 S Broad, Phila., Pa. Works, Chester, Pa.
Manhattan Color Works ("Fres-Ko-Kote"), 197 Amsterdam av, New York
Moore Benjamin & Co. ("Muresco"), 262 Water, Brooklyn, N. Y.
Muralo Company, New Brighton, Boro of Richmond, N. Y.
New Buffalo Eureka Wall Finish & Mineral Paint Co., New Buffalo, Mich.
Ohio & Western Lime Co. ("Standard" Rock), Huntington, Ind.
Paragon Wall Plaster Co., Syracuse, N. Y.
Shoemaker, Robert & Co. (Encaustic Compound), 4th & Race, Phila., Pa.
Troy Cold Water Kalsomine Co., 22 Paine, Troy, N. Y.
TRUSSED CONCRETE STEEL CO., Trussed Concrete bldg, Detroit, Mich. (See adv. index & branch offices, end of book)
United States Gypsum Co. (Lime & Cementus), 200 Monroe, Chicago, Ill., & Cleveland, O.
Water Paint Co. ("Crown" & "Petrol" Brands), 100 William, New York
Whittaker, W. H. ("Continental"), 245 Front, New York
Wotherspoon Plaster Mills, 1170 B'way, New York, & 725 Vernon av, Long Island City, N. Y.

Wall Paper (Fire-Proof)

Ehret Magnesia Mfg. Co., Land Title Bldg., Phila., Pa.
Gilmour, R. M. Mfg. Co., 105 John, New York

Wall Paper Mfrs.

Allen-Higgins Co., Worcester, Mass.
Art Wall Paper Mills, 1005 W 21st, Chicago, Ill.
Audebert Wall Paper Mills, 218 La Salle, Chicago, Ill.
Baeck Wall Paper Co., 630 W 52d, New York
Bailey Wall Paper Co., 1915 W. 98th, N. W., Cleveland, O.
Beck, F. & Co., 206 W 29th, New York
Becker, Smith & Page (Inc.), Snyder av & S Water, Phila., Pa.
Birge, M. H. & Sons Co., Buffalo, N. Y.
Campbell, Wm. Wall Paper Co., Hackensack, N. J.
Carey Bros. Co., 2228 N 10th, Phila., Pa.
Cecil Paper Co. (Hanging Papers), York, Pa.
Chicago Wall Paper Mills, 47 S Jefferson, Chicago, Ill.
Enterprise Wall Paper Co., 238 N Water, Fairfax Bros., Geneva, N. Y. Phila., Pa.
Geneva Wall Paper Co., Geneva, N. Y.
Gledhill Wall Paper Co., 543 W 34th, New York
Graves, Robert Co., 483 5th av., New York
Hobbs, Benton & Heath, Hoboken, N. J.
Imperial Wall Paper Co., Glens Falls, N. Y.
Ithaca Wall Paper Mills, Ithaca, N. Y.
Janeway & Carpenter, New Brunswick, N. J.
Janeway & Co., New Brunswick, N. J.
McIlvaine, T. J. & Co., Langhorne, Pa.
Maxwell, S. A. & Co., 121 Crosby, New York
Potter Wall Paper Mills, Hoboken, N. J.
Quaker City Wall Paper Co., E Thompson & E Westmoreland, Phila., Pa.
Standard Wall Paper Co., Sandy Hill, N. Y.
Star Wall Paper Mills, Joliet, Ill.
Strahan, Thos. Co., Chelsea, Mass.
Sun Wall Paper Co., Reading, Pa.
Syracuse Paper & Pulp Co., Syracuse, N. Y.
Thomas, Jacob Co., Newark, Del.
Trenton Oil Cloth & Linoleum Co. (Washable), Trenton, N. J.
Wallace Wall Paper Co., Cortland, N. Y.
York Card & Paper Co., York, Pa.
York Wall Paper Co., York, Pa.

*Wall Plug & Tie (Combined)

HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)

Wall Plugs

Carlson Sales Co. ("Carlson" Steel), Oskaloosa, Iowa
Dowman-Dozier Mfg. Co., Atlanta, Ga.
HUNT METAL CORNER CO., Westboro, Mass. (See adv. index, end of book)
Hubbell, Harvey (Inc.), Bridgeport, Conn.

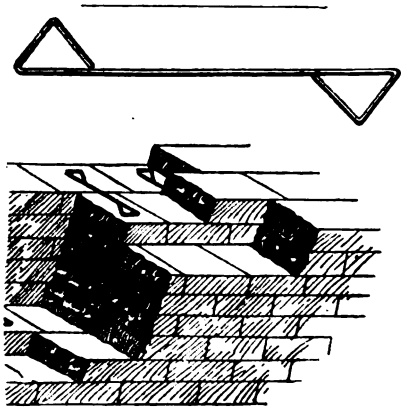
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NIAGARA FALLS METAL STAMPING Works (Galvanized), Niagara Falls, N. Y. (See adv. index, end of book)
Prescott, J. B. & Son ("Rutty" Metal), Webster, Mass.
Pittsburg Channel Pine Co. ("Lincoln"), Malley bldg, New Haven, Conn.

Wall Ties

(See also Veneer & Wall Ties)

AMERICAN ROLLING MILL CO. ("Miami," "Bull Dog"), Middletown, O. (See adv. index, end of book)
Cargill Mfg. Co. ("International"), Buttles av, Columbus, O.
CINCINNATI WALL TIE CO. (Steel), 206 E 5th, Cincinnati, O. (See adv. index, end of book)



CINCINNATI WALL TIE CO
206 East 5th St., CINCINNATI, O.

CLASON ARCHITECTURAL METAL Works, 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Crescent Co. ("Crescent"), Valparaiso, Ind.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duplex Hanger Co., Cleveland, O.
GENERAL FIREPROOFING CO. ("Double Crimp"), Youngstown, O., & 10 E 3d, New York. (See adv. index & branch offices, end of book)
Hamblin & Russell Mfg. Co. ("Standard" Perforated Steel), Worcester, Mass.
Harry, O. K. Steel Works, Dallas, Texas
HUNT METAL CORNER CO. ("Bull Dog," "Twin Wire" & "Never Split"), Westboro, Mass. (See adv. index, end of book)
Hurd & Huggin ("New Yorker"), 316 Hudson, New York
Levering, O. D. ("Capitol," "Buckeye," "Hercules"), 82 N 4th, Columbus, O.
McDowell Mfg. Co. ("Pittsburg" Steel), Pittsburg, Pa.
MERRITT & CO. (Expanded Metal), 94 Arch, Camden, N. J. (See adv. index, end of book)
Minnesota Tank Co., Minneapolis, Minn.
NIAGARA FALLS METAL STAMPING Works ("Niagara," also Veneer Ties, 12 in. Galvanized for Concrete Block Walls), Niagara Falls, N. Y. (See adv. index, end of book)
Patterson Coal & Supply Co. ("Leader"). Successor to Specialty Mfg. Co., Pittsburg, Pa.
Peters, Jas. & Son (Steel), 1934 N Front, Phila., Pa.
Pittsburg Channel Pin Co. ("Lincoln"), Malley bldg, New Haven, Conn.
Prescott, J. B. & Son ("Morse" Ties & Bonds), Webster, Mass.
RIESECK, P. (Wrought Steel), Allegheny av & Rebecca, Pittsburg, Pa. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co. ("St. Paul" Brick Bonds), St. Paul, Minn.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Taft's Eagle Claw Wall Tie Co. ("Taft's Eagle"), Topeka, Kan.
Union Building Material Co. ("Union"), 1 Madison av., New York
Union Specialty Co. ("Union"), Arrot Power bldg, Pittsburg, Pa.
Willis Mfg. Co., Galeburg, Ill.
Wire Specialty Co. (Wire), 43 Fulton, Chicago, Illinois
WRIGHT WIRE CO. ("Clinch"), Worcester, Mass. (See adv. index & branch offices, end of book)

Wardrobes (Office)

Bates, John T., Grand Rapids, Mich.
Hofman, John Co., 35 S. Water, Rochester.
Sargent Mfg. Co., Muskegon, Mich. N. Y.

*Wardrobes (Steel Fireproof)

DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y. (See adv. index & branch offices, end of book)

Wardrobes (Ventilated, School & Hotel)

BERGER MFG. CO., THE. Main Office & Works, Canton, O. (See adv. index & branch offices, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Flexifold Door & Shutter Co. ("Flexifold"), 10 E Worcester, Worcester, Mass.
GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago. (See adv. index, end of book)
WILSON, JAS. G. MFG. CO. Chief Office, 3 W 29th, New York. Mills & Factory, Norfolk, Va. (See adv. index, end of book)

Wash Trays (Porcelain)

(See Bath Tubs, Porcelain)

Washboard Mfrs.

American Mfg. & Novelty Co. ("Warren"), Erie, Pa.
Globe Mfg. Co., Tiffin, O.
Hooper, J. H., Biddeford, Me.
Kanneberg Roofing & Ceiling Co. (Metal), Canton, O.
Luther, Henry Co., Berlin, Wis.
Wabash Screen Door Co., 115 Adams, Chicago, Ill.

Washers (Air)

Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.
Donaldson Co. ("Eureka" Air Washer & Humidifier), 7333 Wentworth av, Chicago, Ill.
New York Blower Co., 25th pl. & Stewart av., Chicago, Ill.; Works: Bucyrus, O.
THOMAS & SMITH (Inc.), 17 S. Carpenter, Chicago, Ill., & 288 Hudson, New York. (See adv. index, end of book)

Washers (Air Brake)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York. (See adv. index & branch offices, end of book)
Continental Rubber Works, Erie, Pa.
Darling Pump & Mfg. Co., Williamsport, Pa.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
U. S. Indestructible Gasket Co., 50 Church, New York

*Washers (Aluminum)

PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

Washers (Basket)

Tower Mfg. Co., Commerce & Elm, Cincinnati, O., & Madison, Ind.

Washers (Bottle & Tumbler)

Whiteman Mfg. Co. ("Lighting"), Canton, O.

Washers (Brass & Copper)

American Iron & Steel Mfg. Co., Lebanon, Pa.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
Brass Goods Mfg. Co., cor. Nevin & Union, Brooklyn, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Chicago Nut Co., 118 W Jackson boul, Chicago, Ill.
Gaynor & Mitchell Mfg. Co. (Brass for Steam, Gas & Water Fittings), Bridgeport, Conn.
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hobbs Mfg. Co., Worcester, Mass.
HUNGERFORD, U. T. BRASS & COPper Co. (Mfrs.' Agts.), 497 Pearl, New York
Humphrey, H. W., Unionville, Conn.
Nicetown Plate Washer Co. (Brass), Nicetown, Phila., Pa.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Plume & Atwood Mfg. Co., Waterbury, Conn.
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Rome Brass & Copper Co., Rome, N. Y.
Steele & Johnson Mfg. Co., Waterbury, Conn.
U. S. Indestructible Gasket Co., 50 Church, New York
WOELKNER & HARRY MANUFACturing Co., 125 Woodbridge, W, Detroit, Mich. (See adv. index, end of book)
Waterbury Brass Co., Waterbury, Conn.
Waterbury Mfg. Co. (Brass Only), Waterbury, Conn.

Washers (Car Box)

(See Washers, Fibre, Etc.)

Washers (Cast Iron)

American Iron & Steel Mfg. Co. (& Spools), Lebanon, Pa.
Bethlehem Foundry & Machine Co. ("Star"), Front, South Bethlehem, Pa.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cheney, S. & Son, Manlius, N. Y.
Columbus Bolt Works, Columbus, O.
Haskell, W. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., 1330 Buttonwood, Phila., Pa.
Keagy & Lear Machine Co., Coshocton, O.
King & Andrews Co. (Cast Iron), 37 N State, Chicago Heights, Ill.
Lanz, M. & Sons, 101 S 29th, Pittsburg, Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburg, Pa.
National Supply Co., 7 W. Lombard, Baltimore, Md.
Nicetown Plate Washer Co., Nicetown, Phila., Pa.
Oliver Iron & Steel Co., Pittsburg, Pa.
Payne's Bolt Works, San Francisco, Cal.
Price-Evans Foundry Co., Chattanooga, Tenn.
South Baltimore Steel Car & Foundry Co., Baltimore, Md.
Stover Mfg. Co., Freeport, Ill.
Stiles Foundry & Supply Co., Parkersburg, W. Va.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
Western Foundry & Sash Weight Co., 189 Miller, St. Louis, Mo.
Wichita Mfg. Co., Wichita, Kan.

Washers (Fibre)

(See also Fibre Manufacturers, Hard)

AMERICAN VULCANIZED FIBRE Co. (Vulcanized for Cock, Spigot, Tap, etc.), Wilmington, Del. (See adv. index, end of book)
Barwood, L. J. Co., 387 Albany, Boston, Mass.
DELAWARE HARD FIBRE CO. (Cock, Spigot, Tap, etc.), Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO. (For All Purposes), Elsmere, Del. (See adv. index, end of book)
Leatheroid Mfg. Co., Kennebunk, Me., & 105 Lincoln, Boston, Mass.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Quadriga Mfg. Co., 18 S. Canal, Chicago, Ill.
Spaulding, J. & Sons Co. (Hard Fibre), Rochester, N. Y.

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WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

Washers (Friction)

Morgan Spring Co., Worcester, Mass.

Washers (Galvanized)

BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
Keystone Nail Co., Phila., Pa.
National Bolt & Nut Co., Pittsburg, Pa.
Nicetown Plate Washer Co., Nicetown, Phila., Pa.

Washers (Graphite)

Graphite Lubricating Co., Boundbrook, N. J.

Washers (Insulating)

AMERICAN VULCANIZED FIBRE Co., Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Eureka Supply Co. (Fibre Insulators), Camden, N. J.
Fox, Jno. M. & Co. ("Fibrine"). Portland, Me.
Henderson Electric Co., 119 Evanston av, Chicago, Ill.
Indiana Leather Stamping Co., Indianapolis, Ind.
Johns, H. W.-Manville Co., 100 William, New York
Leatheroid Mfg. Co., Kennebunk, Me., & 108 Lincoln, Boston, Mass.
Mica Insulator Co., 68 Church, New York
Morley Mfg. Co. ("Milonite," "Perfection," Nails), Boston, Mass.
Parker & Hafner, Williamsport, Pa.
Rhode Island Washer Co., Valley Falls, R. I.
Salem Leather Co., Salem, Mass.
Schoonmaker, Adrian O., 221 Fulton, New York
Sills, W. H. Mica Co., 64 Michigan, Chicago, Ill.
U. S. Indestructible Gasket Co. (Asbestos), 50 Church, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

Washers (Iron & Steel)

Aetna Nut Co. (Wrought Iron), Southington, Conn.
American Iron & Steel Mfg. Co., Lebanon, Pa.
Avery Stamping Co. (Wrought Steel), Cleveland, O.
Beall Bros. (Inc.) (Wrought), Alton, Ill.
BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
Bourne & Knowles Mfg. Co., 1231 Main av, N W, Cleveland, O.
Chisholm Steel Shovel Works (Steel Plate), Cleveland, O.
Cincinnati Screw & Tap Co., Twightwee, O.
Clark Bros. Bolt Co., Millidale, Conn.
Clark & Cowles, Plainville, Conn.
Cobb & Drew, Plymouth, Mass., & Rock Falls, Ill.
Columbus Bolt Works, Columbus, O.
Continental Bolt & Iron Works, 22d & Union, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Dietrich Bros., 344 North, Baltimore, Md.
Eastern Bolt & Nut Co., Providence, R. I.
Falls Rivet & Machine Co., Cuyahoga, O.
Graham Nut Co., W. Carson nr. Point Bridge, Pittsburg, Pa.
Greenlie, Wyatt & Co., 499 Water, New York
Griffin Mfg. Co. (Wrought), Erie, Pa.
Hager, C. & Sons Hinge Mfg. Co., 2427 De Kalb, St. Louis, Mo.
Hall's, Sam'l Sons, 229 W 10th, New York
Haskell, Wm. H. Mfg. Co., Pawtucket, R. I.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hoopes & Townsend Co., 1330 Buttonwood, Philadelphia, Pa.
Hubbard & Co., Pittsburg, Pa.
Humphrey, H. W., Unionville, Conn.
Judson Mfg. Co., San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Krips-Mason Machine Co. (Wrought, "Blue Ribbon," "K. M." Washers, Satin Finish), 1636 N Hutchinson, Phila., Pa.
Lake Erie Iron Co., Wade Bldg, Cleveland, O.
Lamson & Sessions Co. (Plate, etc.), Cleveland, O.
Lanman, E. B. Co. (Wrought Iron), Columbus, Ohio
Lans, Mathew & Sons (Square & Round), 101 S 29th, Pittsburg, Pa.
McKinney Mfg. Co. (Steel), Allegheny, Pa.
Meyer & Co., Auburn, N. Y.
Michigan Bolt & Nut Works, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Mount Carmel Bolt Co., Mount Carmel, Conn.
National Supply Co., 7 W Lombard, Baltimore, Md.
Neely Nut & Bolt Co., S 22d & P. & L. R. R., Pittsburg, Pa.
New Castle Forge & Bolt Co. (Wrought). New Castle, Pa.
New England Bolt & Steel Co., 3 Charlton, Everett, Mass.
Nicetown Plate Washer Co. (Round or Square), Nicetown, Phila., Pa.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Oliver Iron & Steel Co. (Wrought), Pittsburg, Pa.
Parkesburg Iron Co. (Wrought Iron Stamped Washers ¼ to 2½ inches), Parkersburg, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works (Wrought), San Francisco, Cal.
PHOENIX SPECIALTY MFG. CO. (Light Steel), 48 Duane, New York. (See adv. index, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Pittsburg Mfg. Co. (Iron), 28th & Railroad, Pittsburg, Pa
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See ad index, end of book)
Pittsburg Screw & Bolt Co., Liberty av & 25th, Pittsburg, Pa.
Pittsburg Shovel Co. (Steel), Frick bldg, Pittsburg, Pa. Works, Leechburg, Pa.
Plymouth Mills (Small), Plymouth, Mass.
Quadriga Mfg. Co., 18 S Canal, Chicago Ill.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Frick bldg, Annex, Pittsburg, Pa.
Rhode Island Tool Co., Providence, R. I.
Richards, T. C. Hdw. Co., Winsted, Conn.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith, Thos. & Co., Worcester, Mass.
Sessions, J. H. & Son (Steel), Bristol, Conn.
Sparks, Withington Co. (Steel), Jackson, Mich.
STANLEY WORKS (Wrought Steel), New Britain, Conn. (See adv. index & branch offices, end of book)
Stover Mfg. Co., Freeport, Ill.
Taunton Rivet Co. (Steel), Taunton, Mass.
Union Iron Works, Houston, Tex.
Upson Nut Co., Unionville, Conn., & Cleveland, Ohio
VOELKNER & HARRY MANUFACturing Co. (Steel Only), 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)
W. & S. Mfg. Co., Worcester, Mass.
Wilcox, Crittenden & Co., Middletown, Conn.
Wilmington Malleable Iron Co. (Malleable Iron), Wilmington, Del.
Wrought Washer Mfg. Co. (Wrought & Steel Plate of all Kinds), Milwaukee, Wis.

Washers (Lead)

EDWARDS MFG. CO., 545-565 Eggleston av. Cincinnati, O. (See adv. index, end of book)
Littleford Bros., 453 E. Pearl, Cincinnati, O.
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Selby Smelting & Lead Co., San Francisco, Cal.
Tatham & Bros., 261 Water, New York
U. S. Indestructible Gasket Co. (And Alloys), 50 Church, New York
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)

Washers (Leather)

Auburn Auto Pump Co., Auburn, N. Y.
Barwood, L. J. Co., 387 Albany, Boston, Mass.
Bay State Leather Axle Washer Co., 80 High, Boston, Mass.
Bell, Andrew ("Boss"), 371 Market, Newark, N. J.
Chicago Rawhide Mfg. Co. (Rawhide), 75 E. Ohio, Chicago, Ill.
Bell, Andrew ("Boss"), 371 Market, Newark, N. J.
Chicago Rawhide Mfg. Co. (Rawhide), 75 E Ohio, Chicago, Ill.
Climax Specialty Co., Elmira, N. Y.
Darling Pump & Mfg. Co., Williamsport, Pa.
Detroit Leather Specialty Co., Detroit, Mich.
Glauber, M. & Co., 317 E 58th, New York
Glauber, Samuel S., 1395 3d av, New York
Graton & Knight Mfg. Co., Worcester, Mass.
Goodsell Packing Co. ("New Century"), 33 S Canal, Chicago, Ill.
Hoffeld, R. & Co. (For Leather), 61 Carroll, Buffalo, N. Y.
Houghton, E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.

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Special sizes on short notice.

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Jenkins Bros., 71 John, New York
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Marston, I. G. & Co., 226 Ruggles, Boston, Mass.
Mitchell, E. J. & Co., 327 Van Buren, Brooklyn, N. Y.
National Leather Mfg. Co., Niles, Mich.
New Process Raw Hide Co., Syracuse, N. Y.
New York Washer Works, 78 Barrow, New York
Nott, W. S. Co., Minneapolis, Minn.
Ogden, C. S. (Plumbers & Pump), 676 E 159th, New York
Page Belting Co., Concord, N. H.
Providence Belting Co., ("Champion" Sole Leather), 25 Charles, Providence, R. I.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Sovereign, C. E. Co., (All kinds, up to 10 in. Diameter), Rockford, Ill.
Standard Leather Washer Mfg. Co. (Axle), Newark, N. J.
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)

Washers (Lock)

American Steel Spring Co. ("Amco," "National," "Positive," "Mason," "Verona"), 2 Rector, New York
Boston Bolt Co., 40 Farnsworth, Boston, Mass.
Hobbs Mfg. Co., Worcester, Mass.
National Lock Washer Co., 65 Johnson, Newark, N. J.
Positive Lock Washer Co., Ave A & Miller st, Newark, N. J.
United States Whip Co., Westfield, Mass.
Verona Tool Works, Murtland bldg, Pittsburg, Pa.
Voelkner & Harry Mfg. Co., 123 W. Woodbridge, Detroit, Mich.
Whittleset, H. E. & Sons, Corry, Pa.

Washers (Milk Can)

Stoddard Mfg. Co., Rutland, Vt.

Washers (Name Plate)

Wolverine Brass Works, Grand Rapids, Mich.

Washers (Nickel Plated)

BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
Springfield Machine Screw Co., Springfield, Mass.
U. S. Indestructible Gasket Co., 50 Church, New York

*Washers (Paper)

PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)

Washers (Phosphor Bronze)

Phosphor Bronze Smelting Co., 2200 Wash'n av., Phila., Pa.

Washers (Plumbers')

AMERICAN VULCANIZED FIBRE Co. (Vulcanized Fibre), Wilmington, Del. (See adv. index, end of book)
Bell, Andrew ("Bell"), Newark, N. J.
BERNZ, OTTO, S., 13th & S. Orange av., Newark, N. J. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshalltown, Del. (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Grabler Mfg. Co. (Basin Cock, etc.), Cleveland, O.
Plume & Atwood Mfg. Co. (Brass, etc.), Waterbury, Conn.
PENNSYLVANIA RUBBER CO. (Rubber Bibb, Waste, etc.), Jeannette, Pa. (See adv. index & branch offices, end of book)
Rhode Island Washer Co., Valley Falls, R. I.
U. S. Indestructible Gasket Co., 50 Church, New York
Williams, D. B., 2047 Market, Phila., Pa.
Wolverine Brass Works (Nickel Plated), Grand Rapids, Mich.

Washers (Rubber)

BOSTON BELTING CO., 260 Devonshire, Boston, Mass.; 100 Reade, New York. (See adv. index, & branch offices, end of book)
Boston Woven Hose & Rubber Co., Executive Office & Factory, Cambridgeport, Mass.
Canfield, H. O. Co., Bridgeport, Conn.
Consolidated Rubber Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa.
Crescent Belting & Packing Co., Trenton, N. J.
Elkhart Rubber Works, Elkhart, Ind.
Empire Rubber Mfg. Co., Trenton, N. J., & 60 Reade, New York
Goodrich, B. F. Co., Akron, O.
Goodyear Rubber Co., 787 B'way, New York, & 107 Lake, Chicago, Ill.
Gutta Percha Rubber & Mfg. Co., 126 Duane, New York.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hartford Rubber Works Co., Hartford, Conn., & 83 Michigan av, Chicago, Ill.
Home Rubber Co., Trenton, N. J.
International Rubber Co., Milltown, N. J.
Manhattan Rubber Mfg. Co., 126 Duane, New York, & 96 Lake, Chicago, Ill
Marston, I. G. & Co. (Machine Cut), Boston, Mass.
Mechanical Rubber Co., 78 Reade, New York.
Morgan & Wright (Inc.), Detroit, Mich.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. (Ltd.), 91 Chambers, New York
PENNSYLVANIA RUBBER CO., Jeannette, Pa. (See adv. index & branch offices, end of book)
PHOENIX SPECIALTY MFG. CO., 48 Duane, New York. (See adv. index, end of book)
Revere Rubber Co., 77 Bedford, Boston, Mass.
Stokes, Jos. Rubber Co., Trenton, N. J.
Thermoid Rubber Co., Trenton, N. J.
Trenton Rubber Mfg. Co., Trenton, N. J.
United & Globe Rubber Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J., & 48 Dey, New York
Whitehead Bros. Rubber Co., Trenton, N. J.

Washers (Special Sizes, Any Material)

BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
PHILADELPHIA MACHINE SCREW Works, Race & Sheridan, Phila., Pa. (See adv. index, end of book)
Quadriga Mfg. Co., 18 South Canal, Chicago, Ill.

*Washers (Square)

BETTCHER MFG. CO., Clark av, at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
PITTSBURGH RIVET CO., 38th & Junction R. R., Pittsburgh, Pa. (See adv. index, end of book)

Washers (Street & Hydrant)

Connolly, P., 1154 Atlantic av, Brooklyn, N.Y.
CORNELL & UNDERHILL, 47 Beach, New York. (See adv. index, end of book)
Dayton Supply Co., Dayton, Ohio.
Kupferle, John C. Foundry Co., St. Louis, Mo.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Murdock Mfg. & Supply Co., 428 Plum, Cincinnati, O.
Myers, F. E. & Bro., Ashland, O.
Pleuger & Henger Mfg. Co., 11th & Hebert, St. Louis, Mo.
Rumsey & Co. (Ltd.), Seneca Falls, N. Y.

Washers (Tin)

BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O (See adv. index, end of book)
Humphreys, H. W. (Carpet, etc.), Unionville, Conn.
National Sheet Metal Co. (Also Brass & Nickel Tin & Zinc), Peru, Ill.
U. S. Indestructible Gasket Co., 50 Church, New York
VOELKNER & HARRY MANUFACturing Co., 125 Woodbridge W, Detroit, Mich. (See adv. index, end of book)

Washers (Tumbler)

Bishop & Babcock Co. ("Canton" & "Lightning"), 49th & Hamilton, Cleveland, O.

Washers (Vehicle)

Ardrey Vehicle Washer Co., Rochester, N. Y.
BETTCHER MFG. CO., Clark av. at C C C & St. L Ry, S W, Cleveland, O. (See adv. index, end of book)
Columbus Bolt Works, Columbus, O.
Ideal Carriage Washer Co. ("Ideal" Overhead Revolving Hose Arms & Nozzle), Rochester, N. Y.
Invincible Fire Armor Co. (Combination Mop & Wringer), Hartley, Ia
Long & Mann Co. ("L. & M." Nozzle & Mop), Rochester, N. Y.
Nicholsburg, H. Mfg. Co. (Automobile), 68 Dey New York
Perfect Mfg. Co. (Automobile, "Perfect"), Saratoga Springs, N. Y.
Ryan & Long ("Perfection," Overhead), Appleton, Wis.
Smith, I. J. Mfg. Co. ("Irving," Overhead), 4283 Park av, New York
Star Brass Works ("Star"), 14 S Jefferson, Chicago, Ill.
Warren, Marion Co. ("Warren's Alright" Nozzles), Rochester, N. Y.
Vehicle Specialty Co. ("Excelsior," Revolving Overhead, "No. 2 Superior," Illuminating Overhead), Hartford, Conn.

Washers (Wire)

Raymond Mfg. Co., Corry, Pa.

Washers (Wrought Iron & Steel)

(See Washers, Iron & Steel)

Washers & Burrs (Brass & Copper)

(See Washers, Brass & Copper)

Washing Machines

Acme Washing Machine Co. ("Acme"), Columbus, O.
Adams Laundry Machinery Co., 1935 6th av, Troy, N. Y.
American Laundry & Machinery Co. ("Norwood"), Cincinnati, O.; 132 W 27th, New York
American Wooden Ware Mfg. Co. ("Everybody's" Rotary, "Toledo" Rotary, "American" Rotary, "Western," "Run-Easy," "Monarch" Rotary & Electric Motor), Toledo, O.
Baughman, N. C. ("New Miller"), York, Pa.
Blackstone Mfg. Co. ("American," "Union," "Blackstone," "Challenge," "Chautauqua," "Sun," "Western," "Pan American," "Western-Defender"), Jamestown, N. Y.
Bluffton Mfg. Co. ("American," "Rainbow," "Western," "Western American"), Bluffton, Md.
Boss Washing Machine Co. ("Banner," "Banner Rotary," "Boss Rotary," "Champion," "Cincinnati Western," "Dieta," "Improved Globe," "New Standard," "Uneeda American," "X-L"), Cincinnati, Ohio
Brammer, H. F. Mfg. Co. ("B. B." "Brammer" "Columbia," "Columbia Toy," "Great Western," "O. J. C.," "Original Brammer," "Peacemaker," "Snow E. White," "Schroeder"), Davenport, Ia.
Brown, M. & Co. ("United States"), Wapakoneta, O.
Buckeye Churn Co. ("Buckeye," "Hero," "Queen"), Sidney, O.
Buckeye Motor Mfg. Co. (Motor), Dayton, O.
Clark, Quinn & Morse ("Peoria"), Peoria, Ill.
Climax Washer Co. ("Climax," "New Century"), Oakville, Ind.
Drumm, Manuel ("Champion," "Drumm's Best"), Tipton, Mo.
Empire Washer Co., Jamestown, N. Y.
Froelich Mfg. Co., St. Paul, Minn.
Gee-Whizz Mfg. Co. ("Gee Whizz"), Des Moines, Ia.
Glascock Bros. Mfg. Co. ("Handy," "New Era"), Muncie, Ind.
Globe Mfg. Co. ("Quicker Yet"), Perry, Ia.
Hagen, A. T. Co., Rochester, N. Y., & 26 S Clinton, Chicago, Ill.
Horton Mfg. Co. ("American," "Globe," "Horton," "Wayne," "Western"), Fort Wayne, Ind.

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Howe, A. D. Machine Co. (Water Power), Wheeling, W. Va.
Huenfeld, E. H. Co. (Inc.) ("Royal"), Cincinnati, O.
Hurley Machine Co. ("Thor Electric"), 153 S Jefferson, Chicago, Ill.
Imperial Motor Works ("Imperial" Gearless), Grove City, Pa.
International Mfg. Co. ("Wizard"), Omaha, Neb.
Mears Rubber Co. ("Perfect"), 388 B'way, Brooklyn, N. Y.
Michigan Washing Machine Co. ("Guarantee," "Peerless"), Muskegon, Mich.
Miller, Wm. S. ("Home Gem"), Meyersdale, Pa.
Nineteen Hundred Washer Co. ("Nineteen Hundred"), Binghamton, N. Y.
Oaks Mfg. Co. ("Pedigo Perfection," "Peerless"), Bloomington, Ind.
Paragon Mfg. Co., 1373 Carroll av, Chicago, Ill.
Parsons Hawkeye Mfg. Co. ("Pastime"), Newton, Ia.
Queen Washer Co. ("Queen"), Reading, Pa.
Ross, C. E. ("World," "Star"), Lincoln, Ill.
Schriver, O. P. & Co. ("I. X. L."), Cincinnati, Ohio
Standard Churn Co. ("Standard"), Wapakoneta, Ohio
Standard Mfg. Co. ("Leader"), Shelby, Ohio.
Steel Roll Machine Co. (Hand or Belt Power), 254 E Madison, Chicago, Ill.
Trappe, Chas. H. ("Sucker State"), Mascoutah, Ill.
Twentieth Century Mfg. Co. ("Twentieth Century"), Mansfield, O.
U. S. Washing Machine Co. ("United States"), Racine, Wis.
Voss Bros. Mfg. Co. ("Eagle High Speed," "High Speed," "Rotary," "Ocean Wave"), Davenport, Ia.
Walker Mfg. Co. ("Five Minutes"), Council Bluffs, Ia.
Wayne Mfg. Co. ("Excelsior" Cylinder, "Wayne"), St. Louis, Mo.
Waverly Woodenware Works ("Waverly"), St. Joseph, Mo.
White Lily Washer Co. ("White Lily," "White Rose," "White Daisy"), Davenport, Ia.
Wiard Mfg. Co. ("Wiard's Standard"), East Avon, N. Y.

Waste (Cotton & Wool Mfrs.)

Adams Bros., 571 Atlantic av, Boston, Mass.
Allison, G. F. & Co., Utica, N. Y.
Andres, Fr. Jac. (Inc.), 127 Federal, Boston, Mass.
Barton & Cookson, Fitchburg, Mass.
Bishop, Robt., Mfg. Co., 157 W. 6th, Boston,
Blaisdell, S., Jr., Co., Chicopee, Mass. Mass.
Blakeley, Jno. & Son (Cotton & Wool), 1055 Gtn av, Philadelphia, Pa.
Bowman, D. F., New Albany, Ind.
Briggs, H. A. & Co. (Cotton), Pawtucket, R. I.
BRODERICK & BASCOM ROPE CO. (All Grades), 809 N Main, St. Louis, Mo. (See adv. index, end of book)
Brooks, Geo B. (Wiping), Providence, R. I.
Capron, Chas. C. (Wool), Uxbridge, Mass.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Cheney, P. C., Co. (Cotton), Manchester,
Coburn, Walter & Co., Lowell, Mass. N. H.
Crefeld Waste & Batting Co., Saylesville, R. I.
Crerar, Adams & Co. (Jobbers), 11 5th av., Chicago, Ill.
Detroit Waste Works, Detroit, Mich.
Devlin, Chas. (Cotton & Wool), Hilton & Kensington, Phila., Pa.
Devon Mills (George S. Browne, Prop'r), (Machined), Providence, R. I.
Dixon, Wm. F. & Son (Cotton & Wool), Manayunk, Philadelphia, Pa.
Egan, K., & Co. Baltimore Waste Co., Baltimore, Md.
Estes Mills (Inc.), (Machy. Wiping), Fall River, Mass.
Frankford Waste Co., Fkd., Phila., Pa.
Franklin Mfg. Co. (Wool Waste), Franklin, Pa.
Fredlander, Julius & Co. (Cotton Waste & Linters), Columbus, Ga.
Gallagher, D. J., Mfg. Co., 283 S. Canal, Chicago, Ill.
Graves, Frank B. (Wool), Albany, N. Y.
Hagy, Clayton L. & Son, 16th & Carpenter, Phila., Pa.
Hagy, J. Milton, Waste Works (Ltd.), Bourse bldg., Phila., Pa.
Hill & Cutler, 567 Atlantic av, Boston, Mass.
Hirsch, I. C. Iron, Steel & Rail Co. ("I. C. H.") Wiping Waste), Cincinnati, O.
Hoffman-Corr Mfg. Co., 55 White, New York
Houghton, E. F. & Co. (Cottog), 240 W. Somerset, Phila., Pa.
Lehmer, Jos. R. (Dealer), Omaha, Neb.
Lewis, Jas. B. (Cotton Wiping Waste), Walpole, Mass.
Lewis Bros., Fall River, Mass.
Lillie, Dexter, P. & Co., Springfield, Mass.
McGrath, Jno. J. (Also Packing, Wiping, etc.), 1338 N Front, Phila., Pa.
Massasoit Mfg. Co., Fall River, Mass.
Mayo, A. N. & Co., Springfield, Mass.
Milton, Hagy J. Waste Works (Ltd.), Bourse bldg., Phila., Pa.
Mohawk Mfg. Co. (Cotton & Wool), Oswego, N. Y.
Moore, Geo. C. (Wool), N Chelmsford, Mass.
Olmstead & Tuttle Co. (For R. R. & Machinery, etc.), Chicopee, Mass.
O'Neill Bros. (For R. R. Purposes, etc.), Oxford & Howard, Phila., Pa.
Peck, Asa & Co. (Cotton & Wool), Providence, R. I.
Railway Supply & Mfg. Co. (Inc.), 1242 Harrison av, Cincinnati, O.
Riverside Mills, Augusta, Ga.
Rodney, Wallace, Fitchburg, Mass.
Springfield Waste Co. (Cotton Packing & Wiping Waste), Springfield, Mass.
STRONG COTTON WASTE & MFG. Co. ("Strong's" White & Colored), 48 Franklin, New York. (See adv. index, end of book)
Sykes, David (Also Wool & Wool Waste for Railroads), Dauphin & Amber, Phila., Pa.
Troy Waste Mfg. Co., Troy, N. Y.
Union Wadding Co. (Wiping), Pawtucket, R. I.
United Waste Mfg. Co., Troy, N. Y.
Wallace, Rodney, Fitchburg, Mass.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)

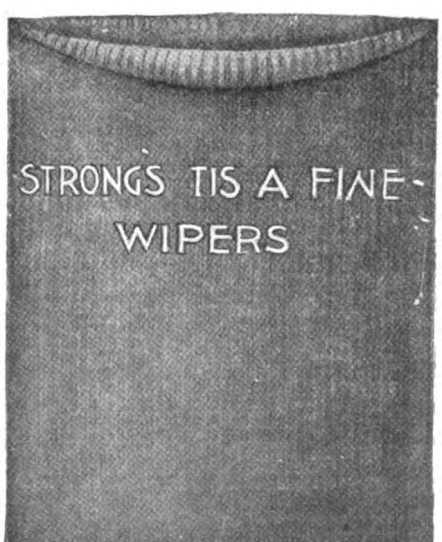
Waste Heat Utilizers

(See Fuel Economizers)

Waste & Overflows (Bath)

A. D. Mfg. Co. ("Romeyn" Connected), Detroit, Mich.

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EXTRA WHITE — No. 1 WHITE — B WHITE

Try a bale of our B White Machined Waste at 8¼ cents per lb.
We believe you will find it better value for your money than any other waste on the market.

COLORED WASTE — FANCY COLORED — No. 1 COLORED AND PARTLY COLORED

WOOL WASTE — All Grades

STRONG'S COTTON WIPER TOWELS

Strong's Tisafine Wiper Towels, 12 x 18 inches . 4 cts. each
" Lightning " " 12 x 13 " . 3¼ cts. each
" Magic " " 12 x 12 " . 3 cts. each
" Regular Wipers—Hosiery Remnants, as they run, 1 square foot up . . . 15 cts. per lb.
" Silk Wiper Towels, 12 x 14 inches . $7.00 per gross

Strong Cotton Waste & Mfg. Co.

48 FRANKLIN STREET, N. Y. C.

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Climax Specialty Co., Elmira, N. Y.
Edwardsville Brass Co., Edwardsville, Ill.
Milwaukee Brass Mfg. Co., 241 Lapham, Milwaukee, Wis.
Morrison-Kretschmer Co. ("Morrison"), Dubuque Iowa
National Mfg. & Supply Co., Minneapolis, Minn.
Ohio Brass & Iron Mfg. Co., Cleveland, O.
Wolverine Brass Works, Grand Rapids, Mich

*Watch Case Materials

UNITED WIRE & SUPPLY CO. (Gold & Silver, Sheet, Flat Plate, Wire, Plated Wire, Solder, etc.), 109 Summer, Providence, R. I. (See adv. index, end of book)

Watch Crystals

Bache, Semon & Co., West & Hubert, New York

Watchman's Time Detectors

(See Clocks, Watchman's; also Time Recorders)

Water Bottles (Rubber)

Faultless Rubber Co., Ashland, O.
Goodrich, B. F. Co., Akron, O.
Imperial Rubber Co., Canton, O.

Water Closet Mfrs.

Adee, Fred. & Co., 44 Cliff, New York
Aird-Don Co., 411 River, Troy, N. Y.
Bailey-Farrell Mfg. Co., Pittsburg, Pa.
Barrett, Jas. Mfg. Co., 211 Franklin, Boston, Mass.
Blessing, C. A., 515 Montgomery av., Phila., Pa
Central Brass Works ("Standard"), Kansas City, Mo.
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Colwell Lead Co., 109 Lafayette, N. Y.
Connolly, P. (Non-Freezing Outdoor), 1154 Atlantic av, Brooklyn, N. Y.
Cooper, W. S. Brass Works, Phila., Pa.
Dalton-Ingersoll Mfg. Co., 169 High, Boston, Mass.
Day Metallic Co. (Steel Enameled), Detroit, Mich.
Dececo Co., 155 High, Boston, Mass.
Dimock & Fink Co., 220 E 125th, New York
Douglas, John Co., 906 Poplar, Cincinnati, O.
Du Bois, F. N. & Co., 245 9th av, N. Y.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Fisher, E. W. Co., Cleveland, O.
Fleck Bros., 44 N 5th, Phila., Pa.
Fort Pitt Supply Co., 332 2d av., Pittsburg, Pa.
Froelish Bros., 142 N 7th, Phila., Pa.
Gibson, Thos. Co. 633 Walnut, Cincinnati, O.
Great Western Pottery Co. ("Venice" Extension Back Outlet Vitreous China, Washdown), Kokomo, Ind.
Haas, Philip ("Haas" Frost Proof), Dayton, O.
Haines, Jones & Cadbury Co. ("Frosto," "Pit-No," Frost Proof), 1136 Ridge av, Phila., Pa.
Hamilton, Jno. H., 71 Charlotte av., Detroit, Mich.
Hercules Iron & Supply Co., 427 Commercial, Boston, Mass., & Anniston, Ala
Hess, Chas. Co. ("Hess" for Export), 129 Front, New York
Holbrook Merrill & Stetson (Combinations), 221 Market, San Francisco, Cal.
Hussey, Wm. H. & Son, 150 W 35th, New York
Hyde, Thomas, Albany, N. Y.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
Kelly, Thos. & Bros. (Self-Acting & "Kelly" Seat Action), Congress & 46th av., Chicago, Ill.
Kenney Mfg. Co. ("Flushometer"), 36 E 22d, New York
Knott-Van Arnam Mfg. Co., Fort Wayne, Ind.
Kohler, J. M. Sons Co. (Enameled Iron), Sheboygan, Wis.
Lipp, Louis Co., Cincinnati, O.
McCambridge & Co., 315 N. 20th, Phila., Pa.
McDonald, A. Y. Co., 111 Lake, Chicago, Ill.
Maddock, Thos. Sons Co., Trenton, N. J.
Mayor, Lane & Co., 128 White, New York
Merkel Bros., Canal & Jackson, Cincinnati, O.
Meyer-Sniffen Co. (Ltd.), 11 W. 36th
Morrison-Kretschmer Co., Dubuque, Ia.
Mott, J. L. Iron Works, 118 5th av., New York
Mowry & Phillips, 197 High, Boston, Mass.
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Newell Brass Mfg. Co., 445 N. Broad, Phila., Pa.
Nunn Brass Works, 17 Wentworth, Rochester, N. Y.
Owen & Salter, N 12th c Buttonwood, Phila., Pa.
Park & McKay Co., 55 Bagley av, Detroit, Mich.
Peck Bros. & Co. (Combination), 127 Chestnut, New Haven, Conn.
Pfau Mfg. Co., 536 Reading rd, Cincinnati, O.
Pierce, Butler & Pierce Mfg. Co. (Combinations, "Silent," "Comfort," "Monarch," "Victor," "Perfect," "Automatic"), Syracuse, N. Y.
Pittsburg Brass Mfg. Co., Penn. av & 32d, Pittsburg, Pa.
Pittsburg Supply Co., 226 1st av, Pittsburg, Pa.
Robertson, Jas. Mfg. Co., 14 S Hanover, Baltimore, Md.
Rumsey, L. M. Mfg. Co., St. Louis, Mo.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Sanitary Mfg. Co., Hamilton, O.
Sanitas Mfg. Co., 48 Union, Boston, Mass.
SIMMONS, JNO. CO. ("Rothchild" Flushometer), 106 Centre, New York. (See adv. index, end of book)
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.
Sumner & Goodwin Co., Boston, Mass.
Vannevar, Edmund B. & Co. (Yacht), 58 Fulton, Boston, Mass.
Walker Mfg. & Supply Co., Detroit, Mich.
Walls, Owen & Stambach Co. ("Naturo") 50 N. 7th, Phila., Pa.
Wolff, L. Mfg. Co., 117 W. Lake, Chicago, Ill.
Zero Valve & Brass Mfg. Co., 417 Chicago, Buffalo, N. Y.

Water Closet Plunger & Waste Pipe Cleaner

Anson & Pratt, Hastings, Neb.
Climax Specialty Co., Elmira, N. Y.
Lord, L. L. Co. ("Lord"), Meadville Pa.
Young, Joseph H., 80 High, Boston, Mass.

Water Closet Pulls

(See Pulls, Closet)

Water Closet Range

(See also Water Closets, School, Institution, Etc.)

Clow, Jas. B. & Sons (Syphon Jet), 344 Franklin, Chicago, Ill.
Haines, Jones & Cadbury Co. ("Syphon," "Education," "Brighton"), Open Range and Washout), 1136 Ridge av, Phila., Pa.
Illinois Malleable Iron Co., 515 Diversey Boul., Chicago, Ill.
Lewis & Kitchen, 901 B'way, Kansas City, Mo.
Millar, Chas. & Son Co. (Washout & Syphon), Utica, N. Y.
Mott, J. L. Iron Works, 118 5th av, New York
Nelson, N. O. Mfg. Co. (Pneumatic Syphon Hopper Latunes), St. Louis, Mo.
Standard Sanitary Mfg. Co. (Automatic Syphon Jet), Bessemer bldg, Pittsburg, Pa.

Water Closet Seats & Tanks

(See Plumbers' Woodwork)

Water Closets (Anti-Freezing)

Central Brass Works ("Standard"), Kansas City, Mo.
Kelly, Thos. & Bro. ("Kelly" Seat Action after Flush), Congress & 46th av, Chicago, Ill.
Pittsburg Brass Mfg. Co. ("Payne"), Penn av & 32d, Pittsburg, Pa.
Zero Valve & Brass Mfg. Co., 417 Chicago, Buffalo, N. Y.

Water Closets (Low-Down Combination)

Colwell Lead Co., 109 Lafayette, New York
Cooper, Wm. S. Brass Works, 437 N 12th, Phila., Pa.
Dalton-Ingersoll Co., 175 High, Boston, Mass.
Fleck Bros. Co., Phila., Pa.
Fort Pitt Supply Co. ("Morus"), 332 2d av, Pittsburg, Pa.
Humphryes Mfg. Co. ("Clipper" Syphon Jet & Syphon Washdown), Mansfield, O.
Ideal Mfg. Co., 546 Franklin, Detroit, Mich.
Kelly, Thos. & Bros., Congress & 46th av, Chicago, Ill.
Knott-Van Arnam Mfg. Co., Fort Wayne, Ind.
Morrison-Kretschmer Co. ("Morrison" Syphon, Double Flush), Dubuque, Iowa
National Supply Co., Toledo, O.
Pittsburg Brass Mfg. Co. ("Bak-Push"), 3132 Penn av, Pittsburg, Pa.
Sanitary Mfg. Co., Hamilton, O.

Water Closets (School, Institution, Etc.)

(See also Water Closet Range)

Adee, Fred & Co., 44 Cliff, New York
Aird-Don Co., Troy, N. Y.
Clow, Jas. B. & Sons, 344 Franklin, Chicago, Ill.
Federal-Huber Co., Halsted & Fulton, Chicago, Ill., & 244 5th av, New York
Illinois Malleable Iron Co., 30 W Monroe, Chicago, Ill.
Kelly, Thos. & Bros. ("Kelly" Seat Action), Congress & 46th av, Chicago, Ill.
Kenney Mfg. Co., 36 E 22d, New York
Meyer-Sniffen Co., 5 E 19th, New York
Morrison-Kretschmer Co. ("Morrison" Automatic), Dubuque, Ia.
Mott, J. L., Iron Works, 118 5th av, New York
Nelson, N. O. Mfg. Co., St. Louis, Mo.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburg, Pa.

Water Closets (Ship)

Bishop's, Wm. Sons, 205 South, New York
Curtiss Co., 20 Fulton, New York
Goblet-Dolan Co., 126 Front, New York
Jenkins Mfg. Co., 20 Vesey, New York
Kelly, Thos. & Bro., Congress & 46th av, Chicago, Ill.
McCambridge & Co. (Ltd.) ("Perfecto"), 332 Cherry, Phila., Pa.
Mott, J. L., Iron Works, 118 5th av, N. Y.
Sands, Alfred B. & Son Co., 20 Vesey, New York
Webb, F. W. Mfg. Co., Boston, Mass.

Water Columns or Stations (Railroad)

(See also Towers & Tanks, Water; also Cranes, Locomotive Water)

American Valve & Meter Co. ("Poage's"), 1119 Gest, Cincinnati, O.
Best Mfg. Co. (Gulland's Valve & Water Column), Pittsburg, Pa.
FAIRBANKS, MORSE & CO., Wabash av. & Elredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Otto Gas Engine Works, 33d & Walnut, Phila.,
Sheffield Car Co., Three Rivers, Mich. Pa.
Thompson, J. & Co., c Van Horn & Sophia, Phila., Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.

Water Columns (Plain)

American Steam Gauge & Valve Mfg. Co., Boston, Mass.
Ashton Valve Co., Boston, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Butler, Robt. ("Klenest"), Boston, Mass.
Central Brass Works, Cincinnati, O.
Clarke, Robt., Sheepshead Bay, Brooklyn, N. Y.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE Co., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Haydenville Co., Haydenville, Mass.
Illinois Malleable Iron Co., 515 Diversey boul.
Jarecki Mfg. Co., Erie, Pa. Chicago, Ill.
Kelly & Jones Co., Pittsburg, Pa.
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNob & Harlin Mfg. Co., 56 John, New York
Michigan Lubricator Co., Detroit, Mich.
Nason Mfg. Co., 85 Liberty, New York
National Gauge Co., 168 8th, Brooklyn, N. Y.
National Tube Co. ("Kewanee," for Heavy Heating Boilers, etc.), Pittsburg, Pa.
Pittsburg Valve & Fittings Co., Barberton, O.
Queen City Brass & Iron Works, Cincinnati, O.
Ross Steam Specialty Co., 140 Cedar, New York
Schaeffer & Budenberg Mfg. Co., 963 Kent av, Brooklyn, N. Y.
Steigert, Leopold, Cincinnati, O.
Walworth Mfg. Co., Boston, Mass.

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Water Columns (Safety)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Binghamton Machine Tool Works ("Turner"), Binghamton, N. Y.
Collins Mfg. Co., 612 Chestnut, Phila., Pa.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE CO., 97 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
INDUSTRIAL INSTRUMENT CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Jarvis Engine & Machine Works ("Jarvis," "Our Pet"), Lansing, Mich.
Kitts Mfg. Co., Oswego, N. Y.
Lawler Regulator Co., 478 W B'way, New York
LUNKENHEIMER CO. ("Vigilant" Combination), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
Murray Automatic Boiler Feed Co., 892 Scotten av, Detroit, Mich
PITTSBURGH GAGE & SUPPLY CO. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa. (See adv. index, end of book)
Reliance Gauge Column Co. ("Reliance"), Cleveland, O.
Sims Co., Erie, Pa.
Williams, D. T. Valve Co., Cincinnati, O.
Williams Gauge Co. ("Williams" High & Low Alarm), Pittsburg, Pa.
Wright Mfg. Co. ("Wright"), Detroit, Mich.

*Water Fronts for Stoves

COHOES IRON FOUNDRY & MAchine Co., Cohoes, N. Y. (See adv. index, end of book)

Water Gates

(See Valves, Gate, for Water Mains)

Water Lifts (Automatic)

(See Lifts, Water)

Water Main Cleaning

National Water Main Cleaning Co., 27 William, New York

Water Ozonating & Purifying Plants

Ozone Company of America, 141 Clinton, Chicago, Ill.

*Waterproof Board ("Beaver")

BEAVER MFG. CO., THE, 228 Perry st., Buffalo, N. Y. (See adv. index, end of book)

BEAVER BOARD
The Modern Wall & Ceiling Material
Takes Place of Both Lath and Plaster

Waterproof Wrapping (Cloth-Lined)

Angier Mills ("Keepdry"), Quincy, Mass.

Waterproofing Cloth

Lehon Co., W 43d & Lincoln, Chicago, Ill.

Waterproofing Compounds

(See Waterproofing Materials)

Waterprooofing Materials

Abbey, Dodge Brooks Concrete Co. ("Novoid"), Newark, N. J.
Alaska Waterproofing Co., Ashland, Ky.
AMERICAN CEMENT CO. (Brick, Cement & Concrete), 80 William, New York. (See adv. index end of book)
American Cement Waterproofing Co. ("Aquabar"), Heed Bldg., Phila., Pa.
American Diamond Blast Co. ("Anto-Hydro" Cement), 50 Church, New York.
Antihydrine Co. (Antihydrine), Washington bldg, New Haven, Conn.
Aquabar Co. ("Aquabar"), 436 N. 12th, Phila., Pa.
C. I. Waterproofing Co. (C. I. Waterproofing Compound), Oakland, Cal.
CABOT, SAML. (Brick, Stone & Cement), 141 Milk, Boston, Mass. (See adv. index & branch offices, end of book)
Century Cement Fluid Co. ("Century" Cement Fluid), Madisonville, O.
Chicago Ironite Co. ("Ironite"), 92 La Salle, Chicago, Ill.
Consolidated Water Proof Co., Erie, Pa.
De Smet, Geo. W. ("Dehydratine" & "Symentrex" Liquid Concrete), 138 Washington, Chicago, Ill.
Diamond Waterproofing Co. ("Diamond" Liquid), Springfield, O.
Elaterite Paint & Mfg. Co. ("Ideal" Cement), Des Moines, Iowa
Flexible Compound Co., 3607 Haverford av, Phila., Pa.
Glidden Varnish Co. ("Glidden's Waterproof Concrete & Cement Floor Dressing), Rockefeller Bldg., Cleveland, O.
Gould Gibralter Paint Co. ("Gibralter"), 32 Union Sq., New York.
GROSCHE, BRUNO & CO. (Cement, Concrete, etc.), 13 Jones La., New York. (See adv. index, end of book)
Grote, Geo. W. & Co., 432 E 102d, New York
Horn, A. C. Co. (Symentrex & Dehydrating), 8 Burling sl, New York
Hydrex Felt & Engineering Co. ("Hydrex" Compound & Felt), 120 Liberty, New York. Factory, East Walpole, Mass.
Ironite Co. ("Ironite" for Concrete, Brick & Stone), 84 La Salle, Chicago, Ill.
Kessler, Flauts Co. ("Kessler"), 43 W. 27th, New York.
Knickerbocker Chemical Co. (Boonnan's Noflax Asphalt, "Aquasex"), 24 Stone, New York.
Koch, Theo. F. & Co. ("Wunner's" Bitumen-Emulsion for Cement or Concrete), 79 Dearborn, Chicago, Ill.
Maumee Chemical Co. ("Maumee" Compound), Toledo, O.
Miller, Clifford L. & Co. ("Minuax"), 110 E. 23rd, New York.
Morgan, H. B. Co. ("Morganite"), Grand Crossing, Chicago, Ill.
National Waterproof Co. ("Te Pe Co"), American Trust Bldg., Chicago, Ill.
Neuchatel Asphalt Co. (Ltd.), 265 Broadway, New York
Pitts, Chas. L. Co., 58 E Park, Newark, N. J., & 210 16th, Jersey City, N. J.
Preservative Products Co. ("Esco," "Impervo"), 1133 B'way, New York.
Sandusky Portland Cement Co. ("Medusa"), Sandusky, O
Sicilian Asphalt Paving Co. ("Siastex", An Asphalted Textile), 41 Park Row, New York.
Texas Company ("Texaco"), 17 Battery Pl., New York.
TRUSSED CONCRETE STEEL CO., Trussed Concrete Bldg., Detroit, Mich. (See adv. index & branch offices, end of book)
Union Construction & Waterproofing Co., 1133 Broadway, New York
Union Fibre Co. ("Antiaqua," Cement for Waterproofing Walls or Insulation) Winona, Minn.
Universal Compound Co., 449 W. 28th, New York.
Viscol Co., Camoridge, Mass.
Wadsworth, Howland & Co. ("Bay Side," Brick & Cement Coating), Boston, Mass.
Waterproofing Co. (For Cellar, Subways, Reservoirs, Tunnels, etc.), 147 E 35th, New York

Water Softening & Purifying Apparatus

American Water Softener Co. ("Brunn-Lowener"), Mutual Life Bldg., Phila., Pa.
Booth, L. M. C. ("Booth" Water Softener), 136 Liberty, New York
Dodge Mfg. Co. ("Eureka"), Mishawaka, Ind.
Harrison Safety Boiler Works, 17th below Allegheny av, Phila., Pa.
HELWIG MFG. CO. ("Eureka"), St. Paul, Minn. (See adv. index, end of book)
Jewell Engineering Co., 206 W. Lake, Chicago, Ill.
Kennicott Water Softener Co., Railway Exchange, Chicago, Ill.
MACLEOD, WALTER & CO., 213 E Pearl, Cincinnati, O. (See adv. index, end of book)
NEW YORK CONTINENTAL JEWELL Filtration Co., 15 Broad, New York, & 167 Dearborn, Chicago, Ill. (See adv. index, end of book)
Northern Water Softener Co. ("Bartlett," "Northern"), Madison, Wis.
Patterson, D. W. ("Bachman"), 1502 Market, Phila., Pa.
Pittsburg Filter Mfg. Co., Farmers' Bank Bldg., Pittsburg, Pa.
Power Plant Specialty Co. ("Vater" Hot Process), Monadanock Blk., Chicago, Ill.
Purification & Engineering Co., 50 Church, New York.
Reisert-Hans Co. (Ltd.), ("Reisert"), 50 Church, New York.
SCAIFE, WM. B. & SONS CO., ("Scaife" & "We-Fu-Go" Systems), 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Turl's, Jno. Sons (Inc.), 26 Cortlandt, New York. Works, Newburgh, N. Y.
United States Wind Engine & Pump Co., Batavia, Ill
Wiemann-Munhall Co., Pittsburg, Pa.

Water Stations (Railroad)

(See Water Columns or Stations, Railroad)

Water Supply (Air Pressure)

(See Lifts, Air; also Pneumatic Water Supply Systems)

Water Towers (Fire Boat)

Woodhouse Mfg. Co. ("Woodhouse"), 50 W B'way, New York

Water Wheels

(See also Water Turbine Wheels)

Blymer Iron Works Co. (Overshot), Spring Grove & Terrace pl, Cincinnati, O.
Doble, Abner, Co. ("Taugential"), San Francisco, Cal.
Fitz Water Wheel Co., Hanover, Pa.
Hug Water Wheel Co., Denver, Col.
Knight & Co. (100 to 2,500 h. p.), Sutter Creek, Cal.
Leffel, Jas. & Co., Springfield, O.
Pelton Water Wheel Co. (Also Direct Connected), Monadnock bldg, San Francisco, Cal., & 90 West, New York
Mine & Smelter Supply Co., Denver, Colo.
United Iron Works ("Tuthill"), Oakland, Cal.

THE MACLEOD WATER SOFTENER AND PURIFIER
PAYS A DIVIDEND OF FIFTY PER CENT.
PURIFYING AND SOFTENING WATER FOR STEAM BOILERS AND INDUSTRIAL PURPOSES.
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WALTER MACLEOD & CO., CINCINNATI, O.

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*Waterworks (Air Pressure)

KEWANEE WATER SUPPLY CO., Kewanee, Ill. (See adv. index, end of book)



Wattmeters

BRISTOL CO. ("Bristol" Recording), Waterbury, Conn., & 114 Liberty, New York. (See adv. index & branch offices, end of book)
Central Laboratory Supply Co. ("Vawter" Recording), La Fayette, Ind.
Duncan Electric Mfg. Co. ("Monetary"), Lafayette, Ind.
Du Vivier, Ernest H. (Dial & Recording), 30 Church, New York.
Electrical Accessories Co. (Importers), 1133 B'way, New York
Federal Electric Co. ("Willis"), 124 W Lake, Chicago, Ill
Fort Wayne Electric Works (Induction), Fort Wayne, Ind.
GENERAL ELECTRIC CO. ("Thomson", "Wright"), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Helios Mfg. Co. ("Bastian," Electrolytic Meter), Bridesburg, Phila., Pa.
International Elec. Meter Co., Chicago, Ill.
Johns, H. W.-Manville Co. ("Victor," Combined with Ammeter & Voltmeter), 100 William, New York
Keystone Electrical Instrument Co., 9th & Montgomery ave., Phila., Pa
Roberts Instrument Co. (Miniature Lamp Testing), Detroit, Mich.
Roller-Smith Co. ("Hoyt's"), Bethlehem, Pa.
Sangamon Electric Co. ("Gutman," Recording), Springfield, Ill.
Wagner Electric Mfg. Co., Plymouth av & Wabash R. R., St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. Co. ("Westinghouse" Portable Lamp Testing Volt-Wattmeter, etc), Union Bank Bldg., Pittsburg Pa. (See adv. index, & branch offices, end of book)
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

*Wattmeters (Prepayment, Recording)

GENERAL ELECTRIC CO., Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
WESTINGHOUSE ELECTRIC & Mfg. Co., Union Bank Bldg., Pittsburg, Pa. (See adv. index and branch offices, end of book)

Wax (Bayberry)

Bromund, E. A., 97 Reade, New York
HILL & GRIFFITH CO., Cincinnati, O. (See adv. index, end of book)

Wax Heads & Fixtures

(See names in Window Display Fixtures with the words Wax-figures following their name)

Wax Mfrs. (Cabinet)

Bowdlear, W. H., & Co. (Waxes from all countries), 149 Pearl, Boston, Mass.
Brown, D. P., & Co., 262 N 4th, Phila., Pa.
Stevanson Bros. & Co., 132 S 2d, Phila., Pa.
Stevenson, Oliver K., 15 N Front, Phila., Pa.
Walton, F. S., & 136 S Front, Phila., Pa.

Wax (Paraffine)

American Petroleum Products Co., 196 Water, New York
Baker & Adamson Chemical Co., Easton, Pa.
Borne, Scrymser Co., 80 South, New York
Crew-Levick Co., Land Title bldg., Phila., Pa.
Emery Mfg. Co., Bradford, Pa.
Freedom Oil Works, Freedom, Pa.
Germania Refining Co., Oil City, Pa.
INDIAN REFINING CO. (Purest Refined), Cincinnati, O. (See adv. index, end of book)
Loos & Dilworth, 134 S Front, Phila., Pa.
Manufacturers' Paraffine Co., Chester, Pa.
Monitor Oil Co., 1131 W 11th N. W., Cleveland, Ohio
Pennsylvania Paraffine Works, Titusville, Pa.
Smith & Nichols, 48 South, New York
Sonneborn, L., Sons (Inc.), ("Amalia"), 262 Pearl, New York.
Standard Oil Co. (Refined), 555 W. 25th, New York
Standard Oil Co. of Ohio, 107 E Pearl, Cincinnati, O.
Sun Oil Co., Woodville st. & Belt Ry., Toledo, Ohio
Tidewater Oil Co. (Refined), 11 B'way, New York
Union Petroleum Co. (White & Yellow), 135 S 2d, Phila., Pa.
Waverly Oil Works (Refined), 54th & A. V. Ry., Pittsburg, Pa.

Wax (Sealing)

Apel, Herman, Milwaukee, Wis.
Bowdlear, W. H. & Co., 220 Devonshire, Boston, Mass.
British-American Sealing Wax Co., Cincinnati, Ohio
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Dicks & Wiggin ("Zubian," "Pontius Pure" for Fruit Jars, etc.), Dayton, O.
Edwards Bros., Milton, Mass.
Harrison Mfg. Co., Rahway, N. J.
Hoyt Metal Co., St. Louis, Mo., & Perth Amboy, N. J.
Pontius, Geo. A., Columbus City, Ind.
Propfe, August, 1409 Vine, Phila., Pa.
Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
Scheel, Wm. H., 159 Maiden la., New York.
Stafford Novelty Co., 603 Wash'n, New York
Zinsser, Wm. & Co., 197 William, New York

Wax Tailings & Scale Wax

Emery Mfg. Co., Bradford, Pa.
INDIAN REFINING CO., Cincinnati, O. (See adv. index, end of book)
Penn Refining Co., Oil City, Pa.
Standard Oil Co., 555 W. 25th, New York.
Tidewater Oil Co., 11 B'way, New York

Wax Tapers

Cathedral Candle Co., Syracuse, N. Y.
Marty, F. & Co., Syracuse, N. Y.
Will & Baumer Co., Syracuse, N. Y.

Weaners (Calf)

Barbee Wire & Iron Works (Wire), 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Carroll Muzzle Co., Carroll, Ia.
Cooley Mfg. Co., 103 S Canal, Chicago, Ill.
Hamlin & Russell Mfg. Co., Worcester, Mass.
Pratt, Wm. E. Mfg. Co. ("Tylers"), 91 Lake, Chicago, Ill.
Quinn Wire & Iron Works, Scranton, Ia.

Weather Strip Rubber

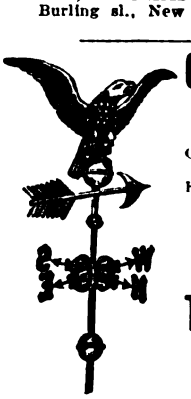
Goodrich, B. F. Co., Akron O.

Weather Strips

Abel-Bauer Grille Mfg. Co. ("Fournier"), 423 Gratiot av., Detroit, Mich.
American Weather Strip Co., 70 Warren, New York
Anderson, Wm. G. (Combined Felt & Rubber Invisible), Sudbury Bldg., Boston, Mass.
Bosley, D. W. Co. ("Bosley's" Felt, Rubber, Metallic Rubber, Metallic Railway, etc.), 303 Fulton, Chicago, Ill.
Russell Mfg. Co., Middletown, Conn.
Brown, A. B. Co., 514 W 46th, New York
Chamberlin Metal Weather Strip Co. (Metallic), 4th & Fort, Detroit, Mich.
Champion Metal Weather Strip & Parting Bead Co. (Metallic), 179 Summer, Boston, Mass.
Church, E. I. & Co. (Axle, All Steel), West Hanover, Mass.
Dunfee, J. & Co., 89 N Claremont av, Chicago, Ill.
Economy Weather Strip Co. ("Economy," Spring Metal), Penobscot bldg., Detroit, Mich.
Ford, Chas. J., Holyoke, Mass.
Golden, Geo. W. ("Golden" Metallic), 15 Gilman, Detroit, Mich.
Harsha, L. E. Mfg. Co., 793 Carroll av, Chicago, Ill.
Heaton & Wood, 1706 Chestnut, Philadelphia, Pa.
Introstyle & Novelty Mfg. Co. (Metal O. K.), Marietta, O.
Metal Plated Car & Lumber Co. (For Cars Only), 80 Church, New York
Mineralized Rubber Co., 18 Cliff, New York
Motley, Peter (Rubber), 750 S Broad, Phila., Pa.
National Metal Weather Strip Co. ("National" All Metal), Pittsburg, Pa.
N. Y. Weather Strip & Screen Co., 103 Chambers, New York
Osgood, H. H. & Co., 4 Charlestown, Boston, Mass.
Paragon Metal Weather Strip Co. ("Paragon" All Metal), 112 W. 42d, New York
Perfection Metallic Weather Strip Co., 367 Lafayette Boul., Detroit, Mich.
Prince, W. O., 26 Edinboro, Boston, Mass.
Protective Ventilator Co., 129 Fulton, New York
Reeves Mfg. Co. (Automatic), New Haven, Conn.
Robbins Mfg. Co. (All Metal), 968 N Central pk av, Chicago, Ill.
Roebuck Weather Strip & Wire Screen Co., 419 Hamilton av., Brooklyn, N. Y.
Roehrig & Jacoby Wall Paper & Carpet Co., 1223 Olive, St. Louis, Mo.
Solomon, M., Fly Screen Co. (Solid Metal Interlocking), cor. Bayard & Nanticoke, Baltimore, Md.
Stanfield & Christie, 142 E 4th, Cincinnati, O.
TABOR SASH CO. ("Tabor," Metallic), 69 Polk, Newark, N. J. (See adv. index & branch offices, end of book)
Teackle & Golden (The Golden Metal), 15 Gelman, Detroit, Mich.
Union Novelty Works (Felt Cushion Edge), Putnam, Conn.
Window Swinging Co. (Metal), Hale bldg., Phila., Pa.

Weather Vanes

Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T. Wire & Iron Works, 82 Washington av., Detroit, Mich.
Broad Gauge Iron Stall Works, 53 Elm, Boston, Mass
Canton Art Metal Co., Canton, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, end of book)
Eller Mfg. Co., Canton, O.
Fiske, J. W. Iron Works, 56 Park pl., New York.
Foy, Edw. A. & Co., 409 E 8th, Cincinnati, O.
Gerock Bros. Mfg. Co., 1252 Manchester av, St. Louis, Mo.
Goodwin, Frederick O., 53d & Wyalusing, Philadelphia, Pa.
Henis, Wm. G., 1347 Ridge av, Phila., Pa.
Hum & Leatherman, Pittsburg, Pa.
Jackson & Cooke, 318 Market, Phila, Pa.
JONES, THOMAS W. (Also Dial), 22 Burling sl., New York. (See adv. index, end of book)



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Kansas City Wire & Iron Works, Kansas City, Mo.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
MILWAUKEE CORRUGATING CO., Milwaukee, Wis. (See adv. index, & branch offices, end of book)
Mott, J. L. Iron Works, 118 5th av, New York
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
National Cable & Mfg. Co. ("National"), Niles, Mich.
NATIONAL SHEET METAL ROOFING Co., 339 Grand, Jersey City, N. J. (See adv. index, end of book)
Sheet Metal & Supply Co., Lancaster, Pa.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SNOW, W. A. IRON WORKS (Copper), 19 Portland, Boston, Mass.
TAYLOR & DEAN, Penn av. & 25th, Pittsburg, Pa. (See adv. index, end of book)
VAN DORN IRON WORKS CO., 2685 N. 79th, Cleveland, O. (See adv. index, end of book)
Washbourne, Edw. G. & Co., 46 Cortlandt, New York
Westervelt, A. B. & W. T., 102 Chambers, New York

*Weather Vanes (Copper)

JONES, THOS. W. (Also Interior Interior Indicating Vanes), 22 Burling, New York. (See adv. index, end of book)

Webbing (Cotton)

Buffalo Weaving & Belting Co. (Belting, Halters, Girth, Bridles, Back Bands, Trunk Straps, etc.), Buffalo, N. Y.
Consolidated Cotton Duck Co. (Back Band, etc.), Baltimore, Md.
Empire Mfg. Co., Lockport, N. Y.
Fletcher Mfg. Co., Providence, R. I.
Hope Webbing Co. (Narrow Woven Fabrics), Pawtucket, R. I.
Vogt Mfg. & Coach Lace Co., Rochester, N. Y.

*Wedge Lead

HARRISON SUPPLY CO. (For Stone Trade), 5 & 7 Dorchester av Extension, Boston, Mass. (See adv. index, end of book)

Wedges (Equalizing)

McCord & Co. ("National"), Old Colony Bldg., Chicago, Ill.

Wedges (Foundry)

Sterling Wheelbarrow Co., Milwaukee, Wis.

Wedges (Steel)

Anderson, W. H. Tool & Supply Co., 14 Macomb, Detroit, Mich.
Atha Tool Co., ft Chapel, Newark, N. J.
Beall Bros. (Inc.), Alton, Ill.
Collins Co., Collinsville, Conn.
Doble, Abner Co., San Francisco, Cal.
Evansville Tool Works (Coal, Wood Choppers, Falling Stone, etc.), Evansville, Ind.
Falls Mfg. Co. (Splitting), San Francisco, Cal.
Fulton Tool Works (Miners, Wood Choppers, etc.), Canal Fulton, O.
Hardsocg, Martin Co., Pittsburg, Pa.
Harvey, H. H. (Steel for Quarry Work and Woodman), 606 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Iron City Tool Works, Pittsburg, Pa.
Klein-Logan Co., Pittsburg, Pa.
McINNES STEEL CO. (Ltd.), Corry, Pa. (See adv. index, end of book)
Oliver Iron & Steel Co. (All Kinds), Pittsburg, Pa.
Pittsburg Tool & Drop Forge Co. ("Cheswick," Miners', etc.) Works, Cheswick, Pa.
Plumb, Fayette R. (Inc.), Tucker & P. R. R., Phila., Pa.
Standard Axe & Tool Works (Sidelink Saw), Ridgeway, Pa.
Trow & Holden (For Quarry Work), Barre, Vt.
Warwood Tool Co., Wheeling, W. Va.
Woodruff, Walter W. & Sons Co. (Axe), Mount Carmel, Conn.

Wedges (Treenail)

Buena Vista Hardwood Co., Buena Vista, Va.
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Hoskins, J. S. Lumber Co. (Locust), Baltimore, Md.
Palmer, Robert & Son, Ship bldg & Marine Ry. Co., Noank, Conn.
United States Bung Mfg. Co., 50 S 2d, Brooklyn, N. Y. Factory, Cincinnati, O.

Weeders

American Drill Co., Springfield, O.
Aspinwall Mfg. Co., Jackson, Mich.
Champion Weeder Co., Friedens, Pa.
Dunham, J. W. & Son, Berea, O.
Eureka Mower Co., Utica, N. Y.
Fanning, Edgar Weeder Co., Calverton, N. Y.
Fuller & Johnson Mfg. Co., Madison, Wis.
Greenville Implement Co., Greenville, Mich.
Hallock Weeder Co. (Anti-Clog), York, Pa.
Janesville Machine Co., Janesville, Wis.
Keystone Farm Machine Co. (Straight Bar or Adjustable, Walking or Sulky), York, Pa.
Lovejoy, H. H. & Son, Cambridge, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
National Drill Co., Cambridge, Ind.
Patten & Stafford Co., Canastota, N. Y.
Standard Harrow Co., Utica, N. Y.
Toledo Plow Co. Toledo, O.
Ward Plow Co. (Adjustable), Batavia, N. Y.

Weeders (Garden)

Allen, S. L. & Co. ("Firefly" & "Farmer"), 110 Market, Phila, Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Brown, Hinman & Huntington Co. ("Columbus" Hand), Columbus, O.
Clark, W. J. Co. ("Rapid-Easy"), Salem, O.
Donaldson Bros. (Beet), Mount Clemens, Mich.
Fuller Mfg. Co. ("Daisy" Hand), Danvers, Mass.
Jelliff, C. O. Mfg. Corp. ("Universal"), Southport, Conn.
Keystone Farm Machine Co. (Adjustable), York, Pa.
Strube, C. H. ("Climax"), Sandusky, O.
Thornburgh Mfg. Co. ("Toledo"), Bowling Green, O.
Union Fork & Hoe Co. (Hand), Columbus, O.
Wallingford Mfg. Co., Wallingford, Vt.
Western Steel & Iron Works, (Beet Weeders), De Pere, Wis.

Weeders (Onion)

Hess Machine Works, Kendallville, Ind.

Weighers, Loaders & Baggers (Grain)

Advance Thresher Co., Battle Creek, Mich.
American Mfg. Co., Racine, Wis.
Buffalo Pitts Co., Buffalo, N. Y.
Case, J. I. Threshing Machine Co. (Weighers), Racine, Wis.
Climax Machinery Co. ("Avalanche," Pneumatic; "Star," Centrifugal; "Climax," Drag; Grain Elevating & Handling), Indianapolis, Ind.
Gaar, Scott Co. (Weighers & Baggers), Richmond, Ind.
Geiser Mfg. Co. (Weighers & Baggers), Waynesboro, Pa.
Hart Grain Weigher Co. (Weighers), Peoria, Ill
Huber Mfg. Co., Marion, O.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Minneapolis Threshing Machine Co. (Baggers), Minneapolis, Minn.
Nichols & Shepard Co. (Weighers, Baggers & Loaders), Battle Creek, Mich.
Northwest Thresher Co., Stillwater, Minn.
Ohio Road Machinery Co. ("Standard" Adjustable Baggers), Oberlin, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Reeves & Co. (Weighers), Columbus, Ind.
Robinson & Co. (Weighers), Richmond, Ind.
Steele, Ben Weigher Mfg. Co., Peoria, Ill.
Stevens, A. W. Co., Marinette, Wis.
Westinghouse Co. (Weighers), Schenectady, N. Y.
Willias Mfg. Co., Decatur, Ill.

Weighers (Water)

Wilcox Engineering Co. ("Wilcox" Automatic), Saginaw, Mich.

Weighing Machines (Automatic)

(See Machinery)

Weights (Counter)

King & Andrews Co. (Cast Iron), Chicago Heights, Ill.

Weights (Elevator)

CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Central Foundry Co., Fort Wayne, Ind.
Cornell, J. B. & J. M., 26th & 11th av, New York
King & Andrews Co., Chicago Heights, Ill.
Kings County Iron Foundry, N 13th & Berry, Brooklyn, N. Y.
Koch & Fox, 22d & Glenwood av, Phila., Pa.

Weights (Hitching)

Barber Mfg. Co., Ashtabula, O.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Cheney, S. & Son, Manlius, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Forest City Foundry & Mfg. Co., Cleveland, O.
Gowanda Agricultural Wks., Gowanda, N. Y.
Koch & Fox (Hitching Blocks), 22d & Glenwood av, Phila., Pa.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Sandage Steel Skein Co., South Bend, Ind.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Foundry & Sash Weight Co., 150 Miller, St. Louis, Mo.

Welding (Autogenous)

Davis-Bournonville Co. (The Oxy-Acetylene Process for Welding & Cutting), 90 West, New York.
Industrial Oxygen Co. ("Oxy-Acetylene" Oxygenite Process), Hanover B'k Bldg., New York.
Linde Air Products Co. (Oxig-Acetylene), Buffalo, N. Y.
Sanford, F. C., Mfg. Co. (Portable Oxy-Acetylene), Bridgeport, Conn.
SCAIFE, WM. B. & SONS CO., 221 1st av, Pittsburg, Pa. (See adv. index, end of book)
Schaap Flaming Utilities Co., 344 Cumberland, Brooklyn, N. Y.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

*Welding (Boiler Tube)

MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)

Welding (Electric)

American Electric Welding Co., 736 B'way, New York
American Tube & Stamping Co., Bridgeport, Conn.
Columbiana Boiler Co., Columbiana, O.
Electric Welding Products Co., Cleveland, O.
Goff, Horner & Co. (Ltd.), Frick Bldg., Pittsburg, Pa.
Lorain Steel Co. (Street Railway Track), Johnstown, Pa.
Newton Steel Wheel Co. (Rings, Wheel Rims, etc.), Kalamazoo, Mich.
Standard Welding Co. (Iron & Steel, Thomson Pressed), Central av & E 70th, Cleveland, O.
Thomson Electric Welding Co., Lynn, Mass.
Toledo Electric Welding Co., Spitzer Bldg. Toledo, O.
Welded Steel Barrel Corp., Detroit, Mich.

Welding (Oxyhydric Process)

American Oxyhydric Co., Milwaukee, Wis.
Falk Mfg. Co., Milwaukee, Wis.

Welding (Steam Flue)

Fix's, S. Sons, Leonard c Winter, Cleveland, O.

Welding (Thermit Process)

Goldschmidt Thermit Co., 90 West, New York

Well Supplies (Artesian & Tubular)

(See Machinery, Well Drilling)

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Wharf Builders

(See Dock Builders)

Wheel Truing Device

Whitney Mfg. Co. (For Water Tool Grinders), Hartford, Conn.

Wheelbarrow Mfrs.

(See also Barrows, Various Kinds)

Akron Cultivator Co. (Steel), Akron, O.
American Fork & Hoe Co., Cleveland, O.
American Steel Scraper Co. (Steel), Sidney, O.
Ames Plow Co., Quincy Hall, Boston.
Anderson, W. H., Tool & Supply Co., 14 Macomb, Detroit, Mich.
Archer Iron Works Co. (Steel, All Kinds), 1st Nat. Bank Bldg., Chicago, Ill.
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Biggs Boiler Works Co., Akron, O.
Bodley Wagon Co., Memphis, Tenn.
Bryan Mfg. Co. (Steel, etc.), Bryan, O.
Buch's, A. Sons (Wood), Elizabethtown, Pa.
Buffalo Scale Co., Buffalo, N. Y.
Chattanooga Wheelbarrow & Mfg. Co., Chattanooga, Tenn.
Cockburn Barrow & Mach. Co., Jersey City, N. J.
Dederick's, P. K. Sons, Albany, N. Y.
Defiance Box Co. (Wood), Defiance, O.
DONEGAN & SWIFT, ("Swift"), 6 Murray, New York. (See adv. index, end of book)
Eagle Machine Co., Lancaster, O.
Earl, F. H. Mfg. Co. (Wooden), Piano, Ill.
FAIRBANKS, MORSE & CO. (Railroad, Canal, etc.), Wabash av. and Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Farquhar, A. B. Co. (Ltd.), York, Pa.
Focht, George Sons (Steel), Hoboken, N. J.
Goshen Wheelbarrow Works, Goshen, Ind.
Hake Mfg. Co. (Wood), Grand Rapids, Mich.
Havana Metal Wheel Co. (Steel), Havana, Ill.
Harrison, W. B. & Co., Massillon, O.
Hunt, C. W. Co., West New Brighton, S. I., N. Y.
Jackson Mfg. Co. (Steel), Harrisburg, Pa.
Jones &Laughlin Steel Co., Pittsburg, Pa.
Jordan Wheelbarrow Co. (Wood), Jordan, N. Y.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Keystone Farm Machine Co. (Garden), York, Pa.
Kilbourne & Jacobs Mfg. Co. (For all Purposes), Columbus, O.
KOPPEL, ARTHUR CO. (Steel), Machesney bldg., Pittsburg, Pa. (See adv. index and brach offices, end of book)
Lansing Wheelbarrow Co. (Steel & Wood), Lansing, Mich.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
McWhinnie, Thomas (Wooden), Poughkeepsie, New York
Magnolia Mfg. Co. (Wooden), Magnolia, Ark.
MARSH COMPANY (All Sizes & Kinds), Old Colony bldg, Chicago, Ill., & 50 Church, New York. (See adv. index, end of book)
New York Wheelbarrow Co., 180 West, New York
Ohio Ceramic Engineering Co. (Steel), Cleveland, O.
OIL WELL SUPPLY CO., 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Prescott, Frank R. (Wood), Meredith, N. H.
Puffer-Hubbard Mfg. Co. (Steel & Wooden), Minneapolis, Minn.
Pugsley & Chapman, 180 West, New York.
Sackett, H. B., Screen & Chute Co., 4210 State, Chicago, Ill.
Schalkenbach & Budke, Jersey City, N. J.
Scott's Patent Brick Car Co., Knoxville, Tenn.
Seidel, Robert D. (Wrought Iron & Steel), Reading, Pa.
Shumaker Bros. & Nixon (Garden), Castile, N. Y.
Sidney Steel Scraper Co. (Wood & Steel Frame), Sidney, O.
SMITH, T. L. CO., Majestic Bldg., Milwaukee, Wis. (See adv. index and branch offices, end of book)
Southern Foundry & Machine Works, Fredericksburg, Va.
Sterling Wheelbarrow Co. (Roller Bearing, Wood, Steel & Tubular Frame, Mortar, Concrete & Contractors etc.), Milwaukee, Wis.
Stuebner, G. L. Iron Works (Steel, etc.), 12th & Vernon av, Long Island City, New York
Syracuse Chilled Plow Co. (Steel & Wood), Syracuse, N. Y.
Tanner, D. F. (Garden, etc.), Holland, N. Y.
Thomas, G. W. Co., Toledo, O.
Toledo Wheelbarrow Co. ("Bull Frog" Steel Tray & Wooden, etc.), Toledo, O.
Union Iron Works (Steel, etc.), Hoboken, N. J.
Walker, E. W. & Stutz Co. (Wood), Goshen, Ind.

BUILDING SPECIALISTS FOR ALL INDUSTRIES

ERNST WIENER COMPANY

475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Whitman Agricultural Co. (Wood), St. Louis, Mo.
Zering, H. Mfg. Co., 218 Charles, Cincinnati, Ohio

Wheel Scrapers

(See Road Scrapers, Drag & Wheel)

*Wheels (Agricultural Implement)

(See also Wheels, Metal)

Bettendorf Metal Wheel Co., Davenport, Ia., & Springfield, O.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
LITTLE, J. R. METAL WHEEL Co., Quincy, Ill. (See adv. index, end of book)
PENNSYLVANIA STEEL PULLEY Co. (Pressed Steel), North Side, Pittsburg, Pa. (See adv. index ,end of book)

Wheels (Automobile Steering)

(See also Gears, Automobile Steering)

Auto Brass & Aluminum Co., Flint, Mich.
Auto & Power Appliance Co., The Arcade, Cleveland, O.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Cambria Forge Co., Johnstown, Pa.
Centaur Motor Co., 59 Franklin, Buffalo, N. Y.
Columbus Brass Co., Columbus, O.
Cramp, Wm. & Sons, Beach & Wall sts., Philadelphia, Pa.
Globe Mach. & Stamping Co., Cleveland, O.
Hassey Drop Forge & Mfg. Co. (Slide, Tilting, Solid, etc.), Cleveland, O
Irving, Richard, Co., 25 Broad, New York
Jamesville Mfg. Co., Jamesville, N. Y.
Mesinger, H. & P. Mfg. Co., 1807 1st av., New York
Meyer Cycle Co., Fort Wayne, Ind.
Muncie Auto. Parts Co., Muncie, Ind.
Rastetter, L. & Sons, Fort Wayne, Ind.
Smith, A. O. Co., Milwaukee, Wis.
Standard Welding Co., Central av. & 70th, S E., Cleveland, O
Steam Carriage Boiler Co., Oswego, N. Y.
Tucker Wood Work Co., Sidney, O.
Warner Gear Co., Muncie, Ind.

Wheels (Ball Bearing)

Gardner Sash Balance Co. (For All Purposes), 164 Dearborn, Chicago, Ill.
McCABE HANGER MFG. CO., 425 W 25th, New York. (See adv. index, end of book)
Pressed Steel Mfg. Co. ("Knipe" Small, The Bourse), Phila., Pa.

*Wheels (Barrow)

(See also Wheels, Metal)

ELECTRIC WHEEL CO. (Steel), Quincy, Ill. (See adv. index, end of book)
LITTLE, J. R. METAL WHEEL CO., Quincy, Ill. (See adv. index, end of book)
PENNSYLVANIA STEEL PULLEY Co. (Pressed Steel), North Side, Pittsburg, Pa. (See adv. index, end of book)

Wheels (Buffing & Polishing)

(See also Buffing & Polishing Machines)

Bacon, C. N. Felt Works, Winchester, Mass.
Builders' Iron Foundry, Providence, R. I.
Chicago Wheel & Mfg. Co. ("Chicago," Leather, Sheepskin, Canvas, Muslin, etc.), 336 W. Monroe, Chicago, Ill.
Diamond Machine Co., Providence, R. I.
Divine Bros. Co. (The Compress), Utica, N. Y.
Eastern Felt Co., Winchester, Mass.
Easton Polishing Supply Co. (Wood Leather Covered, Sheepskin, Walrus, Canvas, Felt, Paper Wheels, Buffs, etc.), Easton, Pa.
Foot Mfg. Co. (Sheepskin, Solid Bull Neck Leather, Challenge Canvas, etc.), Jersey City, N. J.
Hanson & Van Winkle Co., Newark, N. J.
Logemann Bros. Co. ("Logemann" For Tanners, Glove Makers, etc.), Milwaukee, Wis.
Nickel, Adolph, Mfg. Co., 311 Main, Cincinnati, O.
Northampton Emery Wheel Co., Leeds, Mass.
Rockwood Mfg. Co. (Paper), Indianapolis, Ind.
Springfield Mfg. Co., Bridgeport, Conn.
Springfield Tire & Rubber Co. ("Springfield Abrasive" for Machinery, etc.), Springfield, Ohio
Sterling Emery Wheel Mfg. Co., Tiffin, O.
SUPERIOR CORUNDUM WHEEL Co., Waltham, Mass. (See adv. index, end of book)
Thayer, P. E. Co., Pawtucket, R. I.
Tingue, Brown & Co., 64 Reade, New York
Union Wheel & Mfg. Co., Coxsackie, N. Y.
Zucker & Levett & Loeb Co., 516 W 25th, New York

Wheels (Car)

(See also Wheels, Mine Car)

American Car & Foundry Co. (Chilled, etc.), 915 Olive, St. Louis, Mo. and 165 B'way New York
American Steel Founders, Main Office, Commercial B'k Bldg., Chicago, Ill.
Atlanta Car Wheel & Mfg. Co. (Chilled), Atlanta, Ga.
ATLAS CAR & MFG. CO., 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Baltimore Car-Wheel Co., Fulton Station, Baltimore, Md.
Barney & Smith Car Co., Dayton, O.
Barnum-Richardson Co., Lime Rock, Conn.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
Buffalo Car Wheel Foundry Co., Buffalo, N. Y.
Carnegie Steel Co. (Steel), Pittsburg, Pa.
Catawissa Car & Casting Co. (Up to 24 inches with or without axle), Catawissa, Pa.
Cayuta Mfg. Co., Sayre, Pa.
Central Car Wheel Co. (Chilled Iron), Farmers' Bank bldg, Pittsburg, Pa., & McKees Rock, Pa.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Chase Foundry & Mfg. Co., Columbus, O.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Philadelphia, Pa.
Connellsville Machine & Car Co., Connellsville, Pa.
Decatur Car Wheel & Mfg. Co., Birmingham, Ala.
Dickson Car Wheel Co. (Chilled Car & Engine), Houston, Tex.
Eagle Iron Works Co., Terra Haute, Ind.
Ferguson & Lange Foundry Co. (Chilled), Cyclone av. & Willav, Chicago, Ill.
Ford & Kimball, Concord, N. H.
Fort Wayne Foundry & Machine Co. (Car, Engine, Truck, Tender & Driving), Fort Wayne, Ind.
Green's Car Wheel Mfg. Co., 3018 N Broadway, St. Louis, Mo.
Griffin Wheel Co. (Chilled Iron Wheels of All Kinds), Main Office, 138 Jackson boul., Chicago, Ill.
Haskell & Barker Car Co., Michigan City, Ind.
Kilbourne & Jacobs Mfg. Co. (For Industrial Cars), Columbus, Ohio
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg, Pittsburg, Pa. (See adv. index & branch offices, end of book)
Laconia Car Co., Works, 100 Boylston, Boston, Mass. Works, Laconia, N. H.
Lansing Wheelbarrow Co. (For Industrial Cars), Lansing, Mich.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Lima Locomotive & Machine Co., Lima, O.
Lobdell Car Wheel Co., Wilmington, Del.
Louisville Car Wheel & Railway Supply Co., 308 5th, Louisville, Ky.
McCOY, HENRY J. CO., 65 & 67 Dey, New York. (See adv. index, end of book)
Manistee Iron Works Co., Manistee, Mich.
Marshall Car Wheel & Foundry Co., Marshall, Tex.
Mount Vernon Var Mfg. Co., Mount Vernon, Ill.
Mesta Machine Co. (Steel), Lewis Bldg., Pittsburg, Pa.
National Car Wheel Co. (Chilled Iron), Pittsburg, Pa.
Nelsonville Foundry & Machine Co. (Self-Oiling Capless), Nelsonville, O.
New York Car Wheel Co. (All Kinds), German Ins. bldg, Buffalo, N. Y.
Ohio Ceramic Engineering Co. (For Industrial Cars), Cleveland, O.

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Peacock's Iron Works, Selma, Ala.
Penna. Car Wheel Co., 499 Preble, Allegheny, Pa.
Portage Lake Foundry & Machinery Co. (Chilled), Hancock, Mich.
Ramapo Foundry & Wheel Works, Ramapo, N. Y.
Reading Car Wheel Co., Ellicott sq, Buffalo, N. Y.
Risdon Iron Works, San Francisco, Cal.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
St. Louis Car Wheel Co., (Chilled), Spring av & Mo. Pac. Ry., St. Louis, Mo.
St. Paul Foundry Co., St. Paul, Minn.
Sanford-Day Iron Works ("Whitney"), Knoxville, Tenn.
Sheffield Car Co. (Wrought, Steel & Cast), Three Rivers, Mich.
Standard Car Wheel Co. (Chilled), Cleveland, O.
Steiger & Kerr Stove & Foundry Co., San Francisco, Cal.
Taylor Iron & Steel Co., High Bridge, N. J.
Tredegar Co., Richmond, Va.
Watt Mining Car Wheel Co., Barnesville, O.

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Youngstown Car Mfg. Co. (8 to 20 Inch Plain, Self-Oiling & Roller Bearing), Youngstown, Ohio

Wheels (Car, Ball or Roller Bearing)

Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
Chase Foundry & Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

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Youngstown Car Mfg. Co. (Roller Bearing), Youngstown, O.

Wheels (Caster)

(See also Caster Manufacturers)

American Wood Working Co. (Wood), 108 Fulton, New York
Peters', Jno. M. Sons (Wood Caster Rolls), Bleecker, N. Y.
Sommer's, Jno. Son (Wooden), Newark, N. J.
Union Porcelain Works (Porcelain), 300 Eckford, Brooklyn, N. Y.
Williams & Marvin Mfg. Co. (Wood), Deep River, Conn.
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Wheels (Chilled Bridge)

ATLAS CAR & MFG. CO., 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lobdell Car Wheel Co., Wilmington, Del.

*Wheels (Chilled Iron)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Wheels (Concrete Mixer)

(See Wheels, Metal)

Wheels (Counting & Printing)

Franklin, H. H. Mfg. Co., Syracuse, N. Y.

Wheels (Driving)

American & British Mfg. Co., Providence, R. I., & Bridgeport, Conn.
Baltimore Car-Wheel Co., Fulton Station, Baltimore, Md.
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Commonwealth Steel Co. (Steel), Commerce bldg, St. Louis, Mo. Works, Granite City, Ill.
Falk Co., ft. 30th, Milwaukee, Wis.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
National Car Wheel Co., Pittsburg, Pa.
New York Car Wheel Co., Buffalo, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Sullivan Machinery Co., 135 Adams, Chicago, Ill.
Wason Mfg. Co., Brightwood, Springfield, Mass.

Wheels (Driving, Steel Tired)

(See Wheels, Steel Tired Car)

Wheels (Dry Kiln)

(See also Wheels, Metal)

Bates Forge Co., Indianapolis, Ind.
Chase Foundry & Mfg. Co., Columbus, O.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)

Wheels (Fifth)

American Roller Bearing Fifth Wheel Co., 745 3d av, Brooklyn, N. Y.
Bradley, C. C. & Son, Syracuse, N. Y.
Columbus Bolt Works, Columbus, O.
Dayton Malleable Iron Co., Dayton, O.
Eberhard Mfg. Co., Cleveland, O.
Gogel Mfg. Co., Toledo, O.
Keystone Forging Co., Northumberland, Pa.
Millersburg Fifth Wheel Co., Millersburg, Pa.
National Safety Fifth Wheel Co., Lancaster, Pa.
Selle Gear Co., Akron, O.
Weston-Mott Co., Flint, Mich.
Wilcox, D., Mfg. Co. (Full Line), Mechanicsburg, Pa.

Wheels (Flange)

Avery Stamping Co. ("Never-Break" Steel), Lake & Coe, Cleveland, O.
Bates Forge Co. (Drop Forged), Indianapolis, Ind.

Wheels (Fly)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Caldwell, H. W. & Son Co. (Small & Large), 17th & Western av., Chicago, Ill.
Cooper, C. & G. Co., Mount Vernon, O.
Cresson, Geo. V. Co. (Up to 30 ft.), Illegheny av. W. of 17th, Phila., Pa.
Danville Foundry & Machine Co., Danville, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eyster, Weiser & Co., Ltd., York, Pa.
Fairbanks Co. (Specialty. Automatic, Gas & Steam Engine Wheels), Springfield, O.
Filer & Stowell Co., Milwaukee, Wis.
Goodnow, L. H. Fdy. Co. (Finished Ready for Engine), Fitchburg, Mass.
Great Lakes Engineering Works, Rivard st. & Detroit River, Detroit, Mich.
Jones & Laughlin Steel Co., Pittsburg, Pa.
Link Belt Co. (Fly Wheels), 39th & Stewart av., Chicago, Ill.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Medart Patent Pulley Co. (Fly Wheels), 3500 De Kalb av, St. Louis, Mo.
Muir, Hugh, Co., 240 Carroll av., Chicago, Ill.
Nordberg Mfg. Co., Milwaukee, Wis.
Philadelphia Roll & Machine Co., S 23d & Wash'n av, Phila., Pa
PLATT IRON WORKS CO., Dayton, O. (See adv. index & branch offices, end of book)
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Porter Foundry & Machine Co., Pittsburg, Pa.
Scaife Foundry & Machine Co., Pittsburg, Pa.
Southwark Foundry & Machine Co., Phila., Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.
Wood's, T. B. Sons Co., Chambersburg, Pa.

*Wheels (Gear, Hard Fibre)

AMERICAN VULCANIZED FIBRE Co., Wilmington, Del. (See adv. index, end of book)
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del (See adv. index, end of book)
DIAMOND STATE FIBRE CO., Elsmere, Del. (See adv. index, end of book)
VAN DORN & DUTTON CO., 2714 E. 79th, S. E., Cleveland, O. (See adv. index, end of book.
WILMINGTON FIBRE SPECIALTY Co., Wilmington, Del. (See adv. index, end of book)

*Wheels (Hand Chain)

READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)

Wheels (Hand & Push Car)

Atlas Bolt & Screw Co., Cleveland, O.
Barnum & Richardson Mfg. Co., 64 S Jefferson, Chicago, Ill.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
BROWN, A. & F. CO., 25 Dey, New York, Works, Elizabethport, N. Y. (See adv. index, end of book)
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Eyster, Weiser & Co. (Ltd.), York, Pa.
FAIRBANKS, MORSE & CO. (Pressed steel, etc.), Wabash av. and Eldredge pl., Chicago, Ill. (See adv. index, & branch offices, end of book)
Franklin, H. H., Mfg. Co. (Finished Castings), Syracuse, N. Y.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
LITTLE, J. R. METAL WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Lobdell Car Wheel Co., Wilmington, Del.
New York Car Wheel Co., Buffalo, N. Y.
Peacock's Iron Works, Selma, Ala.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Sheffield Car Co., Three Rivers, Mich.

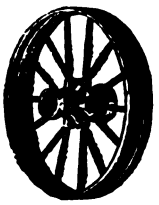
Wheels (Logging Car)

American Brake Shoe & Foundry Co., Mahwah, N. J.
American Car & Foundry Co. (Self-Oiling), 915 Olive, St. Louis, Mo. & 165 B'way, New York.
Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg
Butterworth & Lowe, Grand Rapids, Mich.
CANTON FOUNDRY & MACHINE CO., Canton, O. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Diamond Iron Works, Minneapolis, Minn.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Helmick Foundry & Machine Co., Fairmont, W. Va.
Holt Mfg. Co., Stockton, Cal.
Kilby Locomotive & Machine Works, Anniston, Ala.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
LITTLE, J. R. METAL WHEEL CO. (Steel), Quincy, Ill. (See adv. index, end of book)
Lobdell Car Wheel Co., Wilmington, Del.
Medart Patent Pulley Co. (Lumber Truck), 3500 De Kalb av, St. Louis, Mo.
Peacock's Iron Works, Selma, Ala.
Ramapo Fdry. & Machine Wks., Ramapo, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
St. Louis Car Wheel Co. (Chilled), Spring av & Mo. Pac. R. R., St. Louis, Mo.
Sheffield Car Co., Three Rivers, Mich.
Studebaker Bros. Mfg. Co., South Bend, Ind.

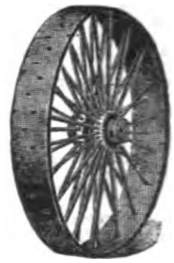
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Whitcomb Bros. (Wrought Iron & Steel), Barre, Vt.

Wheels (Marine Steering)

(See also Gears, Marine Steering)

Barnes Tool Co., New Haven, Conn.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Edson Mfg. Co., 255 Atlantic av, Boston, Mass.
Laughlin, Thomas Co., Portland, Me.
Maryland Steam Block & Pump Works, Baltimore, Md.
Turner Brass Works, Sycamore, Ill.

Wheels (Metal)

Baker, A. D. Co., Swanton, O.
Bettendorf Metal Wheel Co., Davenport, Ia., & Bush, Clement, Quincy, Ill. Springfield, O.
ELECTRIC WHEEL CO. (Steel Wagon, Carts, etc.), Quincy, Ill. (See adv. index, end of book)
Empire Mfg. Co., Quincy, Ill.
Farmers' Handy Wagon Co., Saginaw, Mich.
Fuller & Johnson Mfg. Co., Racine, Wis.
Geneva Metal Wheel Co., Geneva, O.
HEARTLEY MACHINE, VARIETY Iron & Tool Works (Children's Carriage, Wheelbarrow, Implements, etc.), Toledo, O. (See adv. index, end of book)
Havana Metal Wheel Co., Havana, Ill.
Kilbourne & Jacobs Mfg. Co. ("Lewis" Steel Spoke), Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
LITTLE, J. R. METAL WHEEL CO. (For All Purposes), Quincy, Ill. (See adv. index, end of book)
Newton Steel Wheel Co. ("Newton," Steel Buggy, etc.), Kalamazoo, Mich.
Niles & Scott Co., Laporte, Ind.
PENNSYLVANIA STEEL PULLEY Co., North Side, Pittsburg, Pa. (See adv. index, end of book)
Peru Plow & Wheel Co., Peru, Ill.
Quincy Corn Planter Co., Quincy, Ill.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
Shunk Plow Co. Steel for Farm Wagons & Implements), Bucyrus, O.
Sidney Steel Scraper Co. ("Haslup's" Steel), Sidney, O.
Stahl, William, Sprayer Co., Quincy, Ill.
Toledo Metal Wheel Co. (Small Wheels for Toy Automobiles, Baby Carriages, etc.), Toledo, Ohio.
Weston-Mott Co. (Steel Wire), Flint, Mich.
Whiteside Wheel Co. ("Ste-El-Astic"), Indianapolis, Ind.
WORCESTER PRESSED STEEL CO. (Steel), Worcester, Mass. (See adv. index, end of book)

Wheels (Mine Car)

American Brake Shoe & Foundry Co. (Steel), Mahwah, N. J.
American Car & Foundry Co. (Self-Oiling), 915 Olive, St. Louis, Mo. & 165 B'way, New York.
American Steel Casting Co., Chester, Pa.
American Steel Foundries, Main Office, Commercial National Bank bldg, Chicago, Ill.
Archer Iron Works Co. (Oil Bearing), 1st Nat'l Bank Bldg., Chicago, Ill.
Atlanta Car Wheel & Mfg. Co. Atlanta Ga.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N. E., Cleveland, O. (See adv. index, end of book)
Barnum & Richardson Mfg. Co., 64 S. Jefferson, Chicago, Ill.
Bartlett & Co., Saginaw, Mich.
Bowler Fdy. Co. (Chilled), Cleveland, O.
Buda Foundry & Machine Co., Harvey, Ill., & Railway Exchange bldg, Chicago, Ill.
CANTON FOUNDRY & MACHINE C., Canton, O. (See adv. index, end of book)
Catawissa Car & Casting Co., Catawissa, Pa.
Chas Foundry & Mfg. Co., Columbus, O.
Connellsville Machine & Car Co., Connellsville, Pa.
Cresson Foundry, Machine & Car Co., Ebensburg, Pa.
Eagle Iron Works, Terre Haute, Ind.
Eyster, Weiser & Co. (Ltd.), York, Pa.
FAIRBANKS, MORSE & CO., Wabash av & Eldredge pl., Chicago, Ill. (See adv. index & branch offices, end of book)
Griffin Wheel Co., Main Office, Western Union bldg, Chicago, Ill.
Harman & Hassert, Bloomsburg, Pa.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hempfield Foundry Co., Greensburg, Pa.
Irwin Foundry & Mine Car Co. ("Eureka" Waste Packed), Irwin, Pa.
Kanawha Mine Co. (Wheels & Axles), Charleston, W. Va.
Kilby Locomotive & Machine Works, Anniston, Ala.
KILGORE-PETELER CO. (Chilled Iron, etc.), Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO. Machesney Bldg., Pittsburg, Pa. (See adv. index, & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Litchfield Fdry. & Mach. Co., Litchfield, Ill.
Lobdell Car Wheel Co., Wilmington, Del.
MacKINNON BOILER & MACHINE Co., Bay City, Mich. (See adv. index, end of book)
Massillon Foundry & Machine Co., Massillon, Ohio
Mineral Ridge Mfg. Co., Mineral Ridge, O.
New York Car Wheel Co., Buffalo, N. Y.

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Phillips Mine & Mill Supply Co., Pittsburg, Pa.
Ramapo Fdry. & Wheel Works, Ramapo, N. Y.
Reliance Steel Casting Co., Pittsburg, Pa.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
St. Louis Car Wheel Co. (Chilled), Spring av. & Mo. P. R. R., St. Louis, Mo.
Sanford-Day Iron Works ("Whitney"), Knoxville, Tenn.
Sheffield Car Co., Three Rivers, Mich.
Star Mfg. Co., New Lexington, O.
Stine, S. B., Osceola Mills, Pa.
Taylor Iron & Steel Co., High Bridge, N. J.
Union Iron Works (Inc.), Spokane, Wash.
Vulcan Iron Works, Wilkesbarre, Pa.
Watt Mining Car Wheel Co. (Self-Oiling), Barnesville, Ohio.

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Reed Mfg. Co., Erie, Pa.

Wheels (Polishing)

Page Belting Co. (Leather), Concord, N. H.

Wheels (Polishing, Compressed Linen)

Kortum Mfg. Co. ("Kortum"), Buffalo, N. Y.

Wheels (Pressed Steel)

Buda Foundry & Mfg. Co., Harvey, Ill., & Railway Exchange bldg., Chicago, Ill.
Clark, W. J., Salem, O.
Kalamazoo Railway Supply Co. ("Kalamazoo" for Hand & Push Cars), Kalamazoo, Mich.
PENNSYLVANIA STEEL PULLEY Co., North Side, Pittsburg, Pa. (See adv. index of book)
WORCESTER PRESSED STEEL CO., Worcester, Mass. (See adv. index, end of book)

Wheels (Propeller)

(See also Ship Builders)

Barber Bros. (Reversing), Syracuse, N. Y.
Bay City Iron Co., Bay City, Mich.
Benton & Son (Reversing), La Crosse, Wis.
Case, A. W. & Son, Highland Park, Conn.
Chester Steel Casting Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Connell, J. D. Iron Works Co. (Iron & Composition), New Orleans, La.
Cramp, Wm. & Sons Ship & Engine Building Co., Phila., Pa.
Cross, M. O. Engine Co., Detroit, Mich.
Duluth Gas Engine Works ("Crescent"), Duluth, Minn.
Fairbanks-Grant Mfg. Co., Ithaca, N. Y.
Ferguson, F. & Son, Hoboken, N. J.
Great Lakes Engineering Works Rivard & Detroit River, Detroit, Mich.
King Iron Works, 226 Ohio, Buffalo, N. Y.
Lacy, Jas. J. & Co., Baltimore, Md.
Lake Shore Engine Works ("New Superior" Reversible), Marquette, Mich.
Lockwood Mfg. Co., 61 Sumner, E. B., Boston, Mass.
McFarland Foundry & Machine Works ("Harthan"), Trenton, N. J.
MacKINNON BOILER & MACHINE Co. (Specialty, Small Yacht Wheels), Bay City, Mich. (See adv. index, end of book)
Macbeth Iron Co., Cleveland, O.
Marine Hardware Co. ("Geyer" Reversible), Peabody, Mass.
Michigan Wheel Co., Grand Rapids, Mich.
Montague Iron Works Co., Montague, Mich.
MORRIS MACHINE WORKS, Baldwinsville, N. Y. (See adv. index & branch offices, end of book)
New London Marine Iron Works, New London, Conn.
New York Gear Works, 56 Greenpoint av., Brooklyn, N. Y.
Norwalk Brass Co., Norwalk, Conn.
Paine, Jas. H. & Son, Noank, Conn.
Penn Steel Casting & Machine Co., Chester, Pa.
Pusey & Jones Co. (Also Gearing Wheels), Wilmington, Del.
Reeves, Paul & Son ("Reeves" Tubal Manganese Bronze, also Brass, Bronze & Phosphor Bronze), 1415 Cathrine, Phila., Pa.
Roper, C. F. & Co. ("Roper"), Hopedale, Mass.
Seaboard Steel Casting Co., Chester, Pa.
Sheriff's Mfg. Co., 124 Barclay, Milwaukee, Wis.
Spaulding Engine Co. (Reversible for Launches), St. Joseph, Mich.
Sterling Engine Co. ("Sterling" Reversible Blade for Motor Boats), Buffalo, N. Y.
Sullivan, Jno. W., 827 E. 9th, New York.
Thropp, John E., Sons Co., Trenton, N. J.
Trout, H. G., Buffalo, N. Y.
Truscott Boat Mfg. Co. (For Pleasure Crafts), St. Joseph, Mich.

Wheels (Radiator Valve, Wood)

(See also Wheels, Valve)

Estes, E. B. & Sons, 74 Warren, New York.
Novelty Turning Co., Norway, Me.
Thayer, Geo. A., Spruce Corner, Mass.

Wheels (Ratchet Brake)

AMERICAN VULCANIZED FIBRE Co., (Fibre), Wilmington, Del. (See adv. index, end of book)
Baker, John S. ("Beverly" Ratchet Clutch Vertical, for Vestibuled Street Cars), Beverly, Mass.

*Wheels (Roller Skate)

DELAWARE HARD FIBRE CO., (Fibre), Wilmington, Del., Works: Marshalltown, Del. (See adv. index, end of book)

Wheels (Rubber Tired)

Clark, Geo. P. Co., Windsor Locks, Conn.
Lansing Wheelbarrow Co. (Truck), Lansing, Mich.
Meeker Mfg. Co., Dayton, Ohio.

Wheels (Self-Oiling)

(For Mine & Other Light Cars)

American Car & Foundry Co., 915 Olive, St. Louis, Mo. & 165 B'way, New York.
ATLAS CAR & MFG. CO., THE ("Wright"), 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
CENTRAL IRON WORKS (For Coal Cars), Quincy, Ill. (See adv. index, end of book)
Chase Foundry & Mfg. Co., Columbus, O.
Chrome Steel Works (Mine Car, Canada Patent), Kent av. c Keep, Brooklyn, N. Y.
Davis, F. M. Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Col.
Helmick Foundry & Machine Co. (Chilled), Fairmont, W. Va.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
KOPPEL, ARTHUR CO., Machesney Bldg., Pittsburg, Pa. (See adv. index, & branch offices, end of book)
Lansing Wheelbarrow Co., Lansing, Mich.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Mine & Smelter Supply Co., Denver, Col.
Peacock's Iron Works, Selma, Ala.
Phillip's Mine Supply Co., Pittsburg, Pa.
RALSTON STEEL CAR CO., Columbus, O. (See adv. index & branch offices, end of book)
Stine, S. B., Osceola Mills, Pa.
Truax Mfg. Co., 1725 Wazee, Denver, Col.
Union Iron Works, Spokane, Wash'n
Watt Mining Car Wheel Co. (Mine Car), Barnesville, O.

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475 Fulton bldg, New York. (See adv. index & branch offices, end of book)
Youngstown Car Mfg. Co. (Plain & Roller Bearing), Youngstown, O.

*Wheels (Skip)

KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)

Wheels (Sprocket)

American Brake Shoe & Foundry Co., Mahwah, N. J.
AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
BARTLETT, C. O. & SNOW CO., French st., Cleveland, O. (See adv. index, end of book)
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)
Buhl Malleable Co., Detroit, Mich.
Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
Chain Belt Co., Milwaukee, Wis.
CHISHOLM & MOORE MFG. CO., (Chain), 49th & Lake, Cleveland, O. (See adv. index, end of book)
Cresson, Geo. V. Co., Allegheny av. W of 17th, Phila., Pa.
DAVIS, RODNEY, 626 Race, Phila., Pa. (See adv. index, end of book)
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Diamond Iron Works (For Saw Mills, etc.), Minneapolis, Minn.
Dodge Mfg. Co., Mishawaka, Ind.
Exeter Machine Works, Pittston, Pa.
Filer & Stowell Co., Milwaukee, Wis.
FOOTE BROS. GEAR & MACHINE Co. (Plain or Hub), 44-50 N. Carpenter, Chicago, Ill. (See adv. index, end of book)
Frost Mfg. Co., Galesburg, Ill.
GANSCHOW, WM. CO. (Plain or Hub), 270 Washington boul., Chicago, Ill. (See adv. index, end of book)
Garland, M. Co., Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
JAMES, D. O. MFG. CO. (Plain or Hub), 351 W. Monroe, Chicago, Ill. (See adv. index, end of book)
JEFFREY MFG. CO., Columbus, O., (See adv. index & branch offices, end of book)
Jones, W. A. Fdry. & Machine Co. (For Chain Drives, Gearing), 143 W North av, Chicago, Ill.
Link Belt Co., W. 39th & Stewart av, Chicago, Ill., & 299 B'way, New York.
Marseilles Mfg. Co., Marseilles, Ill.
MEAD-MORRISON MFG. CO., Cambridge (Boston), Mass., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Medart Patent Pulley Co., 3500 DeKalb av, St. Louis, Mo.
Mey Chain Belting Engineering Works (Chain Sprockets), 77 Washington, Buffalo, N. Y.
Michigan Sprocket Chain Co., Detroit, Mich.
MINNEAPOLIS STEEL & MACHINery Co., Minneapolis, Minn. (See adv. index & branch offices, end of book)
Moline Malleable Iron Co., St. Charles, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
Philadelphia Gear Works (Inc.), 12th & Vine, Phila., Pa.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
Portland Iron Works, Portland, Ore.
READING CRANE & HOIST WORKS, Reading, Pa. (See adv. index, end of book)
Scaife Foundry & Machine Co., Pittsburg, Pa.
Shillin & Richards Mfg. Co., 147 Fulton, Chicago, Ill.
Spacke, F. W. Machine Co., Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Taylor Iron & Steel Co., High Bridge, N. J.
Tioga Foundry Co., 22nd & Allegheny av., Phila., Pa.
WEBSTER MFG. CO., 1075 W. 15th. Chicago, Ill. & 88 Reade, New York. (See adv. index & branch offices, end of book)
Wolf Co., Chambersburg, Pa.

Wheels (Steel Tired Car)

Green's Car Wheel Mfg. Co., 3018 N B'way, St. Louis, Mo.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Prosser, Thos. & Son (the Krupp), 15 Gold, New York.
Railway Steel Spring Co. (For Electric Railway Cars), ("Paige" Spoke & Plate Engine Truck, "Paige," "Allen," "Boies" Spoke Engine & Coach or Tender, etc.), 30 Church, New York.
Standard Steel Works Co. (Car & Locomotive), Harrison Bldg., Phila., Pa.
Taylor Electric Truck Co., Troy, N. Y.
Taylor Iron & Steel Co., High Bridge, N. J.

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Wheels (Steel Truck)

(See also Wheels, Metal)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Buda Foundry & Mfg. Co., Railway Exchange bldg., Chicago, Ill. Works, Harvey, Ill.
Chase Foundry & Mfg. Co., Columbus, O.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Fulton Foundry & Mach. Co., Atlanta, Ga.
Jones & Laughlin Steel Co., Pittsburg, Pa.; 220 B'way, New York
Kilburne & Jacobs Mfg. Co., Columbus, O.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
LITTLE, J. R. METAL WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Niles & Scott Co., La Porte, Ind.
Ohio Ceramic Eng. Co., Cleveland, O.
Parish & Bingham Co., Hamilton st. of Coe, Cleveland, O.
PENNSYLVANIA STEEL PULLEY Co., North Side, Pittsburg, Pa. (See adv. index, end of book)
Prosser, Thos. & Son ("The Krupp"), 15 Gold, New York
Railway Steel Spring Co., 30 Church, New York
Sheffield Car Co., Three Rivers, Mich.

Wheels (Steel Vehicle)

(See also Wheels, Metal)

American Steel Wheel Co., Alexandria, Ind.
Bryant Steel Wheel & Rim Co., Columbus, O.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Geneva Metal Wheel Co., Geneva, O.
Newton Steel Wheel Co., Kalamazoo, Mich.
Parish & Bingham Co., Hamilton nr Coe, Cleveland, O.
PENNSYLVANIA STEEL PULLEY Co., North Side, Pittsburg, Pa. (See adv. index, end of book)

Wheels (Steering)

(See Wheels, Automobile Steering; also Wheels, Marine Steering)

Wheels (Street Car)

American Car & Foundry Co., St. Louis, Mo., & 165, B'way, New York
Atlanta Car Wheel & Mfg. Co. (Chilled), Atlanta, Ga.
Baltimore Car Wheel Co., Fulton Station, Baltimore, Md.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Carnegie Steel Co. ("Schoen," Solid Forged & Rolled Steel), Pittsburg, Pa.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Chrome Steel Works, Chrome, N. J.
Curtis Motor Truck Co., Decatur, Del.
Duquesne Steel Foundry Co. (Rolled Steel), Pittsburg, Pa.
Griffin Wheel Co., Main Office, 138 Jackson boul, Chicago, Ill.
Laconia Car Co. Works, 100 Boylston, Boston, Mass. Works, Laconia, N. H.
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
National Car Wheel Co. (Chilled Iron), Pittsburg, Pa.
New York Car Wheel Co., Buffalo, N. Y.
Phila. Car Wheel Co., Betz bldg, Phila., Pa. Works, Black Rock, Buffalo, N. Y.
Railway Steel Spring Co. (Steel Tired Motor), 30 Church, New York.
St. Louis Car Wheel Co. (Chilled), Spring av & Mo. Pac. Ry., St. Louis, Mo.
Standard Car Wheel Co. (Chilled), Cleveland, Ohio
Standard Steel Works C. (Rolled Steel), Harrison Bldg., Phila., Pa.
Taylor Iron & Steel Co., High Bridge, N. J.

Wheels (Tire Measuring)

Comstock, Geo. S. (Graduated with Pointer), Mechanicsburg, Pa.
WELLS BROS. & CO., Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Green River"), Greenfield, Mass.

Wheels (Tracing)

Arcade Mfg. Co., Freeport, Ill.
Cassady-Fairbank Mfg. Co., 6106 La Salle, Chicago, Ill.
Osborne, C. S. &Co. ("C. S. O. & Co."), Harrison, N. J.

Wheels (Traveling Crane)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Lobdell Car Wheel Co. (Chilled & Double Flange), Wilmington, Del.
New York Car Wheel Co., Buffalo, N. Y.
RUSSEL WHEEL & FOUNDRY CO., Detroit, Mich. (See adv. index, end of book)
WHITING FOUNDRY EQUIPMENT Co., Harvey, Ill. (See adv. index & branch offices, end of book)

Wheels (Trolley)

Ajax Metal Co., 46 Richmond, Phila., Pa., & Birmingham, Ala.
Anderson, Albert & J. M. Mfg. Co. ("West End," Made of Special Metal), 287a, S. B., Boston, Mass.
Bayonet Trolley Harp Co. ("Bayonet," Pure Copper, Self-Lubricating), Springfield, O.
Benedict & Burnham Mfg. Co. ("Franklin"), Waterbury, Conn.
Brady Brass Co. ("Cyprus"), Jersey City, N. J.
Buckeye Iron & Brass Works (Bronze), Dayton, Ohio
Central Union Brass Co., St. Louis, Mo.
Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
Dayton Mfg. Co., Dayton, O.
Detroit Trolley Wheel & Elec. Equipment Co. ("Feltoyler"), Detroit, Mich.
Electric Ry. Equipment Co., 1938 W 8th, Cincinnati, O.
Electric Traction Supply Co. (Pure Copper), St. Louis, Mo.
Elyria Trolley Supply Co. (Self-Lubricating), Elyria, O.
Erie Malleable Iron Co., Erie, Pa.
Eureka Tempered Copper Works (Bronze), North East, Pa.
Garton, W. R. Co. ("Garton," "Urban," "Interurban"), 118 W Jackson boul, Chicago, Ill.
GENERAL ELECTRIC CO. (Composed of a Copper Alloy, Self-Lubricating), Schenectady, N. Y., & 30 Church, New York. (See adv. index & branch offices, end of book)
Graham, Jas. & Co., New Haven, Conn.
Hensley Trolley Co., Huntington, Ind.
Hercules Metal Works (Bronze), Catasauqua, Pa.
International Register Co. ("Excelsior"), 118 W Jackson boul, Chicago, Ill.
Ives, H. B. Co. ("New Haven"), New Haven, Conn.
Johns, H. W.-Manville Co. ("J. M."), 100 William, New York
Kingsland-Kay-Cook Mfg. Co., Mullanphy & 11th, St. Louis, Mo.
LUMEN BEARING CO. ("Ideal," Wearing Part is Made of Drop Forged Copper), Buffalo, N. Y. (See adv. index, end of book)
Magnus Metal Co., Buffalo, N. Y.
More-Jones Brass & Metal Co., St. Louis, Mo.
New Departure Mfg. Co., Bristol, Conn.
NUTTALL, R. D. CO. ("Union Standard," Composed of a Copper Alloy), Fayette & Garrison pl, Pittsburg, Pa. (See adv. index, end of book)
Ridlon, Frank Co. ("Ridlon," U Grooved Copper), Boston, Mass.
Star Brass Works ("Kalamazoo," Pure Copper), Kalamazoo, Mich.
Stuart, Howland Co. ("Amesbury"), Boston, Mass.
United Copper Foundry Co., Boston, Mass.
Valle & Kimes, Dayton, O.
Wesco Supply Co. ("Wesco," Pure Copper), St. Louis, Mo.
Western Electric Co., 239 S Clinton, Chicago, Ill., & 57 Bethune, New York
WESTINGHOUSE ELECTRIC & MFG. Co., Union Bank Bldg., Pittsburg, Pa. (See adv. index & branch offices, end of book)
Williams, E. A. & Son, Jersey City, N. J.

Wheels (Valve)

(See also Wheels, Radiator Valve)

Lord, L. L. Co. ("Lord-Noburn"), Meadville, Pa.
Ohio Brass Co. (Wood Radiator), Mansfield, O
Stiles, H. A. & Co. (Wood), 176 Federal, Boston, Mass.
Sawyer Tool Mfg. Co. ("Prouty" Wire), Fitchburg, Mass.

Wheels (Vehicle)

(See Wheels, Metal; also Wheels, Steel Vehicle)

Wheels (Well)

American Foundry & Mfg. Co., St. Louis, Mo.
Laughlin, Thos., Co. (Anti-Friction), Portland, Me.
National Supply Co., Baltimore, Md.
New London Vise Works (Roller Bushed), New London, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Rumsey & Co. (Ltd.) ("Rumsey" Irons), Seneca Falls, N. Y.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

Wheels (Wheelbarrow)

(See Wheels, Barrow; also Wheels, Metal)

Wheels (Wire)

Jamesville Mfg. Co., Jamesville, N. Y.
Kirk, Latty Mfg. Co., Cleveland, O.
Lee & Porter (With Channel Irons for Cushion Rubber Tires), Buchanan, Mich.
Light Mfg. & Foundry Co., Pottstown, Pa.
Neustadt, J. H. Co., 826 S 18th, St. Louis, Mo.
Rastetter, Louis & Son, Fort Wayne, Ind.
Reed & Curtis Machine Screw Co., Worcester, Mass.
Weston, I. A. Co. (Ball Bearing), Syracuse, N. Y.
Weston-Mott Co. (Steel Rims), Flint, Mich.

Wheels (Wood)

Archibald Wheel Co., Lawrence, Mass.
Biddle & Smart Co., Amesbury, Mass.
Crane & MacMahon, 8 Bridge, New York
Dickinson Ball Bearing Wheel & Vehicle Co. (With Ball Bearing Boxes), Little Rock, Ark.
Eames, A. M. & Co., South Framingham, Mass.
Eberly & Orris, Mechanicsburg, Pa.
ELECTRIC WHEEL CO., Quincy, Ill. (See adv. index, end of book)
Hoopes Bro. & Darlington, West Chester, Pa.
Imperial Wheel Co. ("Imperial," "Whalebone"), Flint, Mich.
Jamesville Mfg. Co., Jamesville, N. Y.
Jones, Phineas & Co., Newark, N. J.
Jones & Burt (Artillery), Utica, N. Y.
Madison Wheel Co., Madison, O.
Meeker Mfg. Co., Dayton, O.
Muncie Wheel & Jobbing Co. ("Bann" Auto), Muncie, Ind.
New Haven Carriage Co., New Haven, Conn.
Prudden, W. K. & Co., Lansing, Mich.
Roger Wheel Co., Cincinnati, O.
Royer Wheel Co. ("Sarven" "Warner"), Cincinnati, O.
Salisbury Wheel & Mfg. Co., Jamestown, N. Y.
Schwarz Wheel Co., 135 N 12th, Phila., Pa.
Sendelbach Wheel Co. ("Sarven" Wheels for Heavy Trucks, etc.), E. St. Louis, Ill.
Standard Wheel Co., Terre Haute, Ind.
Weston-Mott Co., Utica, N. Y.
Wilmington Wheel Mfg. Co., Wilmington, Del.
Zwick & Greenwald Wheel Co., Dayton, O.

Wheels (Wood Polishing)

Diamond Machine Co., Providence, R. I.

Wheels (Worm)

(See Gears, Worm)

Wheels & Axles (Ball or Roller Bearing)

American Roller Bearing Co. (Ball & Roller), S. Framingham, Mass.
Archibald Wheel Co., Lawrence, Mass.
ATLAS CAR & MFG. CO., THE, 1289 Marquette rd., N E, Cleveland, O. (See adv. index, end of book)
Buchanan Ball Bearing & Dust Proof Axle Co., Buchanan, Mich.
Buda Foundry & Mfg. Co., Railway Exchange bldg, Chicago, Ill., & Harvey, Ill.
Case Mfg. Co., Columbus, O.
Chase Foundry & Mfg. Co., Columbus, O.
Concord Axle Co. ("Brown's" Roller Bearing), Penacook, N. H.
Consolidated Mfg. Co., Toledo, O.

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Detroit Screw Works, Detroit, Mich.
Evans, Coppins & Stark Co. (Ball), Princeton, Ill.
Federal Auto & Wheel Co., DeKalb, Ill.
Hutchison Jno. Mfg. Co. (Roller Bearings), Garford Co., Elyria, O. Jackson, Mich.
KILGORE-PETELER CO., Minneapolis, Minn. (See adv. index, end of book)
Lee & Porter Mfg. Co. ("Porter" Vehicle), Buchanan, Mich.
Meeker Mfg. Co. (Ball Bearing), Dayton, O.
Muncie Wheel & Jobbing Co., Muncie, Ind.
Moffett Vehicle Bearing Co. (Roller), Saginaw, Mich.
Pressed Steel Mfg. Co. (Ball), Bourse bldg., Phila, Pa
Smith, A. O. Co., Milwaukee, Wis
Standard Ball Axle Works, Lancaster, Pa.
Timken Roller Bearing Axle Co. (Rolley only, Vehicle & Automobile), Canton, O.
Weston-Mott Co. (Automobile, Carriage, etc.), Flint, Mich.

RAILROAD SPECIALISTS FOR ALL INDUSTRIES
ERNST WIENER COMPANY
475 Fulton bldg, New York. (See adv. index & branch offices, end of book)

Whetstones

Deerlick Oil Stone Co., Chagrin Falls, O., & 7 Warren, New York.
Pike Mfg. Co., 151 Chambers, New York & Pike Station, N. H.

*Whims (Horse)

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)

Whip Stocks

Harris Mfg. Co. (Wood), Johnson City, Tenn.

Whisk Brooms

(Write Us for Other Names)
Harrah & Stewart Mfg. Co., Des Moines, Ia.
Plunkett, Chas., 205 Duane, New York.

Whistles (Air)

Buckeye Iron & Brass Works, Dayton, O.
LUNKENHEIMER CO., General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)

Whistles (Automobile & Motor Boat)

(See also Horns, Automobile; also Horns, Fog)
Chase Machine Co., Cleveland, O.
City Machine & Mfg. Co., 90 Orchard, Detroit, Mich.
Durkee, C. D. & Co. (Motor Boat), 2 South, New York
Edmonds & Jones Mfg. Co. (Motor Boat), 313 Riopelle, Detroit, Mich.
Gas Engine Whistle Co., 1133 B'way, New York
Gray-Hawley Mfg. Co., 605 Fort av, Detroit, Mich.
Mossberg Wrench Co., Central Falls, R. I.
Sibbley & Pitman ("Tritone"), 26 Warren, New York

Whistles (Chime)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Eastwood Wire Mfg. Co. ("Eastwood" Single Bell), Belleville, N. J.
Fewlass Leen Brass & Iron Works, 456 E 2d, Cincinnati, O.
Lonergan, J. E. Co. (Single & Three Bell, etc.), 211 Race, Phila., Pa.
LUNKENHEIMER CO. (Single Bell, Three Whistles, etc.), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Powell, Wm. Co., Cincinnati, O.
Queen City Brass & Iron Works (Single Bell), Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 963 Kent av., Brooklyn, N. Y.
STANDARD GAUGE MFG. CO., Foxboro, Mass. (See adv. index & branch
Star Brass Mfg. Co., Boston, Mass.
Thomas Brass & Iron Co., Waukegan, Ill.

Whistles (Conductors' & Starters')

Woodman, R. Railway Supply Co., 63 Oliver, Boston, Mass.

*Whistles (Electrically Operated)

LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)

*Whistles for Fog, Factory & Fire Signals

(See also Sirens, Steam)
BROWN, A. & F. CO., 25 Dey, New York. Works, Elizabethport, N. J. (See adv. index, end of book)

*Whistles (Low Pressure)

LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O (See adv. index & branch offices, end of book)

Whistles (Steam)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashton Valve Co., 271 Franklin, Boston, Mass.
Belfield, H. & Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Central Brass Works, Cincinnati, O.
Crane Co. (Est. 1855), 519 S Canal, Chicago, Ill. (See adv. index & branch offices, end of book)
Crane Valve Co., Bridgeport, Conn.
CROSBY STEAM GAGE & VALVE CO., 95 Oliver, Boston, Mass., & 16 Dey, New York. (See adv. index & branch offices, end of book)
Detroit Shipbuilding Co. (Brass Dept.), Detroit, Mich.
Eastwood Wire Mfg. Co. ("Eastwood" Plain & Single Bell), Belleville, N. J.
Farnan Brass Works, Cleveland, O.
Garratt, W. T. & Co., San Francisco, Cal.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Kelly & Jones Co., 135 Water, Pittsburg, Pa
Lonergan, J. E. & Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., General Offices, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
McNab & Harlin Mfg. Co., 56 John, New York
NATIONAL GAUGE CO., 168 8th, Brooklyn, N. Y. (See adv. index, end of book)
Nelson, Chas., 439 E 10th, New York
Ohio Brass Co., Mansfield, O.
Pittsburg Brass Mfg. Co., 107 Wood, Pittsburg, Pa.
Powell, Wm. Co., Cincinnati, O.
Queen City Brass & Iron Works, Spring Grove av & Garrard, Cincinnati, O.
Schaeffer & Budenberg Mfg. Co., 963 Kent av., Brooklyn, N. Y.
Sherwood Mfg. Co., Buffalo, N. Y.
Springfield Brass Co., Springfield, O.
STANDARD GAUGE MFG. CO., Foxboro, Mass. (See adv. index & branch offices, end of book)
Star Brass Mfg. Co., 108 Dedham, Boston,
Swift Lubricator Co., Elmira, N. Y. Mass.
Thomas Brass & Iron Co., Waukegan, Ill.
U. S. Gauge Co., 67 Wall, New York.
UNION WATER METER CO., Worcester, Mass. (See adv. index, end of book)
Walworth Mfg. Co., 132 Federal, Boston, Mass.
Williams, D. T. Valve Co., 410 E. 8th, Cincinnati, O.

White Lead Kegs (Steel)

American Can Co., 14th and 10th av. New York

White Metal

(See Castings, White Metal)

White Metal (Rolled Sheet)

Seymour Mfg. Co. (A Nickel Alloy Similar to German Silver), Seymour, Conn.

White & Red Lead Mfrs.

Acme White Lead & Color Works, Detroit, Mich.
Carter White Lead Co., W. 12lst c S Peoria, Chicago, Ill.
Chadwick-Boston Lead Co. (Dry & in Oil), Boston, Mass.
Davis Lead Co. (White Lead Only), Park bldg, Pittsburg, Pa.
Detroit White Lead Works, Detroit, Mich.
Eagle White Lead Co., Cincinnati, O.
FRENCH, SAMUEL H. & CO. (Dealers & Grinders), 4th & Callowhill, Phila., Pa. (See adv. index, end of book)
Hammar Bros. White Lead Co., St. Louis, Mo.
Harrison Bros. & Co., 35th c Gray's Ferry rd., Phila., Pa.
Lewis, John T. & Bro. Co., 231 S Front, Phila., Pa.
Matheson Lead Co., 182 Front, New York
National Lead Co. (Atlantic Branch), 100 William, New York.
National Lead & Oil Co. (Of Pennsylvania), 2d Nat'l Bank bldg, Pittsburg, Pa.
NEVIN, T. H. CO., North Side, Pittsburgh, Pa. (See adv. index, end of book)
Picher Lead Co., Joplin, Mo.
Shoemaker, Robert & Co. ("Imperial" White Lead), 4th & Race, Phila., Pa.
Tatham & Bros., 223 S 5th, Phila., Pa., & 82 Beekman, New York.
Wetherill & Bro., 126 S 30th, Phila., Pa.

*Whitewash (Antiseptic)

GROSCHE, BRUNO & CO., 13 Jones Lane, New York. (See adv. index, end of book)

Whiting Mfrs.

American Whiting & Putty Mfg. Co., 2 Rector, New York.
Dunham, Thos. C., 68 Murray, New York.
Excelsior Whiting Works (E. T. Grafly, Prop.), York & Almond, Phila., Pa.

OLD DUTCH PROCESS WHITE LEAD, DRY OR IN OIL. RED LEAD AND LITHARGE.
INDEPENDENT CORRODERS T. H. Nevin Co. ESTABLISHED 1841 PITTSBURGH, PA.

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Fox, M. E. & Co., 462 E 136th, New York
Grote, Geo. W., & Co., 432 E 102d, New York, East St. Louis, Ill.
Hammill & Gillespie, 240 Front, New York.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Higginson Mfg. Co., Newburgh, N. Y.
Kelley Bros. & Spielman (Inc.), Swanson & Moore, Phila., Pa.
Knappmann, Wm. & Co., 31 Nassau, New York
Manufacturers' Whiting Co., Phila. Bourse, Phila., Pa.
National Whiting Co., 22 5th av, Chicago, Ill.
Nevins, Sam'l Co., 109 S. 2nd., Phila., Pa.
Newbold Whiting Co., Westville, N. J.
Philadelphia Whiting Works, 2609 E. York, Phila., Pa.
Phillips, Jno. B. Mfg. Co., 78 9th, Brooklyn, N. Y.
Southwark Mfg. Co., Mifflin & Swanson, Phila., Pa.
Taintor, H. F. Mfg. Co., 2 Rector, New York.
Tremont Paint & Varnish Co., Boston, Mass.
Wetherill, Geo. D. & Co., Phila., Pa.
Whittaker, W. H. (Importer), 245 Front, New York.

*Wickets

BOLLES, J. E. IRON & WIRE Works, 4th av & Porter, Detroit, Mich. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
ESTEY BROS. CO., Liberty & Greenwich, New York. (See. adv. index, end of book)
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
SCHREIBER, L. & SONS CO., 8th & Eggleston av., Cincinnati, O. & 1133 B'way, New York. (See adv. index, end of book)
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
SOMMERVILLE IRON & BRONZE Co., 5637-5649 Butler, Pittsburg, Pa. (See adv. index, end of book)
STANDARD CO. (Ornamental), Railway Exchange Bldg., Chicago, Ill. (See adv. index, end of book)
TAYLOR & DEAN, Penn av. & 25th, Pittsburg, Pa. (See adv. index, end of book)
TYLER, W. S. CO. (Ornamental), Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
WRIGHT WIRE CO. (All Metals & Finishes), Worcester, Mass. (See adv. index & branch offices, end of book)

Wicks (Lamp, Etc.)

Ansonia, O. & C. Co. (Lamp), Ansonia, Conn.
Bowden, Anthony, Cedar Grove, N. J.
Cleveland Mill & Power Co., Lawndale, N. C.
Collins, G. S. (Lamp, Stove, Candle, etc.), Central Village, Conn.
Consolidated Cotton Duck Co. (& Stove, etc.), Baltimore, Md.
Devon Mills (George S. Browne, Prop.), Providence, R. I.
Estes Mills (Inc.), Fall River, Mass.
Fletcher Mfg. Co. (Lamp, Cotton Ball, Miners', Stove, etc.), 72 Leonard, New York. Factory, Providence, R. I.
Hooper, Wm. E. & Sons (Lamp, Cotton Ball, Candle, etc.), Baltimore, Md.
January & Wood Co. (Cotton Wicks, etc.), Maysville, Ky.
Lees Mfg. Co. (Lamp, Candle, Miners', Cotton Ball, etc.), Westport, Conn.
McClintock & Irvine Co. (Torch), Neville & P. R. R., Pittsburg, Pa.
Massasoit Mfg. Co., Fall River, Mass.
New Jersey Wick Co. (Lamp, Stove, etc.), Newark, N. J.
Rochard, F. J. (Torch Wicks, Etc.), South Hadley Falls, Mass.
Westport Mfg. Co., Fall River, Mass.

*Willson Office & Loft Directories (Changeable)

TABLET & TICKET CO., 70-86 W. Jackson boul, Chicago, Ill., 381 B'way, New York. (See adv. index & branch offices, end of book)

*Winches (Cable)

ANDERSON FORGE & MACHINE CO., 271 Guoin, Detroit, Mich. (See adv. index, end of book)

Winches (Electric)

LIDGERWOOD MFG. CO. (Steam & Electric), 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Sprague Electric Co. (For Haulage Purposes), 527 W 34th, New York

Winches & Windlasses

Acme Road Machinery Co., Frankfort, N. Y.
ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
AMERICAN HOIST & DERRICK CO., St. Paul, Minn. (See adv. index & branch offices, end of book)
American Ship Windlass Co. (Hand, Steam & Electric Gypsey & Yacht Windlasses), Providence, R. I.
Boggs & Clarke (Changeable Adjustable Winches), Syracuse, N. Y.
Box, Alfred & Co. (Ship & Yacht Windlasses), 813 N Front, Phila., Pa.
BROWN HOISTING MACHINERY CO. (Winches Only), St. Clair, N. E., Cleveland, O., & 50 Church, New York (See adv. index & branch offices, end of book)
CARLIN'S, THOS. & SONS CO., 1610 River av. North Side, Pittsburg, Pa. (See adv. index, end of book)
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Chase Machine Co. (Double Drum Hoisting Winches), Cleveland, O.
Contractors' Plant Mfg. Co., 129 Erie, Buffalo, N. Y.
Dake Engine Co. (Steam Windlasses), Grand Haven, Mich.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
Harvey, H. H. (For Quarries), 608 Atlantic av, Boston, Mass.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hoist Co., 20 S William, New York
Hyde Windlass Co., Bath, Me.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) (Cargo Winches), 157 Chambers, New York. (See adv. index, end of book)
Klemm, E. R., 103 W Monroe, Chicago, Ill.
Laughlin, Thos. Co. (Windlasses Only), Portland, Me.
LIDGERWOOD MFG. CO. (Steam & Electric), 96 Liberty, New York, & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Marine Hardware Co. (Hand), Peabody, Mass.
Marine Mfg. Supply Co., 158 South, New York.
Mine & Smelter Supply Co. (Winches Only), Denver, Colo. & 42 B'way, New York.
Pollock, Alex. Co., 208 West, New York.
Round, D. & Son, 2287 B'way, Cleveland, O.
Scaife Foundry & Machine Co., Pittsburg, Pa.
South Baltimore Steel Car & Foundry Co. ("Derrick"), Baltimore, Md.
SPEIDEL, JOHN G., Reading, Pa. (See adv. index, end of book)
Terry & Tench Co. (Inc.), (Wood frame Winches), Lexington av & 131st, New York
Textile Finishing Machinery Co. (Steam Steerer, etc.), Providence, R. I.
Union Elevator & Machine Co. (Windlasses Only), 144 Ontario, Chicago, Ill.
Vulcan Iron Works, Chicago, Ill.
WALSH'S SONS & CO., Newark, N. J. (See adv. index, end of book)
Wilcox, Crittenden & Co. (Windlasses), Middletown, Conn.
Yale & Towne Mfg. Co. (Winches Only), 9 Murray, New York

Wind Shields (Automobile)

Adapt Machinery Co., The, 1620-1630 Wabash av., Chicago, Ill.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Anderson, F. W. & Co. ("Quality"), Brown & Uber, Phila., Pa.
Auto Accessories Mfg. Co., Detroit, Mich.
Auto Blacksmith Co., 1351 Michigan av., Chicago, Ill.
Automobile Equipment Co., Detroit, Mich.
Automobile Specialty Co. ("McGiffin"), E E, Pittsburg, Pa.
E. & B. Mfg. Co. ("Superior"), Cleveland, O.
Ball-Frintze Co. ("Avalon"), Newark, O.
Banker Bros. ("Banker"), Pittsburg, Pa.
Barndt-Johnston Auto Supply Co., Columbus, O.
Baum's Brass & Model Works, S. Minneapolis, Minn.
Bi-Motor Equipment Co. ("Portland" & "Lincoln"), Boston, Mass.
Blasier, M. E. Mfg. Co., Utica, N. Y.
Boesch Lamp Co., San Francisco, Cal.
Bridgeport Vehicle Co. ("Miller"), Bridgeport, Conn.
Broc Carriage & Wagon Co., N. E. Cleveland, O.
Buffalo Auto Body & Trimming Co., Buffalo.
Buob & Scheu, Cincinnati, O. N. Y.
BURROWES, E. T. CO. ("Burrowes"), Portland, Me. (See adv. index, end of book)
Capital Auto Company, Indianapolis, Ind.
Cartier-Chapman & Co. ("Breeze"), Ludington, Mich.
Chicago Coach & Carriage Co., 1223-31 Michigan av., Chicago, Ill.
Chicago Wind Shield Co. ("Dixie," "Perretz," "Telescope," "Oriole," & "Zig Zag"), 235 Johnson, Chicago, Ill.
Coleman, J. C., Detroit, Mich.
Collins, G. A. & Son ("Collins"), Akron, O.
Denniston, E. E., Buffalo, N. Y.
Detroit Auto-Shield Co. ("Wheeler"), Detroit, Mich.
Duane, W. J. & Co., 304 W 54th, New York
Edwards, O. M. Co. ("Paownye"), Syracuse, N. Y.
English & Mersick Co. ("E. M. Talor"), New Haven, Conn.
Fellwock Roll & Panel Co. ("Perfect"), Evansville, Ind.
Fickling & Co., 304-306 W 49th, New York
Finseisen & Kropf Mfg. Co., 21st & Rockwell, Chicago, Ill.
Ford Auto Equipment Co. (Inc.), 1426 Michigan av., Chicago, Ill.
Gibson Automobile Co. ("Imperial"), Indianapolis, Ind.
Graves & Congdon Co., Amesbury, Mass.
Guarantee Tire & Bl. Co. ("Long Distance"), Indianapolis, Ind.
Hillman Auto Supply Mfg. Co. ("Hillman"), Boston, Mass.
Hill Mfg. Co. ("Hill"), Buffalo, N. Y.
Holcker-Elberg Carriage & Rubber Co. ("Holcker-Elberg"), Kansas City, Mo.
Ideal Wind Shield Co., 1845-7 B'way, New York.
Irvin Manufacturing Co., Indianapolis, Ind.
Jacobson Bros. ("Jacobson"), Newark, N. J.
Jenkins Specialty Mfg. Co., Sumter, S. C.
Jonah & George, Merrimac, Mass.
Kimball, C. P. & Co., 315-317 Michigan av., Chicago, Ill.
King Top Mfg. Co. ("King"), Dayton, O.
Knight, F. H. ("Knight"), 1219-21 Michigan av., Chicago, Ill.
Knight, H. C. & Co., 1725 Michigan av., Chicago, Ill.
Limousine-Carriage Mfg. Co. ("Voltz," "Schildback" & "Beecher"), 3515 Michigan av., Chicago, Ill.
London Auto Supply Co. ("Lasco," "London"), 2540-8 Wabash av., Chicago, Ill.
Longdin-Brugger Co., Fond du Lac, Wis.
Loring, J. W. & Son ("Loring"), Worcester, Mass.
Lyons, Hugh & Co. ("Lyons"), Lansing, Mich.
Manhattan Auto Top & Body Co., 249 W. 64th, New York.
Mayer Bros. Electric Co. ("Simplicity"), Detroit, Mich.
Metal Stamping Co., Hubert, West & Washington, New York.
Meyer, Henry E. 17 Duffield (Auto & Motor Boat), Detroit, Mich.
Meyer, Morris F., Port Huron, Mich.
Metzger, C. A. (Inc.) ("Automatic"), 1627-29 B'way, New York.
Michigan Top Co., Detroit, Mich.
Milbradt Mfg. Co. ("Milbradt"), St. Louis, Mo.
Milwood Mfg. Co. ("Millwood" Auto & Motor Boat), 55th & South Park av, Chicago, Ill.
Motor Specialty Co. ("Breanahan"), Detroit, Mich.
National Auto Top Co. ("National"), 1904 B'way, New York.
New England Auto Top Co., W 54th st & B'way, New York
Nichols, D. P. & Co., Boston, Mass.
Nonpareil Brass Co., Providence, R. I.
Parsons-Curtis Top Co., 70 W Jackson boul, Chicago, Ill.
Paterson Vehicle Co., Paterson, N. J.
Pence Automobile Co. ("Pence"), Minneapolis, Minn.
Polson, W. F., Buffalo, N. Y.
Quinby, J. M. & Co., Newark, N J.

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Racine Buggy Top Co. ("The Racine"), Racine, Racine Mfg. Company, Racine, Wis. Wis.
Rands Mfg. Company, Detroit, Mich.
Reading Metal Body Co., Fleetwood, Pa.
Riley Bros. ("Riley"), Bridgeton, N. J.
Ross & Browne, 6127 Cottage Grove av., Chicago, Ill.
Russell, H. J. ("Angle"), Worcester, Mass.
Schurmeier Wagon Co., Minneapolis, Minn.
Skinner & Skinner, Chicago, Ill.
Smith, Jos. N. & Co. ("Ackerman"), Detroit, Mich.
Smith, H. Machine Co., Paterson, N. J.
Sprague Umbrella Co. ("Sprague" & "Common Sense"), Norwalk, O.
Springfield Metal Body Co., Springfield, Mass.
Troy Carriage Sunshade Co., Troy, O.
Twentieth Century Motor Car Co. ("Williams"), South Bend, Ind.
Universal Wind Shield Co. ("Universal"), 147 S. Clinton, Chicago, Ill.
Vanguard Mfg. Co. ("Vanguard"), Joliet, Ill.
Wenger Carriage Works, Paradise, Pa.
Westchester Appliance Co. ("Westchester"), 13-15 Canal pl., Bronx, N. Y.
Western Mechanical Works ("Western Universal"), Los Angeles, Cal.
Whiting, Dr. T. Henry, Rockford, Ill.

Winders (Magnet)

Anderson, Homer, Peekskill, N. Y.
Appleton Electric Co., 224 Washington, Chicago, Ill.
Belden Mfg. Co., 194 Michigan, Chicago, Ill.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
Peirce Specialty Co., Elkhart, Ind.

Windlasses

(See Winches & Windlasses)

Windlasses (Arc Lamp)

Ajax Line Material Co., 12 S Jackson, Chicago, Ill.
Brady, T. H., New Britain, Conn.
Commercial Electrical Supply Co. ("Eddy"), St. Louis, Mo.
Cutter, Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Morris, Elmer P. Co., 90 West, New York
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Windmills

Aermotor Co. ("Aermotor"), Campbell av, nr 12th, Chicago, Ill.
Anderson Malleable Iron & Mfg. Co. Works, Anderson, Ind.
Althouse, Wheeler & Co. (Wood or Steel Wheel Pumping; also Geared Wood Wheel), Wau-Appleton Mfg. Co., Batavia, Ill. pun, Wis.
Bagley Co., Ellicott sq., Buffalo, N. Y.
BALTIMORE COOPERAGE CO., The., c Hanover & Creek, Baltimore, Md. (See adv. index, end of book)
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Banks, T. & Son, Burlington, Wis.
Batavia Wind Mill Co. (Wood), Batavia, Ill.
Beckman Bros., Des Moines, Ia.
Benjamin, O. P. Mfg. Co., Indianapolis, Ind.
Butler Co. (Steel & Wood), Butler, Ind.
CALDWELL, W. E. CO., Louisville, Ky. (See adv. index, end of book)
California Windmill Co., Somonauk, Ill.
Carroll Iron Works (C. L. Bowes, Prop.), 719 Carroll av, Chicago, Ill.
Challenge Co., Batavia, Ill.
Chandler Pump Co., Cedar Rapids, Ia.
Church, Stephen B., Seymour, Conn., & High Street, Boston, Mass.
Clay Center Windmill & Fdry. Co., Clay center, Kan.
Colton, G. D. & Co., Galesburg, Ill.
Corcoran, A. J., Inc., 11 John, New York. Works: Jersey City, N. J.
Deere Implement Co., 209 Market, San Francisco, Cal.
Dempster Mfg. Co., Des Moines, Ia.
Dempster Mill Mfg. Co., Beatrice, Neb.
Duplex Mfg. Co., Superior, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
Enterprise Wind Mill Co., Sandwich, Ill.
FAIRBANKS, MORSE & CO. ("Eclipse" Fairbank's), Wabash & Eldredge pl, Chicago, Ill. (See adv. index & branch offices end of book)
Fairbury Wind Mill Co., Fairbury, Neb.
Ferguson Wind Mill & Pump Co., Waterloo, Ia.
Fleming & Sons, Portland, Ind.
Flint & Walling Mfg. Co. (Star), Kendallville, Ind.
Chicago, Ill.
Fort Wayne Windmill Co., Fort Wayne, Ind.
Freeland Mfg. Co., Niles, Mich.
Freeport Windmill & Gas Engine Co., Freeport, Ill.
Freeman, S. & Sons Mfg. Co., Racine, Wis.
Genoa Mfg. Co., Genoa, O.
Great Northern Mfg. & Supply Co., Atchison, Kan.
Heller, Aller & Co., Napoleon, O.
Horicon Wind Mill Co. (Steel), Horicon, Wis.
Howe Engine Co., Indianapolis, Ind.
Iowa Windmill & Pump Co., Cedar Rapids, Ia.
Jackson, Byron Machine Works, 411 Market, San Francisco, Cal.
KEWANEE WATER SUPPLY CO. (Kewanee), Kewanee, Ill. (See adv. index, end of book)
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kregel, G. F., Nebraska City, Neb.
Lamb & Co. ("Zenith"), Freeport, Ill.
Leach Windmill Co., Joliet, Ill.
McDaniel & Son, Litchfield, Ill.
Marseilles Mfg. Co., Marseilles, Ill.
Mast, Foos & Co. ("Imperial" Iron Turbine, etc.), Springfield, O.
Mudd's Windmill & Pump Co., Lansing, Mich.
May Bros., Galesburg, Ill.
Medina Mfg. Co., Medina, O.
Mt. Pulaski Windmill Co., Mount Pulaski, Ill.
National Engineering Co., Saginaw, Mich.
New Doty Mfg. Co., Janesville, Wis.
Northwestern Wind Engine Co., 110 3d av Minneapolis, Minn.
Pacific Pump & Windmill Co., San Francisco, Cal., & Santa Clara, Cal.
Perkins Windmill Co., Mishawaka, Ind.
Peters Pump Co., Kewanee, Ill.
Phelps, I. E., Wahoo, Neb.
Phelps & Bigelow Windmill Co. ("IXL" Steel), Kalamazoo, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
Reese, Jno., Florin, Cal.
Rose, F. M. & Son (Steel Star), 222 San Pablo av, Oakland, Cal.
Ross Supply Co. ("Rex"), Greenville, O.
Schlichter, E. F., 1910 Market, Phila., Pa.
Schmidt, Geo., East Williston, N. Y.
Sharp Mfg. Co., Albert Lea, Minn.
Sharples Co., Chicago, Ill.
Smith & Pomeroy, Wind Mill Co. ("Eureka"), Kalamazoo, Mich.
Southern Rock Island Plow Co., Dallas, Tex.
Standard Windmill & Mfg. Co., Galesburg, Mich.
Stover Mfg Co. (Iron, etc.), Freeport, Ill.
Superior Co., Streator, Ill.
Shurtleff Co., Marengo, Ill.
Stehn Mfg., Sheboygan, Wis.
Sydnor Pump & Well Co., Richmond, Va.
Tanner, D. F., Holland, N. Y.
Temple Pump Co. ("Diamond"), 15th pl, Chicago, Ill.
United Pump & Power Co. (Steel), Old Colony bldg., Chicago, Ill.
U. S. Supply Co., Omaha, Neb.
U. S. Water & Steam Supply Co., Kansas City, Mo.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vail & Smith, Weston, Mich.
Wallace, Amos, Marengo, Ill.
Walterscheid Machinery & Supply Co., Wichita, Kan.
Waterloo Pump Co., Waterloo, Iowa.
Wells, H. B. & Son, Ithica, Mich.
Winship Mfg. Co., Racine, Wis.
Winter, F. W. & Co., Faribault, Minn.
Wolcott Windmill Co., Saginaw, Mich.
Woodin & Little, 312 Market, San Francisco, Cal.
Woodmanse Mfg. Co. (Steel, Wooden & Power, etc.), Freeport, Ill.
Wright, Charles A., Atchison, Kan.
Zimmerman Mfg. Co., Auburn, Ind.

Window Blind Adjusters

Columbian Hardware Co., Coe & Hamilton, Cleveland, O.
Boston Pressed Metal Co. ("Osborne"), Worcester, Mass.
New York Blind & Transom Adjuster Co., 71 B'way, New York.
Russell & Erwin Mfg. Co., New Britain, Conn. & 96 Lafayette, New York.
Wire Goods Co., Worcester, Mass.

Window Cleaning Appliances & Guards

Orr & Locket Hdw. Co. ("Simpkins" Safety Belt & "Skidmore's" Adustable Balcony), 71 Randolph, Chicago, Ill.
Perfect Safety Window Guard, Flatiron bldg., New York
Smith, F. H. Mfg. Co., 52 St. John's Court, Chicago, Ill.

Window Display Fixtures

American Brass Fixture Works (Brass & Nickel Plated), 66 Greenpoint av, Brooklyn, N. Y.
Barlow Mfg. Co. (Wax Figures, Show Cases, Papier Mache Forms), Holyoke, Mass.
Belle-Hickey Mfg. Co., St. Louis, Mo.
Buckingham Bros. Co. (Skirt Racks, etc.), 177 Adams, Chicago, Ill.
Burgess, E. A. (Est. of), New Haven, Conn.
Faries Mfg. Co. ("Eiffel Tower," Revolving), Decatur, Ill.
Frankel Display Fixture Co., 177 Hudson, New York
Gas Fixture & Brass Co., Cleveland, O.
Heimann, Morris A. Mfg. Co., St. Louis, Mo.
Jandorf Window Attraction Co. (Mechanical Moving Attractions), 46 Great Jones, New York
Judd, H. L. Co., 87 Chambers, New York
Lyons, Hugh & Co., Lansing, Mich.
McKenna Bros. Brass Co. (Forms, Wax Figures, Pedestals, Stands, Card Frames, etc.), Pittsburg, Pa.
Multiplex Display Fixture Co., St. Louis, Mo.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.
Norwich Nickel & Brass Co. (Also Wax Figures), Norwich, Conn.
Schilling, Chas. E. (Metal Scarf Fixtures), Los Angeles, Cal.
Standard Mfg. Co., Xenia, O.
Turner Fixture Co., Oakwood, Mo.
Weston Paper & Mfg. Co. (Also Store), Dayton, O.
Woodcraft Co. (Window Shelves, Wood Fixtures, etc.), Monadnock blk, Chicago, Ill.

Window Frame & Sash (Metallic)

(See also Windows, Fire-Proof, Wire Glass)

AMERICAN CONCRETE CO. (Mfrs.' Agents), 80 William, New York. (See adv. index, end of book)
AMERICAN METAL DOOR CO. (Hollow), Jamestown, N. Y. (See adv. index, end of book)
American Sheet Metal Works ("Mudd's"), New Orleans, La.
BADGER, E. B. & SONS CO., 75 Pitts, Boston, Mass. (See adv. index, end of book)
BERGER MFG. CO., THE, Canton, O. (See adv. index & branch offices, end of book)
Beseman & Bostwick, Hartford, Conn.

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Biersach & Niedermeyer Co., Milwaukee, Wis.
Blanchard, J. F. Co., Fuller bldg., New York.
BROWN HOISTING MACHINERY CO., 4403 S. Clair, N. E., Cleveland, O. (See adv. index & branch offices, end of book)
BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end of book)
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
CLASON ARCHITECTURAL METAL Works, 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Consolidated Sheet Metal Works, 661 Hubbard Milwaukee, Wis.
Cushing, Daniel & Co., Lowell, Mass.
DAHLSTROM METALLIC DOOR CO., Jamestown, N. Y., & 299 B'way, New York. (See adv. index & branch offices, end of book)
Eagle Metal Works Co., St. Louis, Mo.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. (See adv. index, Eller Mfg. Co., Canton, O. end of book)
Feldman & Sommer, San Francisco, Cal.
GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)
Harris, Clayton, Providence, R. I.
Hayes, Geo. Co., 71 8th av., New York.
Farwell Cornice Co., 1304 Southport av. Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Herrmann & Grace, 671 Bergen, Brooklyn, N. Y.
Hicks, S. D. & Sons, 9 Bowker, Boston, Mass.
Howell & Lawrence (Metal Covered), 404 E. 93rd, New York.
Illinois Roofing & Cornice Co., 329 W. Kinzie, Chicago, Ill.
Keighley, S. Metal Ceiling & Mfg. Co. ("Phoenix"), 824 Locust, Pittsburg, Pa.
Klauer Mfg. Co., Dubuque, Ia.
Kirk, W. P. Co., Bridgeport, Conn.
Knisely Bros., 28th pl & 5th av, Chicago, Ill.
KNISELY, H. C. CO., 273 S Canal, Chicago, Ill. (See adv. index, end of book)
Lee, Thos. (Automatic Closing & Sliding Sash), Cincinnati, O.
Leonard Sheet Metal Works (Inc.) ("Leonard" Combined Sliding & Revolving Sashes), 219 Grand, Hoboken, N. J.
Lieberman, M. F. Sheet Metal & Roofing Co. ("Overly" Patent), Economy, Pa.
Lupton's, David Sons Co., Allegheny av & Tulip, Phila., Pa.
McFARLAND, J. C. & CO., 27th & 5th av., Chicago, Ill. & 213 & 215 E. 44th, New York. (See adv. index, end of book)
Mackwirth Bros. Co., 201 Oak, Buffalo, N. Y.
Meade Roofing Co., Woodland ave. & 46th, Phila., Pa.
Mesker & Bro., 421 S. 6th, St. Louis, Mo.
Metallic Mfg. Co., 110 Erie, Camden, N. J.
Miller, J. A. & Bro., 136 S Clinton, Chicago, Ill.
MULLINS, W. H., CO., 341 Franklin, Salem, O. (See adv. index, end of book)
National Skylight & Ventilator Co., Rochester, N. Y.
Newark Cornice & Skylight Works (Automatic), Nichols, Fred., Oakland, Cal. Newark, N. J.
Ohio Roofing Co., Cleveland, O.
Perkinson & Brown, 113 N. Lincoln, Chicago, Ill.
Powers & Boyd Cornize & Roofing Co., St. Louis, Mo.
PRUDEN, C. D. CO. (Metal), Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
RAPP, JNO. W. CO. (Metal Covered, All Kinds), Gen'l Office & Works, College Point, New York & Sales Office, 4 Madison av., New York (See adv. index, end of book)
Rasner & Dinger Co., Pittsburg, Pa.
Rendle, Arthur E., 18 W. 34th, New York
Riester & Thesmacher Co. ("R. & T."), 1522 W. 25th, Cleveland, O.
Ritzler, J. A. Cornice & Ornament Co., Kansas City, Mo.
Rudolph & Son Co., Cleveland, O.
Rulofson Metal Window Works, San Francisco, Cal.
Ruth, J. F., Cornice Works, St. Louis, Mo.
Schoedinger, F. O., 146 3rd, N. Columbus, O.
Scholes Bros., 1241 Rebecca, N S, Pittsburg, Pa.
St. Paul Roofing, Cornice & Ornament Co. ("Pruden"), St. Paul, Minn.
Sykes Steel Roofing Co., 112 W 19th pl, Chicago, Ill.
Thorn, J. S. Co., 20th & Allegheny av, Phila., Pa.
Twentieth Century Window Co., 225 5th av, New York
VALLEY CORNICE & SLATE CO., Ltd., 314-318 N. Hamilton, Saginaw, W. S., Mich. (See adv. index, end of book)
Van Noorden, E. Co., Boston, Mass.
VOIGTMANN & CO., 42-54 E. Erie, Chicago, Ill.; 430 W. 14th & 427 W. 13th, New York. (See adv. index, end of book)
Von der Au & Cluss Mfg. Co., 2404 S. Jefferson av, St. Louis, Mo.
Weis, Henry Cornice Co., Kansas City, Mo.
Weyand, Hy. Co. (Inc.), Waterbury, Conn.
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)
Willis Mfg. Co., Galesburg, Ill.
Witt Cornice Co., 8th & B'way, Cincinnati, O.
Wulff, W. O. & Co., 603 E. Jeff'n, Louisville, Ky.
Zahner Mfg. Co., Kansas City, Mo.

Window Frame & Sash (Wrought Steel)

Detroit Steel Products Co. ("Fenestra"), E. Grand Blvd. & Chene, Detroit, Mich.
Meaker, Geo. L. & Co., Evansville, Ind.
SCHREIBER, L. & SONS CO., Cincinnati, O. (See adv. index & branch offices, end of book)
Twentieth Century Window Co., 225 5th av. New York
VAN DORN IRON WORKS CO., 2685 N 79th, Cleveland, O. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)

Window Frames (Iron, for Power Houses, Factories, Etc.)

Detroit Steel Products Co., E. Grand Blvd. & Chene, Detroit, Mich.
Haase, G. J., 142 Centre, New York
WISCONSIN IRON & WIRE WORKS, 190 E. Water, Milwaukee, Wis. (See adv. index, end of book)

Window Guards

(See Wire Workers; also Wire Fences & Gates; Grilles, Wrought Iron; also Iron, Architectural & Ornamental; also Bank & Office Railings)

Window Guards (Bronze & Iron)

(See Bronze, Architectural, etc., also Grilles Wrought Iron)

*Window Guards (Pitt-Bostwick Patents)

PITT, WM. R. COMPOSITE IRON Works, (Folding & Stationary), 136-138 W 24th, New York. (See adv. index, end of book)

Window Lock & Adjuster

Rixon, Oscar C. Co. ("Sperry" Casement), 111 W. Harrison, Chicago, Ill.

Window Locks (Ventilating)

Burdett-Rountree Mfg. Co. (By Compressed Air), 85 W. Jackson boul., Chicago, Ill., & 147 W 26th, New York
Dearborn Hardware Mfg. Co., 1344 Carroll av, Chicago, Ill.
DROUVE, G. CO. ("Lovell"), 40 Tulip, Bridgeport, Conn. & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)

*Window Opening & Locking Device ("Lovell")

DROUVE, G. CO., 40 Tulip, Bridgeport, Conn. & 40 Dearborn, Chicago, Ill. (See adv. index, end of book)

Window Sash Holder (Automatic)

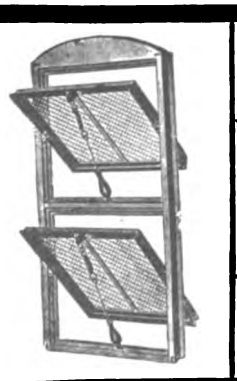
Automatic Sash Holder Co., 277 B'way, New York

Window Sash Pivots

Essig, Pivot Window Co. ("Essig"), 541 Wood, Pittsburg, Pa.
Steiner & Voegtly ("Giesey's"), Pittsburg, Pa.
TABOR SASH CO. ("Tabor"), 69 Polk, Newark, N. J. (See adv. index & branch offices, end of book)

Window Sash (Reversible)

AMERICAN REVOLVING DOOR CO. ("Waterstaat"), 120 No. May, Chicago, Ill. (See adv. index, end of book)
BADGER, E. B. & SONS CO. (Automatic Metallic Sash & Frame), 75 Pitts, Boston, Mass. (See adv. index, end of book)
California Mfg. Co., 974 S. Troy, Chicago, Ill.
Dean Reversible Window Co. ("Dean"), San Francisco, Cal.
Deissler, P. & Bro., 249 S. 6th, Phila., Pa.



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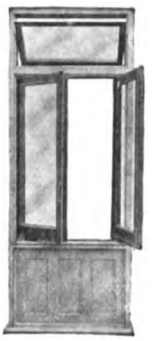
TABOR'S PATENT STRIPS AND FIXTURES FOR SLIDING, REVOLVING, REMOVABLE, VERTICAL, STATIONARY PIVOTED AND FRENCH CASEMENT SASH

800,000 Installed during the past 10 years

ALSO TABOR'S PATENT METAL WEATHER STRIPS FOR WINDOWS



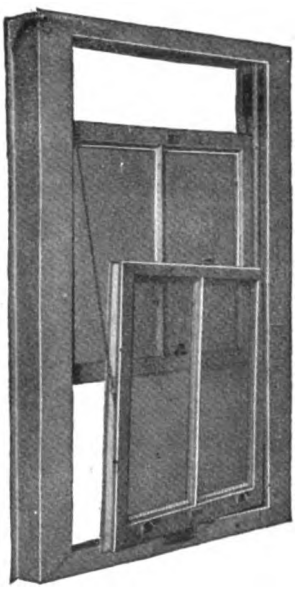




During the Last Ten Years we have Equipped over 600 Public Schools with the Tabor Sash

TABOR SASH COMPANY, Main Office and Factory 61-71 POLK STREET NEWARK, N. J.

ESTABLISHED 1841.



Cut showing double hung window with bottom sash removed, giving access to the weights.

BADGER'S Fire Proof Metal Window Frame and Sash

Made under the specifications of the National Board of Fire Underwriters and approved for use.

Guaranteed to be the best constructed window on the market.

We shall be pleased to furnish estimates upon receipt of plans and specifications.

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J. C. McFarland & Co.

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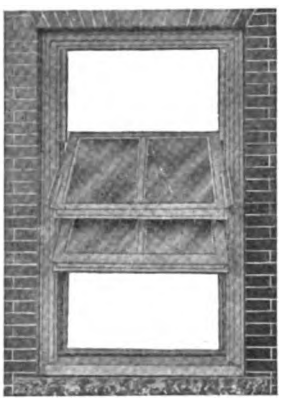
DOUBLE HUNG AND PIVOTED

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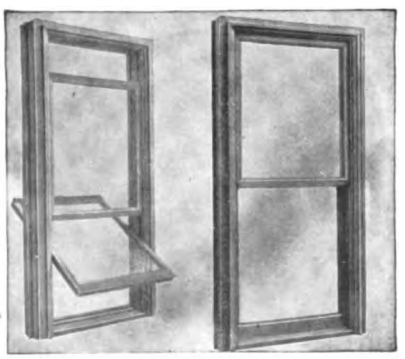
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THE "PRUDEN" AUTOMATIC
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SIMPLE — EASY OF OPERATION — ORNAMENTAL
—ARCHITECTURALLY DESIGNED AND FIRE-PROOF—

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and EVERY WINDOW is INSPECTED, approved and labeled with their OFFICIAL LABEL.

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Hipolito Screen & Sash Co. ("Hipolito"), Los Angeles, Cal.
Mitchell Reversible Window Co., Fremont, O.
Phenix Mfg. Co., Humboldt av, cor. Canter, Milwaukee, Wis.
PRUDEN, C. D. CO. (Metal), Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
TABOR SASH CO., Main Office & Factory, 69 Polk, Newark, N. J. (See adv. index & branch offices, end of book)
Twentieth Century Window Co., 255 5th av, New York
Window Swinging Co., Hale bldg, Phila., Pa.

Window Screen & Awning (Combined)

Phoenix Mfg. Co. ("Phoenix"), Milwaukee, Wis.

Window Shade Adjusters

Ives, Hobart B. Co., New Haven, Conn.
JOHNSON, R. R. ("Johnson"), 161 Randolph, Chicago, Ill. (See adv. index, end of book)

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——SHADE ADJUSTERS

Lower or raise the Shade Roller. Shade all or any part of window as desired. Satisfaction guaranteed and at small expense. Greatly appreciated in hundreds of buildings. Send for booklet and free sample of THE JOHNSON WINDOW STOP (on which the Adjuster works).

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Hesse Mfg Co. ("Berry"), Jacksonville, Fla.
Stover Mfg. Co., Freeport, Ill.

Window Shade Mfrs.

Bosch, Henry, Co., 338 Wabash av, Chicago, Ill.
Columbia Shade Cloth Co., 27 W. 24th, New York
Grant-Arnold Co., Pittsburg, Pa.
Hees-MacFarland Co., Detroit, Mich.
Minetto Shade Cloth Co. (Holland & Felt Shades, Decorations & Fringes, Spring Rollers), Oswego, N. Y., & Minetto, N. Y.
Pinney, Casse & Lackey Co., Jersey City, N. J.
Wemple, Jay C. Co., 35 E. 20th, New York

Window Springs (Burglar Alarm)

Manhattan Electrical Supply Co. ("Ezytest"), 17 Park pl., New York.

Window Stop Adjusters

Grant Pulley & Hardware Co., 3 W 29th, New York
Ives, H. B. Co., New Haven, Conn.

Window Stop Screws & Washers

Read, A. P. Co. ("Read's"), 24 W Randolph, Chicago, Ill.

Windows (Fire-Proof, Wire Glass)

(See also Window Frame & Sash, Metallic)

BADGER, E. B. & SONS CO. (Automatic), 75 Pitts, Boston, Mass. (See adv. index, end of book)
BERGER MFG. CO., THE, Canton, O. (See adv. index & branch offices, end of book)
Blanchard, J. F. Co., Fuller bldg, New York.
BURTON, W. J. CO., 161 W. Congress, Detroit, Mich. (See adv. index, end of book)
Byed, John, 1433 Catharine, Phila., Pa.
CANTON MFG. CO., Canton, O. (See adv. index, end of book)
CLASON ARCHITECTURAL METAL Works, 428 Kinsley av, Providence, R. I. (See adv. index, end of book)
Hayes, Geo. Co., 71 8th av., New York.
Keighley, S. Metal Ceiling & Mfg. Co., 824 Locust, Pittsburg, Pa.
Knisely Bros., 28th pl & 5th av, Chicago, Ill.
KNISELY, H. C. CO. (Revolving), 273 S Canal, Chicago, Ill. (See adv. index, end of book)
McFARLAND, J. C. & CO., 27th & 5th av., Chicago, Ill. & 213-215 E. 44th, New York. (See adv. index, end of book)
Mackwirth Bros. Co., 201 Oak, Buffalo, N. Y.
Miller, J. A. & Bro., 186 S Clinton, Chicago, Ill.
MULLINS, W. H. CO., 341 Franklin, Salem, O. (See adv. index, end of book)
PRUDEN, C. D. CO., Warner, Bayard & Dock, Baltimore, Md. (See adv. index, end of book)
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Scholes Bros., 1241 Rebecca, N S, Pittsburg, Pa.
Sykes Steel Roofing Co., 112 W. 19th pl, Chicago, Ill.
Thorn, J. S. Co., 20th and Allegheny av., Phila., Pa.
VALLEY CORNICE & SLATE CO., Ltd., 314-318 N. Hamilton, Saginaw, W. S., Mich. (See adv. index, end of book)
VOIGTMANN & CO. ("Voigtmann's" Automatic Closing Patent), 42-54 E Erie Chicago, Ill.; 430 W 14th & 427 W 13th New York. (See adv. index, end of book)
Weyand, Hy. Co. (Inc.), Waterbury, Conn.
Witt & Brown, 215 W 3d, Cincinnati, O.

Windows (Kalameined)

(See Doors & Windows, Kalameined)

Windows (Reversible)

(See Window Sash, Reversible)

*Windows (Sempermerus Iron, Genuine Kalamein)

RAPP, JNO. W. CO. (Copper & Bronze Covered), General Office & Works, College Point, New York, & Sales Office, 4 Madison av., New York. (See adv. index, end of book)

Windows (Storm)

(See Storm Doors & Windows)

Windows (Universal, "Turnbull")

Turnbull Co. (Opens & Closes Like a Door), 263 La Salle, Chicago, Ill.

Windows & Sash (Air-Tight Bronze, Wood & Kalameined)

GORHAM CO. ARCH'L BRONZE, 5th av & 36th, New York; Works: Providence, R. I. (See adv. index, end of book)
JACKSON, WM. H. COMPANY, 29 E 17th (Union sq.), New York & 163 Michigan av., Chicago, Ill. (See adv. index, end of book)
Union Equipment & Bronze Co., 1901 Park av, New York

Wipers (Machine)

Houghton, E. F. & Co. ("Houghton's U. S."), 240 W Somerset, Phila., Pa.
Schienmen, J. L. & Co. ("J. L. S. & Co."), Detroit, Mich.
STRONG MACHINERY & SUPPLY CO. ("Strong's" Silk & "Strong's" Tisafine), 48 Franklin, New York. (See adv. index, end of book)

Wiping Cloths

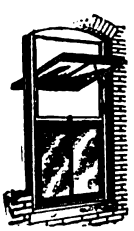
BERNZ, OTTO, S 13th & S Orange av, Newark, N. J. (See adv. index, end of book)
Detroit Sanitary Rag Co., Detroit, Mich.
Johnson, Wm. (Hedenberg Works) (Moleskin & Ticking), Newark, N. J.
Osborne, C. S. & Co. ("C. S. O. & Co."), Harrison, N. J.
Sanitary Rag Co. (Rag), Kalamazoo, Mich.
Starbuck, R. M. & Son, Hartford, Conn.
Storts, John, & Son, 210 Vine, Phila., Pa.
Union Supply Co. ("Killeen" Moleskin & Herringbone Ticking), Dundee, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

Wire (Aerial)

Atlantic Insulated Wire & Cable Co., 120 Liberty, New York
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Collyer Insulated Wire Co., Pawtucket, R. I.
Habirshaw Wire Co., 253 B'way, New York
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
OKONITE CO., Ltd. ("Candee"), 253 B'way, New York. (See adv. index, end of book)
Simplex Electrical Co., Cambridge, Mass.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Aluminum)

Aluminum Co. of America (Bare & Insulated Wire & Cables), Pittsburg, Pa.



THE VOIGTMANN STANDARD AUTOMATIC CLOSING AND LOCKING WINDOWS A SPECIALTY. . .

MANUFACTURED UNDER
Voigtmann Pat. No. 600,186, March 8, 1898. | Voigtmann Pat. No. 718,403, January 13, 1903.
Voigtmann Pat. No. 753,765, March 1, 1904. | Shepherd Pat. No. 621,542, March 21, 1899.
Hayes Pat. No. 626,698, June 13, 1899.

VOIGTMANN & COMPANY,

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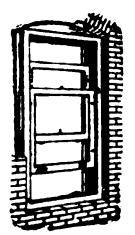
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FOR CARRYING WIRE AND PLATE GLASS
IN SINGLE AND DOUBLE GLAZING

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AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index, & branch offices, end of book)
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Electric Smelting & Aluminum Co., Lockport, N. Y.
Scovill Mfg. Co., Waterbury, Conn.

Wire (Aluminum Coated)

Wilder Metal Coating & Mfg. Co., Connellsville, Pa.

Wire (Annealed)

(See Wire Market)

Wire (Annunciator or Office)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Electrical Co., Ansonia, Conn.
Bishop Gutta Percha Co., 430 E 25th, New York
Chicago Insulated Wire & Mfg. Co., 152 Lake, Chicago, Ill., & Sycamore, Ill.
Collyer Insulated Wire Co., Pawtucket, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Kellogg Switchboard & Supply Co., W Congress & Green, Chicago, Ill.
Monarch Electric & Wire Co., 125 S Clinton, Chicago, Ill.
Moore, Alfred F., 200 N 3d, Philadelphia, Pa.
National Conduit & Cable Co., 41 Park row, New York
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)
Phillips Insulated Wire Co., Pawtucket, R. I
Roebling's, John A. Sons Co., Trenton, N. J.
Runzel-Lens Electric Mfg. Co., 97 S Clinton, Chicago, Ill.
Standard Underground Cable Co., Pittsburg, Pa.
Stromberg-Carlson Tel. Mfg. Co., Rochester, N. Y.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wire & Telephone Co. of America, Rome, N. Y.

*Wire (Antenna Aerial & Antenna Cord)

DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)

Wire (Asbestos Covered)

Boston Insulated Wire & Cable Co., 182 Freeport, Dorchester, Mass.
Johns, H. W.-Manville Co., 100 William, New York

Wire (Barbed)

AMERICAN STEEL & WIRE CO. (Two & Four Point; "Glidden," "Baker," "Perfect," "Ellwood," "Waukegan," "Lyman" & "Iowa" Brands), Commercial Nat'l B'k. Bldg., Chicago, Ill. (See adv. index, end of book)
Atlanta Steel Co. (Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co. (Gautier Dept.), Johnstown, Pa.
Colorado Fuel & Iron Co. (Plain & Galvanized), Denver, Col.
Cyclone Woven Wire Fence Co., Cleveland, O.
Grand Crossing Tack Co., S Chicago av & 79th, Chicago, Ill.
Griswold Co., Sterling, Ill.
Haish, Jacob Co., DeKalb, Ill.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Janesville Barb Wire Co., Janesville, Wis.
Kelly Nell & Iron Co., Ironton, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Lamb Wire Fence Co. ("Peerless"), Adrian, Mich.
Northwestern Barb Wire Co., Sterling, Ill.
Norton Iron Works (Inc.), Ashland, Ky.
Pittsburg Steel Co. (Steel Galvanized & Painted), Pittsburg, Pa.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Southern Steel Co., Birmingham, Ala.
Youngstown Sheet & Tube Co., Youngstown, O.

Wire (Bookbinders')

Morgan Spring Co., Worcester, Mass.
Spencer Wire Co., Worcester, Mass.

TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Brass & Bronze Screw)

Waterbury Brass Co., Waterbury, Conn.

Wire (Brass & Copper)

American Brass Co., Waterbury, Conn.
American Electrical Works (Copper Wire & Cables for Electrical Use), Phillipsdale, R. I.
Ansonia Brass & Copper Co., Ansonia, Conn.
Barnes, Wallace Co. (Brass), Bristol, Conn.
Babbitt-Harris Co. (Fire Wires), Clayville, N. Y
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass. Co., Bridgeport, Conn.
Bristol Brass Co. (Brass Only), Bristol, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Chicago Insulated Wire & Mfg. Co., 152 Lake, Chicago, Ill.
Coe Brass Mfg. Co., Torrington, Conn.
Collyer Insulated Wire Co., Pawtucket, R. I.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Duplex Metals Co. ("Monnot" Copper), Chester, Pa., & 149 B'way, New York
Eastwood Wire Mfg. Co., Belleville, N. J.
Hazard Mfg. Co. (Copper Only), Wilkes-Barre, Pa., & 50 Dey, New York
Hendricks Bros. (Copper Only), 49 Cliff, New York
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
Manhattan Brass Co., 338 E 28th, New York
MERCHANT & EVANS CO. (Inc.), 517 Arch, Philadelphia, Pa. (See adv. index & branch offices, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Nat'l Conduit & Cable Co. (Copper Wire & Cable), 41 Park row, New York
Phillips Insulated Wire Co., Pawtucket, R. I.
Plume & Atwood Mfg. Co., Waterbury, Conn.

IMPORTANT

When consulting any trade in this publication always note information printed directly under the classification. It will frequently assist in locating firms and their products. Much information also will be frequently found following firms names, including in many cases the trade names of product. When an article cannot be located, write us giving full particulars as possible. .. ..

S. E. HENDRICKS CO.,
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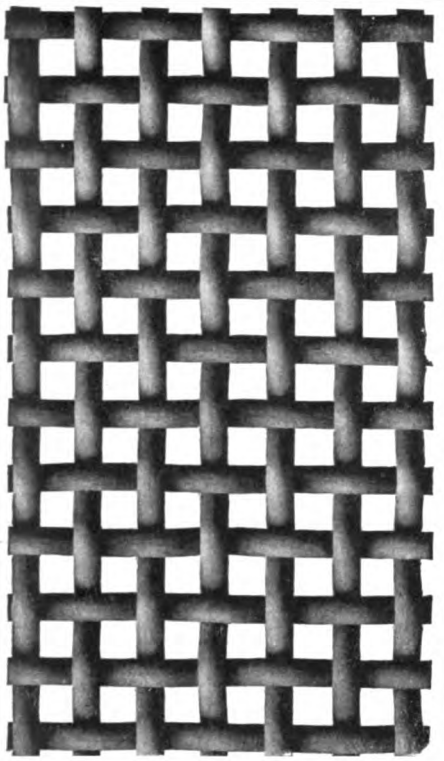
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Double Crimped Wire Cloth and Screen

MADE IN ALL MESHES AND ALL METALS

Mining Screens, Rolled Wire Cloth, Ton-Cap Screen, Galvanized Wire Cloth, Tinned Wire Cloth, Plated Mill Screen Cloth, Draftac Spark Arrester, Locomotive Stack Netting, Fourdrinier Wires, Ventilator Wire Cloth, Sugar Cloth, Filter Cloth, Twilled Wire Cloth, Coal Screen Cloth, "Tyler Standard" Testing Sieves, etc.

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SPRINGS
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ELECTRICAL WIRES

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WIRE OF EVERY DESCRIPTION, round, flat, square, triangular, and odd shapes. Music wire. Mattress, broom, weaving and market wires in all finishes. Special wires adapted to all purposes.

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BALE TIES for baling hay, straw, flax, and all kinds of fibrous materials; also for bundling lumber, mouldings, staves and heading.

NAILS, STAPLES, SPIKES AND TACKS of all kinds. Standard wire nails in all sizes and shapes. Miscellaneous fine nails. Wire brads. Tacks in count and weight packages. Dowel pins. R. R. Spikes.

BARBED WIRE, both two and four point; Glidden, Baker, Perfect, Ellwood, Waukegan, Lyman and Iowa brands.

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CONCRETE REINFORCEMENT for buildings, bridges, sewers, water-mains, columns, walls, stacks, power plants and other concrete work requiring steel reinforcement.

SPRINGS, Clock, motor, car, furniture, agricultural and all kinds of fine and heavy springs.

SULPHATE OF IRON, for water purification; for fertilizing; for chemicals, disinfectant, dyeing, purification of gas, for plate glass polishing, and for wood preservative.

POULTRY NETTING, galvanized before weaving. All meshes and sizes.

WIRE RODS of open hearth and bessemer steel.

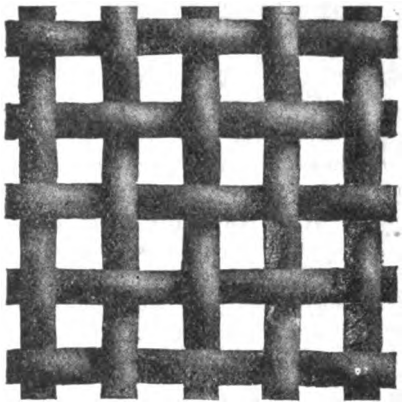
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The "ESTEY" Double Crimped Wire Cloth and Screens

FOR ALL PURPOSES

Made in any mesh and wire, and in any material—Steel, Brass, Copper, Bronze, Etc.

WIRE WORK OF ALL KINDS.

LIGHT IRON AND BRASS WORK.

Estey Wire Works Co.

59 Fulton Street, NEW YORK

ESTABLISHED 1876

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Rome Brass & Copper Co., Rome, N. Y.
Scovill Mfg. Co. (Brass), Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Spargo, Jas. A. Wire Co. (Copper Only, Fine Sizes a Specialty), Rome, N. Y.
Standard Underground Cable Co. (Copper for Electrical Use), Westinghouse bldg., Pittsburg, Pa.
Waclark Wire Co. (Copper Only), 49 Wall, New York
Washburn Wire Co. (Electric Copper), Phillipsdale, R. I., & 118th & Harlem River, N. Y.
Waterbury Brass Co., Waterbury, Conn.
Waterbury Rolling Mills (Inc.), Waterbury, Conn.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Bright Market)

(See Wire Market)

Wire (Bronze)

Detroit Copper & Brass Rolling Mills, Detroit, Mich.
DRIVER-HARRIS WIRE CO. (Common, Golden & Antique), Harrison, N. J. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)

Wire (Broom & Brush)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Babbitt-Harris Co. (Brush Makers' Drawing Wire, Brass, Copper, German Silver, Steel, Scratch Brush Wire, etc.), Clayville, N. Y.
DRIVER-HARRIS WIRE CO. (Fine), Harrison, N. J. (See adv. index, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
New Haven Wire Mfg. Co., New Haven, Conn.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & East River, New York
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Wire (Brush Drawing)

DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)

Wire (Cable)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire Cables (Copper)

American Electrical Works, Phillipsdale, R. I., & 26 Cortlandt, New York
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
BRODERICK & BASCOM ROPE CO. (Also Steel & Iron), 809 N Main, St. Louis, Mo. (See adv. index, end of book)
Collyer Insulated Wire Co., Pawtucket, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey New York
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Standard Underground Cable Co., Westinghouse bldg. Pittsburg, Pa.

Wire (Car Seal)

Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire (Card)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Morgan Spring Co., Worcester, Mass.
Prentiss, Geo. W. & Co., Holyoke, Mass.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Chain)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Check Rower)

Chambers, Bering & Quinlan Co., Decatur, Ill.
Farles Mfg. Co., Decatur, Ill.
Youngstown Sheet & Tube Co., Youngstown, O.

Wire Cloth

American Wire Cloth Co., Harrison, N. J.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T. Wire & Iron Works, 82 Washington av., Detroit, Mich.
BIGELOW, CHENEY WIRE WORKS (All Kinds), Springfield, Mass. (See adv. index, end of book)
Brown & Sellers Co., Holyoke, Mass.
Buffalo Wire Works Co., 316 Terrace, Buffalo, N. Y.
Cabble, Wm. Excelsior Wire Mfg. Co., 43 Fulton, New York.
Caire Justinian Co., San Francisco, Cal.
California Wire Cloth Co., San Francisco, Cal.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Clinton Wire Cloth Co. (Brass, Bronze & Copper), Clinton, Mass.
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
De Witt Wire Cloth Co., Market, Phila., Pa., & 299 B'way, New York
Dow Wire & Iron Works, Louisville, Ky.
Dufur & Co., 311 N. Howard, Baltimore, Md.
Eastwood Wire Mfg. Co. (Brass & Copper), Belleville, N. Y.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO. (For All Purposes), 59 Fulton, New York. (See adv. index, end of book)
Federal Wire Cloth Co., Harrison, N. J.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Globe Wire Co., Harrison, N. J.
Hanover Wire Cloth Co., Hanover, Pa.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.) (Brass), 157 Chambers, New York. (See adv. index, end of book)
Lasar-Leizig Mfg. Co., St. Louis, Mo.
Lindsay Wire Weaving Co., Collingwood, O.
Ludlow-Saylor Wire Co., St. Louis, Mo.
MERRITT & CO., 94 Arch, Camden, N. J. (See adv. index, end of book)
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)

If You Are In Doubt

as to the original manufacturer of any machine or tool on which the patents have expired, that is now being exploited by many makers, ask HENDRICKS'—

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MICHIGAN WIRE CLOTH CO. (All Kinds), 500 Howard, Detroit, Mich. (See adv. index, end of book)
Morse & Whyte Co., 75 Cornhill, Boston, Mass.
National Mfg. Co., Worcester, Mass.
National Wire Cloth Co., Niles, Mich.
New Freedom Wire Cloth Co. (Screen), New Freedom, Pa.
New Jersey Wire Cloth Co., Trenton, N. J.
New York Wire Cloth Co., 102 Chambers, New York.
Niagara Wire Cloth Co. (Hardware Grades), Buffalo, N. Y.
Palmer, I. E. (Window Screen), Middletown, Conn
Phoenix Wire Works, Detroit, Mich.
Reynolds Wire Co., Dixon, Ill.
Rice & Co., Lowell, Mass.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Standard Wire Cloth Co., Glen Rock, Pa.
Strawbridge & Chase Co. (Ltd.), 228 Arch, Phila., Pa.
Syracuse Wire Works, Syracuse, N. Y.
TAYLOR & DEAN, Penn av. & 25th, Pittsburg, Pa. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & brach offices, end of book)
Voss, Frederick, 617 Austin av, Chicago, Ill.
What Cheer Wire Works, Providence, R. I.
West Coast Wire & Iron Works, 17 Fremont, San Francisco, Cal.
White Brothers' Mfg. Co., Denver, Colo.
White Wire Works Co., Rochester, N. Y.
Whyte, Oliver & Co., 17 Cornhill, Boston, Mass.
Wickwire Bros. (Window Screen), Cortland, N.Y.
William, Geo. A. & Sons, 85 Fulton, New York.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Wire Cloth (Brass & Bronze)

ESTEY WIRE WORKS, 59 Fulton, New York. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Wire Cloth (Brass, Bronze & Copper)

American Wire Cloth Co., Newark, N. J.
Atlanta Wire & Iron Works Co., Atlanta, Ga.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Clinton Wire Cloth Co., Clinton, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
ESTEY BROS. CO., Liberty & Green-wich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS, 59 Fulton, New York. (See adv. index, end of book)
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
HUNGERFORD, U. T. BRASS & COP-per Co., 497 Pearl, New York.
McCluskey, H. & T. & Sons (Fine), New Haven, Conn.
MERCHANT & EVANS CO., (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
MEYERS, FRED. J. MFG. CO., Ham-ilton, O. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
New Jersey Wire Cloth Co., Trenton, N. J.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Thistle Wire Works (Brass), Lee, Mass.
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Wickwire Bros., Cortland, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

*Wire Cloth (Window Screen)

CLINTON WIRE CLOTH CO., Clinton, Mass. (See adv. index & branch offices, end of book)
DARBY EDW. & SONS CO., 239 Arch, Phia., Pa. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Ful-ton, New York. (See adv. index, end of book)
Hanover Wire Cloth Co., Hanover, Pa.
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Wire (Coiled Spring)

Carpenter Steel Co., Reading, Pa.
Eastwood Wire Mfg. Co. (Brass), Belleville, N. J.
Frost Wire Fence Co., Cleveland, O.
Kidd Bros. & Burgher Steel Wire Co. (Crucible, Needle, Awl, Spring, etc.), Aliquippa, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
Morgan Spring Co., Worcester, Mass.
Newman, C. Wire Co., 143 Liberty, New York
Spencer Wire Co., Worcester, Mass.
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.

Wire (Cold Drawn Steel)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Igoe Bros., 69 Metropolitan av., Brooklyn, N. Y. & Newark, N. J.
Kidd Bros. & Burgher Steel Wire Co., Aliquippa, Pa.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I. & 118th & E. R., New York.
Youngstown Sheet & Tube Co., Youngstown, O.

*Wire (Cold Rolled)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)

Wire (Copper)

(See Wire, Brass & Copper)

Wire (Copper Telephone)

American Electrical Works, Phillipsdale, R. I., 26 Cortlandt, New York.
AMERICAN STEEL & WIRE CO., Commercial Natl Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Collyer Insulated Wire Co., Pawtucket, R. I.
KERITE INSULATED WIRE & CA-ble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
Phillips Insulated Wire Co., Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.

Wire (Coppered)

American Electrical Works, Phillipsdale, R. I., & 26 Cortlandt, New York.
AMERICAN STEEL & WIRE CO., Commercial Natl Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Dewitt Wire Cloth Co., Philadelphia, Pa., & 299 B'way, New York
Igoe Bros., 69 Metropolitan av., Brooklyn, N. Y. & Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
Prentiss, G. W. & Co., Holyoke, Mass.
Reading Screw Co., Norristown, Pa.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Spencer Wire Co., Worcester, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Stewart Wire Co., Easton, Pa.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Wickwire Bros., Cortland, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Wire Cord

Spencer Wire Co., Worcester, Mass.
WRIGHT WIRE CO. (Picture), Wor-cester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co., Youngstown, O.

*Wire (Crucible Cast Steel)

DRIVER-HARRIS WIRE CO., Har-rison, N. J. (See adv. index, end of book)

*Wire Fabric Reinforcement

GENERAL FIREPROOFING CO., Youngstown, O. (See adv. index & branch offices, end of book)

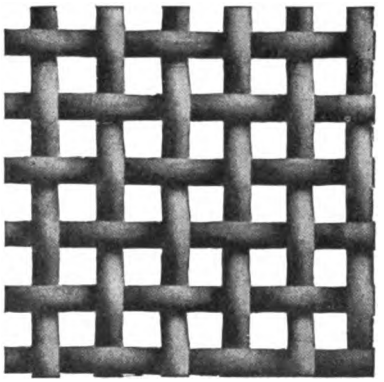
Wire (Feeder)

American Electrical Works, Phillipsdale, R. I., 26 Cortlandt, New York
AMERICAN STEEL & WIRE CO., Commercial Natl Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Electrical Co. (Electric Railway Wires & Cables), Ansonia, Conn.
Collyer Insulated Wire Co., Pawtucket, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 55 Dey, New York
KERITE INSULATED WIRE & CA-ble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
OKONITE CO. (Ltd.) (Railway Feed, etc.), 258 B'way, New York. (See adv. index, end of book)
Phillips Insulated Wire Co., Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Safety Insulated & Cable Wire Co., 114 Liberty, New York
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.

Wire Fences & Gates

Adrian Wire Fence Co. (Wholesale Mfrs.), Adrian, Mich.
Adams Steel & Wire Works, Joliet, Ill.
Anchor Fence & Mfg. Co. (Farm & Railroad "Anchor" Spring Wire), Cleveland, O.
ANCHOR POST IRON WORKS, 19 Cortlandt, New York. (See adv. index, end of book)
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Barnum, E. T. Wire & Iron Work, 82 Washington av., Detroit, Mich.
BOLLES, J. E. IRON & WIRE WKS., Cargill Mfg. Co. (Plain Coiled, Barbed & Ornamental for Farm & Railroad), Buttles av., Columbus, O. (See adv. index, end of book)
Bond Steel Post Co. ("Empire") Adrain, Mich.
CARPENTER, F. E. CO., 253 B'way, New York. (See adv. index, end of book)
CINCINNATI MFG. CO., 1243 W. 6th, Cincinnati, O. (See adv. index, end of book)
Clinton Wire Cloth Co., Clinton, Mass.
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
Cyclone Woven Wire Fence Co. (Cyclone Woven Wire), Cleveland, Ohio
Davis & Siehl, 4032 Hamilton av, Cincinnati, O.
De Kalb Fence Co. (Wholesale Mfrs.), De Kalb, Ill.
Denver Iron & Wire Works, Denver, Col.
De Witt Wire Cloth Co., 299 B'way, New York; 708 Market, Philadelphia, Pa.
Dow Wire & Iron Works, Louisville, Ky.
Dufur & Co., 811 N. Howard, Baltimore, Md.
Dwiggins Wire Fence Co. (Wholesale Mfrs.) (For Fields, Lawns, Cemeteries & Parks), Anderson, Ind.
Elliott & Bied Co. (Slat Fence, etc.), Richmond, Ind.
ESTEY BROS. CO., Liberty & Green-wich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Ful-ton, New York. (See adv. index, end of book)
Eureka Fence Mfg. Co. (Lawn Fences & Gates, etc.), Richmond, Ind.

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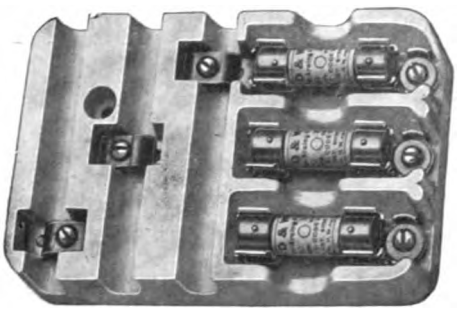
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Gilbert & Bennett Mfg. Co. (Wholesale Mfrs.), Georgetown, Conn.
Haish, Jacob, Co. (Wholesale Mfrs.), De Kalb, Ill.
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Hinderer, C. A. F., New Orleans, La.
HOWARD & MORSE (For Interior), 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Indiana Anchor Fence Co., South Bend, Ind.
International Steel Post Co., 719 Chestnut, St. Louis, Mo.
Janesville Barb Wire Co. (Wholesale Mfrs.), Janesville, Wis.
Keystone Steel & Wire Co. (Wholesale Mfrs.), Peoria, Ill.
King & Dexter Co., Portland, Me.
Kitselman Bros. (Wholesale Mfrs.) (Ornamental), Muncie, Ind.
Kokomo Fence Machine Co. (Wholesale Mfrs.) (Ornamental & Shield), Kokomo, Ind.
Lamb Wire Fence Co. (Wholesale Mfrs.), Adrian, Mich.
Lansing Wheelbarrow Co., Lansing, Mich.
Ludlow-Saylor Wire Co., St. Louis, Mo.
Majestic Wire Fence Co. (Lawn), Detroit, Mich.
Mason Fence Co. (Wholesale Mfrs.), Leesburg, O.
MEYERS, FRED. J. MFG. CO., Hamilton, O. (See adv. index, end of book)
Missouri Anchor Fence Co., St. Joseph, Mo.
Ohio Anchor Fence Co., Cleveland, O.
Pittsburg Steel Co. (Wholesale Mfrs.) (Perfect), Pittsburg, Pa.
Rickards Fence Co. ("Rickards" Steel Picket), Keokuk, Ia.
St. Louis Wire & Iron Co., 518 Chouteau av, St. Louis, Mo.
SCHREIBER, L. & SONS CO., 8th & Eggleston av., Cincinnati, O. (See. adv. index, end of book)
Sleeth Mfg. Co. (Lawn & Stock Fence), Belleville, N. J.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Southern Steel Co. (Field Fencing Only), Birmingham, Ala.
Spencer Wire Co. (Wholesale Mfrs.), Worcester, Mass.
Spring Steel Fence & Wire Co. (Wholesale Mfrs.), Anderson, Ind.
Stewart Iron Works Co., Covington, Ky.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Union Fence Co. (Wholesale Mfrs.), De Kalb, Ill.
VAN DORN IRON WORKS CO. (Steel), 2885 W. 79th, Cleveland, O. (See adv. index, end of book)
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
WISCONSIN IRON & WIRE WORKS, 190 E Water, Milwaukee, Wis. (See adv. index & branch offices, end of book)
WRIGHT WIRE CO. (Truss & Cable, Railway & Farm), Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co. (Wholesale Mfrs.), Youngstown, O.

Wire (Fire Detecting)

Montauk Fire Detecting Wire Co., 100 B'way, New York

*Wire (Fire-Proof)

VAN DORN ELECTRIC & MFG. CO., 2894 E. 79th, Cleveland, O. (See adv index, end of book)

Wire (Fixture)

Bishop Gutta Percha Co., 422 E. 25th, New York.
Moore, Alfred F., 202 N. 3d, Phila., Pa.

Wire (Flat & Round Tempered)

Cary Spring Works, 240 W 29th, New York
Morgan Spring Co., Worcester, Mass.
Crucible Steel Company of America (Crucible Steel Tempered & Untempered), Pittsburg, Pa.
Newman, C. Wire Co., 143 Liberty, New York
Seneca Wire Mfg. Co., Fostoria, Ohio
Spencer Wire Co., Worcester, Mass.
TRENTON WIRE CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

*Wire Flooring (Woven)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)

Wire (Florists')

Morgan Spring Co., Worcester, Mass.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
WRIGHT WIRE CO. (Floral Designs, etc.), Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Fourdrinier)

Appleton Wire Works, Appleton, Wis.
Babbitt-Harris Co., Clayville, N. Y.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
Brown & Sellers Co., Holyoke, Mass. book)
Buchanan & Bolt Wire Co., Holyoke, Mass.
Cabble, Wm. Excelsior Wire Mfg. Co., 41 Fulton, New York
De Witt Wire Cloth Co., 299 B'way, New York
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Eastwood Wire Mfg. Co., Belleville, N. J.
Federal Wire Cloth Co., Harrison, N. J.
McCluskey, H. & T. & Sons, New Haven, Conn.
Gleeson, Thos. E., 411 John, E. N., Newark.
Globe Wire Cloth Co., Harrison, N. J. N. J.
Thistle Wire Works, Lee, Mass.
TYLER, W. S. CO., Cleveland, O., & 11 B'way, New York. (See adv. index & branch offices, end of book)
Wisconsin Wire Works, Appleton, Wis.

Wire (Galvanized)

(See Wire, Market)

Wire (German Silver)

Babbitt-Harris Co., Clayville, N. Y.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass & Clock Co., Bristol, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
DRIVER-HARRIS WIRE CO. ("Ferro Nickel"), Harrison, N. J. (See adv. index, end of book)
HUNGERFORD, U. T. BRASS & COPper Co., 497 Pearl, New York
McCluskey, H. & T. & Sons, New Haven, Conn.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves, Paul S., & Son, 1415 Cathrine, Phila.,
Riverside Metal Co., Riverside, N. J. Pa.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Waterbury Brass Co., Waterbury, Conn., & 99 John, New York

Wire Glass for All Purposes

(See Glass, Wire, Manufacturers)

*Wire (Gold & Silver)

AMERICAN PLATINUM WORKS, Chestnut st. & N. J. R. R. av., Newark, N. J. (See adv. index, end of book)
UNITED WIRE & SUPPLY CO. (Solid), 109 Summer, Providence, R. I. (See adv. index, end of book)

*Wire (Gold & Silver Plated)

UNITED WIRE & SUPPLY CO. (Seamless), 109 Summer, Providence, R. I. (See adv. index, end of book)

Wire Goods (Bright)

(See also the Specific Article Required)

Baird Machine Co. (Bright, to Order), Oakville, Conn.
Bromwell Co., Cincinnati, O.
Brooks, M. S. & Sons (All Kinds of Screw Specialties, etc.), Chester, Conn.
Dean, Hy. E. & Co. (Kitchen), Worcester, Mass.
Jenckes, E. Mfg. Co. (Special, Bright Iron & Brass, etc.), Pawtucket, R. I.
Hamblin & Russell Mfg. Co., Worcester, Mass.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Jenkinson, R. S. &Co., (By Automatic Machines), Newark, N. J.
Kilbourne Mfg. Co., Troy, N. Y.
Lydall & Foulds Paper Co., Manchester, Conn.
MICHIGAN WIRE CLOTH CO., Detroit, Mich. (See adv. index, end of book)
Morgan Spring Co., Worcester, Mass.
Ossawan Mills Co. (Bright), Norwich, Conn.
Parker Wire Goods Co. (Bright & Mill Wire), Worcester, Mass.
Phila. Steel & Wire Co., 525 Commerce, Phila., Pa.
Smith, F. P. & Co. (Specials), Sharon Hill, Pa.
Special Machinery Co., Bridgeport, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.
Wire Goods Co. (Everything in Wire), Worcester, Mass.
Wire Specialty Co., 43 Fulton, Chicago, Ill.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Gun Wrapping)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Hairpin)

Morgan Spring Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Insulated)

Acme Rubber Mfg. Co. (Rubber Covered), Trenton, N. J.
Acme Wire Co. (Copper), New Haven, Conn.
American Electrical Works, Phillipsdale, R. I., & 26 Cortlandt, New York
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Ansonia Electrical Co., Ansonia, Conn.
Atlantic Insulated Wire & Cable Co., 120 Liberty, New York, & Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Belden Mfg. Co., 104 Michigan, Chicago, Ill.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bishop Gutta Percha Co. (Rubber & Gutta Percha), 420 E 25th, New York
Boston Insulated Wire & Cable Co., 82 Freeport, Dor., Boston, Mass.
Bradford, Kyle & Co., Plymouth, Mass.
Bridgeport Brass Co., Bridgeport, Conn., & 19 Murray, New York
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill., & 152 Lake, Chicago, Ill.
Collyer Insulated Wire Co., Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Detroit Insulated Wire Co., Detroit, Mich.
DIAMOND RUBBER CO., Akron, O. (See adv. index, end of book)
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Electric Cable Co. ("Voltax"), Bridgeport, Conn.
GENERAL ELECTRIC CO. (All Kinds), Schenectady, N. Y., & 30 Church, N. Y. (See adv. index & branch offices, end of book)
Habirshaw Wire Co., 253 B'way, New York
Hazard Mfg. Co. (Rubber), Wilkes-Barre, Pa., & 50 Dey, New York
Indiana Rubber & Insulated Wire Co. ("Paranite"), Jonesboro, Ind.
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)

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Malin & Co. (Spooled), 641 Long av., N. W., Cleveland, O.
Marion Insulated Wire & Rubber Co., Marion, Ind.
Montauk Fire Detecting Wire Co., 100 William, New York
Moore, Alf. F. (All Kinds), 200 N 3d, Phila., Pa.
National Conduit & Cable Co., 41 Park row, New York
National India Rubber Co., Bristol, R. I.
New England Electric Works, Lisbon, N. H.
New York Insulated Wire Co., 114 Liberty, New York.
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)
Phillips, Insulated Wire Co., Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Electrical Co., Cambridge, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, N. Y.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wire & Telephone Co. of America, Rome, N. Y.

Wire (Lead)

Chadwick-Boston Lead Co., Boston, Mass.

Wire (Machinery)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Morgan Spring Co., Worcester, Mass.
Prentiss, Geo. W. & Co., Holyoke, Mass.
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York

Wire (Magnet)

Acme Wire Co., New Haven, Conn.
American Electric Fuse Co. (Insulation Black Enamel), Muskegon, Mich.
American Electrical Works, Phillipsdale, R. I., & 26 Cortlandt, New York
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Ansonia Electrical Co. (Cotton & Silk Covered), Ansonia, Conn.
Belden Mfg. Co. (Copper), 194 Michigan, Chicago, Ill.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bradford, Kyle & Co., Plymouth, Mass.
Chicago Insulated Wire & Mfg. Co., 152 Lake, Chicago, Ill., & Sycamore, Ill.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
D & W FUSE CO. ("Deltabeston"), Providence, R. I. (See adv. index, end of book)
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
Electric Cable Co. ("Voltax"), Bridgeport, Conn.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Kellogg Switchboard & Supply Co. (Fine), Green & Congress, Chicago, Ill.
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Moore, Alfred F., 200 N 3d, Phila., Pa.
New England Electric Works, Lisbon, N. H.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Stromberg Carlson Telephone Mfg. Co., Rochester, N. Y.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York
Wire & Telephone Co. of America, Rome, N. Y.

Wire (Market)

American Can Co. (Galvanized Wire), 447 W 14th, New York
AMERICAN STEEL & WIRE CO., Commercial Nat. Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Atlanta Steel Co. (Open-Health Steel), Atlanta, Ga.
Griswold Co. (Annealed, Bright & Galvanized), Sterling Ill.
Griswold Wire Co. (Annealed), Braddock, Pa.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Igoe Bros., 69 Metropolitan av., Brooklyn, N. Y. & Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Indiana Steel Wire Co., Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Morgan Spring Co. (Finished, Bright, Annealed, Galvanized, etc.), Worcester, Mass.
Norton Iron Works (Inc.) (Annealed, Galvanized, etc.), Ashland, Ky.
Pittsburg Steel Co. (Annealed, Bright & Galvanized), Pittsburg, Pa.
Prentiss, G. W. & Co. (Annealed), Holyoke, Mass.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Seneca Wire Mfg. Co., Fostoria, Ohio.
Southern Steel Co. (Plain & Galvanized), Birmingham, Ala.
Spencer Wire Co. (Stone & Weaving), Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Trenton Iron Co., Trenton, N. J., & 17 Burling Slip, New York
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Wickwire Bros. (Annealed, Bright & Galvanized), Cortland, N. Y.
WRIGHT WIRE CO. (Annealed, Bright & Galvanized), Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co. (Annealed & Bright Smooth Wire), Youngstown, O.

Wire Mats (Steel)

(See Mats & Matting, Steel Wire)

Wire (Mattress)

Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co. (Tinned), Worcester, Mass.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
WRIGHT WIRE CO. (Tinned), Worcester, Mass. (See adv. index & branch offices, end of book)

*Wire (Monel Metal)

DRIVER-HARRIS WIRE CO. (Round & Flat Ribbon), Harrison, N. J. (See adv. index, end of book)

Wire (Nail)

Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire (Needle)

(See Wire, Steel Needle)

Wire (Norway Iron)

TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

*Wire (Nut)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See index, end of book)

Wire (Phosphor Bronze)

Babbitt-Harris Co. (Fine Wires), Clayville, N. Y.
DRIVER-HARRIS WIRE CO. (Round & Flat), Harrison, N. J. (See adv. index, end of book)

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MERCHANT & EVANS CO. (Inc.) (In Coils, etc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Phosphor Bronze Smelting Co., 2200 Washington av., Phila., Pa.
Reeves, Paul S. & Son, 1415 Catharine, Phila.,
Riverside Metal Co., Riverside, N. J. Pa.
Seymour Mfg. Co., Seymour, Conn.

Wire (Piano or Music)

AMERICAN STEEL & WIRE CO., Commercial Nat. Bank bldg. Chicago. Ill. (See adv. index & branch offices, end of book)
DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)
FRASSE, PETER A. & CO., 130 Worth, New York. (See adv. index & branch offices, end of book)
HAMMACHER, SCHLEMMER & CO. ("Felton & Guilleaume" High Grade), 183 4th av, New York. (See adv. index, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Malin & Co. (Cast Steel), 641 Long av. N. W., Cleveland, O.
Morgan Spring Co., Worcester, Mass.
Newman, C. Wire Co., 143 Liberty, New York
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Waterbury Company (Inc.), 69 South, New York
Webb Wire Works ("Blue Label"), New Brunswick, N. J.

Wire (Picture)

Ossawan Mills Co., Norwich, Conn.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See index, end of book)
TURNER & SEYMOUR MFG. CO., Torrington, Conn. (See adv. index, end of book)
Turner & Stanton Co., Norwich, Conn.

Wire (Pinion)

Kidd Bros. & Burgher Steel Wire Co. (Polished), Aliquippa, Pa.
Morgan Spring Co., Worcester, Mass.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See index, end of book)

Wire (Plain & Galvanized)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlanta Steel Co. (Open & Hearth Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Colorado Fuel & Iron Co., Denver, Col.
Griswold Co., Sterling, Ill.
Kelly Nail & Iron Co., Ironton, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Pittsburg Steel Co. (Steel), Pittsburg, Pa.
Southern Steel Co., Birmingham, Ala.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See index, end of book)

Wire (Platinum)

(See Platinum Sheet & Wire)

Wire Poultry Netting

AMERICAN STEEL & WIRE CO. (Galvanized Before Weaving, All Meshes & Sizes), Commercial Nat. Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
American Wire Cloth Co., Harrison, N. J.
American Wire & Iron Works Co., Atlanta, Ga.
Barbee Wire & Iron Works, 44 Dearborn, Chicago, Ill., & Lafayette, Ind.
Buffalo Wire Works Co., Buffalo, N. Y.
California Wire Cloth Co., San Francisco, Cal.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
Clinton Wire Cloth Co., Clinton, Mass.
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
De Kalb Fence Co., De Kalb, Ill.
De Witt Wire Cloth Co., 703 Market, Phila., Pa., & 299 B'way, New York.
Dow Wire & Iron Works, Louisville, Ky.
Dufur, Baggott & Co., 511 W German, Baltimore, Md.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
Eureka Fence Mfg. Co. ("Acme"), Richmond, Ind.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hallidie Painter Tramway Co., 46 Fremont, San Francisco, Cal.
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Majestic Wire Fence Co., Detroit, Mich.
New Jersey Wire Cloth Co., Trenton, N. J.
Nimmo Fence & Wire Works Co., 305 E. 4th, Cincinnati, O.
Pittsburg Steel Co., Frick bldg, Pittsburg, Pa.
Roebling's, John A. Sons Co. (of New York) (For Export), Trenton, N. J., & 117 Liberty, New York
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
West Coast Wire & Iron Works, San Francisco, Cal.
Wickwire Bros., Cortland, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Railroad Signal)

Western Wire Sales Co. ("Bishop," for Block Signal Installation), Chicago, Ill.

Wire (Resistance)

American Electrical Works, Phillipsdale, R. I.
Belden Mfg. Co. (German Silver), 194 Michigan, Chicago, Ill.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bradford, Kyle & Co., Plymouth, Mass.
Carpenter Steel Co., Reading, Pa.
Chicago Insulated Wire & Mfg. Co., 152 Lake, Chicago, Ill., & Sycamore, Ill.
Coe Brass Mfg. Co., Torrington, Conn.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Electrical Alloy Co., Norristown, Pa.
DRIVER-HARRIS WIRE CO. ("Nichrome," "Climax," "Advance," "Manganin," "Ferro-Nickel," "Monel," German Silver), Harrison, N. J. (See adv. index, end of book)
Moore, Alfred H., 200 N 3d, Phila., Pa.
New England Electric Works, Lisbon, N. H.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Seymour Mfg. Co., Seymour, Conn.
TRENTON IRON CO. ("Tico"), Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Standard Underground Cable Co., Pittsburg, Pa.
Washburn Wire Co., Providence, R. I.
Waterbury Brass Co., Waterbury, Conn.

*Wire (Resistance, Silk & Cotton Covered)

DRIVER-HARRIS WIRE CO., Harrison, N. J. (See adv. index, end of book)

Wire (Rivet, Staple, Screw, Etc.)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
Prentiss, Geo. W. & Co. (Staple & Screw), Holyoke, Mass.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I.
Youngstown Sheet & Tube Co., Youngstown, O.

Wire Rope Coating & Lubricant

American Supply Co., 3220 2nd av. Pittsburg, Pa.
American Supply Co., Providence, R. I.
BRODERICK & BASCOM ROPE CO., 809 N. Main, St. Louis, Mo. (See adv. index, end of book)
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
DIXON, JOS. CRUCIBLE CO. (Graphite), Jersey City, N. J. (See adv. index & branch offices, end of book)
Ironsides Co., Columbus, O.
Leschen, A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
STRONG MACHINERY & SUPPLY CO. ("Cableine"), 48 Franklin, New York. (See adv. index, end of book)
Taylor, J. W., Summerville, S. C.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index,

Wire Rope (Derrick & Dredging)

(See Wire Rope & Cables)

*Wire Rope Fastenings

BRODERICK & BASCOM ROPE CO., 809 N. Main, St. Louis, Mo. (See adv. index, end of book)

Wire Rope (Galvanized)

CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Leschen, A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

*Wire Rope ("Kilindo" Non-Rotating)

MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill. (See adv. index & branch offices, end of book)

STANDARD RESISTANCE WIRES — ROUND WIRE AND RIBBON

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*Wire Rope ("Monarch Whyte" Strand)

MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch of fices, end of book)

Wire Rope (Phosphor Bronze)

Phosphor Bronze Smelting Co., 2200 Wash'n av., Phila., Pa.
Reeves, Paul S. & Son, 1413 Catharine, Phila.,
Riverside Metal Co., Riverside, N. J. Pa.

Wire Rope Tramways

ALLIS-CHALMERS CO., Milwaukee, Wis. (See adv. index & branch offices, end of book)
BRODERICK & BASCOM ROPE CO., 809 N. Main, St. Louis, Mo. (See adv. index, end of book)
Consolidated Aerial Tramway Co. ("Lawson's," Looped Section Cableway for Ore, Coal & Lumber, etc.), Baltimore, Md.
Davis, F. M. Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Col.
DOBBIE FOUNDRY & MACHINE Co., Main Office & Works, N. Niagara Falls, N. Y. (See adv. index & branch offices, end of book)
Ousedan, Wm., 1782 Blake, Denver, Col.
Hallidie-Painter Tramway Co., 46 Fremont, San Francisco, Cal.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Leschen, A. & Sons Rope Co. (Overhead), 920 N 1st, St. Louis, Mo.
LIDGERWOOD MFG. CO., 96 Liberty, N. Y., & Old Colony bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
McFarlane Mfg. Co. ("Finlayson"), Denver, Col.
MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch offices, end of book)
MEAD-MORRISON MFG. CO. (Suspension & Railway), Cambridge (Boston), Mass. & 11 B'way, New York. (See adv. index & branch offices, end of book)
N. Y. Cableway & Engineering Co., 1 Rector, New York
NATIONAL HOISTING ENGINE CO. (Cableways, etc.), Harrison, N. J. (See adv. index & branch offices, end of book)
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
TRENTON IRON CO. ("Bleichert" Systems) Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
United Telpherage Co., 20 Broad, New York
Vulcan Iron Works, San Francisco, Cal.

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Wire Rope & Cables

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill. (See adv. index & branch offices, end of book)
BRODERICK & BASCUM ROPE CO. ("Towers"), 809 N. Main, St. Louis, Mo (See adv. index, end of book)
CARLIN'S, THOS. SONS CO. (Dealers), 1610 River av. North Side, Pittsburg, Pa. (See adv. index, end of book)
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
Durable Wire Rope Co. (Durable), 28 Atlantic av, Boston, Mass.
Hallidie-Painter Tramway Co. (Mfrs'. Agents), 46 Fremont, San Francisco, Cal.
Hazard Mfg. Co., Wilkes-Barre, Pa., & 50 Dey, New York
Leschen, A. & Sons Rope Co., St. Louis, Mo.
Macomber-Whyte-Moon Co., 122 Centre, New York
MACOMBER & WHYTE ROPE CO., 266 S. Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch offices, end of book)
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
TRENTON IRON CO. (Iron & Steel), Trenton, N. J., & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & E. R., New York
Waterbury Co. (Inc.), ("Giant"). 69 South, New York
Williamsport Wire Rope Co., Williamsport, Pa.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index, & branch offices, end of book)

Wire (Rubber Covered)

American Electrical Works, Phillipsdale, R. I.,
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Bishop Gutta Percha Co. (Solid & Flexible), 422 E 25th, New York
Collyer Insulated Wire Co., Pawtucket, R. I.
Eastern Electric & Cable Wire Co., 61 Hampton, Rox., Boston, Mass.
Illinois Electric Co. ("Raven" White Core National Code Wires & Cables), 239 Madison, Chicago, Ill.
Habirshaw Wire Co., 253 Broadway, New York
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
KERITE INSULATED WIRE & CA-ble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
Marion Insulated Wire & Rubber Co. (Cables), Marion, Ind.
Moore, Alfred F. (Solid & Flexible), 202 N 3d, Philadelphia, Pa.
National India Rubber Co., Bristol, R. I.
New York Insulated Wire Co. ("Grimshaw" & "Raven" White Core), 114 Liberty, New York.
Phillips Insulated Wire Co., Pawtucket, R. I.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.

Wire (Rule)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Newman, C. Wire Co., 143 Liberty, New York
TRENTON IRON CO., Trenton, N. J., 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York

*Wire (Scratch Brush)

DRIVER-HARRIS WIRE CO. (Brass, German Silver, Steel), Harrison, N. J. (See adv. index, end of book)

Wire (Screen)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Dewitt Wire Cloth Co., 299 B'way, New York, & Phila., Pa.
MEYERS, FRED. J. MFG. CO., Ham-ilton, O. (See adv. index, end of book)
Seneca Wire Mfg. Co., Fostoria, O.
Spencer Wire Co., Worcester, Mass.

Wire Shapes (Special)

Brooks, M. S. & Sons, Chester, Conn.
Jenckes, E. Mfg. Co., Pawtucket, R. I.
Jenkinson, R. C. & Co., 289 Washington, Newark, N. J.
Spencer Wire Co., Worcester, Mass.
Titchener, E. H. & Co., Binghamton, N. Y.
Wire Specialty Co., 30 W Randolph, Chicago, Ill.

Wire Specialties

(See Wire Goods (Bright)

Wire (Spoke)

Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.

Wire (Spooled)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Coe Brass Mfg. Co., Torrington, Conn.
Eastwood Wire Mfg. Co. (Brass & Copper), Belleville, N. J.
Malin & Co., 641 Long av. N. W., Cleveland, O.
MERCHANT & EVANS CO. (Inc.), 517 Arch, Phila., Pa. (See adv. index & branch offices, end of book)
Rome Brass & Copper Co., Rome, N. Y.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Wire Goods Co., Worcester, Mass.
WRIGHT WIRE CO. (Steel, Copper, Brass or German Silver), Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Square)

Independent Steel & Wire Co., Pittsburg, Pa.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Steel)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlanta Steel Co. (Open-Hearth), Atlanta, Ga.
Carpenter Steel Co. (High Grade), Reading, Pa.
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Crucible Steel Co. of America, Pittsburg, Pa.
Damascus Tool Steel Co. (Crucible), Pittsburg, Pa.
DRIVER-HARRIS IRON CO. ("Her-cules" Tinned Armature Binding), Harrison, N. J. (See adv. index, end of book)
Globe Wire Co. (Drawn Steel), Sharpsburg, Pa.
Grand Crossing Tack Co., 8 Chicago av & 79th, Chicago, Ill.
Griswold Co., Sterling, Ill.
Halcomb Steel Co. (Fine Crucible & High Grade), Syracuse, N. Y.
Hamilton's, T. Sons, 1346 E Berks, Phila., Pa.
Hazard Mfg. Co. (Cast Steel), Wilkes-Barre, Pa., & 50 Dey, New York
Igoe Bros. (Also Iron), 69 Metropolitan av., Brooklyn, N. Y., & Newark, N. J.
Independent Steel & Wire Co. (Basic & Bessemer), Pittsburg, Pa.
Indiana Steel Wire Co., Muncie, Ind.
Kidd Bros. & Burgher Steel Wire Co. (Coiled Crucible Polished), Aliquippa, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
Morgan Spring Co., Worcester, Mass.
New Process Mfg. Co., St. Louis, Mo.
Newman, C. Wire Co., 143 Liberty, New York
Norton Iron Works, Ashland, N. Y.
Pittsburg Steel Co. (Bessemer & Open-Hearth), Pittsburg, Pa.
Pittsburg Tool Steel Wire Co., Monaco, Pa.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Seneca Wire Mfg. Co., Fostoria, O.
Spencer Wire Co., Worcester, Mass.
Townsend, C. C. & E. P., New Brighton, Pa.
TRENTEN IRON CO. (Bessemer & Open Hearth; Also Iron Wire), Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Wickwire Bros., Cortland, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co. (Smooth Steel), Youngstown, O.

Wire (Steel Ball)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.

Wire (Steel, Band & Hack Saw)

Newman, C. Wire Co., 143 Liberty, New York
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York

Wire (Steel Brush)

(See Wire, Broom & Brush)

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¶ Hoisting rope of every description for elevators, mines, coal hoists, ore hoists, conveyors, derricks, ballast unloaders, etc. Towing hawsers, mooring lines, tiller rope and ships' rigging. Power transmission rope, street railway, mine haulage and surface haulage cables. Dredge and logging ropes, suspension bridge cables, cableway ropes and strands, guy strands, sash cord and clothes lines. Flat rope for hoisting purposes.

¶ Special rope of any description made to order.

¶ All the foregoing styles of rope are made of Swedish iron, crucible cast steel, plow steel, or galvanized iron or steel, according to requirements.

¶ Fittings and appliances for use in connection with wire rope.

¶ Large stock of all sizes carried in convenient warehouses, ready to ship immediately on telegraphic order, and in lengths from a foot to a thousand feet.

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MACOMBER & WHYTE ROPE COMPANY

MANUFACTURERS OF

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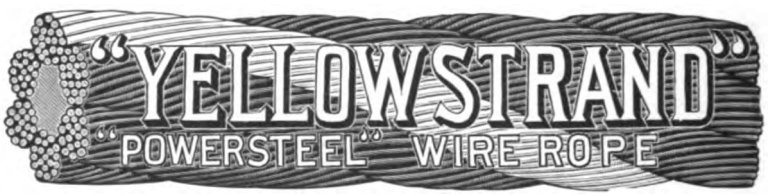


Appearance of ¼" traction rope after transporting 660,000 tons of ore.
Cost less than ⅕ of a cent per ton.

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TRENTON, NEW JERSEY.



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The Wires in this rope have a tensile strength of from 240,000 to 260,000 lbs. per sq. inch. Recommended for all heavy work

IS STRONG AND DURABLE

LARGE STOCKS CARRIED IN **NEW YORK** **ST. LOUIS** **SEATTLE**

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OF EVERY DESCRIPTION

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BRODERICK & BASCOM ROPE CO., St. Louis, Mo.

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Wire (Steel Needle)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Crucible Steel Company of America (Cold Drawn), Pittsburg, Pa.
Halcomb Steel Co., Syracuse, N. Y.
Independent Steel & Wire Co., Pittsburg, Pa.
Pittsburg Tool Steel Wire Co., Monaca, Pa.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Webb Wire Works, New Brunswick, N. J.

Wire (Steel Spring)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Hartley, Geo. (Cast Steel Watch, Clock, etc.), Waterbury, Conn.
Independent Steel & Wire Co., Pittsburg, Pa.
Kidd Bros. & Burgher Steel Wire Co. (Crucible Coiled Polished), Aliquippa, Pa.
Morgan Spring Co., Worcester, Mass.
Newman, C. Wire Co., 143 Liberty, New York
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Seneca Wire Mfg. Co., Fostoria, O.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co. (Clock & Motor, etc.), Phillipsdale, R. I., & 118th & Harlem River, New York.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire (Steel, Telephone & Telegraph)

Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire Straighteners (Roll & Rotary)

(See Machinery)

Wire Straighteners & Cutters (Automatic)

Franklin Mfg. Co. ("Crackerjack"), 133 Mill River, New Haven, Conn.
Franklin Mfg. Co. ("Crackerjack"), 133 Mill River, New Haven, Conn.
Hoefer Mfg. Co., Freeport, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Morgan Spring Co., Worcester, Mass.

Wire (Strand)

BRODERICK & BASCUM ROPE CO., 809 N. Main, St. Louis, Mo. (See adv. index, end of book)
Dewitt Wire Cloth Co., 299 B'way, New York. & Phila., Pa.
Hazard Mfg. Co. (Galvanized Steel), Wilkes-Barre, Pa., & 50 Dey, New York
Leschen, A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
MACOMBER & WHYTE ROPE CO., 266 S Clinton, Chicago, Ill., & 126 Centre, New York. (See adv. index & branch offices, end of book)
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Sub-Marine)

(See Cables, Sub-Marine)

Wire (Tack)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Morgan Spring Co., Worcester, Mass.
Seneca Wire Mfg. Co., Fostoria, O.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire (Tag)

Morgan Spring Co. (Cut or Bunched), Worcester, Mass.
Seneca Wire Mfg. Co., Fostoria, O.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
WRIGHT WIRE CO. (Cut or Bunched), Worcester, Mass. (See adv. index & branch offices, end of book)

Wire (Telephone & Telegraph)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., ("W & M," Steel, Iron or Copper), Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Atlantic Insulated Wire & Cable Co., 120 Liberty, New York, & Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Collyer Insulated Wire Co., Pawtucket, R. I.
Crawfordville Wire & Nail Co., Crawfordsville, Ind.
Detroit Copper & Brass Rolling Mills (Copper), Detroit, Mich.
Indiana Rubber & Insulated Wire Co. ("Paranite"), Jonesboro, Ind.
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
National Conduit & Cable Co., 41 Park Row, New York
New York Insulated Wire Co., 114 Liberty, New York.
Phillips Insulated Wire Co., Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Washburn Wire Co. (Galvanized Iron & Steel), Phillipsdale, R. I., & 118th & Harlem River, New York.
Wire & Telephone Co. of America (Telephone), Rome, N. Y.

Wire (Tinned)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Igoe Bros., 69 Metropolitan av., Brooklyn, N. Y., & Newark, N. J.
Independent Steel & Wire Co., Pittsburg, Pa.
Morgan Spring Co., Worcester, Mass.
Pittsburg Steel Co., Pittsburg, Pa.
Prentiss, G. W. & Co., Holyoke, Mass.
Sparzo, Jas. A. Wire Co. (Tinned Copper), Rome, N. Y.
Spencer Wire Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York.
Wickwire Bros., Cortland, N. Y.
WRIGHT WIRE CO., Worcester, Mass. (See adv. index & branch offices, end of book)
Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire Trellises

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Buffalo Wire Works Co., Buffalo, New York
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
HOWARD & MORSE, 45 Fulton, New York. (See adv. facing first page of Index of Contents)
Spencer Wire Co., Worcester, Mass.

Wire (Trolley)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn., & 99 John, New York
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co. ("Phono-Electric"), Bridgeport, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Collyer Insulated Wire Co., Pawtucket, R. I.
Detroit Copper & Brass Rolling Mills, Detroit, Mich.
Hendricks Bros., 49 Cliff, New York
Phillips Insulated Wire Co., Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)

Wire (Twisted)

Detroit Insulated Wire Co., Detroit, Mich.
Saurbrey, Albert F. (in 5000 Ft. Coils & Cut to Small Lengths), 259 E Livingston av, Columbus, O.
Spencer Wire Co., Worcester, Mass.

Wire (Umbrella)

AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Morgan Spring Co., Worcester, Mass.
TRENTON IRON CO., Trenton, N. J. & 30 Church, New York. (See adv. index, end of book)
Washburn Wire Co., Phillipsdale, R. I., & 118th & Harlem River, New York
Youngstown Sheet & Tube Co., Youngstown, Ohio

Wire (Waterproof)

Collyer Insulated Wire Co., Pawtucket, R. I.

Wire (Weatherproof)

American Electrical Works, Phillipsdale, R. I., & 26 Cortlandt, New York
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Ansonia Brass & Copper Co., Ansonia, Conn.
Ansonia Electrical Co. (Line Wires & Cables), Ansonia, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Benedict & Burnham Mfg. Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Chicago Insulated Wire and Mfg. Co., 152 Lake, Chicago, Ill.
Coe Brass Mfg. Co., Torrington, Conn.
Collyer Insulated Wire Co. (Also Slow Burning), Pawtucket, R. I.
Electric Cable Co. ("Voltax"), Bridgeport, Conn.
Ewing-Merkle Electric Co., 1108 Pine, St. Louis, Mo.
Hazard Mfg. Co. (Insulated), Wilkes-Barre, Pa., & 50 Dey, New York
Illinois Electric Co. (Including Slow Burning), 239 Madison, Chicago, Ill.
KERITE INSULATED WIRE & CAble Co. ("Kerite"), 30 Church, New York. (See adv. index, end of book)
Moore, Alfred F. (Also Slow Burning), 200 N 3d, Philadelphia, Pa.
National Conduit & Cable Co. (Wire & Cables), 41 Park row, New York
OKONITE CO. (Ltd.), 253 B'way, New York. (See adv. index, end of book)
Phillips Insulated Wire Co. (Slow Burning), Pawtucket, R. I.
Roebling's, John A. Sons Co. (of New York), Trenton, N. J., & 117 Liberty, New York.
Simplex Electrical Co., Cambrige, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburg, Pa.
Western Electric Co., 259 S Clinton, Chicago, Ill., & 57 Bethune, New York

Wire Weaving

Morgan Spring Co., Worcester, Mass.
Seneca Wire & Mfg. Co., Fostoria, Ohio.
Youngstown Sheet & Tube Co., Youngstown, Ohio

*Wire Winding on Hose

BOSTON BELTING CO., 260 Devonshire, Boston, Mass., & 100 Reade, New York (See adv. index & branch offices, end of book)

*Wire Work for Banks, Offices, Etc.

BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)

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ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
STANDARD CO., Railway Exchange bldg, Chicago, Ill. (See adv. index, end of book)
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)

Wire Workers

Acme Faney Wire Works, Detroit, Mich.
Adams Steel & Wire Works, Joliet, Ill.
Ajax Iron & Wire Co., 75 York, Brooklyn, N. Y.
American Fence & Forge Co., Dayton, O.
AMERICAN STEEL & IRON CO., Commercial Nat'l Bank Bldg., Chicago, Ill. (See adv. index & branch offices, end of book)
Anderson, H. C., 80 Pearl, New York.
Andrews Wire & Iron Works Co., Rockford, Ill.
Architectural Iron & Wire Works, Wheeling, W. Va.
American Iron & Wire Works, c Jefferson & W Lake, Chicago, Ill.
ARCHITECTURAL IRON & WIRE Works, Wheeling, W. Va.
Atlanta Wire & Iron Works Co., Atlanta, Ga.
Aubel, F. & E., 2504 Cadwallader, Phila., Pa.
Balderston, H. & Son, 319 Pearl, Baltimore, Md.
Baldwin Brass Works (Wire Guards, etc.), 232 S Canal, Chicago, Ill.
Baltimore Wire Works, 119 Light, Baltimore, Md.
Barnum, E. T. Wire & Iron Works, 82 Washington av., Detroit, Mich.
Bataille, Achille & Co., 587 Hudson, New York.
Berger, A. A., Houston, Tex.
BIGELOW, CHENEY WIRE WORKS, Springfield, Mass. (See adv. index, end of book)
BOLLES, J. E. IRON & WIRE Works, Detroit, Mich. (See adv. index, end of book)
Bridgeport Wire & Iron Works, Bridgeport, Pa.
Bromwell, Brush & Wire Goods Co., Cincinnati, O.
Buffalo Wire Works Co. (Guards), 316 Terrace, Buffalo, N. Y.
Caire, Justinian Co., 565 Market, San Francisco, Cal.
California Artistic Metal & Wire Co., 539 Mission, San Francisco, Cal.
California Wire Cloth Co., 8 Pine, San Francisco, Cal.
Carr Bros., 5311 W Lake av, Chicago, Ill.
Champion Iron & Wire Works, Omaha, Neb.
CINCINNATI MFG. CO., 1243 W 6th, Cincinnati, O. (See adv. index, end of book)
City Forge & Iron Works (Andrew Plocher, Prop.), Dayton, O.
Clinton Wire Cloth Co., Clinton, Mass.
Coleman, Wm. B., Covington, Ky.
COLUMBIA IRON & WIRE WORKS Co., Canton, O. (See adv. index, end of book)
Columbia Wire & Iron Works, 83 Walnut, Chicago, Ill.
COLUMBUS WIRE & IRON WORKS Co., Columbus, O. (See adv. index, end of book)
DARBY, EDW. & SONS CO., 239 Arch, Phila., Pa. (See adv. index, end of book)
Dean, Hy. E. & Co., Worcester, Mass.
Des Moines Wire Works, Des Moines, Ia.
De Witt Wire Cloth Co., 299 B'way, New York, & 703 Market, Phila., Pa.
Donovan Wire & Iron Co. (Plain & Ornamental), Toledo, O.
Durfur & Co., 311 N. Howard, Baltimore, Md.
ESTEY BROS. CO., Liberty & Greenwich, New York. (See adv. index, end of book)
ESTEY WIRE WORKS CO., 59 Fulton, New York. (See adv. index, end of book)
FLOUR CITY ORNAMENTAL IRON Works, 27th st. & 28th av., Minneapolis, Minn. (See adv. index, end of book)
FOREST CITY STEEL & IRON CO., 110th nr Detroit av., Cleveland, O. (See adv. index, end of book)
Fruhling, Wm. A., Los Angeles, Cal.
Globe Wire & Iron Works, Milwaukee, Wis.
HANKE IRON & WIRE WORKS, 1234 Fillmore, Chicago, Ill. (See adv. index, end of book)
Hennecke, C. Co., Milwaukee, Wis.
Hopkins & Co., 198 W B'way, New York
HOWARD & MORSE, 45 Fulton, New York. (See adv., facing first page of Index of Contents)
Huxley, John H., 107 Fulton, New York
Imperial Wire & Iron Roofing, Louisville, Ky.
Jackson & Cook, 318 Market, Philadelphia, Pa.
Kansas City Wire & Iron Works, Kansas City, Mo.
Kentucky Wire Works, Louisville, Ky.
Keystone Iron & Wire Railing Works, 618 Willow, Phila., Pa.
Kleeman, Trotter & Co., Kansas City, Mo.
LANDON, E. R. IRON & WIRE Works, 18 N. May, Chicago, Ill. (See adv. index, end of book)
Lasar-Letzig Mfg. Co., 1313 N 16th, St. Louis, Mo.
Linderschmidt Co., Evansville, Ind.
Louisville Wire Works (Inc.), Louisville, Ky.
Love Bros. (Inc.), Aurora, Ill.
Ludlow-Saylor Wire Co., St. Louis, Mo.
McCormack Wire & Iron Works, 770 Fulton, Brooklyn, N. Y.
Mack Iron Works Co., Sandusky, O.
May, Jacob, 850 DeKalb av, Brooklyn, N. Y.
Megquier & Jones Co., Portland, Me.
Melocik, Henry, 1313 Ashland av., Baltimore, Md.
Mesker, Geo. L. & Co., Evansville, Ind.
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich. (See adv. index, end of book)
Muth, Christian, 428 Blue Island av, Chicago, Ill.
National Iron & Wire Co., Cleveland, O.
National Mfg. Co., Worcester, Mass.
Newark Wire & Brass Works, 261 Market, Newark, N. J.
N. Y. Brass & Wire Works Co., 177 Grand, New York
Norwood, King & Weis, 30 Boerum, Brooklyn, N. Y.
Ornamental Iron & Wire Works Co. (Inc.), Portsmouth, Va.
Perkins Mfg. Co., St. Paul, Minn.
Phoenix Wire Works, Detroit, Mich.
Pioneer Iron & Wire Works Co., Denver, Col.
PITT, WM. R. COMPOSITE IRON Works, 136-138 W 24th, New York. (See adv. index, end of book)
Portland Wire & Iron Works, Portland, Ore.
Purcell, N. F. & Co., 282 S Clinton, Chicago, Ill.
Queen City Wire Works, 193 Seneca, Buffalo, N. Y.
St. Louis Wire & Iron Co., 520 Chouteau av, St. Louis, Mo.
San Francisco Novelty & Plating Works, 515 Mission, San Francisco, Cal.
SMITH, F. P. WIRE & IRON WORKS, 100 Lake, Chicago, Ill. (See adv. index, end of book)
Snow Wire Works Co., Rochester, N. Y.
Stidman & Co., 16 N. Frederick, Baltimore, Md.
Strawbridge & Chase (Ltd.), 228 Arch, Phila., Syracuse Wire Works, Syracuse, N. Y. Pa.
TAYLOR & DEAN, Penn av & 25th, Pittsburg, Pa. (See adv. index, end of book)
Titchener, E. H. & Co., Binghamton, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Twin City Iron & Wire Works, 223 E 6th, St. Paul, Minn.
TYLER, W. S. CO., Cleveland, O. (See adv. index & branch offices, end of book)
Voss, Fred., 617 Austin av, Chicago, Ill.
VULCAN CO., Detroit, Mich. (See adv. index, end of book)
West Coast Wire & Iron Works, 17 Fremont, San Francisco, Cal.
Western Wire Works, San Francisco, Cal.
What Cheer Wire Works, Providence, R. I.
White Bros. Mfg. Co., Denver, Colo.
White Wire Works Co., Rochester, N. Y.
Whyte, Oliver & Co., 17 Cornhill, Boston, Mass.
Williams, Geo. A. & Sons, 85 Fulton, New York.
Wilson, H. P. & H. F., 577 10th av, New York
WISCONSIN IRON & WIRE WORKS, Milwaukee, Wis. (See adv. index, end of book)

Wire Working Machinery

(See Machinery, Etc.)

Wire (Zinc)

Lanyon Zinc Co., Iola, Kan.

Wires (Pointed)

Reed & Prince Mfg. Co., Worcester, Mass.

Wires (Threaded)

Ohio Nut & Bolt Co., Berea, O.
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.

Wood (Bent)

Carrier Lumber & Mfg. Co., Sardis, Miss.
Dann Bros & Co. (To Order), New Haven, Conn.
Gillette, C. H. & Co., Indianapolis, Ind.
Gillette, C. H. & Son, Jonesboro, Ark.
Gillette, W. H., Louisville, Ky.
Michigan Barrel Co., Grand Rapids, Mich.

Wood Carpets

(For all other Manufacturers of Wood Carpets see Floors, Parquet)

THE INTERIOR HARDWOOD CO. MANUFACTURERS INDIANAPOLIS, IND.
(See adv. index, end of book)

WOOD-MOSAIC FLOORING & LUMBER Co., Main Office & Factory, Rochester, N. Y. (See adv. index & branch offices, end of book)

Wood Columns

(See Columns, Porch, Etc., Manufacturers)

Wood Dye

Johnson, S. C. & Son ("Johnson's"), Racine, Wis.

Wood Finishes

(See Hard Oil Finish)

Wood Floor-Interlocking

(See Flooring, Wood Block)

*Wood Floors (Mosaic)

(See also Wood Carpets; also Floors, Parquet)

THE INTERIOR HARDWOOD CO. MANUFACTURERS INDIANAPOLIS, IND.
(See adv. index, end of book)

WOOD-MOSAIC FLOORING & LUMBER Co., Main Office and Factory, Rochester, N. Y. (See adv. index & branch offices, end of book)

Wood (Lignumvitae)

Boston & Lockport Block Co., 160 Commercial, Boston, Mass.
McMillan's, W. H. Sons (Rough, Turned & Sawed), 153 South, New York
Maryland Steam Block & Pump Works, Baltimore, Md.

Wood Modelers (Architectural)

(See Carvers, Wood, Classic; also Modelers & Sculptors, Architectural)

Wood Novelties (Turned, Etc.)

(See also Woodenware & Novelties)

American Enamel Co., Providence, R. I.
American Wood Working Co., 106 Fulton, New York. Factory, Weld, Me.
Bender Co., Hamilton, O.
Estes, E. B. & Sons, 74 Warren, New York
Hawes-Laanna Co. (Rolling Pins, Potato Mashers, Slaw Cutters, Towel Racks, etc.), Towanda, Pa.
Hellenberg & Son (Ten Pins, Mauls & Mallets, Indian Clubs, Dumb Bells, Exercising Horizontal Bars & Trapeze Bars, etc.), Coldwater, Mich.
Holland Veneering Co., Holland, Mich.
Lewis, W. E. Mfg. Co. (Wooden Novelties), West Springfield, Pa.
Markham Mfg. Co., Plymouth, Mich.
Martin, L., Richmond, N. H.
Mossman, Jerome, Fitchburg, Mass.
Novelty Turning Co. (& Enamels, Potato Mashers, Rolling Pins, Chopping Bowls, Toys, Furniture, Druggists' Boxes, etc.), Norway, Me.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Peters', Jno. M Sons (Handles, Towel Racks, Rings, Curtain Fixtures, etc.), Bleecker, N. Y.
Phillips, A. J., Co. (Door Holders, Towel Racks, Mops, Stable Scrapers, etc.), Fenton, Mich.
Peirce, W. E. & Co., Milford, N. H.
Piqua Handle & Mfg. Co., Piqua, O.
Richardt & Bechtold (Kitchen, Dairy, Bakery & Confectioners' Utensils), Bellaire, Mich.
Russell Bros. & Estes, Farmington, Me.

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Sandusky Tool Co. (Croquet Balls, Indian & Base Ball Clubs, Small Handles, Mauls, Potato Mashers, Mallets, Bung Starters, Chalk Line Reels, etc.), Sandusky, O.
Sidney Novelty Co., Sidney, N. Y.
Sommer's, John Son (Faucets, Mallets, Rolling Pins, Reels, Mashers, Air Vents, etc.), Newark, N. J.
Standard Novelty Works, Texarkana, Ark.
Stowell, N. S. Spool & Wood Turning Co. (Spools, Tool & Small Handles, Boxes, etc.), Dixfield, Me.
Wausau Novelty Co., Wausau, Wis.
Western Box Co. (Druggists' Boxes, Lock Corner Boxes, etc.), 42 River, Chicago, Ill.
Weston Paper & Mfg. Co. (Wood Pie Plates & Dishes), Dayton, O.
Williams & Marvin Mfg. Co. (Caster Wheels, Closet Pulls, Small Knobs, Pin Bushings & Variety Turnings), Deep River, Conn.
Woodstock Hardwood & Spool Mfg. Co. (Heavy Hardwood for Shipbuilding & Locomotive Building, Textile Mills, etc.), Charleston, S. C.

Wood Pipe

(See Pipe, Wood)

*Wood Pipe Casings ("Wyckoff")

WYCKOFF, A. & SON CO. (Patent Waterproof Steam Pipe Coverings), Elmira, N. Y. (See adv. index, end of book)

Wood Preservatives

(See also Creosoting Works)

Barber Asphalt Paving Co. (Dead Oil of Coal Tar Process), Maurer, N. J.
Barrett Mfg. Co. (Creosote), Land Title bldg, Philadelphia, Pa.
Berlin Mills Co., Portland, Me.
C. A. Mfg. Co. ("C. A."), Austin, Tex.
CABOT, SAMUEL (Conservo), 141 Milk, Boston, Mass. & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
Carbolinum Wood Preserving Co. ("Avenarius") Milwaukee, Wis.
Cromwell-Walker Co., Harrison, N. J.
Dielectric Co. of America, ("Phenoreum"), Belleville, N. J.
ELECTRIC FIREPROOFING CO., New York. (See adv. index, end of book)
Eppinger & Russell Co., 68 Broad, New York.
GROSCHE, BRUNO & CO., 13 Jones Lane, New York. (See adv. index, end of book)

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Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Indianapolis Chemical Co., 1442 Madison av, Indianapolis, Ind.
International Creosoting & Construction Co., Galveston, Tex.
Menzel, Wm. & Son (Ligni Salvor), 68 Broad, New York
Milwaukee Wood Preserving Co., 806 3d, Milwaukee, Wis
NEVIN, T. H. CO., North Side, Pittsburgh, Pa. (See adv. index, end of book)
Norfolk Creosoting Co., Norfolk, Va.
Preservative Products Co. ("Eco"), 1133 B'way, New York
Protectus Co., North American bldg, Philadelphia, Pa.
Sonneborn, L. Sons (Inc.), ("Amalia," "Korbol"), 282 Pearl, New York.
Spirittine Chemical Co., Wilmington, N. C.
U. S. Wood Preserving Co., 29 B'way, New York. Works, Perth Amboy, N. J.
Walker Chemical Works, Harrison, N. J.

*Wood Pulp Mfrs.

DU PONT, E. I., de NEMOURS POWder Co., Wilmington, Del. (See adv. index & branch offices, end of book)

Wood Stains

Acme White Lead & Color Works, Detroit, Mich.
Allentown Mfg. Co., Allentown, Pa.
Ashley, T. C. & Co., 54 High, Boston, Mass.
Barrett, Chas. A. P. Co., Dayton, O.
Berry Bros. (Limited), Main Office & Factory, Detroit, Mich
Billing-Chapin Co., 1163 E. 40th, N. E., Cleveland, O.
Billings, King & Co., 438 Pearl, New York, & 153 Congress, Boston, Mass.
Bowers, U. R. & Sons ("Afro-Lac"), Los Angeles, Cal.
Bridgeport Wood Finishing Co. (Oil, Water & Penetrating), New Milford, Conn.
CABOT, SAMUEL, 141 Milk, Boston, Mass., & 28 Dearborn av, Chicago, Ill. (See adv. index & branch offices, end of book)
Chicago Varnish Co. (Wood Tints), 855 Elston av., Chicago, Ill.
Chicago Wood Finishing Co., 259 Elston av, Chicago, Ill.
Connors, Wm. Paint Mfg. Co., Troy, N. Y.
Devoe, F. W. & C. T. Raynolds Co., Fulton & William, New York.
Dexter Bros. Co., 103 Broad, Boston, Mass
Eagle Paint & Varnish Co., Allegheny, Pa.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Forest City Paint & Varnish Co., Hamilton & Kirtland, Cleveland, O.
FRENCH, SAMUEL H. & CO., 4th & Callowhill, Philadelphia, Pa. (See adv. index, end of book)
Glidden Varnish Co., Rockefeller Bldg., Cleveland, O.
GROSCHE, BRUNO & CO., 13 Jones Lane, New York. (See adv. above)
Harrison Bros. & Co. (Inc.), 35th c Gray's Ferry rd, Phila., Pa.
King Paint Mfg. Co., 27 Dunham pl, Brooklyn, N. Y.
Lawrence-McFadden Co., 1400 Franklin, Phila., Pa.
Lucas, J. & Co., 322 Race, Phila., Pa.
McLennan Paint Co., Detroit, Mich.
McQuade, John & Co., 416 Marcy av., Brooklyn, N. Y.
Marietta Paint & Color Co., Marietta, O.
Masury, John W. & Son, Brooklyn, N. Y.
NEVIN, T. H. CO., North Side, Pittsburgh, Pa. (See adv. index, end of book)
Nice, Eugene E. (Nice), 272 S 2nd, Phila., Pa.
Patterson-Sargent Co. ("Mission"), Cleveland, Ohio
Pratt & Lambert (Inc.), 100 William, New York.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Works, 29 B'way, New York
Union Roofing & Mfg. Co. (Creosote), St. Paul, Minn.
Wadsworth-Howland Co. (Inc.), Carpenter & Fulton, Chicago, Ill.
Wadsworth, Howland & Co., 84 Wash'n, Boston, Mass.
Walker Chemical Works, Harrison, N. J.
Wilhelm, A. Co., Reading, Pa.
Woolsey, C. A. Paint & Color Co., Merseles & Colden, Jersey City, N. J.

Wood Turned Goods, Etc.

(See Wood Novelties, Turned, Etc.)

Wood Turned House Trimmings

(See Columns, Porch, etc., Mfrs.; also Corner, Base & Head Block Mfrs.; also Grille, Fret & Lattice Work; also Mouldings, Various Kinds; also Ornaments, Wood; also Stair Builders' Supplies)

Wood Turning (Architectural)

Angne, G. & Co., 573 Reading rd, Cincinnati, O.
American Wood Working Co., 108 Fulton, New York
Baltimore Pattern & Model Works (Circus Wagon, Show Fronts, Animals, Birds, Images, etc.), 218 N Holliday, Baltimore, Md.
Batavia & New York Woodworking Co., Batavia, N. Y.
Blair, H. Crawford, 103 Eddy, Providence, R. I.
Boynton & Co., 421 W 15th, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Central Wood Turning Co., Minneapolis, Minn.
Clark, G. A. (House Turnings, etc.), Sidney, N. Y.
Dickey, Adam, & Co., 41 Bristol, Boston, Mass.
Ebnborn Wood Turning & Mfg. Co., 19 N Jefferson, Chicago, Ill.
Essex Wood Turning Co. (Spindles of all Varieties), Essex, Conn.
Foster-Munger Co. (For the Trade Only), W 20th & S Sangamon, Chicago, Ill.
Gass, John H. Co., 601 Sackett, Brooklyn, N. Y.
Grand Rapids Carved Moulding Co., Grand Rapids, Mich.
Hillerich, J. F. & Son, 216 1st, Louisville, Ky.
Lenzer, Hy. & Son, 620 Main, Cincinnati, O.
Lewis, W. B. Mfg. Co. (Wooden Novelties), West Springfield, Pa.
Lovejoy, G. W., 1535 Main, Kansas City, Mo.
Mitchell, Robt., Furniture Co., 624 Race, Cincinnati, O.
New York Carved Moulding Co., Rider av & 139th, New York.
OSIECKI, THOS., 600 Kent av, Brooklyn, N. Y.
Peirce, W. E. & Co., Milford, N. H.
Pinches, Jno. Co., New Britain, Conn.
Root, C. R., 104 Asylum, Hartford, Conn.
Schaefer, Louis, W 21st c Loomis, Chicago, Ill.
Scranton Wood Working Co., Scranton, Pa.
STEARNS, A. T. LUMBER CO., Neponset, Boston, Mass. (See adv. index, end of book)
Walter, Rudolph, 4283 Park av, New York

Wood Turning & Enameling

American Enamel Co., Providence, R. I.
Baker, McMillen Co., Akron, O.
Brown, Lyman, Fitchburg, Mass.
Estes, E. B. & Sons, 74 Warren, New York
Hallworth Mfg. Co., Providence, R. I.
Handy Things Co., Ludington, Mich.
Indiana Small Handle Works, Fort Wayne, Ind.
Novelty Turning Co., Norway, Me.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Providence Enamel Co., Providence, R. I.
Schutz Bros., 71 W Broadway, New York

Wood Turnings (Automatic)

American Enamel Co. (Artistic & Novelty, Small & Turned Woodwork), Providence, R. I.
Boynton & Co., 421 W 15th, Chicago, Ill.
Harris & Cole Bros. (Wholesale Mfrs.), Cedar Falls, Iowa; Metropolis, Ill., & Columbia, Tenn.
Mahle, C. A. & Son (Ltd.), (Variety), Corry, Pa.
New York Carved Moulding Co., Rider av & 139th, New York
Peirce, W. E. & Co., Milford, N. H.
Rowe, Henry Mfg. Co. (Handles, Draw Pulls, Balls, Spindles, etc.), Newaygo, Mich.
Stephenson Mfg. Co., South Bend, Ind.
Thayer, Geo. A., Spruce Corner, Mass.
Tebbets, E. L. & Co. (Variety Turnings), Locke Mills, Pa.

Wood Turnings (Electrical)

(See also Woodwork, Electrical)

American Enamel Co. (Also Enameled Turnings), Providence, R. I.
Ebnborn Wood Turning & Mfg. Co., 19 N Jefferson, Chicago, Ill.
Harris & Cole Bros. (Wholesale Mfrs.), Cedar Falls, Ia.
Mahle, C. A. & Son (Agl. Wrench Handles, Brush & Broom Blocks, etc.), Corry, Pa.

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Nashua Spool & Bobbin Co., Journal Bldg., Boston, Mass.
New York Carved Moulding Co., Rider av & 139th, New York
Novelty Turning Co. (Handles, Knobs, Buttons & Cord Adjusters, etc.), Norway, Me.
Ohio Scroll & Lumber Co. (Inc.), Covington, Ky.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Thayer, Geo. A., Spruce Corner, Mass.
Union Hardware Co. (Of All Kinds), Providence, R. I.

Wood Turnings (Rope & Spiral)

(See Mouldings, Various Kinds)

Wood Wool

Detroit Excelsior Works, Detroit, Mich.
Standard Excelsior Works, Atlanta, Ga.

Woodenware & Novelties, Mfrs.

(See also Wood Novelties, Turned, etc.)

Anderson Box & Basket Co. (Boxes & Baskets), Henderson, Ky.
Ballou Basket Works (Baskets, etc.), Belding, Mich.
Beaver Mills, Keene, N. H.
Belding Hall Mfg. Co. (Stone Boards, etc.), Belding, Mich.
Bliss Mfg. Co. (Woodenware, Mop Sticks, etc.), Bliss, N. Y.
Booth & Ensign (Baskets), Gasport, N. Y.
Bousfield & Co. (Woodenware), Bay City, Mich.
Brammer, H. F., Mfg. Co. (Woodenware & Washing Machines), Davenport, Ia.
Bridgeport Woodenware Mfg. Co., Bridgeport, Ala.
Cummer Mfg. Co. (Woodenware, etc.), Cadillac, Mich.
Dundas Woodenware Co., Dundas, Wis.
Fuller, L. A., Marlboro Depot, N. H.
Handy Things Co., Ludington, Mich.
Hercules Specialty Co., Grove City, Pa.
Keene Woodenware Co., Keene, N. H.
Law, Ernest & Co. (Wooden Tent Poles & Pins), Harrison Bldg, Phila., Pa.
Lewis, W. E. Mfg. Co. (Wooden Novelties), West Springfield, Pa.
Ludington Woodenware Co., Ludington, Mich.
Martin, Leason (Chair Stock, Pails, etc.), North Richmond, N. H.
Menasha Woodenware Co., Menasha, Wis.
OSBORN MFG. CO. (Rice Plant), New Durham, N. H. (See adv. index, end of book)
Richardi, H., Bellaire, Mich.
Richardi & Bechtold, Bellaire, Mich.
Stokes, W. A. & Co., 30 Warren, New York
Udell Works (House Furnishing & Kitchen Woodenware), Indianapolis, Ind.
Wellington, E. I. Rindge, N. H.
Wolf, Peter, Lomira, Wis.

Woodwork (Architectural & Interior)

(See Interior Hardwood Work; also Sashes, Doors & Blinds)

Woodwork (Electrical)

(See Telephone Cabinet Work; also Wood Turnings, Electrical; also Mouldings, Electric Wiring)

Wool Carbonizers

Cochrane Chemical Co., Boston, Mass.

Wool Wadding

Bacon, C. N., Felt Works, Winchester, Mass.
Evans & Co. ("Hygiene"), Lockport, N. Y.
Graham, Chas., Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.

Wrappers (Coin)

Detroit Coin Wrapper Co. ("Detroit," Made of Heavy Pressed Paper), Detroit, Mich.

Wrappers (Conduit Joint)

Phila. Electrical & Mfg. Co., 1234 N 31, Phila., Pa.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

Wrecking (Building)

(See Building Materials (Second-Hand)

Wrenches (Adjustable)

Anderson Coupling Co. ("Turnmore"), Portland, Conn.
Bemis & Call Harware & Tool Co. (S. Nut & Pipe), Springfield, Mass.
Billings & Spencer Co., Hartford, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Crescent Tool Co. ("Crescent" Drop Forged), Jamestown, N. Y.
Cronk & Carrier Mfg. Co. ("Alligator"), Elmira, N. Y.
Greene, Tweed & Co. ("Baxter"), 109 Duane, New York
Hall, Chas. E. Co., Buffalo, N. Y.
Hjorth, Wm. & Co., Jamestown, N. Y.
Keystone Mfg. Co. ("Westcott S."), Buffalo, N. Y.
Mark Mfg. Co. ("Baxter's"), Evanston, Ill.
Mossberg, Frank Co. ("Sterling" "Diamond" "Alderman" "National" A. & B. Series), Attleboro, Mass.
Offset Handle Wrench Co. ("Ellis"), 125 La Salle, Chicago, Ill.
Oliver Mfg. Co., 203 S. Desplaines, Chicago, Ill.
Star Mfg. Co. ("Elgin"), Carpentersville, Ill.
Uwanta Wrench Co. ("Uwanta" Instantaneous), Meadville, Pa.
Webb & Hildreth Mfg. Co. (Automatic), Gloversville, N. Y.
Welch, T. F. & Co. (Adjustable Tap), 65 Sudbury, Boston, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Zwicker, Fredk. ("The Z"), 463 Harmon, Indianapolis, Ind.

Wrenches (Adjustable, Pocket)

Billings & Spencer Co., Hartford, Conn.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.

Wrenches (Agricultural)

Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)
Indianapolis Drop Forging Co. (Screw), Indianapolis, Ind.
Lamson & Sessions Co. ("Canfield," Wrought Bar), Cleveland, O.
Uwanta Wrench Co. ("Uwanta"), Meadville, Pa.
Vandegrift Mfg. Co., Shelbyville, Ind.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Alligator)

Acme Hardware Co. ("Victor" Adjustable Drop Forged), Newark, N. J.
Bonney Vise & Tool Works, Allentown, Pa.
Canton Drop Forge & Mfg. Co., Canton, O.
Cronk & Carrier Mfg. Co. (Adjustable), Elmira, N. Y.
Forsyth Mfg. Co. ("Always Ready"), Buffalo, N. Y.
Keystone Drop Forge Works ("Keystone," "Crocodile"), Chester, Pa.
Kraeuter & Co. ("Victor" Adjustable), Newark, N. J.
Boebling's, John A. Sons Co. (of New York) (Drop Forged), Trenton, N. J., & 117 Liberty, New York
Star Mfg. Co. ("Elgin"), Carpentersville, Ill.
Washington Tool Co. (Steel), Owatonna, Minn.
Wells, F. E. & Son Co. (Drop Forged), Greenfield, Mass.
Whitaker Mfg. Co. (Drop Forged), 30 W Monroe, Chicago, Ill
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox, D. Mfg. Co., Mechanicsburg, Pa.

Wrenches (Always Ready)

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Automatic)

Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Trimont Mfg. Co. ("Trimo"), Amory av, Roxbury, Boston, Mass.
Webb & Hildreth Mfg. Co., Gloversville, N. Y.

Wrenches (Automobile)

Ardmore Mfg. Co. ("Lowndes Duplex"), Ardmore, Pa.
Baystate Tool Co., Worcester, Mass.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Brosnihan Wrench Co., Worcester, Mass.
COES WRENCH CO. ("Star 91"), Worcester, Mass. (See adv. index, end of book)
Essex Mfg. & Supply Co., Newark, N. J.
Globe Machine & Stamping Co., 3868 Hamilton av., Cleveland, O.
Hall, Chas. E., Co., Buffalo, N. Y.
Handy Tool Co., Bellevue, Ohio.
Harris, E. T. ("Service," "Alligator"), 531 W. 15th, Chicago, Ill.
Kimball Co. ("Rapid"), Boston, Mass.
Mason Wrench & Tool Co., First Natl. Bank bldg, Chicago, Ill.
Pederson Mfg. Co., 636 1st av, New York
Perfection Wrench Co. ("Perfection"), Port Chester, N. Y.
Railway Appliances Co. ("Auto-Cle" Ratchet), Old Colony Bldg., Chicago, Ill.
Rex Wrench Co. ("Rex Wrench Co. ("Rex" T. Socket, Also for Motor Boats), Boston, Mass.
Syracuse Wrench Co. ("Yala"), Syracuse, N. Y.
Wakefield, Jno. E., Worcester, Mass.
Walden Mfg. Co., Worcester, Mass.
Warren Axle Tool Co. ("American"), Warren, Pa.
WHITMAN & BARNES MFG. CO., ("W & B"), West Pullman, Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Basin)

BERNZ, OTTO ("Bunnzell"), S. 12th c S Orange av, Newark, N. J. (See adv. index, end of book)
Climax Specialty Co., Elmira, N. Y.
Osborne, C. S. & Co. ("S. S. O. & C." "Bunnell's"), Harrison, N. J.
Sayre, L. A. & Co., 332 Mulberry, Newark, N. J.
Trimont Mfg. Co. ("Trimo"), Armory av., Roxbury, Boston, Mass.

Wrenches (Bicycle & Pocket)

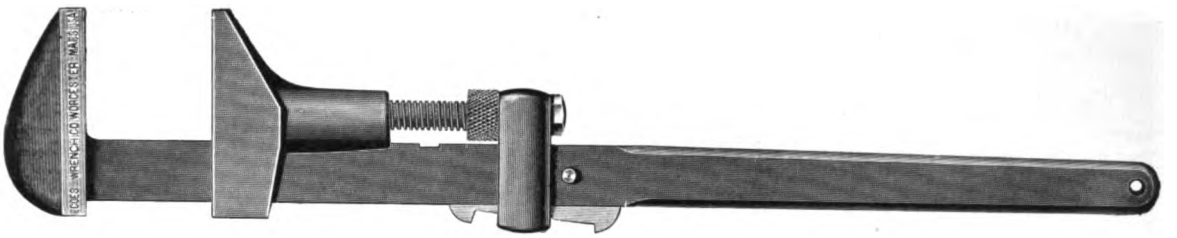
Andrews, C. E., Forestville, Conn.
Barnes Tool Co., New Haven, Conn.
Beckley-Ralston Co., 80 Michigan av, Chicago.
Billings & Spencer Co., Hartford, Conn. Ill.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Crosby Co., Buffalo, N. Y.
Dudley Tool Co., Menominee, Mich.
Ellis, F. L., & Son, Milldale, Conn.
Hall, Chas. E. Co., Buffalo, N. Y.
Jennings, C. B. Co., 42 Murray, New York
Lamson & Sessions Co. (Case Hardened Steel Screw Wood Handle; also the "Buckeye"), 2188 Scranton Rd, S. W., Cleveland, O.
Mossberg, Frank Co., Attleboro, Mass.
Mossberg Wrench Co., Central Falls, R. I.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Peck, Stow & Wilcox Co., Southington, Conn.
Smith, Thomas & Co., Worcester, Mass.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith & Hemenway Co., 108 Duane, New York
Star Mfg. Co., Carpentersville, Ill.
Sturges & Burn Mfg. Co., Chicago, Ill.
Tower & Lyon Co., 95 Chambers, New York
Wakefield, Jno. E., Worcester, Mass.
WILLIAMS, J. H., & CO., Brooklyn, N. Y. (See adv. index, end of book)
Williams, J. H. & Co., Brooklyn, N. Y.

Wrenches (Box)

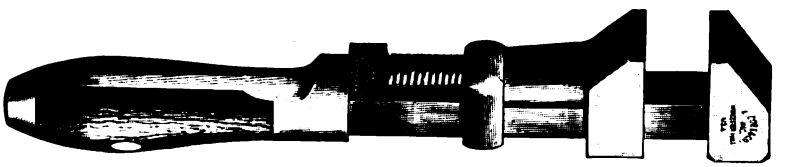
Billings & Spencer Co., Hartford, Conn.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, J. H. & Co. (Drop Forged), 189 Hamilton av., Brooklyn, N. Y.

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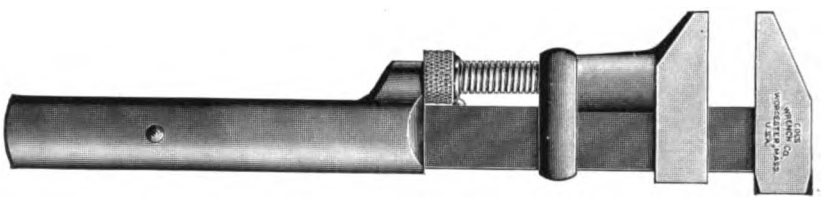
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NOTICE.

This book contains complete lists of the manufacturers and fabricators of every article made from iron and steel. For the particular specialty required, see Index of Contents. If any exception to the truth of this statement is found in consulting the columns of our Commercial Register, kindly advise and we will supply the deficiency.

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NEW YORK, N. Y.

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Wrenches (Brace Socket)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Reece, E. T. Co., Greenfield, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

*Wrenches ("Bull Dog")

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

*Wrenches ("Bull Terrier")

WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Car Builders')

American Brake Shoe & Foundry Co. ("S," "Tropenas," Cast Steel), Mahway, N. J.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Car Dumping)

Ideal Car Wrench & Mfg. Co. ("Phillips' Safety"), Trenton, N. J.

Wrenches (Carriage)

Goodell Co., Antrim, N. H.
Hunt, Helm, Ferris & Co. (Adjustable), Harvard, Ill.
Hurwood Mfg. Co. (Self-Adjusted Nickel Plated), Bridgeport, Conn.
Joy, A. P., Rockingham, N. H.
Logan & Strowbridge Iron Co., New Brighton, Mason, F. C. & Co., St. Johns, Mich. Pa.
Millers Falls Co. (Malleable Iron, Adjustable), 28 Warren, New York; Works, Millers Falls, Mass.
Oliver Mfg. Co., 303 S Desplaines, Chicago, Ill.
Stowell Mfg. & Foundry Co., South Milwaukee, Wis.
Tower & Lyon Co., 95 Chambers, New York
Union Malleable Iron Co., Moline, Ill.
Wells Bros. Co., Greenfield, Mass.

Wrenches (Carriage & Tire Bolt)

Custer Mfg. Co. ("Handy" Tire Bolter), Summitville, Ind.
Tudor Mfg. Co. ("Bay State" Ratchet), Worcester, Mass.

Wrenches (Chain)

Bonner, C. E. Mfg. Co. ("Victor" Reversible), Chrisman, Ill.
Brock Wrench Mfg. Co. (Drop Forged), 18 Dey, New York
Hilts Wrench & Mfg. Co. (Adjustable Pipe), Richford, N. Y.
Kroeschell Bros. Co. ("Ideal"), Chicago, Ill.
Robbins, Gamwell & Co., Pittsfield, Mass.
Rochester Drop Forge Co. ("Robbins," Pattern), Rochester, N. Y.
Standard Nipple Mfg. Co. ("Duplex"), Pittsburg, Pa.
Trimont Mfg. Co. ("Trimo"), Armory av, Roxbury, Boston, Mass.
Williams, J. H. & Co. ("Vulcan," "Agrippa," Pipe Wrenches), 150 Hamilton av., Brooklyn, N. Y.

*Wrenches (Chuck)

MORSE TWIST DRILL & MACHINE Co. (For Chucks), New Bedford, Mass. (See adv. index, end of book)
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)

Wrenches (Combination)

Adjustable Wrench & Specialty Mfg. Co., Harvard, Ill.
Bemis & Call Hardware & Tool Co., Springfield, Mass.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Dudley Tool Co., Menominee, Mich.
Hawkeye Wrench Co., Marshalltown, Ia.
Stortz, Jno. & Son ("S"), 210 Vine, Phila., Pa.
Tower & Lyon Co., 95 Chambers, New York
Uwanta Wrench Co. ("Uwanta"), Meadville, Pa.
Vandegrift Mfg. Co., Shelbyville, Ind.
WHITMAN & BARNES MFG. CO. ("W & B"), Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Crocodile)

(See Wrenches, Alligator)

Wrenches (Dog)

Le Count, Wm. G. (Steel), South Norwalk, Conn.
Trimont Mfg. Co., Roxbury, Boston, Mass.
WHITMAN & BARNES MFG. CO. ("Bull Dog"), Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Drop Forged)

Billings & Spencer Co., Hartford, Conn.
Bonney Vise &Tool Works, Allentown, Pa.
Brock Wrench Mfg. Co., 18 Dey, New York
Brown, R. H. & Co., New Haven, Conn.
Canton Drop Forge & Mfg. Co., Canton, O.
Eccles, Richard Co., Auburn, N. Y.
Hall, Charles E. Co., Buffalo, N. Y.
Harbison & Modica Mfg. Co., Kansas City, Mo.
Hawkeye Wrench Co., Marshalltown, Ia.
Hjorth, Wm. & Co., Jamestown, N. Y.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Keystone Drop Forge Works, Chester, Pa.
Kilborn & Bishop Co. (Pipe), New Haven, Conn.
Le Count, W. G., South Norwalk, Conn.
Marshalltown Drop Forge Co., Marshalltown, Iowa
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Rhode Island Tool Co., Providence, R. I.
Richards Mfg. Co. ("Wizard"), Aurora, Ill.
Smith, H. D. & Co., Plantsville, Conn.
Smith & Hemenway Co., 108 Duane, New York
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenbridge, Pa.
Transue & Williams Co., Alliance, O.
Trimont Mfg. Co. ("Trimo"), Armory av, Roxbury, Boston, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Whitaker Mfg. Co. (Steel), 30 W Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, J. H. & Co., 150 Hamilton av., Brooklyn, N. Y.

Wrenches (Engineers' & Machinists')

American Brake Shoe & Foundry Co. (Engineers' "Tropenas," Cast Steel Single & Double), Mahway, N. J.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Brock Wrench Mfg. Co. ("I. X. L." Nut & Engineers), 18 Dey, New York
Canton Drop Forge & Mfg. Co., Canton, O.
Card, S. W. Mfg. Co., Mansfield, Mass.
Chester Steel Castings Co., 407 Sansom, Philadelphia, Pa.
COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)
Crescent Tool Co. ("Crescent" Drop Forged Adjustable Engines), Jamestown, N. Y.
Dayton Malleable Iron Co. (Made of Malleable Iron, for Railroads & Car Shops, Trade Mark D), Dayton, O.
Dudley Tool Co. ("The Auto"), Menominee, Mich.
Eccles, Richard Co. (Drop Forged), Auburn, N. Y.
Girard Wrench Mfg. Co., Girard, Pa.
Hall, Chas. E. Co., Buffalo, N. Y.
Handlan-Buck Mfg. Co. ("Bucks"), 212 N 3d, St. Louis, Mo.
Harris & Reed Mfg. Co. ("Onward"), 331 W. 15th, Chicago, Ill.
Indianapolis Drop Forging Co., Indianapolis, Ind.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
Jones & Laughlin Steel Co., Pittsburg, Pa.
Keystone Drop Forge Works (Drop Forge), Chester, Pa.
Lamson & Sessions Co. ("Canfield" Case Hardened Screw), 2188 Scranton rd, S. W., Cleveland, O.
Losel Wrench Works, Corry, Pa.
PAGE-STORMS DROP FORGE CO. (Set Screws, Chuck, Milling Machine, Box, Socket, Check Nut, Straight End, Car Construction "S," Structural), Chicopee, Mass. (See adv. index, end of book)
PATTERSON, GOTTFRIED & HUNTER (Ltd.), 211 Centre, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Reed Mfg. Co. ("Tiger," Standard), Erie, Pa.
Rhode Island Tool Co. (Drop Forged Single & Double End), Providence, R. I.
Stewart Wrench & Pipe Co., Schenectady, N. Y.
Tower & Lyon Co., 95 Chambers, New York
Trimont Mfg. Co. ("Trimo"), Armory av, Roxbury, Boston, Mass.
Tudor Mfg. Co. ("Bay State"), Taunton, Mass.
Uwanta Wrench Co. ("Uwanta"), Meadville, Pa.
Walworth Mfg. Co., Boston Mass.
Whitaker Mfg. Co. (Drop Forged Steel), 30 W Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO. (Screw, Knife Handle), Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av., Brooklyn, N. Y.
Wright Wrench Co. ("Wright," Monkey Wrench), Tacoma, Wash. Factory, Canton, O.

Wrenches (Fixture)

Applied Device Co. ("Falcon"), Springfield, Mass.
Yost Electric Mfg. Co. ("Falcon"), Toledo, O.

Wrenches (Flange)

Brock Wrench Mfg. Co. (Drop Forged), 18 Dey, New York
Eaton, Cole & Burnham Co. ("Kellam"), Bridgeport, Conn.
Goubert Mfg. Co. ("Mayer"), Ratchet Reversible), 90 West, New York

Wrenches for Underground Valves

Kennedy Valve Mfg. Co., Elmira, N. Y.

Wrenches (Fruit Jar)

Forbes, Benj. P. ("Triumph"), 409 Superior av., N. W., Cleveland, O.

*Wrenches (Hammer Handle)

COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)

*Wrenches (Key Adjusting)

COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)

*Wrenches (Knife Handle)

COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)

Wrenches (Lag Screw)

Dicke Tool Co., Downers Grove, Ill.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.

*Wrenches (Lock Jaw)

JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)

Wrenches (Locomotive)

American Brake Shoe & Foundry Co., Mahway, N. J.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

*Wrenches (Metal Handle)

COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO. ("Railroad Special"), Chicago, Ill. (See adv. index & branch offices, end of book)

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Wrenches (Nut)

American Brake Shoe & Foundry Co., Mahway, N. J.
Anderson Coupling Co. ("Turn More," Anderson Adjustable), Portland, Conn.
Bemis & Call Hardware & Tool Co. ("S," Adjustable, Steel Handle), Springfield, Mass.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)
Hawkeye Wrench Co. ("Hawkeye"), Marshalltown, Ia.
Hjorth, Wm. & Co. ("Lighting"), Jamestown, N. Y.
Joy, A. P., Rockingham, N. H.
Keystone Mfg. Co. ("Wescott"), Buffalo, N.Y.
Lever Co. ("Toggle-Grip"), 45 Cedar, New York.
Oliver Mfg. Co., 203 S Desplaines, Chicago, Ill.
Oswego Tool Co. (Adjustable), Oswego, N. Y.
PAGE-STORMS DROP FORGE CO. (For Check, Jam or Lock Nuts), Chicopee, Mass. (See adv. index, end of book)
Star Mfg. Co. ("Elgin"), Carpentersville, Ill.
Trimont Mfg. Co. ("Trimo," "Monkey"), Amory av, Roxbury, Boston, Mass.
Tudor Mfg. Co. ("Bay State"), Taunton, Mass.
Uwanta Wrench Co. ("Uwanta," Nut or Monkey Wrench), Meadville, Pa.
Vandegrift Mfg. Co. ("Vandegrift"), Shelbyville, Ind.
Wakefield, J. E. ("Wakefield"), Worcester, Mass.
WELLS BROS. CO. ("Little Giant" Bit, Brace & Ratchet), Greenfield, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO. (Check Nut), Chicago, Ill. (See adv. index & branch offices, end of book)
Wright Wrench Co. ("Wright," Monkey Wrench), Tacoma, Wash. Factory, Canton, O.

Wrenches (Nut, Bit Brace)

Wiley & Russell Mfg. Co. ("Lightning"), Greenfield, Mass.
WELLS BROS. CO. (Also for Ratchets), Greenfield, Mass. (See adv. index, end of book)

*Wrenches (Oil Well Swivel)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
DUFF MFG. CO. ("Barrett's"), N. S. Pittsburg, Pa. (See adv. index & branch offices, end of book)

Wrenches (Pin)

Billings & Spencer Co. (Drop Forged Steel), Hartford, Conn.

Wrenches (Pipe)

AMERICAN TAP & DIE CO., Greenfield, Mass. (See adv. index, end of book)
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Belden Machine Co. ("Hayden," Brass & Nickel), New Haven, Conn.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bonner, C. E. Mfg. Co. ("Victor"), Chrisman, Ill.
Bonney Vise & Tool Works ("Always Ready," "Stillson," "Alligator"), Allentown, Pa.
Brock Wrench Mfg. Co. (The "Brock," "Yankee" & "Standard"), 18 Dey, New York
Brosnihan Wrench Co., Worcester, Mass.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Crane Valve Co., Bridgeport, Conn.
Crescent Forging Co. ("Cresco"), Oakmont, Pa.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Darling Pump Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Embossing Machine Co. ("Ewer"), Detroit, Mich.
Dudley Tool Co. (Pipe & Nut Combined), Menominee, Mich.
Edmonds-Metzel Mfg. Co. ("Universal Grip"), 1090 Wilcox av, Chicago, Ill.
Ellis-Ford Mfg. Co. (Combination Pipe & Monkey Wrench), 18 Piquette, Detroit, Mich.
Enterprise Windmill Co. ("Enterprise"), Sandwich, Ill.
Greene-Tweed & Co. ("Champion"), 109 Duane, New York
Hammond Mfg. Co. ("Hammond" Quick Acting), 28 Atlantic av, Boston, Mass.
Handlan-Buck Mfg. Co. ("Cochran"), 212 N 3d, St. Louis, Mo.
Hawkeye Wrench Co. ("Hawkeye"), Marshalltown, Ia.
Hilts Wrench & Mfg. Co. ("Hilts," "Eclipse" & Adjustable Chain), Richford, N. Y.
Hjorth, Wm. & Co. ("Empire"), Jamestown, N. Y.
Hollands Mfg. Co. ("Eagle"), Erie, Pa.
Illinois Malleable Iron Co., 515 Diversey boul., Chicago, Ill.
Indianapolis Drop Forging Co. ("Tiger"), Indianapolis, Ind.
Ithaca Drop Forge Co. (Drop Forged), Ithaca, N. Y.
Jarecki Mfg. Co., Erie, Pa., & Pittsburg, Pa.
Keystone Mfg. Co. (The "Westcott" Adjustable), 41 Chandler, Buffalo, N. Y.
Kilborn & Bishop Co. (Drop Forged), New Haven, Conn.
Kraeuter & Co. ("Victor" Alligator), Newark, N. J.
Kroeschell Bros. Co. ("Ideal"), Chicago, Ill.
Lind Universal Tool Co. ("Lind Universal"), Providence, R. I.
Los Angeles Ice Machine Wks. ("Stone" Pipe & Automatic Wrench), Los Angeles, Cal.
McMANN & TAYLOR, 104 John, New York. (See adv. index, end of book)
Moore Drop Forging Co. ("Stillson" Drop Forged Wood or Steel Handle), Springfield, Mass.
Nason Mfg. Co. ("Ideal" Chain), 71 Fulton, New York
OIL WELL SUPPLY CO. ("Franklin"), 215 Water, Pittsburg, Pa. (See adv. index, end of book)
Oswego Tool Co. ("Giles," "Improved Stillson" Drop Forged), Oswego, N. Y.
PAGE-STORMS DROP FORGE CO. ("Irland" Drop Forged), Chicopee, Mass. (See adv. index, end of book)
PATTERSON, GOTTFRIED & HUNter (Ltd.), 211 Centre, New York
Pfeifer, F. ("Johnston"), 101 Reade, New York
Parmelee Wrench Co. ("Parmelee's" Griddle), 1058 W Monroe, Chicago, Ill.
Reed Mfg. Co., Erie, Pa.
Ripley Pipe Wrench Co. ("Leader"), Ripley, N. Y.
Robins, Gamwell & Co., Pittsfield, Mass.
Saunders', D. Sons, Yonkers, N. Y.
Schwendner, Max, Reading, Pa.
Star Mfg. Co. ("Elgin" Pipe Jaw), Carpentersville, Ill.
Thurston Mfg. Co. ("Thurston," Drop Forged Straight Line), Worcester, Mass.
Tower & Lyon Co. ("Involute"), 95 Chambers), New York
Transue & Williams Co. (Drop Forged), Alliance, O.
Trimont Mfg. Co. ("Trimo"), Amory av, Roxbury, Boston, Mass.
Union Tool Co. ("Jackson" Instantaneous), 147 Milk, Boston, Mass.
U. S. Wrench Co. ("Improved Stillson"), 299 B'way, New York
Uwanta Wrench Co. ("Uwanta" Pipe & Nut Combined), Meadville, Pa.
Vandegrift Mfg. Co. ("Vandegrift"), Shelbyville, Ia.
Vaughn & Bushnell Mfg. Co. ("V. & B." Drop Forged Steel), 875 W Carroll ave, Chicago, Ill.
Wakefield, Jno. E. ("Wakefield"), Worcester, Mass.
Walworth Mfg. Co. ("Stillson," "Allston's," "Hall"), 132 Federal, Boston, Mass.
Warnock Mfg. Co. ("Warnock" Smooth & Nickel Pipe), Worcester, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)
Wells, F. E. & Son Co. ("Wells"), Greenfield, Mass.
WHITMAN & BARNES MFG. CO. ("W. & B."), Chicago, Ill. (See adv. index & branch offices, end of book)
Wilcox Mfg. Co. ("The Yankee Jaw"), Aurora, Ill.
Williams, J. H. Co. ("Brock," "Vulcan." "Agrippa." Drop Forged), 150 Hamilton av., Brooklyn, N. Y.
Zwicker, Fredk ("The Z" Instantaneous Adjustable), 463 Harmon, Indianapolis, Ind

Wrenches (Pipe & Pipe Cutter Combined)

Bonney Vise & Tool Works ("Masterpieces"), Allentown, Pa.

Wrenches (Ratchet)

Andreon & Co. ("Andreon-Morse"), Century bldg. St. Louis, Mo.
Bullard Automatic Wrench Co. (Inc.) ("Bullard"), Providence, R. I.
Green-Tweed & Co. ("Favorite," Reversible), 109 Duane, New York.
IRVING MFG. CO. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
Kemp, C. M. Mfg. Co., 401 E Oliver, Baltimore, Md.
Keystone Mfg. Co. ("Keystone") Reversible), Buffalo, N. Y.
Lord, L. L. Co. ("Lord," with Handle), Meadville, Pa.
Lovejoy Tool Works, 90 Ohio, Chicago, Ill.
Lowell Wrench Co., Worcester, Mass.
Moore Drop Forging Co., Springfield, Mass.
Richards Mfg. Co. ("Wizard"), Aurora, Ill.
Simplex Mfg. Co. ("Turn-More"), 90 West, New York.
Tudor Mfg. Co. ("Bay State"), Taunton, Mass.
Walden Mfg. Co., Worcester, Mass.
WELLS BROS. CO. ("Little Giant"), Greenfield, Mass. (See adv. index, end of book)

Wrenches ("S")

American Brake Shoe & Foundry Co., Mahway, N. J.
Bemis & Call Hardware & Tool Co. (Adjustable), 983 Main, Springfield, Mass.
Buckeye Mfg. Co., Canton, O.
Billings & Spencer Co. (Drop Forged, Adjustable, Hexagon, etc.), Hartford, Conn.
Canton Drop Forge & Mfg. Co., Canton, O.
Green-Tweed & Co. ("Baxter" Adjustable) 109 Duane, New York
Hall, Chas. E. Co., Buffalo, N. Y.
Handy Tool Co., Bellevue, O.
Keystone Mfg. Co. ("Wescott" Adjustable), Buffalo, N. Y.
Oswego Tool Co. (Adjustable Nut & Pipe), Oswego, N. Y.
PAGE-STORMS DROP FORGE CO. (All Kinds), Chicopee, Mass. (See adv. index, end of book)
Stearns, E. C. & Co. ("Baxter"), Syracuse, N. Y.
WHITMAN & BARNES MFG. CO., Chicago, Ill. (See adv. index & branch offices, end of book)

Wrenches (Screw)

Adjustable Wrench & Specialty Mfg. Co., Harvard, Ill.
Athol Machine Co. ("Rapid Transit"), Athol, Mass.
Beckley-Ralston C., 80 Michigan av, Chicago, Ill.
Bemis & Call Hardware & Tool Co. ("Briggs" & "Merrick" Pattern), Springfield, Mass.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
COES WRENCH CO. ("Coes"), Worcester, Mass. (See adv. index, end of book)
Collins Co., Collinsville, Conn.
Hilt's Wrench Mfg. Co. ("Hilts'" Adjustable Drop Forged), Richford, N. Y.
Hjorth, Wm. & Co., Jamestown, N. Y.
Indianapolis Drop Forging Co. (Agricultural), Indianapolis, Ind.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
Keystone Drop Forge Works (Steel Set Screw), Chester, Pa.
Lamson & Sessions Co. ("Lamson"), Cleveland, Ohio
Mason, F. C. & Co. ("Mason"). St. Johns, Mich.
Mossberg, Frank Co. ("Mossberg"), Attleboro, Mass.
Mossberg Wrench Co., Central Falls, R. I.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Peck, Stow & Wilcox Co. ("P. S. & W."), Southington, Conn.
Smith, H. D. & Co. ("Perfect Handle." Drop Forged), Plantsville, Conn.
Transue & Williams Co. (Drop Forged), Alliance, O.
Uwanta Wrench Co. ("Uwanta"), Meadville, Pa.
Vandegrift Mfg. Co. ("Vandegrift"), Shelbyville, Ind
Whitaker Mfg. Co. (Agl. & Machinists, etc.), 80 W Monroe, Chicago, Ill.
WHITMAN & BARNES MFG. CO. Chicago, Ill. (See adv. index & branch offices, end of book)

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Wrenches (Socket)

Harris, Samuel & Co., 23 S Clinton, Chicago, Ill.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Keystone Mfg. Co. ("Keystone," "Giant," With Reversible Ratchet), Buffalo, N. Y.
Louden Machinery Co., Fairfield, Pa.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Rex Wrench Co. ("Rex" T-Socket, for Automobiles & Motor Boats), 184 Summer, Boston, Mass.
Williams, J. H. & Co., 150 Hamilton av., Brooklyn, N. Y.
Winters Bros. Co., Wrentham, Mass.
WORCESTER PRESSED STEEL CO. Worcester, Mass. (See adv. index, end of book)

Wrenches (Spanner)

AMERICAN WELL WORKS, Aurora, Ill. (See adv. index & branch offices, end of book)
Billings & Spencer Co. (Drop Forged Adjustable), Hartford, Conn.
Brock Wrench Mfg. Co. ("Brock's" Drop Forged), 18 Dey, New York
Granger Drop Forge Works, 689 Carroll, Chicago, Ill.
Keystone Drop Forge Works (Drop Forged), Chester, Pa.
LUNKENHEIMER CO. (Adjustable), General Offices & Works, Beekman & Waverly, Cincinnati, O. (See adv. index & branch offices, end of book)
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
Rhode Island Tool Co. (Drop Forged), Providence, R. I.
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av., Brooklyn, N. Y.

Wrenches (Splicing)

Dicke Tool Co., Downers Grove, Ill.
Klein, Mathias & Son, 87 W Van Buren, Chicago, Ill.

Wrenches (Sprocket)

Ayes & Co. ("Champion" Hub), 57 Ellen, Chicago, Ill.

Wrenches (Staybolt)

Thompson, C. A. ("Acme" Flexible), 516 N 3d, St. Louis, Mo.

*Wrenches (Steel)

COES WRENCH CO., Worcester, Mass. (See adv. index, end of book)

Wrenches ("T")

Nordyke & Marmon Co., Indianapolis, Ind.
Reece, E. F. Co., ("Reece Premier"), Greenfield, Mass.

Wrenches (Tap & Reamer)

AMERICAN TAP & DIE CO. ("Am. T. & D. Co."), Greenfield, Mass. (See adv. index, end of book)
ARMSTRONG MFG. CO., Bridgeport, Conn. (See adv. index & branch offices, end of book)
Bay State Tap & Die Co., Mansfield, Mass.
Bergman Hardware & Tool Mfg. Co. (Tap), Buffalo, N. Y.
Besly, Chas. H. Co. ("Besly" Tap), 15 S Clinton, Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
Braunsdorf-Mueller Co. (Tap), Elizabeth, N. J.
Brubaker, W. L. & Bros. (Adjustable), Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card, S. W. Mfg. Co. ("Horsfield"), Mansfield, Mass.
Carpenter, J. M. Tap & Die Co. ("Nichols"), Pawtucket, R. I.
Hart Mfg. Co. ("Duplex" Adjustable Tap), Cleveland, O.
Holroyd & Co. ("Holroyd" Adjustable Tap), Waterford, N. Y.
Keystone Mfg. Co. ("Keystone" or Ratchet Stud Driver), Buffalo, N. Y.
Massachusetts Tool Co., Greenfield, Mass.
MORSE TWIST DRILL & MACHINE Co. (For Adjustable Reamers & Taps), New Bedford, Mass. (See adv. index, end of book)
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk, A. J. & Son (Adjustable), Millersburg, Pa.
Reece, E. F. Co. ("Hercules"), Greenfield, Mass.
Sawyer Tool Mfg. Co. (Tap), Fitchburg, Mass.
SMART, A. J. MFG. CO. ("Bascom" Adjustable Tap), Greenfield, Mass. (See adv. index, end of book)
Standard Tool Co., Central av & R. Ry., Cleveland, O
STARRETT, L. S. CO. (Tap Wrenches), Athol, Mass. (See adv. index & branch offices, end of book)
Walworth Mfg. Co., Boston, Mass.
WELLS BROS. CO. ("Little Giant," Adjustable), Greenfield, Mass. (See adv. index, end of book)
Wiley & Russell Mfg. Co. ("Green River," "Lightning," Adjustable), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

Wrenches (Thresher Cylinder)

Excelsior Thresher Tooth Co. ("Excelsior"), Dexter, Iowa
Fosston Mfg. Co. ("Fosston"), 473 N Cleveland, St. Paul, Minn.
Johnson Bros. ("Tiger"), Freeport, Ill.
Parsons Band Cutter & Self Feeder Co. ("Success"), Newton, Ia.
Russell & Co. ("Russell"), Massillon, O.

Wrenches (Tool Post)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Booth Drop Forge Co. (Double Head), 114 Nassau, New York.
Indianapolis Drop Forging Co., Indianapolis, Ind.
PAGE-STORMS DROP FORGE CO., Chicopee, Mass. (See adv. index, end of book)
WHITMAN & BARNES MFG. CO. (Drop Forged), Chicago, Ill. (See adv. index & branch offices, end of book)
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av., Brooklyn, N. Y.

Wrenches (Track)

Abner-Doble Co., San Francisco, Cal.
American Brake Shoe & Foundry Co. (Cast Steel), Mahway, N. J.
Athol Tool Co., ft Chapel, Newark, N. J.
Beall Bros. (Inc.), Single & Double End), Alton, Ill.
Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Chester Steel Castings Co., 407 Sansom, Phila., Pa. & Chester, Pa.
Evansville Tools Works, Evansville, Ind.
Goubert Mfg. Co. ("Meyer's" Reversible Ratchet), 90 West, New York
Harvey, H. H., 608 Atlantic av, Boston, Mass.
Hubbard & Co., Pittsburg, Pa.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Iron City Tool Works (Ltd.), Pittsburg, Pa.
IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.), 157 Chambers, New York. (See adv. index, end of book)
JEFFREY MFG. CO., Columbus, O. (See adv. index & branch offices, end of book)
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Keystone Drop Forge Works, Chester, Pa.
Klein-Logan Co., Pittsburg, Pa.
Lovejoy Tool Works, 86 E. Ohio, Chicago, Ill.
Pittsburg Tool & Drop Forge Co. ("Cheswick"), Works, Cheswick, Pa.
Plumb, Fayette R., Frankford, Phila., Pa.
Solid Steel Tool & Forge Co. ("S. T. S."), Brackenridge, Pa.
Union Drop Forge Co., 69 Indiana, Chicago, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Drop Forged), 875 W Carroll ave., Chicago, Ill.
Verona Tool Works (Straight & T.), Verona, Pa., & Pittsburg, Pa.
Warwood Tool Co., Wheeling, W. Va.
Williams, J. H. & Co. (Drop Forged), 150 Hamilton av., Brooklyn, N. Y.

Wrenches (Wagon Skein)

Sandage Steel Skein Co., South Bend, Ind.

Wringers (Clothes)

Acme Washing Machine Co. ("Acme" & "National"), Columbus, O.
American Wringer Co., 99 Chambers, New York, & Woonsocket, R. I.
Atlas Laundry Machinery Co., Cincinnati, O.
Columbia Mfg. Co., Columbia, Pa.
Levell, Mfg. Co., Erie, Pa.
Nineteen Hundred Washer Co., Binghamton, N. Y.
North Bros. Mfg. Co., Philadelphia, Pa.

Wringers (Mop)

Acme Washing Machine Co. ("Acme" Combination), Columbus, O.
Ayes & Co. ("Champion"), 57 Ellen, Chicago, Ill.
Beech Novelty Co. ("Beech" Mop Wringer & Pail Combined), Mansfield, O.
Bennington Mopwringer Co. ("Molly Stark"), Bennington, Vt.
Brockton Mop Wringer Co. ("Brockton"), Brockton, Mass.
Dana Mfg. Co. ("Dana"), Cincinnati, O.
Eagle Cooperage Works ("Eagle" Wringer & Bucket Combined), Circleville, O.
Ellis-Porritt Co. ("Beckwith"), 118 N. 4th, Minneapolis, Minn.
Goddard Mop Press Co., Akron, O.
Lee Chair Co. ("Reliance"), Oneida, N. Y.
Putnam, T. J. ("Putnam"), Keesville, N. Y.
Sanitary Stamped Wares & Specialties Co. ("One Twist"), 293 134th, New York.
Spaulding Mfg. Co. ("Our Leader"), Clinton, Me.
Tucker & Dorsey Mfg. Co. (Mop & Bucket Combined), State av & Bates, Indianapolis, Ind.
White Mop Wringer Co. ("White"), Fultonville, N. Y.

Wrought Iron Pipe

(See Pipe & Tube Mills; also Steam Fitters' Supplies; also Pipe, Wrought Iron, Jobbers)

X-Ray Apparatus

Anderson, Norden & Co. ("Nelson"), 18 W Randolph, Chicago, Ill.
Biddle, Jas. G., 1114 Chestnut, Philadelphia, Pa.
Dodd & Struthers, Des Moines, Ia.
Edison Lamp Dep't, Harrison, N. J.
Electric Radiation Co. ("Cyclone"), Boston, Mass.
Engeln & Co., Cleveland, O.
Harvard Electric Co., 60 W Van Buren, Chicago, Ill.
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QUEEN & CO., (Inc.), n. w. c. 8th & Arch, Phila., Pa. (See adv. index, end of book)
Ritchie, E. S. & Sons, Brookline, Mass.
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Wagner, R. V. Co., 140 Wabash av, Chicago Ill.

X-Ray Fluoroscopes

(See also X-Ray Apparatus)

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Yacht Sails

(See Sails, Yacht)

*Yacht Supplies

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Bemis & Call Hardware & Tool Co. (Steel), Springfield, Mass.
Chapin-Stephens Co. (Also School & Desk Rulers, etc.), Pine Meadow, Conn.
Silver Spring Mfg. Co., Silver Springs, N. Y.
Stanley Rule & Level Co., New Britain, Conn.
Westcott-Jewell Co., Seneca Falls, N. Y.

Yarn (Lath)

American Mfg. Co., 63 Wall, New York
CARPENTER, GEO. B. & CO., 202 S Water, Chicago, Ill. (See adv. index, end of book)
COLUMBIAN ROPE CO. (Tarred Sisal), Auburn, N. Y. (See adv. index, end of book)
Hooven & Allison Co. (Tarred), Xenia, Ohio.
Kelly, E. A. Co., Xenia, Ohio.
New York Cordage Co., 83 Wall, New York

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Overman & Schrader Cor'ge Co., Covington Ky.
Plymouth Cordage Co., North Plymouth, Mass.
TUCKER & CARTER ROPE CO. (Tarred Sisal), 76 South & 1167 Maiden la., New York. (See adv. index, end of book)

Yarns (Mop)

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New York Cordage Co., 83 Wall, New York
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Schlichter Jute Cordage Co., 20 N. Front, Phila., Pa.
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Waterbury Co., 69 South, New York

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Grasselli Chemical Co., Cleveland, O., & 62 Wall, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Penna. Salt Mfg. Co., Phila., Pa.
Roessler & Hasslacher Chemical Co., 100 William, New York
Schell, Wm. H., 159 Maiden la., New York

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Chanute Zinc Co., Chanute, Kan.
Clarksburg Zink Co., Clarksburg, Pa.
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Matthiessen & Hegeler Zinc Co. (Sheet, etc.), La Salle, Ill.
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New Jersey Zink Co., 55 Wall, New York.
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NOTICE.

This book contains complete lists of the manufacturers and fabricators of every article made from iron and steel. For the particular specialty required, see Index of Contents. If any exception to the truth of this statement is found in consulting the columns of our Commercial Register, kindly advise and we will supply the deficiency.

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BADGER FIRE EXTINGUISHER CO..... 428
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2300 York, Phila., Pa.
DARBY, EDW. & SONS CO.....551 & 592
239 Arch, Phila., Pa.
DAVENPORT LOCOMOTIVE WORKS..... 598
Davenport, Ia., & 50 Church, New York.
DAVIS, RODNEY..... 465
626 Race, Phila., Pa.
DECORATORS' SUPPLY CO..... 300
Archer av & Leo, Chicago, Ill.; 123 Fourth av, New York; 831 Perdido, New Orleans, La. Agents: Western Builders' Supply Co., 680 Mission, San Francisco, Cal.; Johnson & Jackson, Minneapolis, Minn.; B. S. Lewis, Wainwright bldg, St. Louis, Mo.
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90 West, New York. Branch Offices: 2629 Piedav, Berkeley, Cal.; 46 Cornhill, Boston, Mass.; 179 Lake, Chicago, Ill.; 446 St. Paul, Minn.; Montreal, Canada, & 811 Chemical bldg, St. Louis, Mo.
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Jersey City, N. J. Branch offices: 68 Reade, New York; 1020 Arch, Phila., Pa.; San Francisco, Cal.; Monadnock blk, Chicago, Ill.; Farmers Bank bldg, Pittsburg, Pa.; 101 Tremont, Boston, Mass.; Victoria bldg, St. Louis, Mo., & 26 Victoria, London, S. W., England.
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DURAND STEEL LOCKER CO..... 592
128 Monroe, Chicago, Ill., & 132 Nassau, New York.

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EDWARDS MFG. CO..... 202
545-565 Eggleston av, Cincinnati, O.
ELECTRIC CONTROLLER & MFG. CO.....261 & 747
Cleveland, O. Branch Offices: 515 Frick bldg, Pittsburg, Pa.; 50 Church, New York; Room 409 Merchants' Loan & Trust bldg, Chicago, Ill., & 509 Woodward bldg, Birmingham, Ala.
ELECTRIC WHEEL CO.....1146 & 1188
Quincy, Ill.
ELEVATOR SUPPLY & REPAIR CO..329, 354, 357, 416, 771 & 1123
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EXPORTADOR AMERICANO ... 620 & 621
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Wabash av & Eldredge pl., Chicago, Ill. Branch Offices: 307 Walnut, Cincinnati, O.; 99 Water, Cleveland, O.; 89 Jefferson, Detroit, Mich.; 519 Main, Louisville, Ky.; 140 S Meridian, Indianapolis, Ind.; 8th & Clark av, St. Louis, Mo.; 1217 Union av, Kansas City, Mo.; 234 E 3d, St. Paul, Minn.; 220 Nicollet av, Minneapolis, Minn.; 1102 Farnam, Omaha, Neb.; 1600 17th, Denver, Colo.; 136 Los Angeles, Los Angeles, Cal.; San Francisco, Cal.; First & Stark, Portland, Ore.; 218 South West Temple, Salt Lake City, Utah; 133 Liberty, New York; Spokane, Wash., & 126 Southwark, S. E., London, England.

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45 B'way, New York.

FAWCUS MACHINE CO ... 464
2820 Smallman, Pittsburg, Pa.

FISCHER, CHAS. SPRING CO ... 1042
88-90 Walker, New York.

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25 Arch, Boston, Mass. Branch Office: Flat Iron bldg, New York.

FLEMING & CO ... 1044
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FLORY, S. MFG. CO ... See Front Adv. Pages
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FLOUR CITY ORNAMENTAL IRON WORKS ... 545
27th st & 28th av, Minneapolis, Minn.

FOOTE BROS. GEAR & MACHINE CO ... 466
44-50 N Carpenter, Chicago, Ill.

FOREST CITY STEEL & IRON CO ... 1060
110th, near Detroit av, Cleveland, O.

FORT PITT SPRING & MFG. CO ... 1040
Farmers' Bank bldg, Pittsburg, Pa. Works: McKees Rocks, Pa. Selling Agents: Steel & Railway Supply Co., 84 State, Boston, Mass.; W. R. Jacques & Co., 1123 B'way, New York; Sloan-Howell & Co., Phila., Pa.; Universal Railway Supply Co., Union Trust bldg, Baltimore, Md.; John J. Reilly & Co., Columbus Savings & Trust bldg, Columbus O.; Railway Specialty & Supply Co., 1304 Great Northern bldg, Chicago, Ill.; B. C. Watts & Co., 333 Cooper bldg, Denver, Col.; T. F. McCormick, Pioneer Press bld, St. Paul, Minn.; Berger-Carter Co., 18th & Mississippi, San Francisco, Cal.; Railway Supply & Equipment Co., 835 Equitable bld, Atlanta, Ga., & Wm. R. Jacques, Long bldg, Kansas City, Mo.

FOSTER ENGINEERING CO ... 918
110 Monroe, Newark, N. J.

FRANKLIN MFG. CO ... 675
New Haven, Conn.

FRASSE, PETER A. & CO ... 1150
130 Worth, New York. Branch Offices & Warehouses, 142 Worth, New York; 50 Exchange pl, Buffalo, N. Y., & 408 Commerce, Phila., Pa.

FRENCH, SAMUEL H. & CO ... 821
4th & Callowhill, Phila., Pa.

FREVERT MACHINERY CO ... 284 & 580
18 Dey, New York.

FRIEDLEY-VOSHARDT CO ... 208
194 Mather, Chicago, Ill.

FRINK, I. P ... 910
551 Pearl, New York.

G

G. & W. MFG. CO ... 1148
26 Cortlandt, New York.

GANSCHOW, WM. CO ... 466
270 Washington boul, Chicago, Ill.

GARDNER GOVERNOR CO ... 238 & 891
Quincy, Ill.

GAS POWER CO ... 455
2 Rector, New York.

GENERAL ELECTRIC CO ... 328, 469, 574, 656 & 1152
Schenectady, N. Y. Branch Offices: 30 Church, New York; 84 State, Boston, Mass.; Sedgwick, Andrews & Kennedy bldg, Syracuse, N. Y.; Ellicott sq bldg, Buffalo, N. Y.; Malley bldg, New Haven, Conn.; Witherspoon bldg, Phila., Pa.; Continental Trust bldg, Baltimore, Md.; Trust bldg, Charlotte, N. C.; Park bldg, Pittsburg, Pa.; Empire bldg, Atlanta, Ga.; Hennen bldg, New Orleans, La.; Perin bldg, Cincinnatti, O.; Columbus Savings & Trust bldg, Columbus, O.; Citizens bldg, Cleveland, O.; Stahlman bldg, Nashville, Tenn.; Monadnock blk, Chicago, Ill.; Majestic bldg, Detroit, Mich. (Office of Soliciting Agent); Wainwright bldg, St. Louis, Mo.; 323 Dwight, Kansas City, Mo.; Culbertson bldg, Oklahoma City, Okla. (Office of Soliciting Agent); Scollard bldg, Dallas, Tex. (Office of Soliciting Agent); Power blk, Helena, Mont.; Providence bldg, Duluth, Minn.; Phoenix bldg, Minneapolis, Minn.; Kittredge bldg, Denver, Col.; Dooly bldg, Salt Lake City, Utah; Union Trust bldg, San Francisco, Cal.; Delta bldg, Los Angeles, Cal.; Worcester bldg, Portland, Ore., & Colman bldg, Seattle, Wash. Foreign Offices: Mexican General Electric Co., San Juan de Letran, No. 3 Apartado 403 City of Mexico, Mexico; South African General Electric Co., P. O. Box 1995; Johannesburg, Transvaal, South Africa; South American General Electric Supply Co., Calle Cuyo 531, Buenos Ayres, Argentine Republic, South America; General Electric Co. (of New York), 83 Cannon, London, E. C., England; Australian General Electric Co., Equitable bldg, Melbourne, Australia; Australian General Electric Co., 217 Clarence, Sidney, Australia, & General Electric Co. (Of New York), P. O. Box 271, Calcutta, India.

GENERAL FIREPROOFING CO ... 49, 431, 576 & 804
Youngstown, O. Branch Offices: 10 E 33d, New York; 161 Devonshire, Boston, Mass.; 1431 Arch, Phila., Pa.; 725 14th, N. W., Washington, D. C.; 115 Adams, Chicago, Ill., & Fulton bldg, Pittsburg, Pa.

GILMAN SNOW GUARD CO ... 930
103 Merrimac, Boston, Mass.

GLEN WAGON CO ... 1176
Seneca Falls, N. Y.

GLOBE VENTILATOR CO ... 1171
Troy, New York.

GORHAM CO. ARCHITECTURAL BRONZE ... 114 & 115
5th av & 36th, New York. Works: Providence, R. I.

GORTON & LIDGERWOOD CO ... 515 & 1165
96 Liberty, New York; Fisher bldg, Chicago, Ill.

GOULDS MFG. CO ... 800
Seneca Falls, N. Y. Branches: 16 Murray, New York; Tremont bldg, Boston, Mass., Chemical bldg, St. Louis, Mo.; 420 1st av, Pittsburg, Pa., & Ohio & Franklin, Chicago, Ill.

GRAVER, WM. TANK WORKS ... 1096
East Chicago, Ind.

GRISCOM-SPENCER CO ... 398, 414, 426, 513, 806 & 1082
90 West, New York; ft. Washington av, Phila., Pa., & Grand & Sussex, Jersey City, N. J.

GROSCHE, BRUNO & CO ... 1205
13 Jones la., New York.

GUILFORD & WALTERSVILLE GRANITE CO ... 481
3 E Lexington, Baltimore, Md.; Guilford, Md., & Woodstock, Md.

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HALL'S SAFE CO., THE ... 48
Main Office & Factory, 3253 Spring Grove av, Cincinnati, O.

HALSTED, JOSEPH CO ... 548
388 W Randolph, Chicago, Ill.

HAMMACHER, SCHLEMMER & CO ... 1006 & 1134
4th av & 13th, New York

HANKE IRON & WIRE WORKS ... 546
1243 Fillmore, Chicago, Ill.

HARDTMUTH, L. & O ... 70 & 71
34 E 23d, New York.

HARRISON SUPPLY CO ... 1021
5 & 7 Dorchester av Extension, Boston, Mass.

HART MFG. CO ... 1096
Hartford, Conn. Branch Offices: New York; Boston, Mass.; Chicago, Ill.; Denver, Colo.; San Francisco, Cal.; Toronto, Canada, & London, England.

HART & COOLEY CO ... 502 & 912
New Britain, Conn., & 15 Lake, Chicago, Ill.

HAYWARD CO., THE ... 118
50 Church, New York.

HEARTLEY MACHINE, VARIETY IRON & TOOL WORKS ... 498 & 667
Toledo, O.

HELWIG MFG. CO ... 808
St. Paul, Minn.

HEWITT, C. B. & BROS ... 76 & 838
49 Beekman, New York

HILGARTNER MARBLE CO ... 735
Stockholm & Sharp, Baltimore, Md.

HILL & GRIFFITH CO ... 444
Cincinnati, O.

HOWARD, E. CLOCK CO ... 225 & 1127
373 Washington, Boston, Mass.; 108 State, Chicago, Ill., & 67 Maiden la, New York.

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INDUSTRIAL INSTRUMENT CO. 463
Foxboro, Mass. Branch Offices: 50 Church, New York, & 725 Monadnock blk, Chicago, Ill.

INGERSOLL-RAND CO. 236
11 B'way, New York. Domestic Offices: Ingersoll-Rand Co., 73 Oliver, Boston, Mass.; Ingersoll-Rand Co., Williamson bldg, Cleveland, O.; Ingersoll-Rand Co., Houghton, Mich.; Ingersoll-Rand Co., Farmers Bank bldg, Pttsburg, Pa.; Ingersoll-Rand Co. of Texas, 121 San Francisco, El Paso, Tex.; Ingersoll-Rand Co., 413 Arcade bldg, Phila., Pa.; Ingersoll-Rand Co., 84 Van Buren, Chicago, Ill.; Ingersoll-Rand Drill Co., Fullerton bldg, St. Louis, Mo.; Ingersoll-Rand Co., Butte, Mont. Agencies: Harron, Rickard & McCone, 461 Market, San Francisco, Cal.; Harron, Rickard & McCone, 164 N Los Angeles, Los Angeles, Cal.; G. H. Sampson Co., 13 Pearl, Boston, Mass.; Utah Mining Machinery & Supply Co., South West Temple, Salt Lake City, Utah; J. A. Yates, Brown-Marx bldg, Birmingham, Ala.; The Stearns-Roger Mfg. Co., Denver, Colo.; The Caldwell Bros. Co., 1014 1st av S, Seattle, Wash.; Davis, Urwick & Co., Louisville, Ky.; McNeil Machinery Co., Joplin, Mo.; English Iron Works, Kansas City, Mo.; Robinson & Cary, St. Paul, Minn.; Honolulu Iron Works, Honolulu, Hawaii. Foreign Offices: Ingersoll-Rand Co., 114 Queen Victoria, London, E. C., England.; Ingersoll-Rand Co., Dusseldorf, Germany; Ingersoll-Rand Co., Budapest, Hungary; Ingersoll-Rand Co., 38 Rue Reamur (3E), Paris, France; Ingersoll-Rand Co., Johannesburg, South Africa; Ingersoll-Rand Co., P. O. Box 152, Kalgoorlie, West Australia; Ingersoll-Rand Co., Melbourne, Australia; Victor M. Braschi & Co. (Ingersoll-Rand Dep't), Apartado, Cadena No. 2, Mexico, D. F.; Canadian Rand Co. (Ltd.), Sovereign Bank bldg, Montreal, Quebec; Cadadian Rand Co. (Ltd.), Toronto, Ont.; Cadadian Rand Co. (Ltd.), Vancouver, British Columbia; Canadian Rand Co. (Ltd.), Kenora, Ont.; Canadian Rand Co. (Ltd.), Rossland, British Columbia; Canadian Rand Co. (Ltd.), Halifax, Nova Scotia; W. R. Grace & Co., Valparaiso & Iquique, Chili, S. A.; W. R. Grace & Co., Lima, Peru, S. A.; W. R. Grace & Co., La Paz & Oruro, Bolivia, S. A.; Ramsay, Bellamy & Co., Buenos Ayres; American Trading Co., Yokohama & Kobe, Japan; Wallace & Co., 18 Kinkiag rd, Shanghai, China. Shops: Ingersoll-Rand Co., Phillipsburg, N. J.; Ingersoll-Rand Co., Easton, Pa.; Ingersoll-Rand Co., North Tarrytown, N. Y.; Ingersoll-Rand Co., Painted Post, N. Y., & Ingersoll-Rand Co., Athens, Pa.

INTERIOR HARDWOOD CO. 487
Indianapolis, Ind.

IRVING MFG. & TOOL CO. (J. F. McCoy Co., Prop.). . 464
157 Chambers, New York

J

JACKSON, WM. H. COMPANY. ..... 116 & 550
29 E 17th (Union sq.), New York. Branch Office: 163 Michigan av, Chicago, Ill.

JAMES, D. O. MFG. CO. 464
351 W Monroe, Chicago, Ill.

JEFFREY MFG. CO. 264
Columbus, O. Branch Offices: 77 Warren, New York; Equitable bldg, Denver, Colo.; Chicago, Ill.; Pittsburg, Pa.; Knoxville, Tenn.; Charleston, W. Va.; Boston, Mass., & Montreal, Canada.

JOHNSON, R. R. 1195
163 Randolph, Chicago, Ill.

JONES, THOMAS W. ..... 587 & 1184
22 Burling sl., New York.

JONES TREVOR F. & CO. ..... 773 & 1026
374 W B'way, New York.

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KEELER, E. CO. 82
Williamsport, Pa. Branch Offices: 29 B'way, New York; Real Estate Trust bldg, Phila., Pa.; 416 Fisher bldg, Chicago, Ill., & 20 Central Boston, Mass.

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KERITE INSULATED WIRE & CABLE CO. 1199
30 Church, New York.

KEWANEE BOILER CO. ..... 79 & 1098
Kewanee, Ill., & 35 Michigan av, Chicago, Ill.

KEWANEE WATER SUPPLY CO. ..... 1090, 1096, 1097, 1098 & 1184
Kewanee, Ill.

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KILGORE-PETELER CO. 177
Mineapolis, Minn.

KINNEAR MFG. CO. 1022
Columbus, O. Branch Offices: 85 Water, Boston, Mass.; 1011 Chestnut, Phila., Pa.; 1212 Corn Exchange Bank bldg, Chicago, Ill., & 603 English American bldg, Atlanta, Ga.

KINNEAR & GAGER MFG. CO. 312
Columbus, O. Branch Office & Warehouse: 125 Broad, Boston, Mass.

KNISELEY, HARRY C. CO. 1194
273 S Canal, Chicago, Ill

KNOWLTON, M. D. CO. 650
Rochester, N. Y.; 203 Wooster, New York; 80 Jackson boul, Chicago, Ill., & 23 Goswell rd, London, England.

KOEHRING MACHINE CO. 241
Milwaukee, Wis.

KOLESCH & CO. 365
138 Fulton, New York.

KOPPEL, ARTHUR CO. 905
Machesney bldg, Pittsburg, Pa. Branch Offices: Monadnock blk, Chicago, Ill.; Chronicle bldg, San Francisco, Cal.; Cortlandt bldg, New York, & 53 Oliver, Boston, Mass. Works: Koppel, Pa.

KOVEN, L. O. & BRO. 1095
50 Cliff, New York. Works: Jersey City, N. J.

KRATZER, W. N. & CO. 1061
3218 Smallman, Pittsburg, Pa.

KREISCHER BRICK MFG. CO. 110
119 E 23d, New York. Works: Kreischerville, S. I., N. Y.

KUTZTOWN FOUNDRY & MACHINE CO. 78
116 N Broad, Phila., Pa., & Kutztown, Pa.

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LAIDLAW-DUNN-GORDON CO. ..... Opp. Index of Contents & Outside Stencil
115 B'way, New York. Works: Cincinnati, O. Branches: 42 Batterymarch, Boston, Mass.; Equitable bldg, Atlanta, Ga.; New England bldg, Cleveland, O.; Old Colony bldg, Chicago, Ill.; Scarritt bldg, Kansas City, Mo.; 724 Arch, Phila., Pa.; 533 Baronne, New Orleans, La.; 211 W 4th, Cincinnati, O.; Chemical bldg, St. Louis, Mo.; 150 1st, San Francisco, Cal.; Machesney bldg, Pittsburg, Pa.; 508 Virginia av, Joplin, Mo.; Majestic bldg Detroit, Mich.; 898 Ellicott sq., Buffalo, N. Y.; Alaska bldg, Seattle, Wash.

LAMBERT HOISTING ENGINE CO. ..See Front Adv. Pages 115-121 Poinier, Newark, N. J. Branch Offices: 30 Church, New York; 117 Main, Cambridge, Boston, Mass.; 1715-1717 Market, Phila., Pa.; Lacock & Sandusky, Allegheny, Pa.; 715-717 N 2d, St. Louis, Mo.; Old Colony bldg, Chicago, Ill.; Stuart & Folsom, San Francisco, Cal.; 229 S Howard, Baltimore, Md.; Empire bldg, Atlanta, Ga.; Mutual Life bldg, Seattle, Wash., & 722 Gravier, New Orleans, La.

LAWRENCEVILLE BRONZE CO. 191
31st & Penn av, Pittsburg, Pa.

LEAVITT, C. W. & CO. 420
30 Church, New York.

LANDON, E. R. IRON & WIRE WORKS. 546
18 N May, Chicago, Ill.

LEOPOLD, J. & CO. 482
18 B'way, New York.

LIDGERWOOD MFG. CO. ..... See Adv. First Page of Book, 96 Liberty, New York; Old Colony bldg, Chicago, Ill.; Boston, Mass.; Pittsburg, Pa.; St. Louis, Mo.; Denver, Colo.; Phila., Pa.; Seattle, Wash.; Atlanta, Ga.; Cleveland, O.; St. Paul, Minn., New Orleans, La.

LITTLE, J. R. METAL WHEEL CO. 1188
Quincy, Ill.

LOOMIS-MANNING FILTER CO. 426
828 Land Title bldg, Phila., Pa. Branch Offices: Calvert bldg, Baltimore, Md.; Exchange bldg, Boston, Mass.; Metropolitan Life bldg Tower, 1 Madison av, New York; Ellicott Square bldg, Buffalo, N. Y.; Colorado bldg, Washington, D. C., & Marquette bldg, Chicago, Ill.

LUDOWICI-CELADON Co. 968
509 Chamber of Commerce, Chicago, Ill.; 515 Cuyhoga bldg, Clevleand, O.; 156 5th av, New York; 322 Hibernia Bank bldg, New Orleans, La.; 605 Union Trust bldg, Washington, D. C.; 807 Dwight bldg, Kansas City, Mo., & 710 Candler bldg, Atlanta, Ga. Works: Alfred, N. Y.; New Lexington, O.; Chicago Heights, Ill.; Ludowici, Ga., & Coffeyville, Kan.

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General Offices & Works: Cincinnati, O. Branch Offices: 66-68 Fulton, New York; Lake & Dearborn, Chicago, Ill.; 1006 Call bldg, San Francisco, Cal.; 112 High, Boston, Mass.; Tuane-Newcomb bldg, New Orleans, La.; 508 Finance bldg, Kansas City, Mo.; 35 Great Dover, S. E., London, England; A. Asher Smith, 56 Market, Sydney, Australia, & A. Pargiter & Co., Johannesburg, South Africa.

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McCABE HANGER MFG. CO..... 310
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McCOY, HENRY J. CO..... 179
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McFARLAND, J. O. & CO..... 1196
27th & 5th av, Chicago, Ill. Branch Office: 213-215 E 44th, New York
McINNES STEEL CO. (Ltd.).....1054 & 1055
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McLEAN, JOHN.....1023
162 W 27th, New York.
McMANN & TAYLOR.....847 & 1161
104 John, New York
McRAE & ROBERTS CO.....861
227 Campbell av, Detroit, Mich.
MacKINNON BOILER & MACHINE CO..... 81
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MACLEOD, WALTER & CO.....1183
213 E Pearl, Cincinnati, O.
MACOMBER & WHYTE ROPE CO.....1202
266 S Clinton, Chicago, Ill. Branch Offices: 126 Centre, New York; Times bldg, Pittsburg, Pa.; Colman Dock, Seattle, Wash.; 235 Pine, Portland, Ore., & 830 Natches, New Orleans, La.
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MARINE ENGNE & MACHINE CO..... 360
230 W 13th, New York, & Marquette bldg, Chicago, Ill. Works: Harrison, N. J.
MARYLAND EQUIPMENT & SUPPLY CO..180, 280 & 904
Calvert & Fayette, Baltimore, Md.
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MEAD-MORRISON MFG. CO.....See Front Adv. Pages
Cambridge (Boston), Mass. Branch Offices: 11 B'way, New York; Equitable bldg, Baltimore, Md.; Machesney bldg, Pittsburg, Pa.; 112 N Broad, Phila., Pa.; Monadnock blk, Chicago, Ill.; Birmingham, Ala.; 110 N Peters, New Orleans, La.; Atlas bldg, San Francisco, Cal., & 286 St. James, Montreal, Canada.
MECHANICAL APPLIANCE CO.....417 & 798
Milwaukee, Wis., & 50 Church, New York.
MERCHANT & EVANS CO. (Inc.).....1128 & 1129
517 Arch, Phila., Pa. Branch Offices: 242 Water, New York; 118 Sheldon, Chicago, Ill.; 584 Flushing av, Brooklyn, N. Y.; 2008 Baltimore, av, Kansas City, Mo., & 232 St. Paul, Baltimore, Md.
MERRILL BROS.....1153 & 1173
William st, Maspeth (Borough of Queens), N. Y.
MERRITT & CO..... 593
94 Arch, Camden, N. J.
MEYERS, FRED'K J. MFG. CO..... 554
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MEYERS, WILLARD F..... 994
342 Vernon av, Long Island City, N. Y.
MICHELMANN STEEL CONSTRUCTION CO..... 1059
Quincy, Ill.
MICHIGAN WIRE CLOTH CO.....1198
Detroit, Mich.
MILWAUKEE ARTISTIC METAL CEILING CO..... 971
S Bay & Aldrich, Milwaukee, Wis., & 927 W 8th, Kansas City, Mo.
MILWAUKEE CORRUGATING CO..... 971
S Bay & Aldrich, Milwaukee, Wis., & 927 W 8th, Kansas City, Mo.
MINNEAPOLIS STEEL & MACHINERY CO..... 1061
Minneapolis, Minn. Agencies-Structural Dept: E. Bisbee, 313 Mining Exchange, Denver, Col.; H. A. Patch, 313 E. P. & S. W. bldg, El Paso, Texas; J. E. Lanning, 352 Phoenix bldg, Butte, Mont.; T. A. Beyer, 824 Dooly Block, Salt Lake City, Utah; C. Berry, 716 Chronicle bldg, San Francisco, Cal.; R. E. Marvin, 338 Globe bldg, Seattle, Wash.; Thomson & Stewart, 226 W

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Michigan, Duluth, Minn.; Hamilton & Chambers, 29 B'way, New York. Mechanical Dept: J. A. Gerwin, 226 W Michigan, Duluth, Minn.; E. G. Struckman, 1012 Farnam, Omaha, Neb.; J. P. Greenwood, 147 S Akard, Dallas, Texas; F. J. Rose, 1 Corn Exchange, Minneapolis, Minn.; Gas Power Mfg. Co., 106 Jackson, Seattle, Wash.; M. O'R. Jarvis, 8 Empress blk, Winnipeg, Man.; Washburn & Granger, 120 Liberty, New York; P-K Engraving Co., 308 S 8th, St. Louis, Mo.; Turner & Norton, 414 Murray bldg, Grand Rapids, Mich.; International Machinery & Engraving Co., Edificio de la Mutua, Mexico, D. F., Mex.; Giddings & Lewis Fon du Lac, Wis.; Kalispell Iron Works, Kalispell, Mont.; Barnard & Leas, Moline, Ill.; B. A. Hansen & Co., Wellington, New Zealand; McKeel-Richardson Hardware Co., Washington, N. C.; Wm. P. Luck, New Orleans, La.; W. H. Oliver & Co., Toronto, Canada; Darnell & Schafer, Havana, Cuba; Walter B. Gump, Los Angeles, Cal.; D. R. Shearer, Lenoir, N. C.; Henry Perriman, Auburn, Victoria, Australia; M. E. Rozelle, Chambersburg, Pa.; F. W. Niebling Co., Cincinnati, O.; H. F. Dencher, Brusselles, Belgium, & D. D. Pendleton, Frick bldg, Annex, Pittsburg, Pa.

MISSISSIPPI GLASS CO..... 474
115 B'way, New York. Branch Offices. Main & Angelica, St. Louis, Mo., & 72 E Madison, Chicago, Ill.
MISSISSIPPI WIRE GLASS CO.....470 & 471
115 B'way, New York. Branch Offices: Main & Angelica, St. Louis, Mo., & 72 E Madison, Chicago, Ill.
MONARCH VALVE & MFG. CO.....1189
Warren, Mass.
MONIGHAN MACHINE CO.....See Front Adv. Pages
813 Carroll av, Chicago, Ill.
MORE LIGHT SIDEWALK CONSTRUCTION CO.... 1171
29th st., Wheeling, W. Va.
MORGAN ENGINEERING CO.....894 & 895
Alliance, O. Branches: 165 B'way, New York; 755 Railway Exchange, Chicago, Ill.; 1114 Frick bldg, Pittsburg, Pa., & Woodward bldg, Birmingham, Ala.
MORRILL, CHAS.....66, 880 & 902
277 B'way, New York.
MORRIS MACHINE WORKS..... 887
Baldwinsville, N. Y. Branch Offices: 39 Cortlandt, New York; 61 N Jefferson, Chicago, Ill.; Houston, Texas, & Charlotte, N. C.
MORSE CHAIN CO..... 209
Ithaca, N. Y. Branch Office: 50 Church, New York.
MORSE, FRANK W.....3, 314, 434 & 491
516 Atlantic av, Boston, Mass.
MORSE THERMO GAGE CO..... 989
Ithaca, N. Y.
MORSE TWIST DRILL & MACHINE CO.....226, 228, 906 & 1202
New Bedford, Mass.
MULLINS, W. H. CO.....1017 & 1195
Salem, O.
MUNDY, J. S.....See Front Adv. Pages
22-34 Prospect, Newark, N. J. Branch Offices: 39 Cortlandt, New York; Market & Randolph, Chicago, Ill.; 1744 Market, Phila., Pa.; 235 Water, Pittsburg, Pa.; 224 Water, Norfolk, Va.; 210 Wash'n av, St Louis, Mo.; 203 W Pearl, Cincinnati, O.; 758 Freemont, San Francisco, Cal.; 29 1st, Portland, Ore.; 217 Occidental av, Seattle, Wash.; 809 Meeting, Charleston, S. C.; 213 E Cary, Richmond, Va.; Willow & Wood, Houston, Tex.; 140 Pearl, Boston, Mass.; 1023 Garfield bldg, Cleveland, O.; 28 Light, Baltimore, Md.; F. H. Hopkins & Co., Montreal, Quebec, Canada; 160 N Commerce, Mobile, Ala.; 415 Pioneer Press bldg, St. Paul, Minn., & 118 Hollis, Halifax, Nova Scotia.
MURCHEY MACHINE & TOOL CO.....884
52 Porter cor. 4th av, Detroit, Mich. Agents: Strong, Carlisle & Hammond Co., Cleveland, O., & Hill, Clark & Co., 136 Cedar, New York.
MYCENIAN MARBLE CO..... 228
524 W 34th, New York.

N

NATIONAL-ACME MFG. CO..... 490
75 Stanton av, S. E., Cleveland, O. Branch Offices & Warehouses: 56 W Washington, Chicago, Ill.; 77 White, New York; 141 Milk, Boston, Mass., & Empire bldg, Atlanta, Ga.
NATIONAL CONTRACTOR & BUILDER.....See Last
301 N Charles, Baltimore, Md. Page of Book

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NATIONAL FIRE PROOFING CO..... 480
Pittsburgh, Pa. Branch Offices: Flat Iron bldg, New York; Commercial Nat'l Bank bldg, Chicago, Ill.; Old South bldg, Boston, Mass.; Colorado bldg, Washington, D. C.; Land Title bldg, Phila., Pa.; Lumber Exchange, Minneapolis, Minn.; Monadnock blk, San Francisco, Cal.; 511 Union Trust bldg, Los Angeles, Cal.; Bank of Commerce bldg, St. Louis, Mo.; Cuyahoga bldg, Cleveland, O.; Union Trust bldg, Cincinnati, O.; Traders' Bank bldg, Toronto, Canada, & 27 Chancery Lane, London, England.

NATIONAL GAUGE CO..... 462
168 8th, Brooklyn, N. Y.

NATIONAL HOISTING ENGINE CO..See Front Adv. Pages
Harrison, N. J. Selling Agents: Contractors' Machinery & Supply Co., Steuben & Carson, Pittsburg, Pa., & Carpenter, Geo. B. & Co., 202 S Water, Chicago, Ill.

NATIONAL SHEET METAL ROOFING CO..... 1018
339 Grand, Jersey City, N. J.

NAUMANN MFG. COMPANY..... 541
Stamford, Conn., & 28 City Hall pl., New York.

NESTOR MFG. CO. (Inc.)..... 790
40 W 13th, New York.

NEVIN, T. H. CO.....823 & 1191
North Side, Pittsburg, Pa.

NEW ENGLAND GRANITE WORKS.....482 & 483
Westerly, R. I. Branch Offices: Concord, N. H., & 489 5th av, New York.

NEW JERSEY TERRA COTTA CO.....1106
108 Fulton, New York. Agents: Fiske & Co., 161 Devonshire, Boston, Mass., & S. B. Dobbs, 1218 Chestnut, Phila., Pa.

NEW YORK CONTINENTAL JEWEL FILTRATION CO..... 424
15 Broad, New York. Branch Office: 167 Dearborn, Chicago, Ill.

NEW YORK METAL CEILING CO..... 208
533-541 W 24th, New York.

NEW YORK PRISM CO..... 475
497 W B'way, New York.

NIAGARA FALLS METAL STAMPING WORKS..... 208
Niagara Falls, N. Y.

NIAGARA HANDLE & FERRULE CO..... 496
321 N Holliday, Baltimore, Md.

NIAGARA MACHINE & TOOL WORKS..... 666
Buffalo, N. Y.

NON-STAINING CEMENT CO..... 204
156 5th av, New York.

NORTH AMERICAN METALINE CO..... 773
4 West av, Long Island City, N. Y.

NORTHERN ENGINEERING WORKS.....283, 291 & 527
9 Cheue, Detroit, Mich.; 120 Liberty, New York, & 539 Monadnock blk, Chicago, Ill.

NORTHWESTERN COMPO-BOARD CO..... 226
Minneapolis, Minn.

NORTHWESTERN TERRA COTTA CO.....1106
Main Office & Works: 1000 Clybourn av, & Branch Office: 1415 Railway Exchange, Chicago, Ill.

NORWALK IRON WORKS..... 228
South Norwalk, Conn.

NUTTALL, R. D. CO.....280 & 465
Fayette & Garrison pl, Pittsburg, Pa.

O

OHIO MALLEABLE IRON CO..... 197
Columbus, O.

OIL WELL SUPPLY CO..... 804
215 Water, Pittsburg, Pa.

OKONITE CO..... 1200
253 B'way, New York.

OLIVER TYPEWRITER CO..... 1155
310 B'way, New York.

ONEIDA COMMUNITY, (Ltd.).....211
Oneida, N. Y. Branch Office: Niagara Falls, N. Y. Branch Sales Offices: 395 B'way, New York; 131 Wabash av, Chicago, Ill.; 1104 Floyd av, Richmond, Va.; Century Bank bldg, Atlanta, Ga., & 717 Market, San Francisco, Cal.

OSBORN MFG. CO..... 442
5401 Hamilton av, N. E., Cleveland, O., & (Rice Plant), New Durham, N. H.

OSGOOD SCALE CO.....906 & 907
Binghamton, N. Y.; 74 Murray, New York, & 162 E Lake, Chicago, Ill.

OTIS ELEVATOR CO.....359 & Outside Bottom Stencil
17 Battery pl, New York; S. W. cor. 12th & Sansom, Phila., Pa.; 9 Jackson boul, Chicago, Ill.; Rockefeller bldg, Cleveland, O.; Stockton, N Point & Beach, San Francisco, Cal.; Metropolitan Bank bldg, Washington, D. C.; 84½ Marietta, Atlanta, Ga.; Godchaux bldg, New Orleans, La.; Equitable bldg, Baltimore, Md.; Penobscot bldg, Detroit, Mich.; Security bldg, St. Louis, Mo.; Commercial & Frank, Rochester, N. Y.; Yonkers, N. Y.; Mercantile Library bldg, Cincinnati, O.; Keenan bldg, Pittsburg, Pa.; 58 State, Boston, Mass.; Chicago & Granger, Buffalo, N. Y.; German st., Houston, Texas; 20 Beaver, Albany, N. Y.; Brown-Marx bldg, Birmingham, Ala.; Morse-Williams Dept., 109 Pearl, Boston, Mass.; 12 S Wall, Columbus, O.; Wilson bldg, Dallas, Texas; Opera House blk, Denver, Col.; 201-5 W Grand av, Des Moines, Ia.; 76 Island, Grand Rapids, Mich.; 9 Haynes, Hartford, Conn.; Indiana Pythian bldg, Indianapolis, Ind.; Buckman bldg, Jacksonville, Fla.; R. A. Long bldg, Kansas City, Mo.; 218 E 4th Los Angeles, Cal.; Lincoln Nat'l Bank bldg, Louisville, Ky.; Goodwyn, Inst. 3d st., & Madison av, Memphis, Tenn.; 144 W Water, Milwaukee, Wis.; Security Bank bldg, Minneapolis, Minn.; 269 St. Michaels, Mobile, Ala.; 17th st & 1st av, Moline, Ill.; 776 Broad, Newark, N. J.; Morse-Williams Dept.; 106 & 108 Liberty, New York; Board of Trade bldg, Norfolk, Va.; 420 Bassett bldg, Oklahoma City, Okla.; 1st Nat'l Bank bldg, Omaha, Neb.; 88 1st, Portland, Ore.; 12 S 10th, Richmond, Va.; Endicott blk, St. Paul, Minn.; Judge bldg, Salt Lake City, Utah; Walker bldg, Seattle, Wash.; Firnwell bldg, Spokane, Wash.; 70 Wilbraham Road, Springfield, Mass.; 304-12 Pearl, Syracuse, N. Y.; Produce Exchange, Toledo, O.; 19 Arcade bldg, Utica, N. Y. & Central Exchange bldg, Worcester, Mass.

P

PACIFIC BUILDER & ENGINEER.....See Adv. Opp. Last Page of Adv. Index, End of Book
Pacific blk, Seattle, Wash.

PAGE-STORMS DROP FORGE CO.....439 & 1207
Chicopee, Mass.

PATTISON, W. M. SUPPLY CO..... 904
197 St. Clair av, Cleveland, O.

PECORA PAINT CO. (S. Bowen's Son, Successor).... 206
4th st & Reading R. R., Phila., Pa.

PENNA. MARBLE & GRANITE CO.....479 & 755
Penna. bldg, Phila., Pa.

PENNSYLVANIA RUBBER CO.....536, 975 & 1181
Jeannette, Pa. Branch Offices: 1741 B'way, New York; 1241 Michigan av, Chicago, Ill.; 167 Oliver, Boston, Mass., & 512 Mission, San Francisco, Cal.

PENNSYLVANIA STEEL PULLEY CO..... 862
North Side, Pittsburg, Pa.

PETERSBURG GRANITE CO..... 481
Main Office: 3 E Lexington, Baltimore, Md.,& Dinwiddie, Va.

PETROLEUM IRON WORKS CO..... 1096
Sharon, Pa. Branch Offices: Farmers Bank bldg, Pittsburg, Pa., & Houston, Tex.

PFAFF & KENDALL.....235 & 847
Ferry & Foundry, Newark, N. J.

PHILADELPHIA MACHINE SCREW WORKS..... 1005
Race & Sheridan, Phila., Pa.

PHOENIX ELECTRIC CO..... 795
Mansfield, O.

PHOENIX SPECIALTY MFG. CO..... 457
48 Duane, New York.

PHOENIX STEEL CO (Inc.)..... 553
East Liberty, Pittsburg, Pa.

PICTON ISLAND RED GRANITE CO..... 482
320 5th av, New York. Quarries at Picton Island, St. Lawrence River, N. Y.

PITT, WM. B. COMPOSITE IRON WORKS..... 550
136 W 24th, New York.

PITTSBURGH GAGE & SUPPLY CO..... 1161
30th & Liberty av, Pittsburgh, Pa.

PITTSBURGH RIVET CO.....85 & 550
38th & Junction R. R., Pittsburgh, Pa.

PITTSBURGH VALVE, FOUNDRY & CONSTRUCTION CO.....1162
Pittsburgh, Pa. Branch Offices: 30 Church, New York, & Boston, Mass.

PLATT IRON WORKS CO..... 891
Dayton, O. Branch Offices: 100 B'way, New York; E. A. Sammons Co. (Ltd.), New Orleans, La.; 413 Continental bldg, Baltimore, Md.; 101 High, Boston, Mass.; Power Equipment Co., Minneapolis, Minn.; Hendrie & Bolthoff Mfg. & Supply Co., Denver, Col.; New England, bldg, Pittsburg, Pa.; 311 Dearborn, Chicago, Ill.; Pacific Coast Mfg. Co., 126 S Los Angeles, Los Angeles, Cal.; Philadelphia, Pa.; Atlanta, Ga.; E. J. Merkle, Scarritt bldg, Kansas City, Mo.; San Francisco, Cal.; Salt Lake Hardware Co., Salt Lake City, Utah; Briggs-Weaver Co., Dallas, Texas; United Iron Works, Spokane, Wash., & 46 Queen Victoria st, London, E. C., England.

PRENTISS TOOL & SUPPLY CO..... 681
115 Liberty, New York; 145 Oliver, Boston, Mass.; 607 D. S. Morgan bldg, Buffalo, N. Y., & 520 University blk, Syracuse, N. Y.

PRESSED STEEL TANK CO..... 1097
Milwaukee, Wis.

PRUDEN, C. D. CO.....1195
Warner, Bayard & Dock, Baltimore, Md

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QUEEN & CO. (Inc.) ..... Page 85
N. W. cor. 8th & Arch. Phila., Pa.
QURIDE CO. ..... 172 & 465
Syracuse, N. Y.

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RALSTON STEEL CAR CO. 182
Columbus, O. Branch Offices: Fisher bldg, Chicago, Ill., & 2 Rector, New York.
RANSOME CONCRETE MACHINERY CO. 241
Dunellen, N. J. Branch Offices: 11 & 1133 B'way, New York; Monadnock blk, Chicago, Ill.; Metropolis Bank bldg, San Francisco, Cal.; Commonwealth bldg, Phila., Pa.; Imperial Bank Chambers, Montreal, Canada; Candler bldg, Atlanta, Ga.; 6 Beacon, Boston, Mass.; 1151 Liberty av, Pittsburg, Pa.; 1114 10th av, Altoona, Pa.; Chemical bldg, St. Louis, Mo.; 17th & Blake, Denver, Col.; Century bldg, St. Louis, Mo.; Bailey bldg, Seattle, Wash.; 121 W 2d South, Salt Lake City, Utah, & Avenida Juarez Nos. 6 & 8 (P. O. Box 447), Mexico City, Mex.
RAPID ADDRESSING MACHINE CO. 2
374-378 B'way, New York.
RAPP, JNO. W. CO. 310
General Office & Works: College Point, N. Y. Sales Office: 4 Madison av, New York.
READING CRANE & HOIST WORKS. 285
Reading, Pa.
REEDY, H. J. CO. 360
15 W 2d, Cincinnati, O.
REEVES BROS. CO. ..... 215, 566, 1091 & 1099
Alliance, O. Branch Offices: 632 Frick bldg, Pittsburg, Pa.; Bartlesville, Okla., & 141 B'way, New York.
REMPPIS, WM. F. CO. 551
Reading, Pa. Branch Office: 1506 Sansom, Phila., Pa.
RIESECK, P. ..... 427, 490, 558 & 1061
Allegheny av & Rebecca, Allegheny, Pa.
RINALD BROS. 824
1142 N Hancock, Phila., Pa.
ROCKPORT GRANITE CO. 480
Rockport, Mass. Branch Offices: 31 State, Boston, Mass., & 21 Park row, New York.
RODEFER, T. A. 476
Belmire, O.
ROEBLING CONSTRUCTION CO. 481
Fuller bldg, B'way & 23d, New York. Branch Offices: Land Title bldg, Phila., Pa.; Erie County Bank bldg, Buffalo, N. Y.; Stock Exchange bldg, Chicago, Ill.; Crocker bldg, San Francisco, Cal., & 101 Tremont, Boston, Mass.
ROGERS, H. A. CO. 460
19 John, New York.
ROLLED STEEL LINK BELT & CONVEYOR CO. 283
150 B'way, New York.
ROLLING STEEL SHUTTER WORKS (John McLean). 1023
162 W 27th, New York.
ROSSENDALE-REDDAWAY BELTING & HOSE CO. .. 62
Newark, N. J.
BUCKERT, L. 366
Merchants' Laclede bldg, St. Louis, Mo.
RUGGLES-COLES ENGINEERING CO. 323
39 Cortlandt, New York.
RUSSEL WHEEL & FOUNDRY CO. 177
Detroit, Mich.
RUTLAND FIRE CLAY CO. 852
Rutland, Vt. Branch Offices: 223 W 12th, Chicago, Ill., & 141 Milk, Boston, Mass.

S

ST. PAUL FOUNDRY CO. 1060
Como av & Mackubin, St. Paul, Minn.
SAMSON CORDAGE WORKS. 980
88 Broad, Boston, Mass.
SAYEN, OSGOOD 816
518 Arcade bldg, Phila., Pa. Warerooms: 131 Market, Phila., Pa. Works: Newton, N. J.
SAYRE & FISHER CO. ..... See Front Inside Cover
261 B'way, New York. Works: Sayreville, N. J.
SCAIFE, WM. B. & SONS CO. ..... 424, 1060 & 1097
221 1st av, Pittsburg, Pa.
SCHILLING, FRANK H. 481
614 Hale bldg, Phila., Pa.
SCHREIBER, L. & SONS CO. 554
8th & Eggleston av, Cincinnati, O. Branch Offices: 1133 B'way, New York; San Francisco, Cal.; Denver, Col.; Washington, D. C.; Atlanta, Ga.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Pittsburg, Pa.; Fort Worth, Texas, & Richmond, Va.
SCHULE, F. H. CO. 995
27 Thames, New York.
SCHULER-MUELLER CO. 475
250 E Kinzie, Chicago, Ill.
SEDGWICK MACHINE WORKS. ..... 325 & 361
Poughkeepsie, N. Y., & 128 Liberty, New York.
SEIFERT, FRANK A. PLASTIC RELIEF CO. ..... Page 309
2621-2627 Dayton, St. Louis, Mo.
SHARON STEEL HOOP CO. 852
Sharon, Pa.; Commercial Nat'l Bank bldg, Chicago, Ill., & Fuller Bros. & Co., 139 Greenwich, New York.
SHAW, BENJ. F. CO. 848
Wilmington, Del.
SHAW, WILLIS CO. ..... 260, 594 & 679
171 La Salle, Chicago, Ill.
SHUSTER, F. B. CO. 675
New Haven, Conn.
SILVER LAKE CO. 980
78 Chauncy, Boston, Mass.
SIMMONS, JOHN CO. 1163
110 Centre, New York.
SMART, A. J. MFG. CO. 1101
Greenfield, Mass.
SMITH, F. P. WIRE & IRON WORKS. 547
100 Lake, Chicago, Ill.
SMITH, J. D. FOUNDRY SUPPLY CO. 443
1846 Scranton rd, N. W., Cleveland, O.
SMITH, T. L. CO., THE 240
Majestic bldg, Milwaukee, Wis. Branch Offices: Old Colony bldg, Chicago, Ill.; 170 B'way, New York; 204 Ferguson bldg, Pittsburg, Pa.; 621 Victoria bldg, St. Louis, Mo.; Pioneer Press bldg, St. Paul, Minn.; 219 Spear, San Francisco, Cal.; 1229 Candler bldg, Atlanta, Ga.; 229 S Howard, Baltimore, Md.; 1122 Land Title bldg, Phila., Pa.; 140 Pearl, Boston, Mass.; Harrison bldg, Columbus, O.; 804 Walnut, Kansas City, Mo., & 205 W Pearl, Cincinnati, O.
SMOOTH-ON MFG. CO. 206
572 Communipaw av, Jersey City, N. J.; 61 N Jefferson, Chicago, Ill., & 94 Market, San Francisco, Cal.
SNEAD & CO. IRON WORKS. 549
Foot of Pine, Jersey City, N. J.
SNOW STEAM PUMP WORKS. ..... Opp. First Page of Index of Contents
115 B'way, New York. Works: Buffalo, N. Y. Branches: 42 Batterymarch, Boston, Mass.; Equitable bldg, Atlanta, Ga.; New England bldg, Cleveland, O.; Old Colony bldg, Chicago, Ill.; Scarritt bldg, Kansas City, Mo.; 724 Arch, Phila., Pa.; 533 Baronne, New Orleans, La.; 211 W 4th, Cincinnati, O.; Chemical bldg, St. Louis, Mo.; 150 1st, San Francisco, Cal.; Machesney bldg, Pittsburg, Pa.; 506 Virginia av, Joplin, Mo.; Majestic bldg, Detroit, Mich.; 806 Ellicott sq., Buffalo, N. Y.; Alaska bldg, Seattle, Wash.
SOLTMANN, E. G. ..... 35, 68, 69, 76, 314, 366 & 1064
125 E 42d, New York.
SOMMERVILLE IRON & BRONZE CO. 547
5637-5649 Butler, Pittsburg, Pa.
SOUTH AMBOY TERRA COTTA CO. 1107
Spruce & Nassau, New York. Works: South Amboy, N. J.
SPEIDEL, JOHN G. 528
Reading, Pa.
SPRAGUE CANNING MACHINERY CO. 627
5 Wabash av, Chicago, Ill.
SPRINGFIELD FACING CO. 445
Springfield, Mass.
SPROUT, WALDRON & CO. 784
140 Canal, Muncy, Pa. Foreign Dept., 24 State, New York.
STANDARD CO. 553
Railway Exchange bldg, Chicago, Ill.
STANDARD GAUGE STEEL CO. 565
Beaver Falls, Pa.
STANLEY WORKS. 522
New Britain, Conn. Branch Offices: 79 Chambers, New York, & 15 Lake, Chicago, Ill.
STAR EXPANSION BOLT CO. 88
147 Cedar, New York, & 142 Lake, Chicago, Ill.
STARK TOOL CO. 578
Waltham, Mass.
STARRETT, L. S. CO. 991
Athol, Mass. Branch Offices: 132 Liberty, New York; 18 West Randolph, Chicago, Ill., & 36 Upper Thames st., E. C., London, Eng.
STEARNS, A. T. LUMBER CO. 607
Neponset, Boston, Mass.
STEIN, HENRY 861
48 Cliff, New York.
STEWARD & ROMAINE MFG. CO. 88
124 N 6th, Phila., Pa.
"STONE" ..... See Last Inside Cover
123 Liberty, New York.
STORM MFG. CO. 325
40-50 Vesey, Newark, N. J.; 113 Chambers, New York; 84 Merchants' Row, Boston, Mass.; 87 Orange, New Haven, Conn., & 118 Halborn, E. C., London, Eng.
STRONG, CARLISLE & HAMMOND CO. 681
336-344 Frankfort av, N. W., Cleveland, O.
STRONG COTTON WASTE & MFG. CO. 1181
48 Franklin, New York.

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STROUD, E. H. & CO..... 786
36 La Salle, Chicago, Ill.

SUN MANUFACTURING CO..... 1028
Columbus, O.

SUPERIOR CORUNDUM WHEEL CO..... 362
Waltham, Mass.

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TABLET & TICKET CO..... 13
70-86 W Jackson boul, Chicago, Ill. Branch Offices: 381 B'way, New York, & 832 Market, San Francisco, Cal.

TABOR SASH CO..... 1194
69 Polk, Newark, N. J., & branch offices in all large cities.

TAFE, JONES & CO..... 446
Empire bldg, Pittsburg, Pa.

TAYLOR, JAMES L. MFG. CO..... 218
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TAYLOR & DEAN..... 553
Penn av & 25th, Pittsburg, Pa.

THOMAS & SMITH (Inc.)..... 887
17 S Carpenter, Chicago, Ill., & 288 Hudson, New York.

THOMSON WOOD FINISHING CO., THE..... 822
115 N 4th, Phila., Pa.

THORP FIRE PROOF DOOR CO..... 312
1600-1610 Central av, Minneapolis, Minn. Branch Offices: Lombard & Tracy Co., Boston, Mass.; Manufacturers' Agency, Buffalo, N. Y.; J. H. Corning, 520 W. 13th, Washington, D. C.; H. D. Cushman Co., Cleveland, O.; R. L. Watson, Bronson bldg, Columbus, O.; Wm. H. Gels & Co., Cincinnati, O.; Owen Tyler, Tyler bldg, Louisville, Ky.; Hunkins-Willis Lime & Cement Co., St. Louis, Mo.; Wm. S. Burton, 118 S 2d W, Salt Lake City, Utah; S. W. R. Dally, Hutton bldg, Spokane, Wash.; S. W. R Dally, Providence bldg, Tacoma, Wash.; Waterhouse & Price Co., San Francisco, Cal.; Waterhouse & Price Co., Los Angeles, Cal.; Waterhouse & Price Co., Oakland, Cal.; Waterhouse & Price Co., Portland, Ore.; Sunderland Bros., Omaha, Neb.; Thompson & Stewart, Duluth, Minn.; Builders' Supply Co., Denver, Colo.; Lawson Mfg. & Supply Co., Chattanooga, Tenn., James J. Flood, 10 Griswold, Detroit, Mich.; Hanson Builders' Supply Co., Oklahoma City, Okla.; Louis G. Hester, 317½ Main, Houston, Tex.; Deaderick-King Mfg. Co., Memphis, Tenn.; Frank Kessing, Law bldg, Indianapolis, Ind.; A. R. Lewis, 214 N 20th, Birmingham, Ala.; E. T. Kirkpatrick & Co., Nashville, Tenn.; Crescent City Supply Co., New Orleans, La.; Fred'k H. McDonald, 916 The Gilbert, Grand Rapids, Mich.; Builders' Supply Co., Dallas, Tex.; Builders' Supply Co., Boise, Ida.; N. J. DeGraff, 7 Myers Arcade, Schenectady, N. Y.; Builders' Material Supply Co., Kansas City, Mo.; L. C. Dorgan & Co., Mobile, Ala.; J. P. Weyant, Builders Exchange, Toledo, O.; M. Dering, Woolner bldg, Peoria, Ill.; W. H. Chapman & Sons, Wheeling, W. Va.; Neal-Blun Co., Savannah, Ga.; Dudley E. Jones & Co., Little Rock, Ark.; J. L. Hudson & Co., Springfield, Ill.; Fort Worth Builders' Supply Co., Fort Worth, Tex.; E. H. Renisch, 110 N Wyoming, Butte, Mont.; Wainwright, Jackson & Co., Norfolk, Va.; Foote & Becker, Scranton, Pa.; Wood Glass Co., Syracuse, N. Y.; Baker & Holmes Co., Jacksonville, Fla.; John M. Hering, Builders' Exchange, Baltimore, Md.; Hargreaves & Co., Topeka, Kan.; Ross, E. Stewart, 1010 Monadnock blk, Chicago, Ill.; Richmond Pattern & Structural Co., Richmond, Va.; V. H. Kriegshaber, Atlanta, Ga.; L. H. Taylor, 22 Miller bldg, Milwaukee, Wis.; Eadie-Douglas Co., Montreal, Quebec; C. S. Rutter, Hale bldg, Phila., Pa.; G. A. Coats, Union B'k bldg, Pittsburg, Pa.; S. W. R. Dally, Colman bldg, Seattle, Wash.; Roy G. Owens, P. O. Box 645 San Antonia, Tex.; Eadie-Douglas Co., Toronto, Ont.; Wm. N. O'Neil & Co., Vancouver, B. C.

TICKET & TABLET CO..... 13
70-86 W Jackson boul, Chicago, Ill. Branch Offices: 381 B'way, New York, & 832 Market, San Francisco, Cal.

TRAVELERS' INDEMNITY CO..... 544
Hartford, Conn., & 1 Madison av, New York.

TRENTON IRON CO..... 1203
Trenton, N. J., & 30 Church, New York.

TROY WAGON WORKS CO..... 1176
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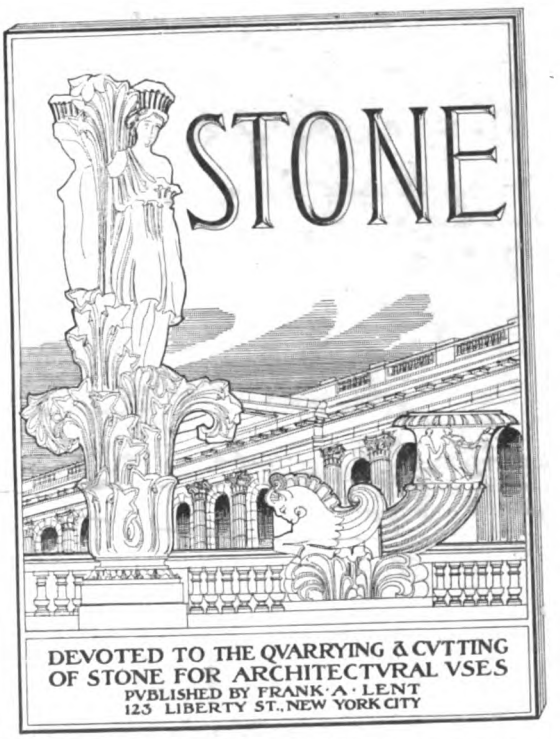
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